

Roof Top Units

BR Series



Magic Aire BR Series fan coils are ETL listed in accordance with UL 1995 and are assembled to order for competitive delivery.

Form: BR 1.1

Magic Aire®





Magic Aire®

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HVAC Guide Specifications

Belt Drive Rooftop Air Handling Unit HVAC Guide Specifications

Size Range: 800 to 8000 Nominal CFM
Model BRD

Part 1 — General

1.01 SYSTEM DESCRIPTION

Roof or pad mounted, Belt Drive air handling unit, 2-pipe or 4-pipe (or electric heat as available), with polyester baked-on powder coating finish, suitable for outdoor installation.

1.02 QUALITY ASSURANCE

Unit shall be tested in accordance with AHRI Standard 440 and ETL listed to US and Canadian safety standards. Each coil shall be factory tested for leakage at 600 psig air pressure with coil submerged in water. Insulation and adhesive shall meet NFPA-90A requirements for flame spread and smoke generation. All equipment wiring shall comply with NEC requirements.

1.03 DELIVERY, STORAGE AND HANDLING

Each unit shall be individually packaged from point of manufacture. Unit shall be handled and stored in accordance with the manufacturer's instructions.

Part 2 — Product

2.01 EQUIPMENT

A. General

Factory-assembled, horizontal, draw-thru type air handling unit suitable for rooftop or pad mounted outdoor installation, complete with water or DX cooling coil, water or steam heating coil, fan, motor, drain pan, filter and all required wiring, piping, and special features.

B. Base Unit:

1. Units shall be fabricated of galvanized or galvanized steel, 19ga exterior panels, painted with baked on polyester based powder coating, colored gray. Painted panels shall pass 500 hour salt spray test as described in ASTM B-117. Lining shall consist of internal thermal/acoustic insulation: 1-in thick 1.5lb/cuft Tufskin II® dual density fiberglass, or 1-in thick 1.5lb/cuft Micromat® dual-density fiberglass with antimicrobial additive, or ¾-in thick closed cell insulation with foil facing on the airflow side. Optional double wall construction shall include 19ga galvanized liner panels and 1-in thick 1.5lb/cuft Micromat® insulation with no fibers exposed to the airstream. Cabinet shall include removable blower and filter access panels on both sides, optional double wall construction shall provide heavy duty door hinges and hex-head closing bolts for filter access doors (2ea) and blower access doors (2ea). Filter options include 2-in. fiberglass throwaway (nominal MERV 3) or 2-in. pleated MERV 8 filter.

2. The drain pan shall extend the entire length and width of the coil, with primary and auxiliary connections that are ¾-in FPT.

i) Standard – 19ga galvanized, flat drain pan, with average 3mil thick antimicrobial coating that provides 750hr salt spray rating per ASTM B117.

ii) Optional – 20ga 304 stainless steel, flat drain pan with average 3mil thick antimicrobial coating that provides 750hr salt spray rating per ASTM B117.

C. Fans:

Belt-driven, double-width fan wheel with forward curved blades, statically and dynamically balanced. The housing shall be constructed of heavy gauge galvanized steel with die-formed inlet cones. Fan wheels shall be constructed of galvanized steel. Fan drive shall consist of variable-pitch motor pulley, fixed-pitch fan pulley and V-belt.

D. Coils:

1. Standard base unit shall be equipped with a 4 or 6-row CW, or 3 or 4-row DX coil, for installation in a 2 or 4-pipe system.

2. Hot water heating coils in a 4 pipe system shall be 1-row or 2-row, slab style perpendicular to airflow, factory installed. Coil fin spacing shall be 10 or 12 fins per inch (FPI). Tube diameter shall be 3/8-in OD or ½-in OD.

3. Steam coils are tube-in-tube steam distributing type coils with copper tubes and aluminum fins, single row, with copper or red brass headers and connections; vent/vacuum breaker connection provided, vacuum breaker assembly/valve is field-provided and installed. Fins are minimum 0.0045-in and fin spacing is 8FPI (standard capacity option) or 12FPI (high capacity option). Coil operating pressure is 6psig max steam pressure.

4. Cooling coil options include a 3-row or 4-row DX coil with TXV or without TXV (R22 or R-410A).

5. All coils shall have copper tubes and aluminum fins. Coil fins are mechanically bonded to tubes. The copper tubes comply with ASTM B-75. The fin thickness is 0.0045-in. All coils are tested with air under water.

E. Operating Characteristics:

1. A unit with single hydronic coil installed in a 2-pipe system shall be capable of providing heating or cooling as determined by the operating mode of the central water supply system and as determined by field-provided and installed valves and controls.

2. A unit with two hydronic coils installed in a 4-pipe system shall be capable of providing heating and cooling, controlled as determined by field-provided and installed valves and controls.

3. A unit with single DX coil installed in a standard split system shall be capable of providing cooling when field-supplied and installed condensing unit is in cooling mode. Also capable of heating when heat pump condensing unit is operating in heating mode.

4. In all arrangements, the fan operation controls and temperature controls are field-provided and installed.

F. Motors:

Fan motors shall be open, drip-proof, single speed, 60Hz, 1750RPM single or 3-phase, suitable for continuous duty at 104-deg F (40 C) in 115, 208, 230 or 277 volts (60Hz). Single phase motors shall be provided with resilient mount. 3-phase motors are available in 208, 230, 460 or 575 volts (60Hz). 2-speed motors (1750RPM/1140RPM) are available. Not all voltages are available in all horsepower ratings.

G. Electrical Requirements:

Fan start/stop controls, including low voltage circuit or controls are field-provided and field-installed.

BR Series Standard Features

H. Optional Field-Installed Accessories:

1. Economizer-horizontal return or vertical return:

Economizers shall include knocked-down weather hood and damper assemblies constructed of steel channel frames with 18ga galvanized steel blades, die-formed stiffeners and full blade stop. Stainless steel side seals and vinyl blade seals to reduce leakage shall be standard. All hardware shall be zinc plated with brass pivot points and bronze oilite bearings. Shafts shall be corrosion resistant steel. Includes 24VAC damper actuator, Belimo "Zip"® California Title-24-compliant economizer controller, outdoor air and mixed air sensors, and 24VAC:208-230V/460V transformer (field wired to separate field power source). Economizers ship separate for field assembly to unit. Must be ordered with unit options marked "Econ-Ready."

2. Motorized Outdoor Air Damper (MOAD)-100%

0-100% MOAD accessory shall be capable of controlling 100% of the nominal fan capacity, and shall include knocked-down weather hood and damper assembly constructed of steel channel frames with 18ga galvanized steel blades, die-formed stiffeners and full blade stop. Stainless steel side seals and vinyl blade seals to reduce leakage shall be standard. All hardware shall be zinc plated with brass pivot points and bronze oilite bearings. Shafts shall be corrosion resistant steel. Includes 24VAC damper actuator, 2-position controller (user-adjustable full open, user-adjustable minimum position, power-off closed), and 24VAC:208-230V/460V transformer (field wired to separate field power source). MOAD's ship separately for field assembly to the air handling unit. Must be ordered with unit options marked "MOAD-Ready."

3. Motorized Outdoor Air Damper (MOAD)-35%

0-35% MOAD accessory shall be capable of controlling up to 35% of the nominal fan capacity, and shall include knocked-down weather hood and damper assembly constructed of steel channel frames with 18ga galvanized steel blades, die-formed stiffeners and full blade stop. Stainless steel side seals and vinyl blade seals to reduce leakage shall be standard. All hardware shall be zinc plated with brass pivot points and bronze oilite bearings. Shafts shall be corrosion resistant steel. Includes 24VAC damper actuator, 2-position controller (user-adjustable full open, user-adjustable minimum position, power-off closed), and 24VAC:208-230V/460V transformer (field wired to separate field power source). MOAD's ship separately for field assembly to air handling unit. Must be ordered with unit options marked "MOAD-Ready."

4. Fixed Air Damper (FAD)

0-100% FAD accessory shall be capable of passing up to 100% of the nominal fan capacity, and shall include knocked-down weather hood and damper assembly constructed of steel slide plate and manually set "setscrew" type adjustment device. Damper is manually set and is not compatible with actuators. Damper does not close to outside once set in an open position. Accessory is for use in applications requiring no shut-off of the outside air damper for freeze protection or other purposes. Must be ordered with unit options marked "MOAD-Ready."

5. Roof Curb

14" or 24" high roof curb accessory shall be constructed of 18ga galvanized steel, shipped knocked-down with corner assembly pins and hex bolt/nut assembly for easy assembly. Complete with 2 x 4 wood nailer strip, 1" open cell foam gasketing, and supply/return duct supports.

BR Physical Data Table

Model BRD		Unit Size							
		08	12	16	20	30	40	60	80
Nominal Capacity (Tons)		2	3	4	5	7.5	10	15	20
Nominal Capacity (BTU/HR)		24000	36000	48000	60000	90000	120000	180000	240000
Nominal Airflow (CFM)		800	1200	1600	2000	3000	4000	6000	8000
Fan									
Fan Size		100-6R		120-11R	120-9R	150-9R		150-11R	18-18(DELHI)
Pre-Filter									
Quality/Actual size (in)	2" Pleated (MERV 8)	16 x 32		(2) 20 x 20		(2) 16 x 20 & (2) 16 x 25		(3) 16 x 20 & (3) 16 x 25	(4) 16 x 20 & (4) 16 x 25
	4" Pleated (MERV 13)								
Coil Face Area									
Face Area-Hydronic (sq ft.)	1-Row	2.0	3.0	4.0	5.0	8.1	9.5	12.8	17.5
	2-Row	2.0	3.0	4.0	5.0	8.1	9.5	12.8	17.5
	4-Row	2.0	3.0	4.0	5.0	8.1	9.5	12.8	17.5
	6-Row	2.0	3.0	4.0	5.0	8.1	9.5	12.8	17.5
Face Area-DX (sq ft.)		2.0	3.0	4.0	5.0	8.1	9.5	12.8	17.5
Face Area-Steam Heating (sq ft.)		-	2.9	3.6	4.5	7.2	8.8	11.2	16.3
Coil Rows/FPI									
Hot Water - 2 Row		2/10	2/10	2/10	2/10	2/10	2/10	2/10	2/10
Chilled Water / 2-Pipe - 4 row		4/10	4/10	4/10	4/10	4/10	4/10	4/13	4/13
Chilled Water / 2-Pipe - 6 row		6/10	6/10	6/10	6/10	4/11	4/11	4/13	4/13
Std Capacity Steam	(See Note 1)	-	1/6	1/6	1/6	1/6	1/6	1/6	1/6
High Capacity Steam		-	1/14	-	1/14	1/14	1/14	1/14	1/14
Std Capacity DX		3/12	3/10	3/12	3/10	3/12	4/12	4/10	4/12
High Capacity DX		6/12	6/10	6/12	6/10	6/10	6/10	6/10	6/12
Max Coil Rows									
Coil Connections (in, OD Copper Tube)									
Hydronic	2-Row	7/8	7/8	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8
	4-Row	3/4	3/4	7/8	1-3/8	1-3/8	1-3/8	1-3/8	1-3/8
	6-Row	3/4	3/4	7/9	1-1/8	1-5/8	1-5/8	1-5/8	1-5/8
Steam-Std Cap-Supply/Return (MPT)		-	1.5/1.0 MPT Red Brass			1.5/1.5 MPT Red Brass		2/1.5 MPT Red Brass	
Steam-High Cap-Supply/Return (MPT)		-	1.5/1.0 MPT Red Brass			1.5/1.5 MPT Red Brass		2/1.5 MPT Red Brass	
Std Cap DX	Liquid (OD Sweat)	3/8	3/8	1/2	1/2	5/8	5/8	-	-
	Suction (OD Sweat)	3/4	3/4	7/8	1 1/8	1-1/8	1-3/8	-	-
Std Cap DX (dual ckt)	Liquid (OD Sweat) 2 ea	3/4	3/8	3/8	3/8	1/2	1/2	5/8	5/8
	Suction (OD Sweat) 2 ea	3/4	3/4	3/4	1-1/8	7/8	1-1/8	1-1/8	1-3/8
High Cap DX	Liquid (OD Sweat)	3/8	3/8	1/2	5/8	5/8	5/8	-	-
	Suction (OD Sweat)	3/4	3/4	1-1/8	1 1/8	1-1/8	1-3/8	-	-
High Cap DX (dual ckt)	Liquid (OD Sweat) 2 ea	3/8	3/8	3/8	1/2	1/2	1/2	7/8	5/8
	Suction (OD Sweat)2 ea	3/4	3/4	3/4	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8

- Notes:
1. Steam coils are 1-row, 5/8" tube-in-tube steam distributing type construction. When calculating total rows of coil for the unit, these count as 2 rows.
 2. For dual circuit coils, volume per circuit is half of that listed.
 3. Not all combinations equaling 10 rows are allowed. Please refer to New Magic 4 Software for permissible selections.

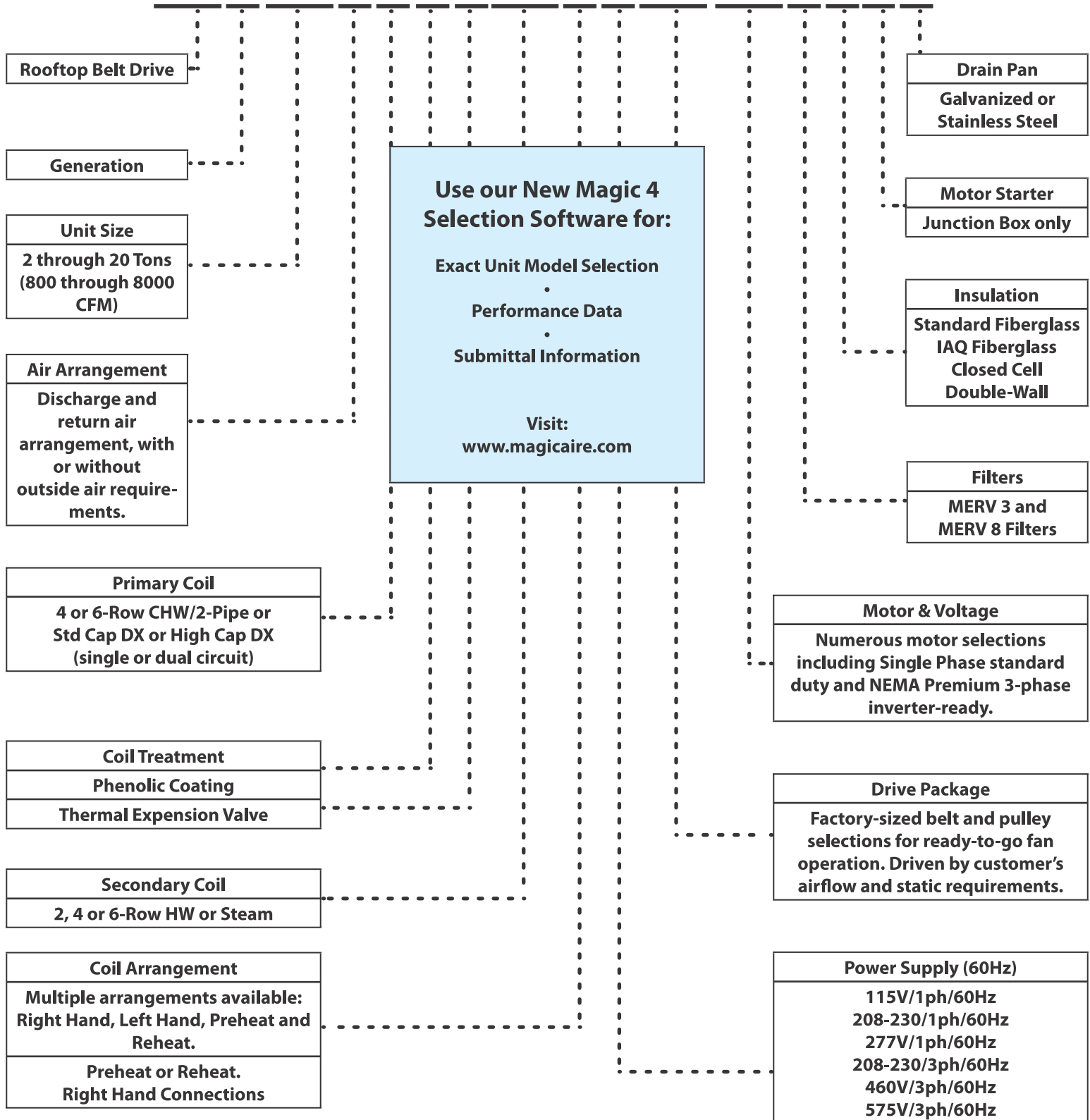
BR Physical Data Table *(Continued)*

Model BRD		Unit Size							
		08	12	16	20	30	40	60	80
Nominal Capacity (Tons)		2	3	4	5	7.5	10	15	20
Nominal Capacity (BTU/HR)		24000	36000	48000	60000	90000	120000	180000	240000
Nominal Airflow (CFM)		800	1200	1600	2000	3000	4000	6000	8000
Condensate Drain Line									
Primary & Auxiliary		3/4" FPT							
Coil Volume									
Hot Water 2 Row (gal)		0.4	0.5	0.8	0.9	1.6	1.9	2.5	3.4
Chilled Water/2-Pipe - 4 row (gal)		0.6	0.9	1.2	1.4	3.2	3.8	5.1	6.9
Chilled Water/2-Pipe - 6 row (gal)		0.9	1.3	1.7	2.1	4.8	5.6	7.6	12.0
R-22 Std Cap DX - no split P/N	(cu in) (See Note 2)	373-260648-001	448901	373-260650-001	449101	373-260527-001	-	-	-
R-22 Std Cap DX - no split		105.0	160.4	211.4	262.4	426.4	663.3	-	-
R-22 Std Cap DX - face split P/N		373-260675-001	373-260452-000	376-002166-002	373-260482-002	-	-	-	-
R-22 Std Cap DX - face split		105.0	160.4	211.4	262.4	426.4	663.3	956.4	1145.5
R-22 High Cap DX - no split P/N	(cu in) (See Note 2)	-	-	373-260651-001	373-260503-001	373-260531-001	-	-	-
R-22 High Cap DX - no split		209.9	320.7	422.8	524.8	852.9	995.0	-	-
R-22 High Cap DX - face split P/N		376-002170-001	373-261023-001	-	373-260501-001	373-260657-001	-	-	-
R-22 High Cap DX - face split		209.9	320.7	422.8	524.8	852.9	995.0	1255.3	3048.0
R-410A Std Cap DX - no split P/N	(cu in) (See Note 2)	373-260869-001	373-260452-000	373-260650-002	373-260913-001	373-261004-001	373-260926-001	-	-
R-410A Std Cap DX - no split		105.0	160.4	211.4	262.4	426.4	663.3	-	-
R-410A Std Cap DX - face split P/N								373-260964-001	373-261093-001
R-410A Std Cap DX - face split		105.0	160.4	211.4	262.4	426.4	663.3	956.4	1145.5
R-410A High Cap DX - no split P/N	(cu in) (See Note 2)							-	-
R-410A High Cap DX - no split		209.9	320.7	422.8	524.8	852.9	995.0	-	-
R-410A High Cap DX - face split P/N		376-002170-001	373-261023-001	376-002816-001	373-260847-001	373-260991-001	-	-	-
R-410A High Cap DX - face split		209.9	320.7	422.8	524.8	852.9	995.0	1255.3	3048.0

- Notes:
1. Steam coils are 1-row, 5/8" tube-in-tube steam distributing type construction. When calculating total rows of coil for the unit, these count as 2 rows.
 2. For dual circuit coils, volume per circuit is half of that listed.
 3. Not all combinations equaling 10 rows are allowed. Please refer to New Magic 4 Software for permissible selections.

BR Nomenclature

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Example	B	R	D	2	0	A	B	A	A	H	2	R	D	6	C	B	4	A	A	B	A	A	M



12	13	14	15	16	17	18	19	20	21	22	23
R	D	6	C	B4		A	A	B	A	A	M

Motor Selections

TSP Varies by Size

See Table

CFM Selection

Selection	Description
0	None
1-9 or A-G	Range 1-9
See Table for Description	

Power Supply

Selection	Description
A	N/A
B	115/1
D	208/240/1
E	277/1
G	208/240/3
H	460/3

Coil Configuration

Selection	Heat Pos	Connection Hand
A	Pre-Heat	Right Hand (Cooling & Heating Coil) or N/A
R	Re-Heat	Right Hand (Cooling & Heating Coil)

Filter

Selection	Description
A	2" Throwaway Filter
B	2" Pleated Filter (MERV 7)

Insulation

A	Standard - Fiberglass
B	Fiberglass - IA Q
C	Closed Cell
D	Double Wall

Motor/Wiring

Selection	Description
A	Junction Box Only

Drain Pan

Selection	Description
A	Galvanized
B	Stainless Steel

Future Use

Magic Aire

BR Code String Details

CODE 14	DESCRIPTION	CRM							
Selection		08	12	16	20	30	40	60	80
0	None - No Motor Supplied	STD							
1	CFM Range 1	600	900	1200	1500	2250	3000	5000	7000
2	CFM Range 2	650	950	1280	1600	2400	3150	5200	7200
3	CFM Range 3	700	960	1360	1700	2550	3200	5400	7400
4	CFM Range 4	750	1000	1440	1800	2700	3300	5600	7600
5	CFM Range 5	800	1020	1520	1900	2850	3400	5800	7800
6	CFM Range 6	850	1080	1600	2000	3000	3450	6000	8000
7	CFM Range 7	900	1140	1680	2100	3150	3600	6200	8200
8	CFM Range 8	950	1200	1760	2200	3200	3750	6400	8400
9	CFM Range 9	1000	1250	1840	2300	3300	3800	6600	8600
A	CFM Range 10		1320	1920	2400	3400	4000	6800	8800
B	CFM Range 11		1380	2000	2500	3450	4200	7000	9000
C	CFM Range 12		1440			3600	4400		
D	CFM Range 13		1500			3750	4600		
E	CFM Range 14						4800		
F	CFM Range 15						5000		

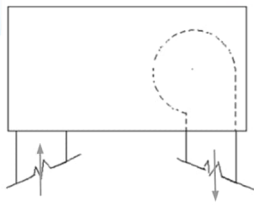
Notes: For reference only. Refer to software for allowable CFM, TSP combinations.

CODE 15	DESCRIPTION	TSP SCHEDULE							
Selection		08	12	16	20	30	40	60	80
0	None - No Motor Supplied	X	X	X	X	X	X	X	X
1	TSP Range 1	0.20 - 0.30	X	X	X	X	X	X	X
2	TSP Range 2	0.31 - 0.40	X	X	X	X	X	X	X
3	TSP Range 3	0.41 - 0.50	X	X	X	X	X	X	X
4	TSP Range 4	0.51 - 0.60	X	X	X	X	X	X	X
5	TSP Range 5	0.61 - 0.70	X	X	X	X	X	X	X
6	TSP Range 6	0.71 - 0.80	X	X	X	X	X	X	X
7	TSP Range 7	0.81 - 0.90	X	X	Refer to Software for allowable CFM, TSP combinations.			X	X
8	TSP Range 8	0.91 - 1.00	X	X				X	X
9	TSP Range 9	1.01 - 1.10	X	X				X	X
A	TSP Range 10	1.11 - 1.20	X	X				X	X
B	TSP Range 11	1.21 - 1.30	X	X				X	X
C	TSP Range 12	1.31 - 1.40	X	X				X	X
D	TSP Range 13	1.41 - 1.50	X	X	X	X	X	X	X
E	TSP Range 14	1.51 - 1.60	X	X	X	X	X	X	X
F	TSP Range 15	1.61 - 1.70	X	X	X	X	X	X	X
G	TSP Range 16	1.71 - 1.80	X	X	X	X	X	X	X
H	TSP Range 17	1.81 - 1.90	X	X	X	X	X	X	X
J	TSP Range 18	1.91 - 2.00	X	X	X	X	X	X	X
K	TSP Range 19	2.01 - 2.10	X	X	X	X	X	X	X
L	TSP Range 20	2.11 - 2.20			X	X	X	X	X
M	TSP Range 21	2.21 - 2.30			X	X	X	X	X
N	TSP Range 22	2.31 - 2.40			X	X	X	X	X
P	TSP Range 23	2.41 - 2.50			X	X	X	X	X

- Notes:
1. All motors are 1750 rpm, 60 Hz.
 2. Refer to software for recommended Min/Max HP.
 3. Motor and belt access is from the left side .
 4. Motor voltage must match power supply (Code 12).

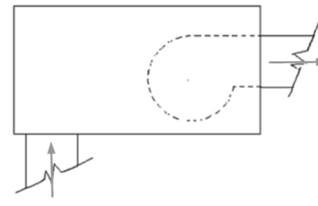
Code 16, 17 Motor Selection			
Selection	Voltage	Type Encl	HP
AA	No Motor		
B2	115/208 - 240/1	ODP	0.33
B3			0.50
B4			0.75
B5			1.00
B6			1.50
B7			2.00
C1	115/1	ODP, HE	0.50
C2			0.75
C3			1.00
D1	115/240/1	TEFC	0.50
D2			0.75
D3			1.00
D4			1.50
D5			2.00
E1	115/1	ODP, 2SP	0.50
E2			0.75
E3			1.00
F1	240/1	ODP, 2SP	0.50
F2			0.75
F3			1.00
G1	277/1	ODP	0.25
G2			0.33
G3			0.50
G4			0.75
G5			1.00
G6			1.50
G7			2.00
L1	208-240/460/3	ODP, HE	0.50
L2			0.75
L3		ODP, NEMA Premium	1.00
L4			1.50
L5			2.00
L6			3.00
L7			5.00
L8			7.50
L9			10.00
N1	575/3	OPD, HE	0.50
N2			0.75
N3			1.00
N4			1.50
N5			2.00
N6		ODP, NEMA Premium	3.00
N7			5.00
N8			7.50
N9			10.00
K1	208-230/460/3	ODP, 2SP	0.50
K2			0.75
K3	208-230/3 or 460/3		1.00
K4	208-230/460/3		1.50
K5	230/460/3		2.00
K6	460/3		3.00
K7	230/460/3		5.00

BR Series Discharge Air Arrangements



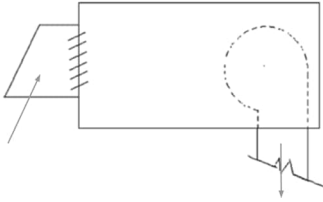
"A"

Discharge: Down flow
RA: Vertical
OA: None



"S"

Discharge: Horizontal
RA: Vertical
OA: None



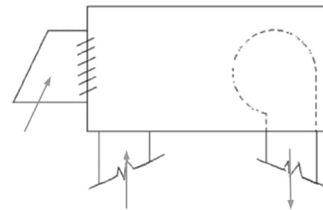
"P"

Discharge: Down flow
RA: None
OA: Yes
MOAD (0-100%)



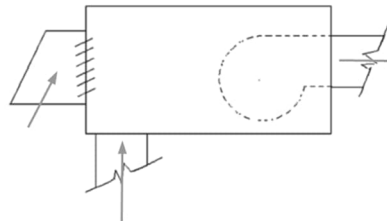
"Y"

Discharge: Horizontal
RA: None
OA: Yes
MOAD (0-100%)



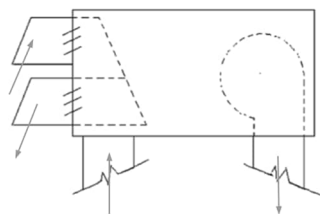
"M" or "N"

Discharge: Down flow
RA: Vertical
OA: Yes
OA Control:
"M" MOAD (0-100%)
"N" FAD



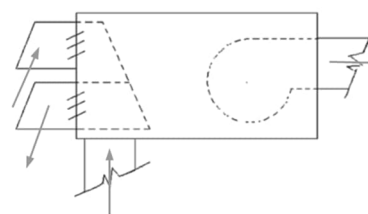
"V" or "W"

Discharge: Horizontal
RA: Vertical
OA: Yes
OA Control:
"V" MOAD (0-100%)
"W" FAD



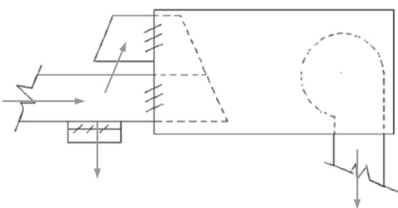
"L"

Discharge: Down flow
RA: Vertical
OA: Yes
OA Control:
ECON



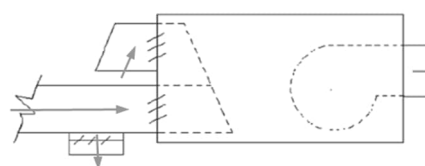
"T"

Discharge: Horizontal
RA: Vertical
OA: Yes
OA Control:
ECON



"R"

Discharge: Down flow
RA: Horizontal
OA: Yes
OA Control:
ECON



"Z"

Discharge: Horizontal
RA: Horizontal
OA: Yes
OA Control:
ECON

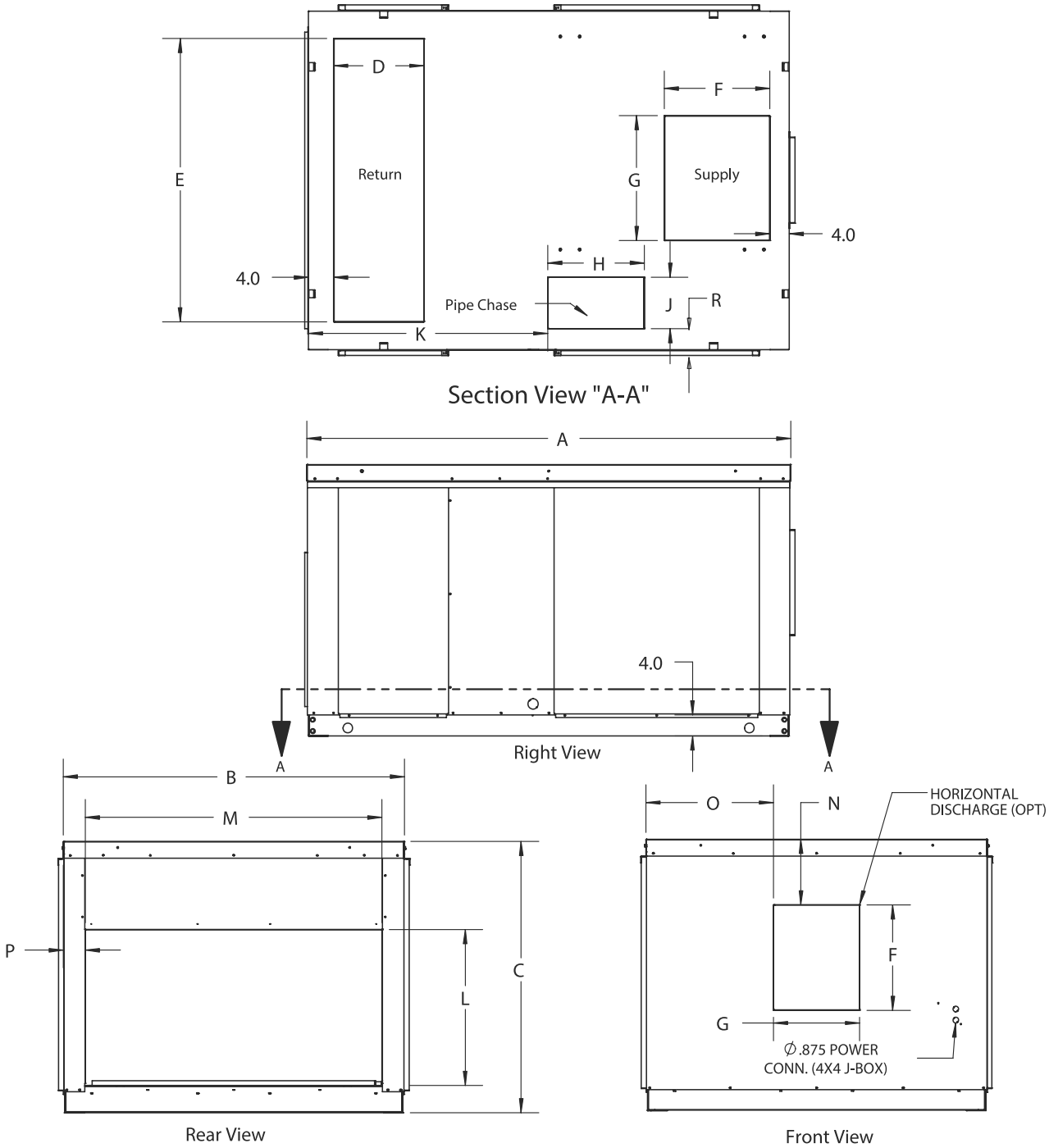
NOTES:

1. MOAD, ECON, and FAD are factory installed.
2. For field provided OA control, use selection A or S.
3. Options L, T, R and Z have factory supplied barometric relief damper that is field installed as part of the hood assembly with dampers opening toward outside air. Options R and Z are installed in RA ductwork. See pages 27-28.

Legend:

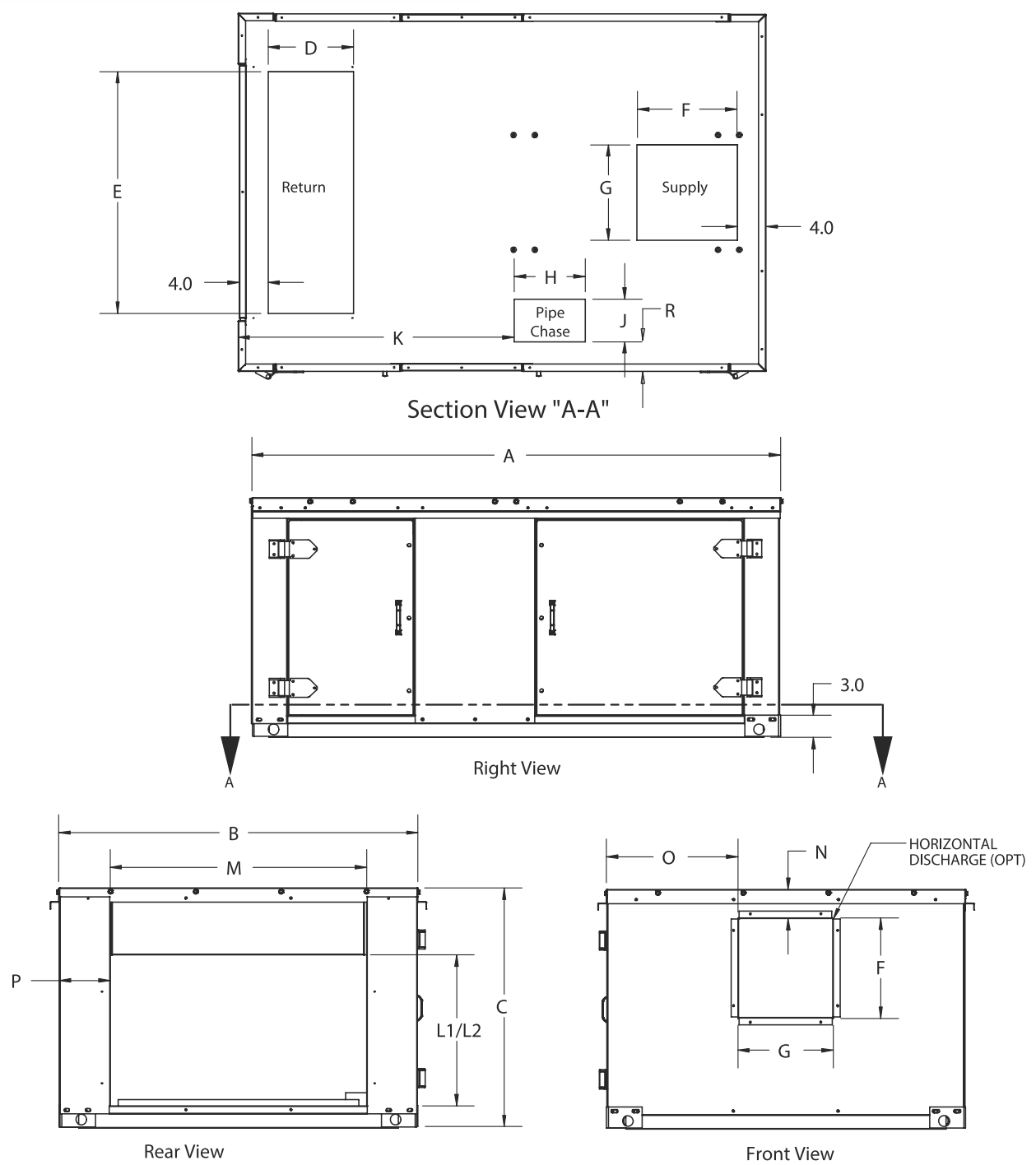
OA Outside Air
RA Return Air
MOAD Motorized OA Damper
FAD Fixed OA Damper
ECON Economizer

BR Single Wall Unit



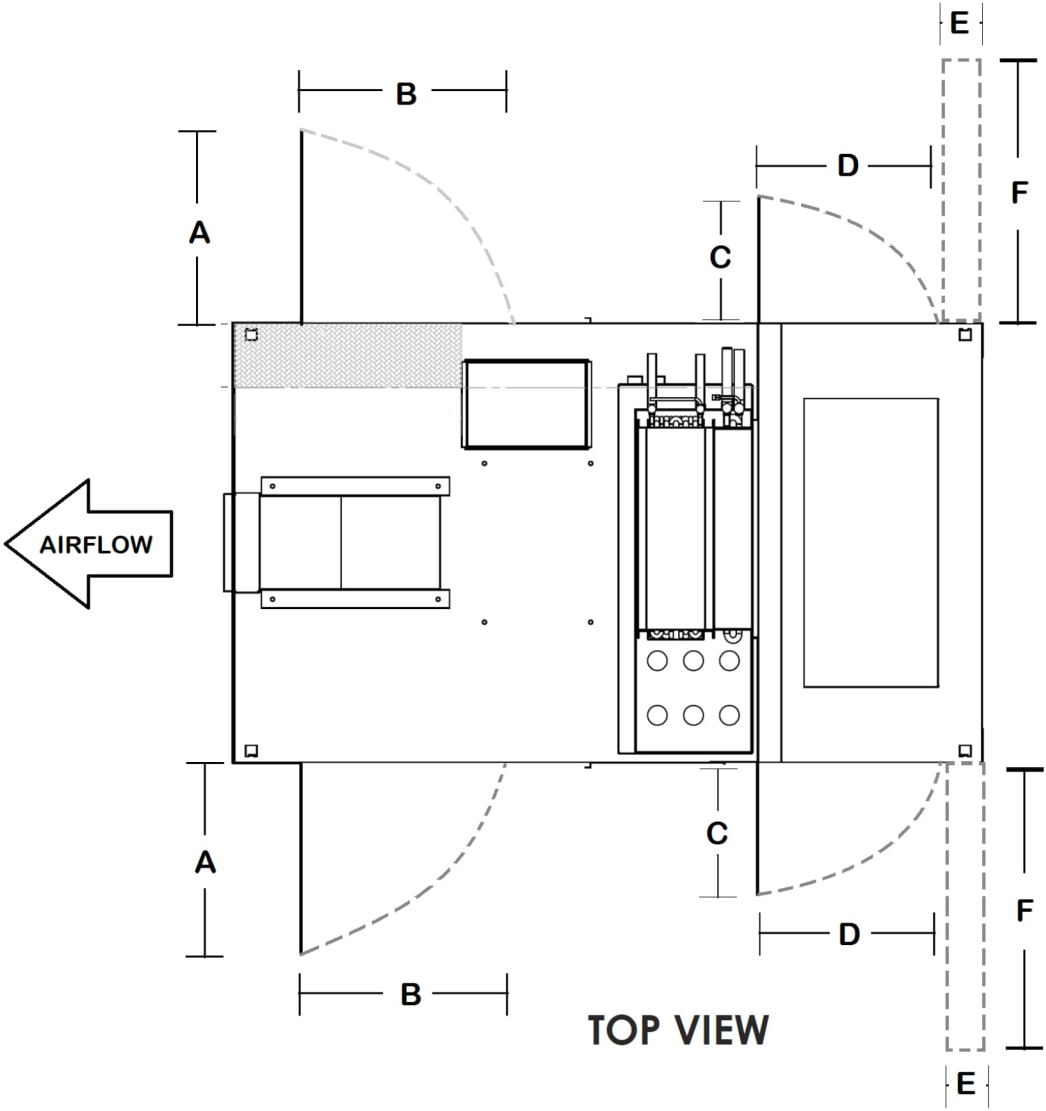
MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R
BR-08/12	67.4	39.6	22.5	12.0	25.8	11.9	8.9	11.0	8.0	35.4	14.2	28.4	2.5	15.3	5.6	3.25
BR-16/20	72.1	48.1	28.5	12.0	34.0	13.8	13.1	11.0	8.0	35.6	18.2	35.8	5.1	17.5	6.2	4.00
BR-30/40	75.0	53.0	42.2	14.0	44.0	16.3	18.8	15.0	8.0	37.2	24.3	46.0	10.1	20.0	3.5	3.25
BR-60	75.1	53.0	55.7	14.0	44.0	15.9	18.6	15.0	8.0	37.3	32.7	46.0	23.5	16.8	3.5	3.25
BR-80	96.0	76.3	53.3	15.0	62.0	19.0	22.0	15.0	8.0	50.3	47.0	68.2	17.4	27.1	4.1	6.00

BR Double Wall Unit



MODEL	A	B	C	D	E	F	G	H	J	K	L1	L2	M	N	O	P	R
BR-08/12	70.0	42.0	30.5	12.0	26.0	11.9	8.9	10.0	6.0	33.7	17.2	14.2	28.1	8.5	16.6	7.0	3.25
BR-16/20	70.4	50.5	33.6	12.0	34.0	13.6	13.0	10.0	6.0	38.9	21.2	18.2	36.1	4.2	18.6	7.2	4.00
BR-30/40	77.4	55.5	50.9	14.0	44.0	16.4	18.9	15.0	8.0	38.0	35.1	24.3	45.9	19.9	21.2	4.8	3.25
BR-60	77.4	55.5	50.9	14.0	44.0	16.4	18.9	15.0	8.0	38.0	48.9	32.8	45.9	29.7	18.3	4.8	3.25
BR-80	96.5	76.5	64.1	14.0	62.0	19.5	22.0	15.0	8.0	51.9	48.2	46.9	65.8	24.0	27.3	5.4	6.00

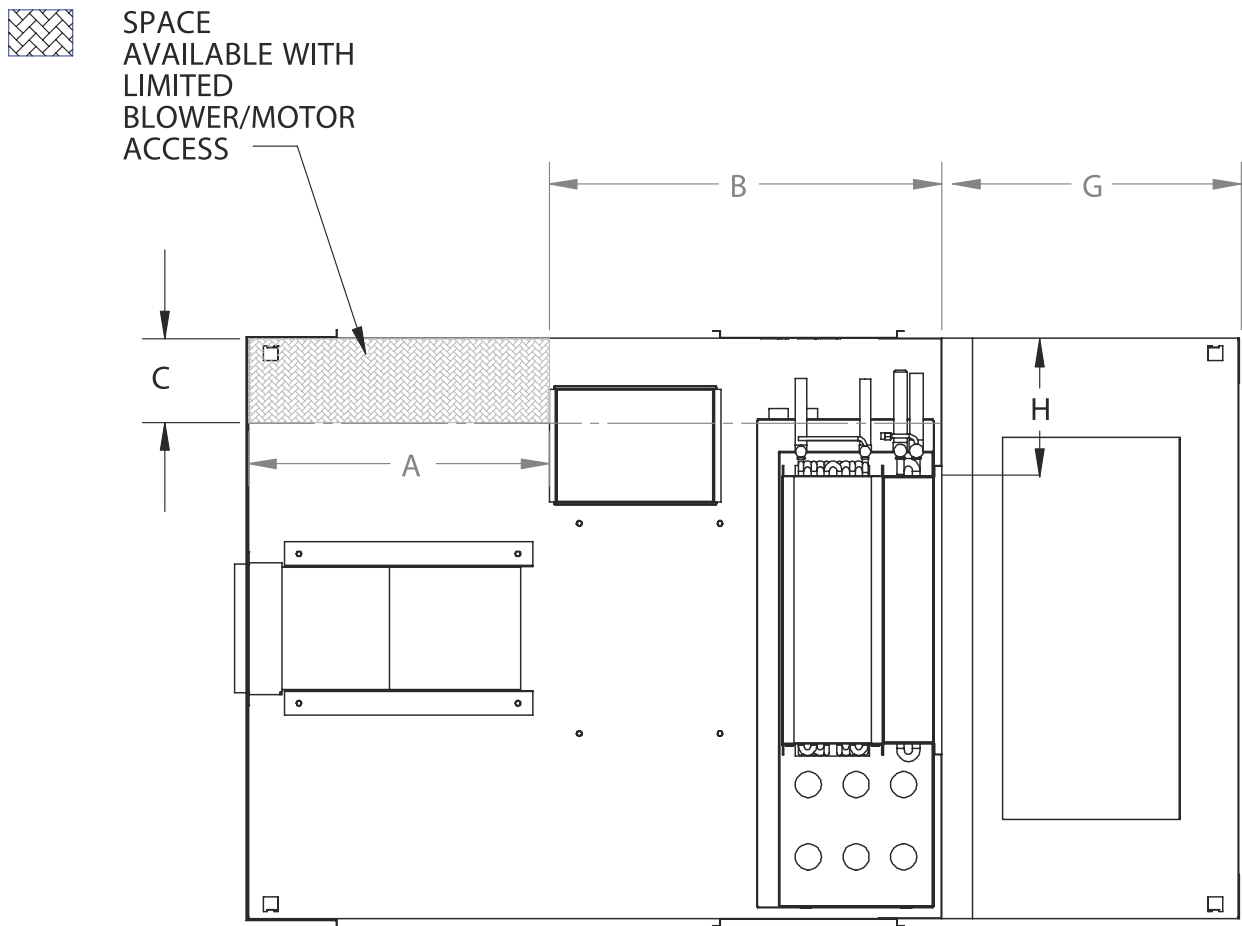
Notes: L1 dimension is for HBREP/UBREP option • L2 dimension is for FAD/MOAD option.



BR UNIT SIZE	DIMENSIONS					
	A	B	C	D	E	F
08/12	45	27	33	15	6	36
16/20	48	30	35	17	6	36
30/40	48	30	35	17	6	36
60	48	30	35	17	6	36
80	53	35	37	19	6	36

- Notes:
1. Not to scale. Refer to catalog drawings for unit dimensions.
 2. Allow clearance for filed piping as required by the project requirements.
 3. All dimensions are in inches.

BR Inside Clearance Dimensions

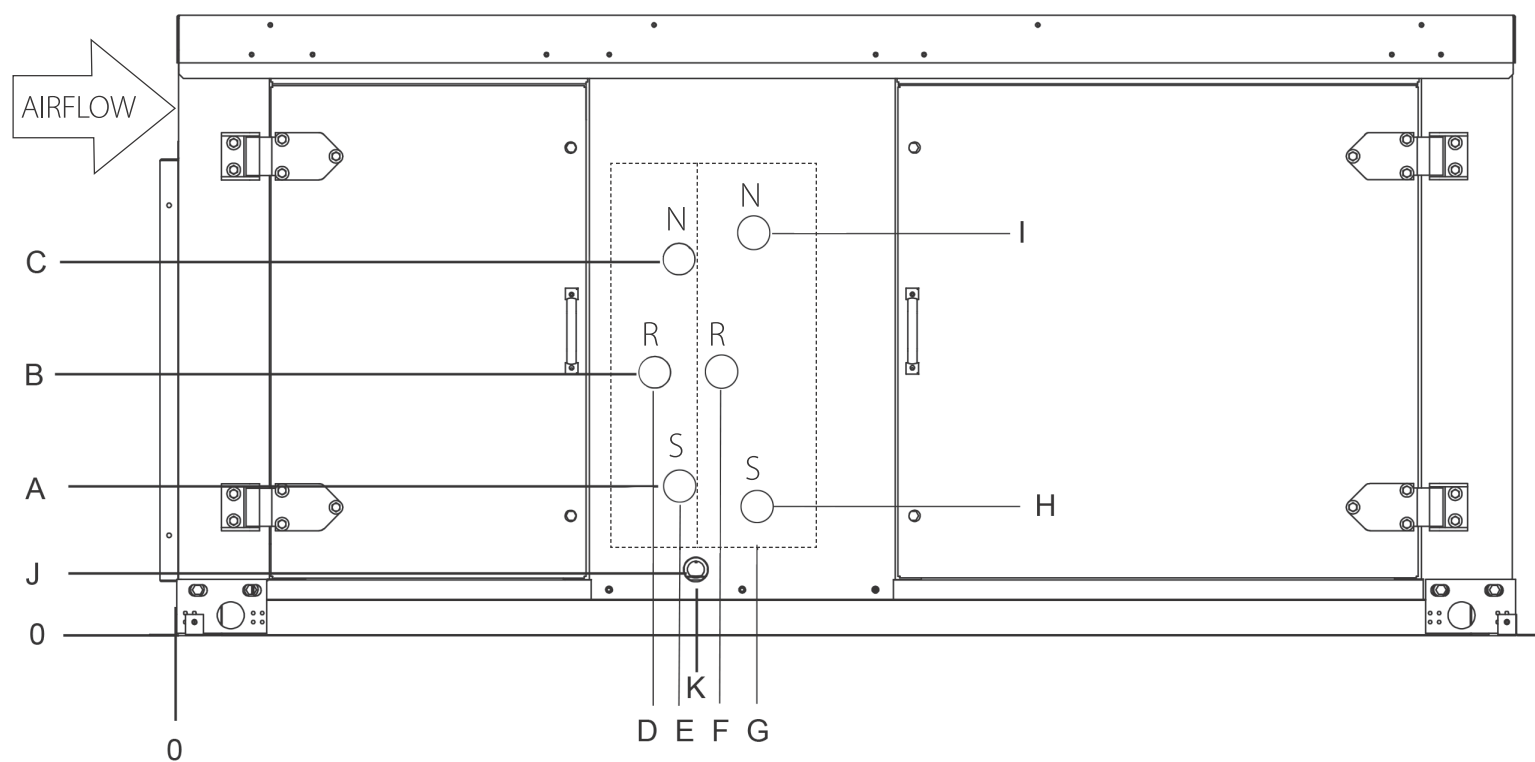


TOP VIEW

UNIT SIZE	CONSTRUCTION	A	B	C	H	G
08/12	Single Wall	20.30	26.5	5.25	6.1	20.7
16/20		25.21	24.23	5.25	6.1	20.7
30/40		22.54	31.48	6.50	4.7	21.5
60		22.58	32.97	4.68	5.1	19.75
80		29.40	38.75	10.5	7.16	26.77
08/12	Double Wall	22.39	25.67	4.41	4.65	21.25
16/20		25.54	27.32	5.36	4.66	22.41
30/40		23.14	32.33	6.00	6.39	21.63
60		23.24	33.65	4.69	4.82	20.21
80		28.49	44.12	7.66	7.29	21.7

Notes: L1 dimension is for HBREP/UBREP option • L2 dimension is for FAD/MOAD option.

BRD DW External Connections



Note:

External coil connections are available for double wall units with hydronic coils only. Not available with steam or DX coils.

Legend:

S = supply connection (CHW or HW)

R = return connection (CHW or HW)

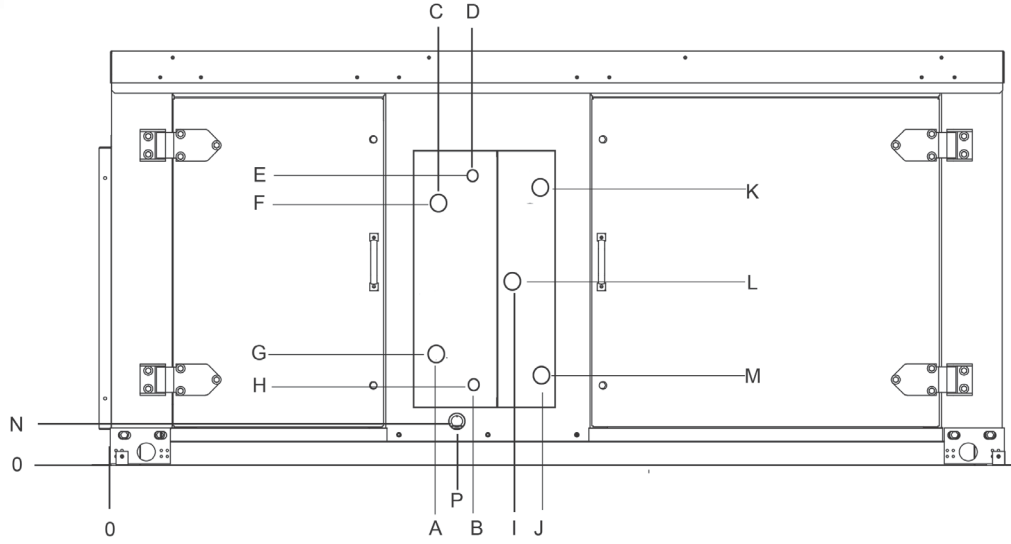
N = upper connection is not used; cap with factory provided cap or use with field provided, field installed air vent devices. Upper connection is common with the supply (lowest) connection.

BRD DW External Connections *(Continued)*

		Dimensions (Refer to figure on pg. 16) (Inches)										
Unit Mode	Coil(s) Rows	A	B	C	D	E	F	G	H	I	J	K
BRD 08	2	8.40	12.70	17.00	22.45	23.53	-	-	-	-	3.72	28.14
	2-4	8.40	12.70	17.00	22.45	23.53	25.93	28.53	8.40	17.00	3.72	28.14
	2-6	8.40	12.70	17.00	22.45	23.53	25.91	30.24	8.40	17.00	3.72	28.14
	4	8.40	12.70	17.00	22.45	25.05	-	-	-	-	3.72	28.14
	4-2	8.40	12.70	17.00	22.45	25.05	27.45	28.53	8.40	17.00	3.72	28.14
	4-4	8.40	12.70	17.00	22.45	25.05	27.45	30.05	8.40	17.00	3.72	28.14
	6	8.40	12.70	17.00	22.43	26.76	-	-	-	-	3.72	28.14
BRD 12	2	8.40	12.70	17.00	22.45	23.53	-	-	-	-	3.72	28.14
	2-4	8.40	12.70	17.00	22.45	23.53	25.93	28.53	8.40	17.00	3.72	28.14
	2-6	8.40	12.70	17.00	22.45	23.53	25.94	30.27	8.40	17.00	3.72	28.14
	4	8.40	12.70	17.00	22.45	25.05	-	-	-	-	3.72	28.14
	4-2	8.40	12.70	17.00	22.45	25.05	27.45	29.73	8.40	17.00	3.72	28.14
	4-4	8.40	12.70	17.00	22.45	25.05	27.45	29.73	8.40	17.00	3.72	28.14
	6	8.40	12.70	17.00	22.46	26.79	-	-	-	-	3.72	28.14
BRD 16	2	8.41	14.71	21.01	23.41	25.11	-	-	-	-	3.67	28.85
	2-4	8.41	14.71	21.01	23.41	25.11	31.21	31.21	8.41	21.01	3.67	28.85
	2-6	8.41	14.71	21.01	23.41	25.11	30.06	31.41	8.41	21.01	3.67	28.85
	4	8.41	14.71	21.01	26.13	26.21	-	-	-	-	3.67	28.85
	4-2	8.41	14.71	21.01	26.13	26.21	28.41	30.11	7.13	19.75	3.67	28.85
	4-4	8.41	14.71	21.01	26.13	26.21	31.13	31.21	8.41	21.01	3.67	28.85
	6	8.41	14.71	21.01	26.58	27.93	-	-	-	-	3.67	28.85
BRD 20	2	8.41	14.71	21.01	26.58	27.93	30.06	31.80	8.47	21.09	3.67	28.85
	2	8.45	14.75	21.05	26.59	25.14	-	-	-	-	3.67	28.85
	2-4	8.45	14.75	21.05	26.59	25.14	30.08	29.68	8.46	21.06	3.67	28.85
	2-6	8.45	14.75	21.05	26.59	25.14	30.10	31.44	8.41	21.01	3.67	28.85
	4	8.46	14.76	21.06	26.61	26.21	-	-	-	-	3.67	28.85
	4-2	8.46	14.76	21.06	26.61	26.21	31.59	30.14	8.45	21.05	3.67	28.85
	4-4	8.46	14.76	21.06	26.61	26.21	31.61	31.21	8.46	21.06	3.67	28.85
BRD 30	6	8.41	14.71	21.01	26.63	27.97	-	-	-	-	3.67	28.85
	2	11.39	21.44	31.49	25.92	24.47	-	-	-	-	4.90	34.90
	2-4	11.39	21.44	31.49	25.92	24.47	31.81	31.88	9.89	32.99	4.90	34.90
	2-6	11.39	21.44	31.49	25.92	24.47	32.32	34.03	9.89	32.99	4.90	34.90
	4	9.89	21.44	32.99	26.87	26.94	-	-	-	-	4.90	34.90
	4-2	9.89	21.44	32.99	26.87	26.94	33.30	31.85	11.39	31.49	4.90	34.90
	4-4	9.89	21.44	32.99	26.87	26.94	34.25	34.32	9.89	32.99	4.90	34.90
BRD 40	6	9.89	21.44	32.99	27.38	29.09	-	-	-	-	4.90	34.90
	2	16.39	23.99	36.39	22.93	24.03	-	-	-	-	4.90	34.90
	2-4	16.39	23.99	36.39	22.93	24.03	30.57	30.64	9.89	37.99	4.90	34.90
	2-6	16.39	23.99	36.39	22.93	24.03	31.08	32.79	9.89	38.09	4.90	34.90
	4	9.89	23.94	37.99	26.87	26.94	-	-	-	-	4.90	34.90
	4-2	9.89	23.94	37.99	26.87	26.94	30.31	31.41	16.39	36.39	4.90	34.90
	4-4	9.89	23.94	37.99	26.87	26.94	34.25	34.32	9.89	37.99	4.90	34.90
BRD 60	6	9.89	23.99	38.09	27.38	29.09	-	-	-	-	4.90	34.90
	2	7.77	27.32	46.87	23.90	25.61	-	-	-	-	5.10	33.20
	2-4	7.77	27.32	46.87	23.90	25.61	25.60	29.60	8.32	46.32	5.10	33.20
	2-6	7.77	27.32	46.87	23.90	25.61	29.58	31.28	9.82	44.82	5.10	33.20
	4	8.32	27.32	46.32	21.90	25.90	-	-	-	-	5.10	33.20
	4-2	8.32	27.32	46.32	21.90	25.90	31.91	32.99	7.77	46.87	5.10	33.20
	4-4	8.32	27.32	46.32	21.90	25.90	29.28	33.28	8.32	46.32	5.10	33.20
BRD 80	6	9.82	27.32	44.82	25.26	26.96	-	-	-	-	5.10	33.20
	2	10.79	30.00	48.79	22.80	24.20	-	-	-	-	6.50	33.50
	2-4	10.79	30.00	48.79	22.80	24.20	27.09	31.09	10.79	48.79	6.50	33.50
	2-6	10.79	30.00	48.79	22.80	24.20	31.27	32.86	10.84	48.72	6.50	33.50
	4	10.79	30.00	48.79	23.39	12.98	-	-	-	-	6.50	33.50
	4-2	10.79	30.00	48.79	23.39	12.98	30.18	31.58	10.79	48.79	6.50	33.50
	4-4	10.79	30.00	48.79	23.39	12.98	30.77	34.77	10.79	48.79	6.50	33.50
BRD 80	6	10.84	30.00	48.72	27.57	29.16	-	-	-	-	6.50	33.50
	6-2	10.84	30.00	48.72	27.57	29.16	32.30	33.70	10.79	48.79	6.50	33.50

BRD DX Hydronic Reheat - Single Wall

Note:
Connections are
internal and do not
exit the cabinet.

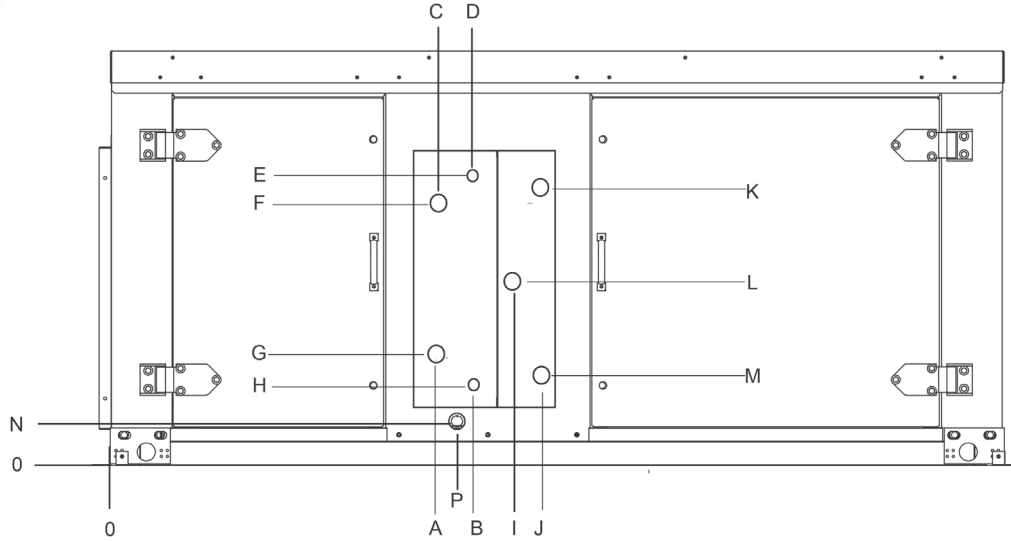


DX And Hydronic Coils/ Reheat / Single Wall																
Unit Size	Coil(s) Rows	A	B	C (Dual Circuit)	D (Dual Circuit)	E (Dual Circuit)	F (Dual Circuit)	G	H	I	J	K	L	M	N	P
BRD 08	3-DX 2-HW	23.0	26.0	-	-	-	-	9.9	8.6	27.5	29.3	18.5	14.2	9.9	4.7	31.0
	6-DX 2-HW	21.9	24.9	-	-	-	-	9.9	8.6	28.5	30.3	18.5	14.2	9.9	4.7	31.0
	6-DX (2) 2-HW	21.9	26.2	21.9	23.9	20.0	16.9	9.4	8.4	28.4	30.2	18.5	14.2	9.9	4.7	31.0
	3-DX 4-HW	23.0	26.0	-	-	-	-	9.9	8.6	27.9	30.4	18.5	14.2	9.9	4.7	31.0
BRD 12	3-DX 2-HW	23.0	26.0	-	-	-	-	9.9	8.6	27.8	28.9	18.5	14.2	9.9	4.7	31.0
	6-DX 2-HW	22.0	25.0	-	-	-	-	9.9	8.6	28.7	29.7	18.5	14.2	9.9	4.7	31.0
	6-DX (2) 2-HW	22.0	24.3	22.0	24.3	20.0	15.4	8.6	8.6	28.7	29.7	18.5	14.2	9.9	4.7	31.0
	3-DX 4-HW	23.0	26.0	-	-	-	-	9.9	8.6	27.8	30.4	18.5	14.2	9.9	4.7	31.0
BRD 16	3-DX 2-HW	24.5	26.5	-	-	-	-	9.9	8.6	27.8	28.9	22.5	16.2	9.9	5.0	33.5
	3-DX (2) 2-HW	23.0	25.0	23.0	25.0	19.9	19.9	9.9	9.9	27.8	28.9	22.5	16.2	9.9	5.0	33.5
	6-DX 2-HW	21.9	24.9	-	-	-	-	9.9	8.6	28.7	29.7	22.5	16.2	9.9	5.0	33.5
	6-DX (2) 2-HW	21.9	25.4	21.9	23.9	24.1	19.9	9.9	8.9	28.7	29.7	22.5	16.2	9.9	5.0	33.5
	3-DX 4-HW	24.5	26.5	-	-	-	-	9.9	8.6	27.8	28.9	22.5	16.2	9.9	5.0	33.5
	3-DX (2) 4-HW	23.0	25.0	23.0	25.0	19.9	19.9	9.9	9.9	27.8	28.9	22.5	16.2	9.9	5.0	33.5
BRD 20	3-DX 2-HW	23.1	26.6	-	-	-	-	9.9	9.9	27.8	28.9	22.4	16.1	9.8	5.0	33.5
	3-DX (2) 2-HW	23.0	26.6	23.0	26.6	23.6	19.8	9.9	8.6	27.8	28.9	22.4	16.1	9.8	5.0	33.5
	6-DX 2-HW	21.7	24.7	-	-	-	-	9.9	7.4	28.2	29.2	22.4	16.1	9.8	5.0	33.5
	6-DX (2) 2-HW	21.9	26.2	21.9	24.9	23.6	19.9	9.9	8.6	28.2	29.2	22.4	16.1	9.8	5.0	33.5
	3-DX 4-HW	23.1	26.6	-	-	-	-	9.9	9.9	27.8	30.4	22.5	16.2	9.9	5.0	33.5
	3-DX (2) 4-HW	23.0	26.6	23.0	26.6	23.6	19.8	9.9	8.6	27.8	30.4	22.5	16.2	9.9	5.0	33.5
BRD 30	3-DX 2-HW	22.8	24.8	-	-	-	-	8.2	8.2	30.0	28.6	29.8	19.8	9.7	4.9	34.9
	3-DX (2) 2-HW	22.8	24.5	22.8	24.5	23.0	23.0	8.1	8.1	30.0	28.6	29.8	19.8	9.7	4.9	34.9
	6-DX 2-HW	22.8	25.8	-	-	-	-	8.2	8.2	33.3	31.2	29.8	19.8	9.7	4.9	34.9
	6-DX (2) 2-HW	22.8	25.8	22.8	25.8	23.2	23.2	8.2	8.2	33.3	31.2	29.8	19.8	9.7	4.9	34.9
	3-DX 4-HW	22.8	24.8	-	-	-	-	8.2	8.2	31.0	31.0	31.3	19.8	8.2	4.9	34.9
	3-DX (2) 4-HW	22.8	24.5	22.8	24.5	23.0	23.0	8.1	8.1	31.0	31.0	31.3	19.8	8.2	4.9	34.9
BRD 40	4-DX 2-HW	22.5	25.5	-	-	-	-	8.2	8.2	29.5	30.9	34.7	9.7	-	4.9	34.9
	4-DX (2) 2-HW	22.8	25.8	22.8	25.8	23.3	24.4	8.4	7.8	29.5	30.9	34.7	9.7	-	4.9	34.9
	6-DX 2-HW	22.8	25.8	-	-	-	-	8.2	8.2	29.5	30.9	34.7	9.7	-	4.9	34.9
	6-DX (2) 2-HW	22.8	25.8	22.8	25.8	24.9	24.9	8.2	8.2	29.5	30.9	34.7	9.7	-	4.9	34.9
	4-DX 4-HW	22.5	25.5	-	-	-	-	8.2	8.2	33.6	33.6	36.3	22.3	8.2	4.9	34.9
	4-DX (2) 4-HW	22.8	25.8	22.8	25.8	23.3	24.4	8.4	7.8	33.6	33.6	36.3	22.3	8.2	4.9	34.9
BRD 60	4-DX (2) 2-HW	21.0	24.0	21.0	24.0	31.1	31.1	8.6	8.6	30.9	32.0	47.1	27.6	8.1	5.1	33.2
	6-DX (2) 2-HW	21.0	25.3	21.0	25.3	30.2	30.9	8.6	7.9	31.0	32.1	47.1	27.6	8.1	5.1	33.2
	4-DX (2) 4-HW	21.0	24.0	21.0	24.0	31.1	31.1	8.6	8.6	28.9	32.1	46.6	8.6	-	5.1	33.2
BRD 80	4-DX (2) 2-HW	28.0	30.3	28.0	30.3	33.1	33.1	10.6	10.6	34.8	36.2	48.7	10.7	-	6.5	33.5
	6-DX (2) 2-HW	28.8	31.8	28.8	31.8	33.3	33.3	10.7	10.7	37.4	38.8	48.7	10.7	-	6.5	33.5
	4-DX (2) 4-HW	28.0	30.3	28.0	30.3	33.1	33.1	10.6	10.6	35.9	39.1	48.7	10.7	-	6.5	33.5

Note: Internal coil connections. See P. 16 for external coil connections.

BRD DX Hydronic Reheat - Double Wall

Note:
Connections are
internal and do not
exit the cabinet.

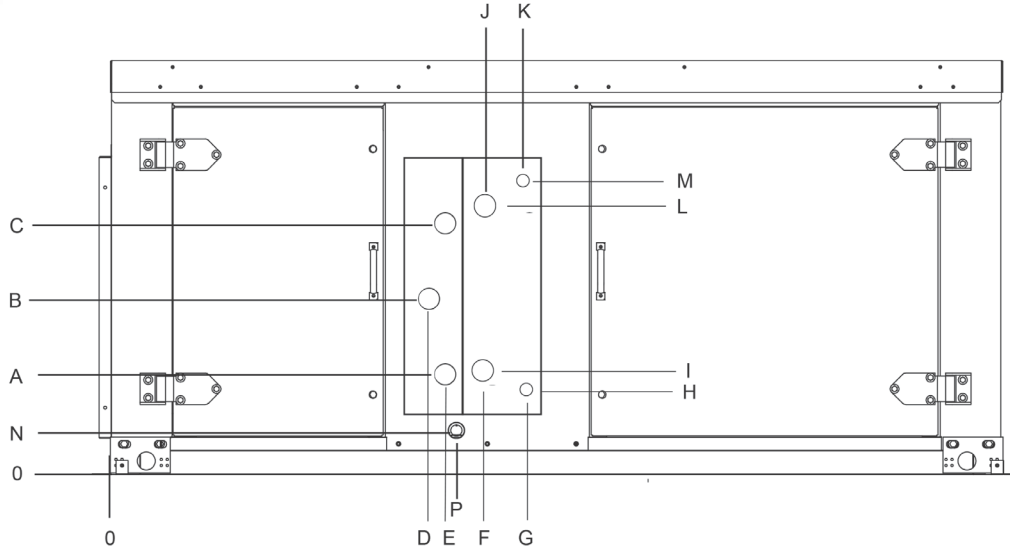


DX And Hydronic Coils/ Reheat / Double Wall																
Unit Size	Coil(s) Rows	A	B	C (Dual Circuit)	D (Dual Circuit)	E (Dual Circuit)	F (Dual Circuit)	G	H	I	J	K	L	M	N	P
BRD 08	3-DX 2-HW	23.6	26.6	-	-	-	-	8.4	7.2	28.1	29.9	17.0	12.7	8.4	4.7	31.0
	6-DX 2-HW	22.4	25.4	-	-	-	-	8.4	7.2	29.0	30.8	17.0	12.7	8.4	4.7	31.0
	6-DX (2) 2-HW	22.5	26.7	22.5	24.5	18.6	15.5	7.9	6.9	28.9	30.7	17.0	12.7	8.4	4.7	31.0
	3-DX 4-HW	23.0	26.0	-	-	-	-	9.9	8.6	28.4	30.9	17.0	12.7	8.4	4.7	31.0
BRD 12	3-DX 2-HW	23.6	26.6	-	-	-	-	8.4	7.2	28.3	29.4	17.1	12.8	8.5	4.7	31.0
	6-DX 2-HW	22.5	25.5	-	-	-	-	8.4	7.2	29.2	30.3	17.1	12.8	8.5	4.7	31.0
	6-DX (2) 2-HW	22.5	24.9	22.5	24.9	18.6	13.9	7.2	7.2	29.2	30.3	17.1	12.8	8.5	4.7	31.0
	3-DX 4-HW	23.6	26.6	-	-	-	-	8.4	7.2	28.3	30.9	17.0	12.7	8.4	4.7	31.0
BRD 16	3-DX 2-HW	26.2	28.2	-	-	-	-	8.4	7.2	29.5	30.6	21.1	14.8	8.5	5.0	33.5
	3-DX (2) 2-HW	24.7	26.7	24.7	26.7	18.5	18.5	8.5	8.5	29.5	30.6	21.1	14.8	8.5	5.0	33.5
	6-DX 2-HW	23.6	26.6	-	-	-	-	8.4	7.2	30.4	31.4	21.1	14.8	8.5	5.0	33.5
	6-DX (2) 2-HW	23.6	27.1	23.6	25.6	22.6	18.4	8.4	7.4	30.4	31.4	21.1	14.8	8.5	5.0	33.5
	3-DX 4-HW	26.2	28.2	-	-	-	-	9.9	8.6	29.5	30.6	21.0	14.7	8.4	5.0	33.5
	3-DX (2) 4-HW	24.7	26.7	24.7	26.7	18.5	18.5	8.5	8.5	29.5	30.6	21.0	14.7	8.4	5.0	33.5
BRD 20	3-DX 2-HW	24.8	28.3	-	-	-	-	8.4	8.4	29.5	30.6	21.0	14.7	8.4	5.0	33.5
	3-DX (2) 2-HW	24.7	28.3	24.7	28.3	22.2	18.3	8.4	7.2	29.5	30.6	21.0	14.7	8.4	5.0	33.5
	6-DX 2-HW	23.4	26.4	-	-	-	-	8.4	5.9	29.9	30.9	21.0	14.7	8.4	5.0	33.5
	6-DX (2) 2-HW	23.6	27.9	23.6	26.6	22.2	18.4	8.4	7.2	29.9	30.9	21.0	14.7	8.4	5.0	33.5
	3-DX 4-HW	24.8	28.3	-	-	-	-	8.4	8.4	29.5	32.1	21.0	14.7	8.4	5.0	33.5
	3-DX (2) 4-HW	24.7	28.3	24.7	28.3	22.2	18.3	8.4	7.2	29.5	32.1	21.0	14.7	8.4	5.0	33.5
BRD 30	3-DX 2-HW	22.9	24.9	-	-	-	-	9.9	9.9	30.2	28.7	31.5	21.4	11.4	4.9	34.9
	3-DX (2) 2-HW	22.9	24.6	22.9	24.6	24.7	24.7	9.8	9.8	30.2	28.7	31.5	21.4	11.4	4.9	34.9
	6-DX 2-HW	22.9	25.9	-	-	-	-	9.9	9.9	33.4	31.3	31.5	21.4	11.4	4.9	34.9
	6-DX (2) 2-HW	22.9	25.9	22.9	25.9	24.9	24.9	9.9	9.9	33.4	31.3	31.5	21.4	11.4	4.9	34.9
	3-DX 4-HW	22.9	24.9	-	-	-	-	9.9	9.9	31.1	31.2	33.0	21.4	9.9	4.9	34.9
	3-DX (2) 4-HW	22.9	24.6	22.9	24.6	24.7	24.7	9.8	9.8	31.1	31.2	33.0	21.4	9.9	4.9	34.9
BRD 40	4-DX 2-HW	22.6	25.6	-	-	-	-	9.9	9.9	29.6	31.0	36.4	11.4	-	4.9	34.9
	4-DX (2) 2-HW	22.9	25.9	22.9	25.9	25.0	26.1	10.1	9.5	29.6	31.0	36.4	11.4	-	4.9	34.9
	6-DX 2-HW	22.9	25.9	-	-	-	-	9.9	9.9	29.6	31.0	36.4	11.4	-	4.9	34.9
	6-DX (2) 2-HW	22.9	25.9	22.9	25.9	26.6	26.6	9.9	9.9	29.6	31.0	36.4	11.4	-	4.9	34.9
	4-DX 4-HW	22.6	25.6	-	-	-	-	9.9	9.9	33.7	33.8	38.0	23.9	9.9	4.9	34.9
	4-DX (2) 4-HW	22.9	25.9	22.9	25.9	25.0	26.1	10.1	9.5	33.7	33.8	38.0	23.9	9.9	4.9	34.9
BRD 60	4-DX (2) 2-HW	21.5	24.5	21.5	24.5	30.8	30.8	8.3	8.3	31.4	32.4	46.8	27.3	7.8	5.1	33.2
	6-DX (2) 2-HW	21.5	25.8	21.5	25.8	29.9	30.6	8.3	7.6	31.5	32.5	46.8	27.3	7.8	5.1	33.2
	4-DX (2) 4-HW	21.5	24.5	21.5	24.5	30.8	30.8	8.3	8.3	29.3	32.5	46.3	8.3	-	5.1	33.2
BRD 80	4-DX (2) 2-HW	23.0	25.2	23.0	25.2	33.3	33.3	10.8	10.8	29.7	31.1	48.8	10.8	-	6.5	33.5
	6-DX (2) 2-HW	23.7	26.7	23.7	26.7	33.4	33.4	10.8	10.8	32.4	33.8	48.8	10.8	-	6.5	33.5
	4-DX (2) 4-HW	23.0	25.2	23.0	25.2	33.3	33.3	10.8	10.8	30.8	34.0	48.8	10.8	-	6.5	33.5

Note: Internal coil connections. See P. 16 for external coil connections.

BRD DX Hydronic Preheat - Single Wall

Note:
Connections are
internal and do not
exit the cabinet.

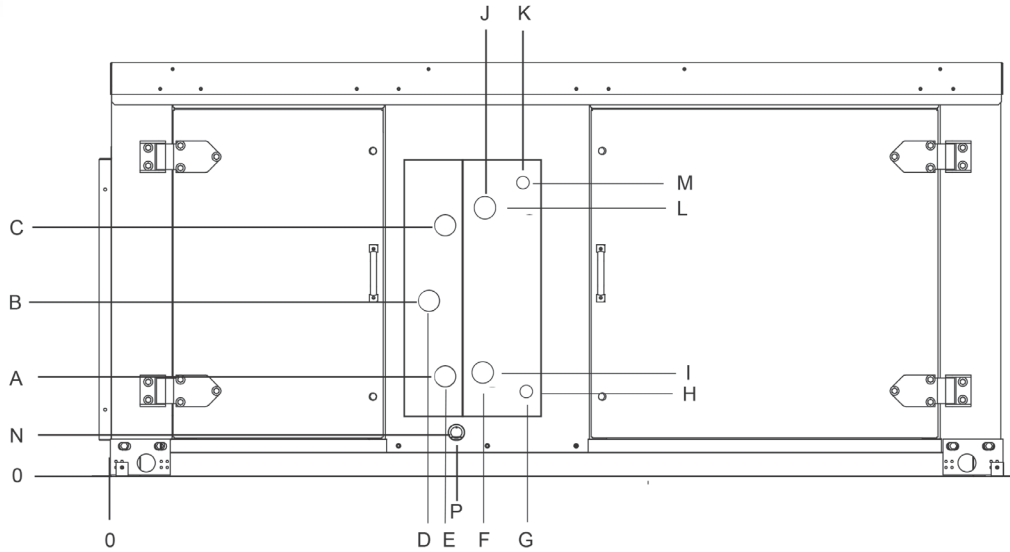


DX And Hydronic Coils/ Preheat / Single Wall																
Unit Size	Coil(s) Rows	A	B	C	D	E	F	G	H	I	J (Dual Circuit)	K (Dual Circuit)	L (Dual Circuit)	M (Dual Circuit)	N	P
BRD 08	2-HW 3-DX	9.9	14.2	18.5	21.7	23.2	26.5	29.5	8.6	9.9	-	-	-	-	4.7	31.0
	2-HW 6-DX	9.9	14.2	18.5	21.7	23.2	25.4	28.4	8.6	9.9	-	-	-	-	4.7	31.0
	2-HW 6-DX (2)	9.9	14.2	18.5	21.7	23.2	25.4	29.6	8.4	9.4	25.4	27.4	16.9	20.0	4.7	31.0
	4-HW 3-DX	9.9	14.2	18.5	22.0	24.5	28.0	31.0	8.6	9.9	-	-	-	-	4.7	31.0
BRD 12	2-HW 3-DX	9.9	14.2	18.5	21.9	23.0	26.5	29.5	8.6	9.9	-	-	-	-	4.7	31.0
	2-HW 6-DX	9.9	14.2	18.5	21.9	23.0	25.5	28.5	8.6	9.9	-	-	-	-	4.7	31.0
	2-HW 6-DX (2)	9.9	14.2	18.5	21.9	23.0	25.4	27.8	8.6	8.6	25.4	27.8	15.4	20.0	4.7	31.0
	4-HW 3-DX	9.9	14.2	18.5	21.9	24.5	28.0	31.0	8.6	9.9	-	-	-	-	4.7	31.0
BRD 16	2-HW 3-DX	9.9	16.2	22.5	21.9	24.5	28.0	30.0	8.6	9.9	-	-	-	-	5.0	33.5
	2-HW 3-DX (2)	9.9	16.2	22.5	21.9	24.5	26.5	28.5	9.9	9.9	26.5	28.5	19.9	19.9	5.0	33.5
	2-HW 6-DX	9.9	16.2	22.5	21.9	24.5	25.4	28.4	8.6	9.9	-	-	-	-	5.0	33.5
	2-HW 6-DX (2)	9.9	16.2	22.5	21.9	24.5	25.4	28.9	8.9	9.9	25.4	27.4	19.9	24.1	5.0	33.5
	4-HW 3-DX	9.9	16.2	22.5	21.9	23.0	29.5	31.5	8.6	9.9	-	-	-	-	5.0	33.5
	4-HW 3-DX (2)	9.9	16.2	22.5	21.9	23.0	28.0	30.0	9.9	9.9	28.0	30.0	19.9	19.9	5.0	33.5
BRD 20	2-HW 3-DX	9.8	16.1	22.4	21.9	23.0	26.6	30.1	9.9	9.9	-	-	-	-	5.0	33.5
	2-HW 3-DX (2)	9.8	16.1	22.4	21.9	23.0	26.5	30.1	9.9	8.6	26.5	30.1	19.8	23.6	5.0	33.5
	2-HW 6-DX	9.8	16.1	22.4	21.9	23.0	25.2	28.2	9.9	7.4	-	-	-	-	5.0	33.5
	2-HW 6-DX (2)	9.8	16.1	22.4	21.9	23.0	25.4	29.7	9.9	8.6	25.4	28.4	19.9	23.6	5.0	33.5
	4-HW 3-DX	9.9	16.2	22.5	21.9	24.5	28.1	31.6	9.9	9.9	-	-	-	-	5.0	33.5
	4-HW 3-DX (2)	9.9	16.2	22.5	21.9	24.5	28.0	31.6	9.9	8.6	28.0	31.6	19.8	23.6	5.0	33.5
BRD 30	2-HW 3-DX	9.7	19.8	29.8	25.8	24.3	27.7	29.7	8.2	8.2	-	-	-	-	4.9	34.9
	2-HW 3-DX (2)	9.7	19.8	29.8	25.8	24.3	27.7	29.4	8.1	8.1	27.7	29.4	23.0	23.0	4.9	34.9
	2-HW 6-DX	9.7	19.8	29.8	25.8	24.3	27.7	30.7	8.2	8.2	-	-	-	-	4.9	34.9
	2-HW 6-DX (2)	9.7	19.8	29.8	25.8	24.3	27.7	30.7	8.2	8.2	27.7	30.7	24.9	24.9	4.9	34.9
	4-HW 3-DX	8.2	19.8	31.3	26.8	26.7	30.1	32.1	8.2	8.2	-	-	-	-	4.9	34.9
	4-HW 3-DX (2)	8.2	19.8	31.3	26.8	26.7	30.1	31.9	8.1	8.1	30.1	31.9	23.0	23.0	4.9	34.9
BRD 40	2-HW 4-DX	9.7	34.7	-	22.8	23.9	26.4	29.4	8.2	8.2	-	-	-	-	4.9	34.9
	2-HW 4-DX (2)	9.7	34.7	-	22.8	23.9	26.4	29.4	8.4	7.8	26.4	29.4	24.4	23.3	4.9	34.9
	2-HW 6-DX	9.7	34.7	-	22.8	23.9	26.4	29.4	8.2	8.2	-	-	-	-	4.9	34.9
	2-HW 6-DX (2)	9.7	34.7	-	22.8	23.9	26.4	29.4	8.2	8.2	26.4	29.4	24.9	24.9	4.9	34.9
	4-HW 4-DX	8.2	22.3	36.3	26.7	26.8	30.1	33.1	8.2	8.2	-	-	-	-	4.9	34.9
	4-HW 4-DX (2)	8.2	22.2	36.3	26.8	26.7	30.1	33.1	8.4	7.8	30.1	33.1	24.4	23.3	4.9	34.9
BRD 60	2-HW 4-DX (2)	8.1	27.6	47.2	24.1	25.2	24.7	27.7	8.6	8.6	24.7	27.7	31.1	31.1	4.9	34.9
	2-HW 6-DX (2)	8.1	27.6	47.2	24.1	25.2	24.7	29.0	8.6	7.9	24.7	29.0	29.9	30.2	4.9	34.9
	4-HW 4-DX (2)	8.6	46.6	-	22.8	24.3	28.4	31.4	8.6	8.6	28.4	31.4	31.1	31.1	4.9	34.9
BRD 80	2-HW 4-DX (2)	10.7	48.7	-	28.1	29.1	31.7	34.0	10.6	10.6	31.7	34.0	33.1	33.1	4.9	34.9
	2-HW 6-DX (2)	10.7	48.7	-	28.1	29.1	32.5	35.5	10.7	10.7	32.5	35.5	33.3	33.3	4.9	34.9
	4-HW 4-DX (2)	10.7	48.7	-	29.8	31.3	35.4	37.6	10.6	10.6	35.4	37.6	33.1	33.1	4.9	34.9

Note: Internal coil connections. See P. 16 for external coil connections.

BRD DX Hydronic Preheat - Double Wall

Note:
Connections are internal and do not exit the cabinet.

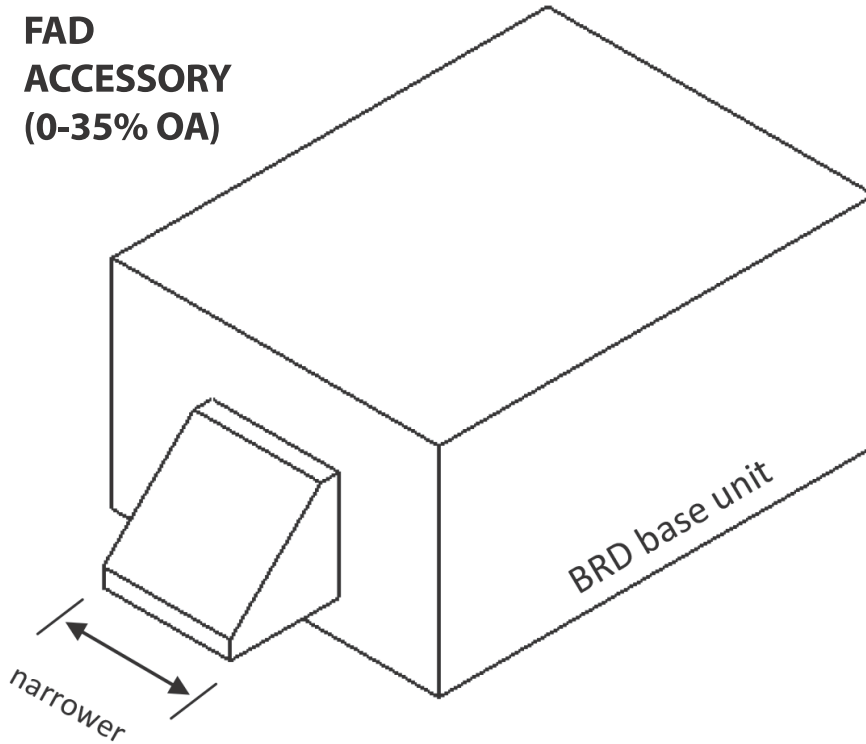


DX And Hydronic Coils/ Preheat / Double Wall																
Unit Size	Coil(s) Rows	A	B	C	D	E	F	G	H	I	J (Dual Circuit)	K (Dual Circuit)	L (Dual Circuit)	M (Dual Circuit)	N	P
BRD 08	2-HW 3-DX	8.4	12.7	17.0	22.3	23.8	27.1	30.1	7.2	8.4	-	-	-	-	4.7	31.0
	2-HW 6-DX	8.4	12.7	17.0	22.3	23.8	25.9	28.9	7.2	8.4	-	-	-	-	4.7	31.0
	2-HW 6-DX (2)	8.4	12.7	17.0	22.3	23.8	25.9	30.2	6.9	7.9	25.9	27.9	15.5	18.6	4.7	31.0
	4-HW 3-DX	8.4	12.7	17.0	22.5	25.0	28.6	31.6	7.2	8.4	-	-	-	-	4.7	31.0
BRD 12	2-HW 3-DX	8.5	12.8	17.1	22.5	23.5	27.1	30.1	7.2	8.4	-	-	-	-	4.7	31.0
	2-HW 6-DX	8.5	12.8	17.1	22.5	23.5	26.0	29.0	7.2	8.4	-	-	-	-	4.7	31.0
	2-HW 6-DX (2)	8.5	12.8	17.1	22.5	23.5	26.0	28.4	7.2	7.2	26.0	28.4	13.9	18.6	4.7	31.0
	4-HW 3-DX	8.4	12.7	17.0	22.5	25.1	28.6	31.6	7.2	8.4	-	-	-	-	4.7	31.0
BRD 16	2-HW 3-DX	8.5	14.8	21.1	23.6	25.1	29.7	31.7	7.2	8.4	-	-	-	-	5.0	33.5
	2-HW 3-DX (2)	8.5	14.8	21.1	23.6	26.2	28.2	30.2	8.5	8.5	28.2	30.2	18.5	18.5	5.0	33.5
	2-HW 6-DX	8.5	14.8	21.1	23.6	26.2	27.1	30.1	7.2	8.4	-	-	-	-	5.0	33.5
	2-HW 6-DX (2)	8.5	14.8	21.1	23.6	26.2	27.1	30.6	7.4	8.4	27.1	29.1	18.4	22.6	5.0	33.5
	4-HW 3-DX	8.4	14.7	21.0	23.6	24.7	31.2	33.2	7.2	8.4	-	-	-	-	5.0	33.5
	4-HW 3-DX (2)	8.4	14.7	21.0	23.6	24.7	29.7	31.7	8.5	8.5	29.7	31.7	18.5	18.5	5.0	33.5
BRD 20	2-HW 3-DX	8.4	14.7	21.0	23.6	24.7	28.3	31.8	8.4	8.4	-	-	-	-	5.0	33.5
	2-HW 3-DX (2)	8.4	14.7	21.0	23.6	24.7	28.2	31.8	8.4	7.2	28.2	31.8	18.3	22.2	5.0	33.5
	2-HW 6-DX	8.4	14.7	21.0	23.6	24.7	26.9	29.9	8.4	5.9	-	-	-	-	5.0	33.5
	2-HW 6-DX (2)	8.4	14.7	21.0	23.6	24.7	27.1	31.4	8.4	7.2	27.1	30.1	18.4	22.2	5.0	33.5
	4-HW 3-DX	8.4	14.7	21.0	23.6	26.2	29.8	33.3	8.4	8.4	-	-	-	-	5.0	33.5
	4-HW 3-DX (2)	8.4	14.7	21.0	23.6	26.2	29.7	33.3	8.4	7.2	29.7	33.3	18.3	22.2	5.0	33.5
BRD 30	2-HW 3-DX	11.4	21.4	31.5	25.9	24.5	27.8	29.8	9.9	9.9	-	-	-	-	4.9	34.9
	2-HW 3-DX (2)	11.4	21.4	31.5	25.9	24.5	27.8	29.6	9.8	9.8	27.8	29.6	24.7	24.7	4.9	34.9
	2-HW 6-DX	11.4	21.4	31.5	25.9	24.5	27.8	30.8	9.9	9.9	-	-	-	-	4.9	34.9
	2-HW 6-DX (2)	11.4	21.4	31.5	25.9	24.5	27.8	30.8	9.9	9.9	27.8	30.8	26.6	26.6	4.9	34.9
	4-HW 3-DX	9.9	21.4	33.0	26.9	26.9	30.3	32.3	9.9	9.9	-	-	-	-	4.9	34.9
	4-HW 3-DX (2)	9.9	21.4	33.0	26.9	26.9	30.3	32.0	9.8	9.8	30.3	32.0	24.7	24.7	4.9	34.9
BRD 40	2-HW 4-DX	11.4	36.4	-	22.9	24.0	26.6	29.6	9.9	9.9	-	-	-	-	4.9	34.9
	2-HW 4-DX (2)	11.4	36.4	-	22.9	24.0	26.6	29.6	10.1	9.5	26.6	29.6	26.1	25.0	4.9	34.9
	2-HW 6-DX	11.4	36.4	-	22.9	24.0	26.6	29.6	9.9	9.9	-	-	-	-	4.9	34.9
	2-HW 6-DX (2)	11.4	36.4	-	22.9	24.0	26.6	29.6	9.9	9.9	26.6	29.6	26.6	26.6	4.9	34.9
	4-HW 4-DX	9.9	23.9	38.0	26.9	26.9	30.3	33.3	9.9	9.9	-	-	-	-	4.9	34.9
	4-HW 4-DX (2)	9.9	23.9	38.0	26.9	26.9	30.3	33.3	10.1	9.5	30.3	33.3	26.1	25.0	4.9	34.9
BRD 60	2-HW 4-DX (2)	7.8	27.3	46.9	24.5	25.6	25.2	28.2	8.3	8.3	25.2	28.2	30.8	30.8	4.9	34.9
	2-HW 6-DX (2)	7.8	27.3	46.9	24.5	25.6	25.2	29.5	8.3	7.6	25.2	29.5	29.6	29.9	4.9	34.9
	4-HW 4-DX (2)	8.3	46.3	-	23.2	24.7	28.8	31.8	8.3	8.3	28.8	31.8	30.8	30.8	4.9	34.9
BRD 80	2-HW 4-DX (2)	10.8	48.8	-	23.1	24.1	26.6	28.9	10.8	10.8	26.6	28.9	33.3	33.3	4.9	34.9
	2-HW 6-DX (2)	10.8	48.8	-	23.1	24.1	27.4	30.4	10.8	10.8	27.4	30.4	33.4	33.4	4.9	34.9
	4-HW 4-DX (2)	10.8	48.8	-	24.7	26.2	30.3	32.6	10.8	10.8	30.3	32.6	33.3	33.3	4.9	34.9

Note: Internal coil connections. See P. 16 for external coil connections.

BR MOAD-FAD Arrangements

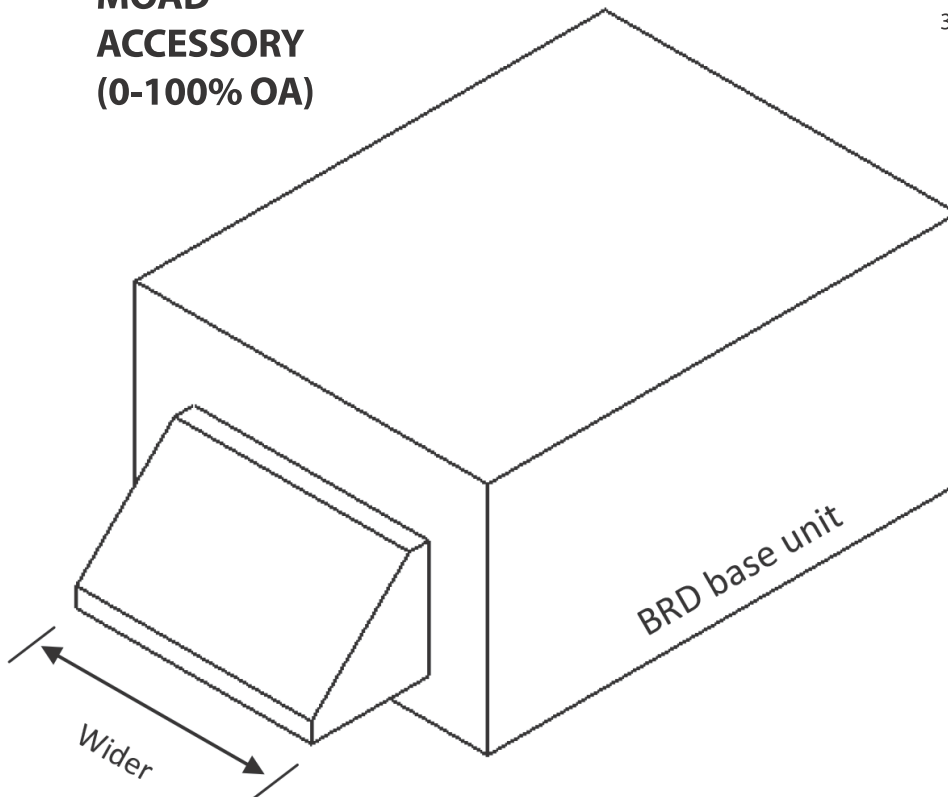
FAD ACCESSORY (0-35% OA)



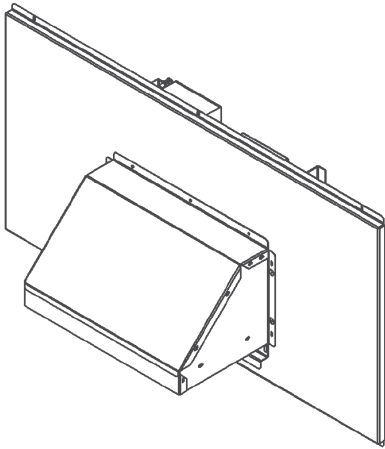
Notes:

1. MOAD/FAD available only with OA, RA, DA arrangement, "C", "D", "H" and "J".
2. Drawings not to scale, for conceptual purposes only.
3. Refer to submittal drawings for dimensions

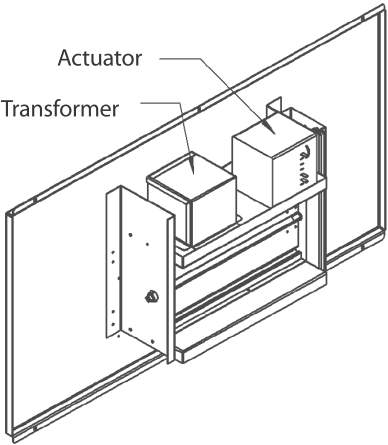
MOAD ACCESSORY (0-100% OA)



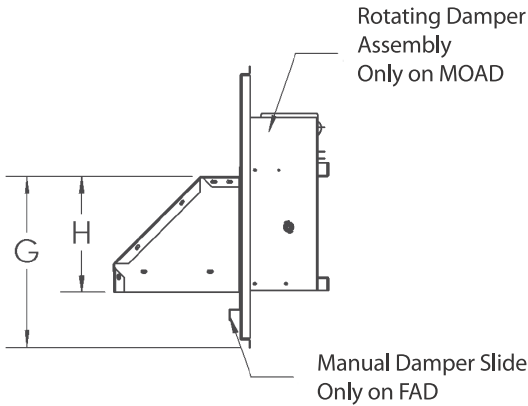
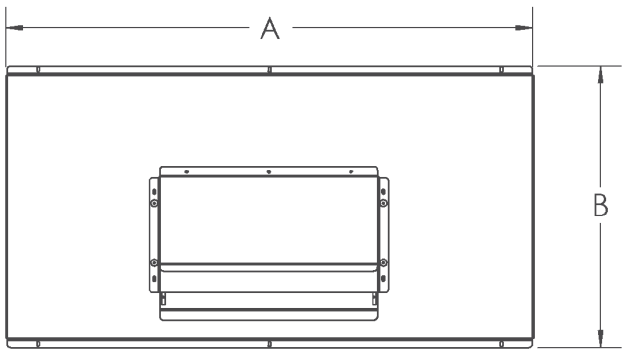
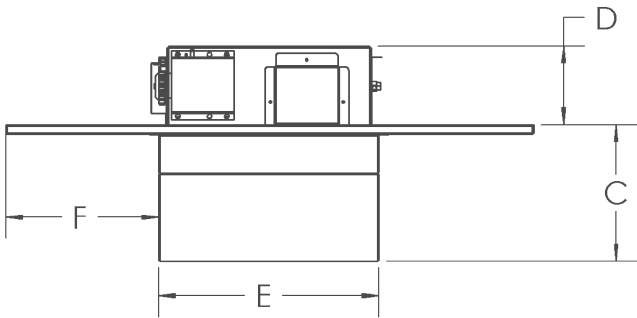
BR-200 Fixed or Motorized 0A



REAR ISOMETRIC VIEW

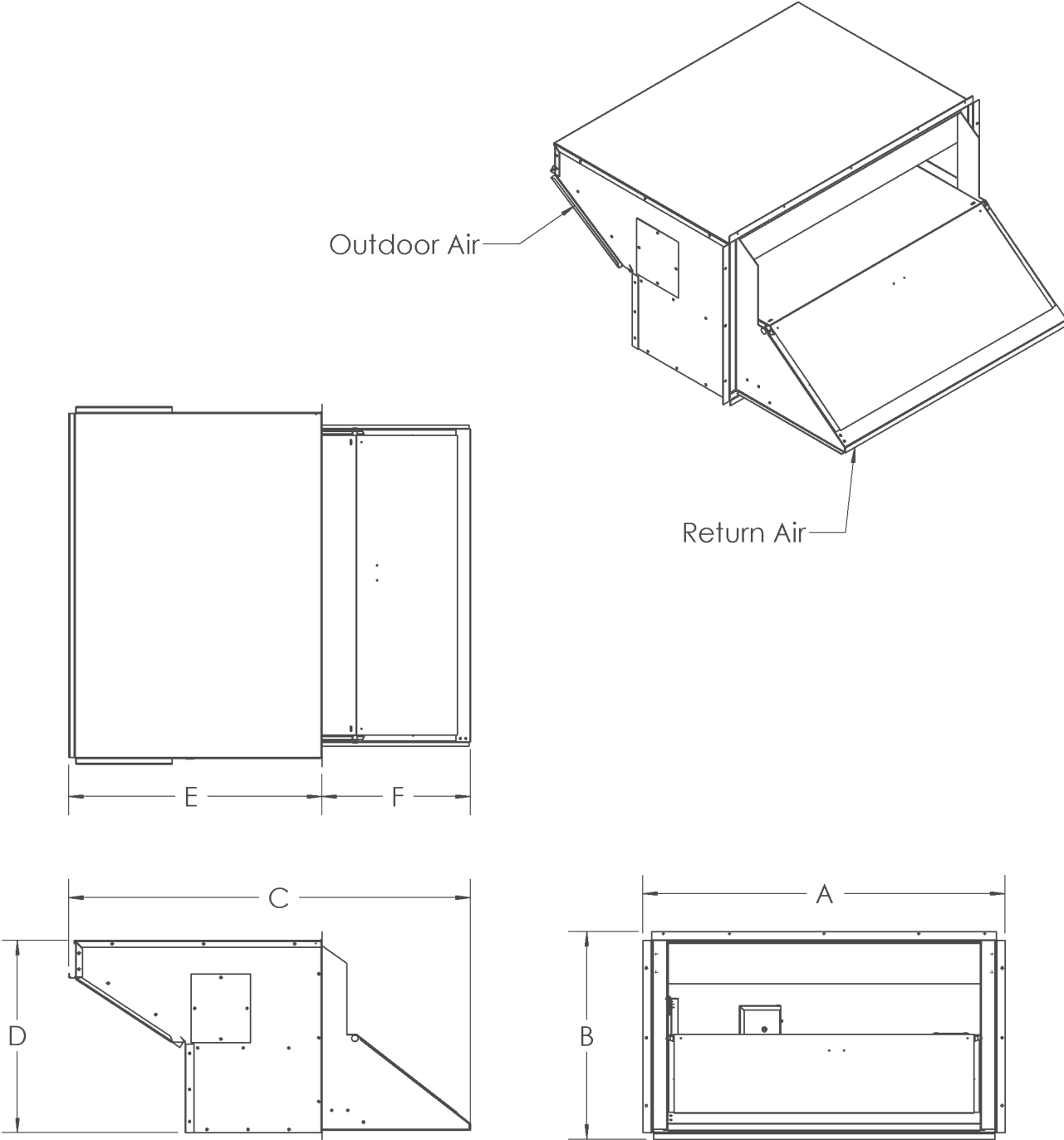


FRONT ISOMETRIC VIEW



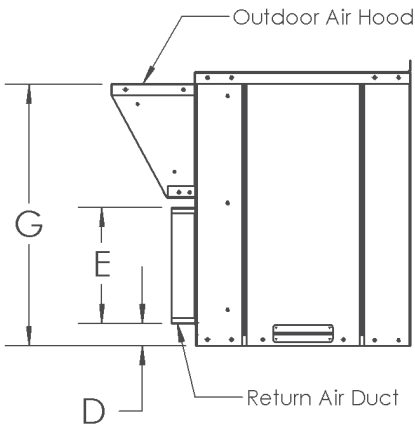
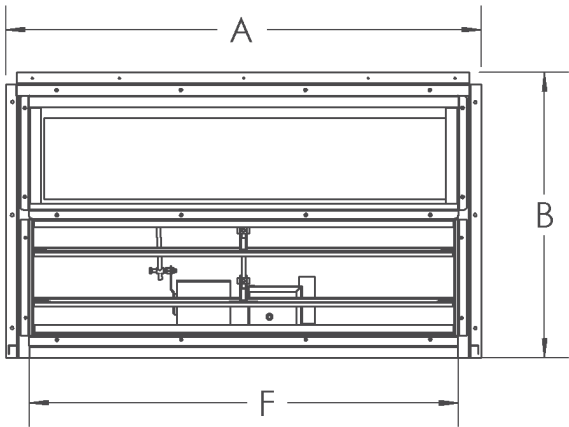
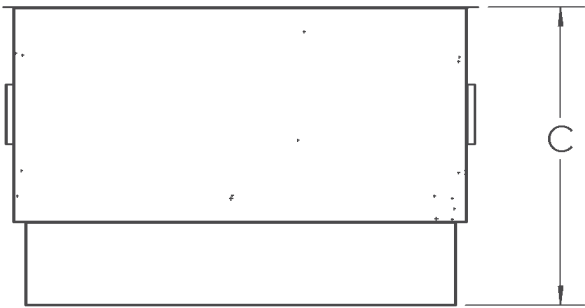
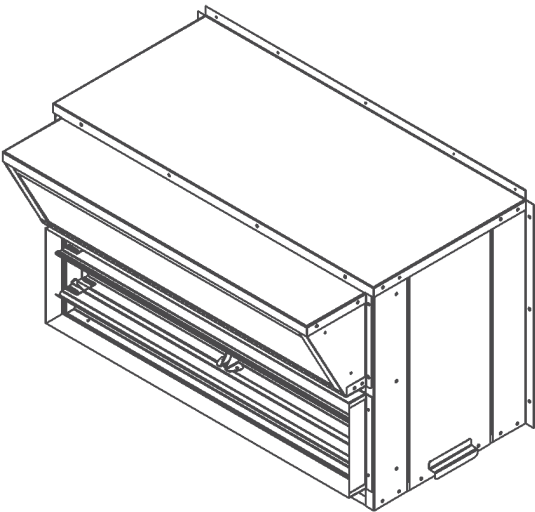
MODEL	A	B	C	D	E	F	G	H
FAD-08/12	28.8	16.1	10.7	5.6	10.3	9.3	12.9	10.1
FAD-16/20	37.8	20.1	9.8	5.6	15.8	11.0	12.2	8.3
FAD-30/40	48.8	26.9	14.5	5.6	25.3	11.8	17.6	14.1
FAD-60	48.8	34.9	19.4	5.6	21.8	13.5	23.2	19.8
FAD-80	30.3	46.8	18.8	5.6	25.3	2.5	32.9	19.8
MOAD-08/12	29.9	19.1	8.7	5.6	24.1	2.9	13.4	10.4
MOAD-16/20	37.8	23.5	14.6	5.6	25.3	6.3	17.3	13.8
MOAD-30/40	48.8	28.4	17.4	5.6	44.4	2.2	21.8	19.6
MOAD-60	48.8	34.9	22.3	5.6	40.5	4.1	28.3	25.8
MOAD-80	30.3	46.8	25.0	5.6	25.2	2.5	38.9	31.8

BR Economizer Package 08-20 Outline



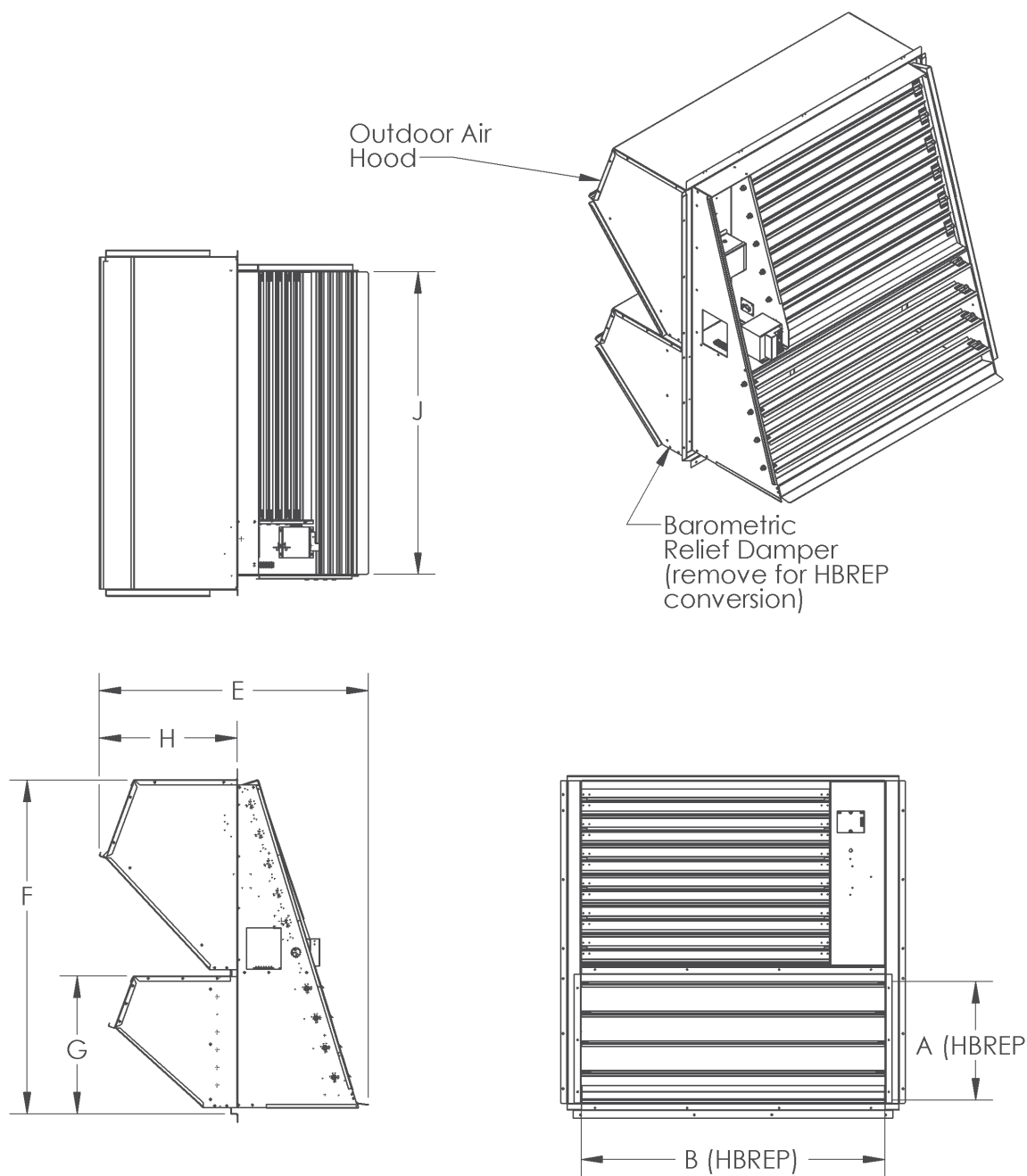
Notes: Does not include barometric relief backdraft damper.

MODEL	A	B	C	D	E	F
UBREP-08/12	32.100	18.940	42.075	17.260	25.950	16.150
UBREP-16/20	39.725	22.825	44.025	21.125	27.750	16.250



MODEL	A	B	C	D	E	F	G
HBREP-08/12	30.6	19.9	26.1	2.0	7.7	26.2	19.9
HBREP-16/20	39.9	18.0	25.0	1.8	9.9	40.0	22.1

BR Economizer Package 30-80



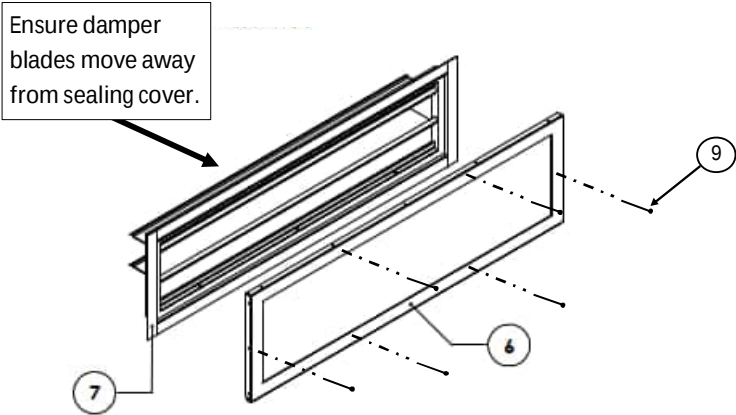
MODEL	A	B	C	D	E	F	G	H	J
UBREP/HBREP-30/40	13.8	44.1	50.0	37.8	35.2	34.9	15.4	16.5	48.3
UBREP/HBREP-60	18.8	44.1	50.0	51.3	39.0	48.6	20.1	20.0	48.3
UBREP/HBREP-80	19.0	62.9	69.0	50.1	43.4	45.1	20.1	20.0	66.1

BR ECON Barometric Hood Assembly

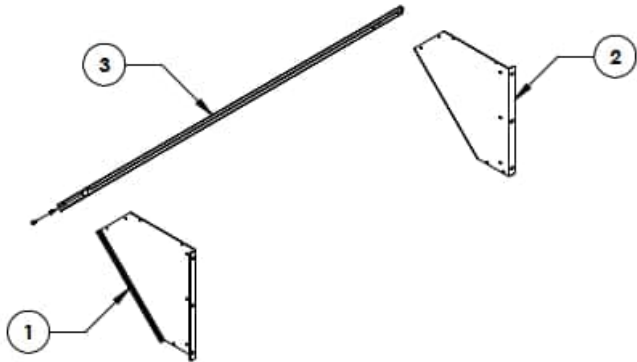
ITEM #	DESCRIPTION	QTY
1	HOOD, SIDE RH	1
2	HOOD, SIDE LH	1
3	HOOD, FRONT	1
4	HOOD, TOP	1
5	HOOD, BOTTOM	1
6	COVER, SEALING	1
7	DAMPER	1
8	SCREWS: #8 X 3/4" SMS	BY SIZE
9	#8 X 3/4" SELF-DRILL SMS	BY SIZE

PROCEDURE:

STEP 1:
ATTACH DAMPER TO THE SEAL PLATE USING SELF TAP SCREWS:



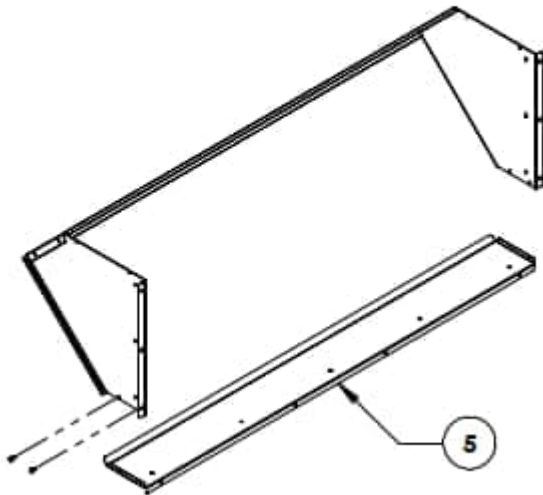
STEP 2:
ATTACH SIDE PLATES TO THE FRONT PLATE.



BR ECON Barometric Hood Assembly

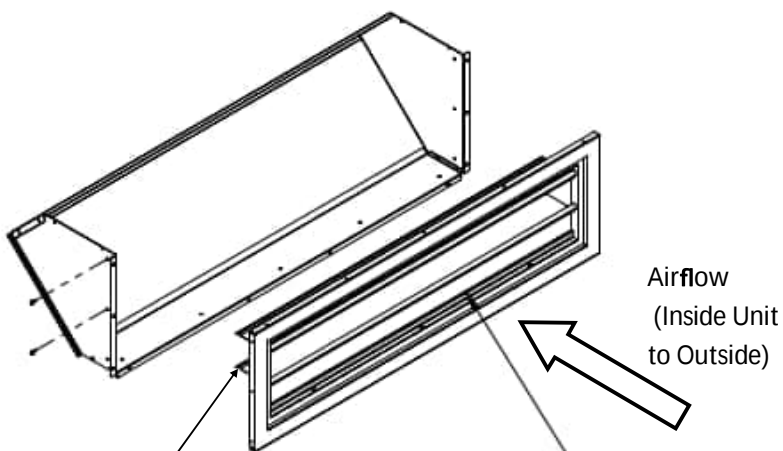
STEP 3:

ATTACH BOTTOM PLATE TO THE SIDE'S.



STEP 4:

ATTACH PRE ASSEMBLED DAMPER ASSY TO THE SIDES AND BOTTOM.



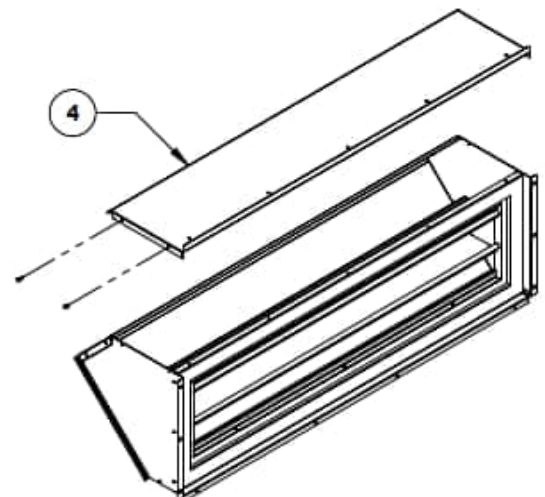
Make sure blades move *towards* hood (Parts 1-3 and 5) and away from sealing cover (Part 6)

Airflow
(Inside Unit
to Outside)

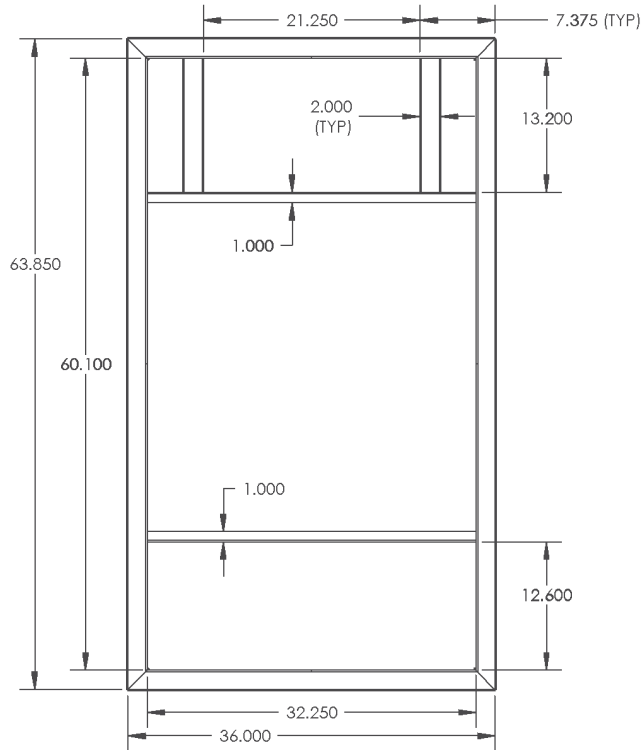
**ENSURE BLADES ARE CLOSED
WHEN ASSEMBLY IS IN INSTALLED
ORIENTATION.**

STEP 5:

ATTACH TOP PLATE TO THE SIDES AND DAMPER.

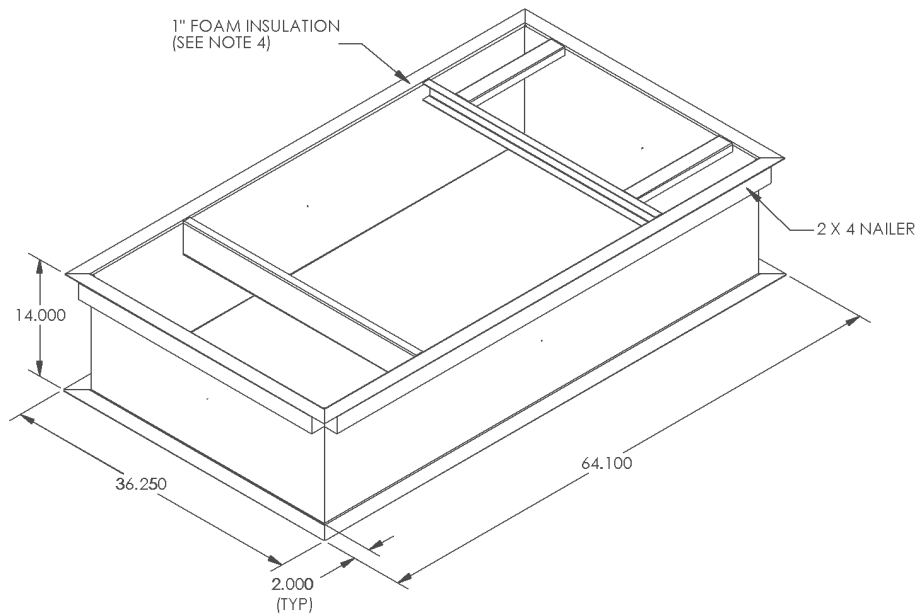


RC0812-Roof Curb (for BRD 08 and 12)

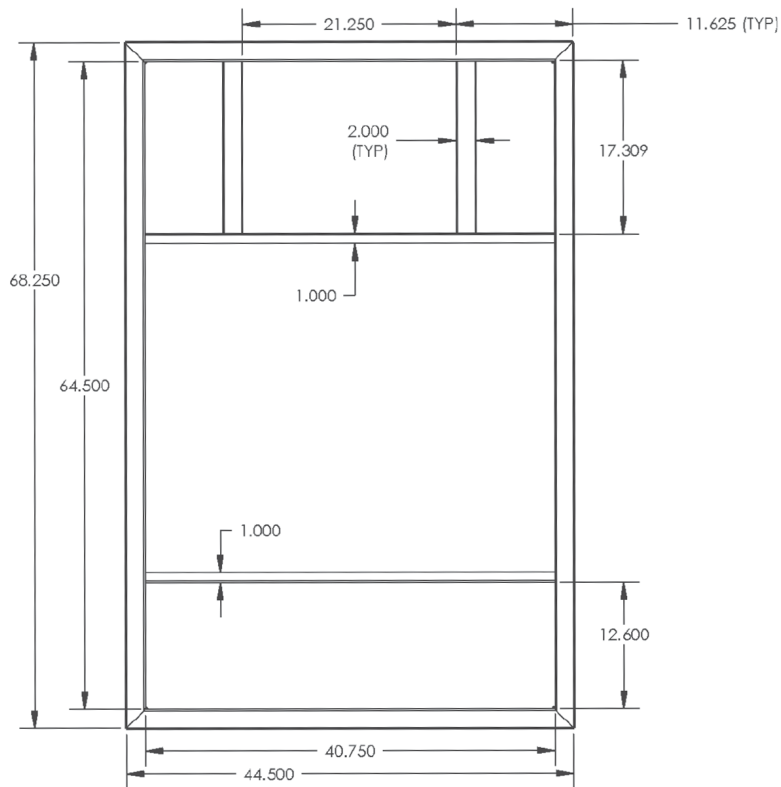


Notes:

1. All dimensions are in inches unless otherwise stated.
2. All dimensions are from outside to outside unless otherwise stated.
3. Wood or fiber cant, roofing felts, curb to roof fasteners, caulking and other roofing materials to be field supplied.
4. Provided with 1" foam insulation (not shown) around top of curb and cross channels.

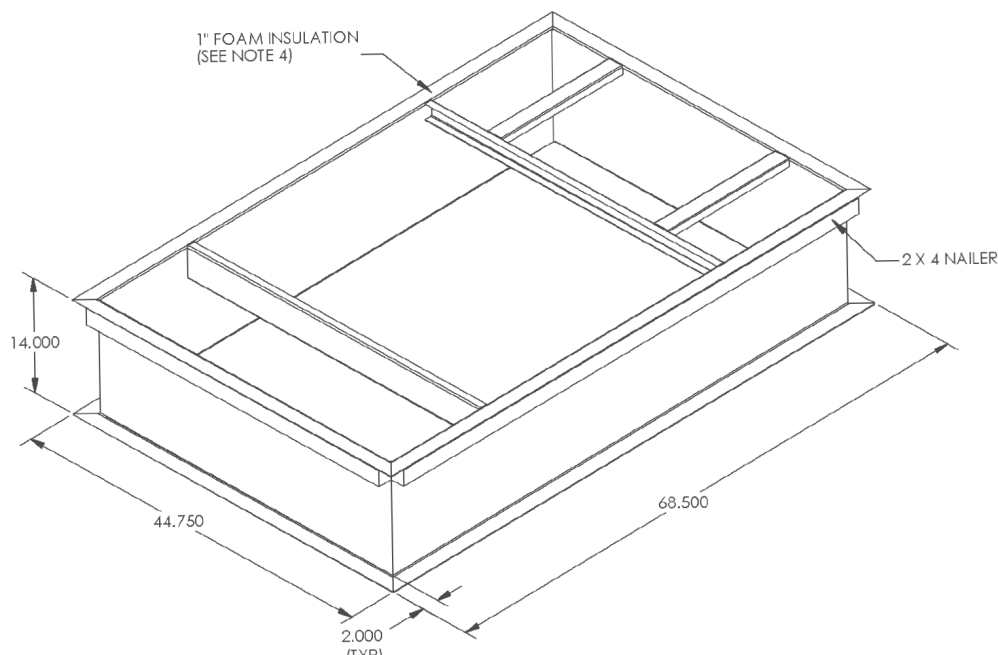


RC1620-Roof Curb (for BRD 16 and 20)

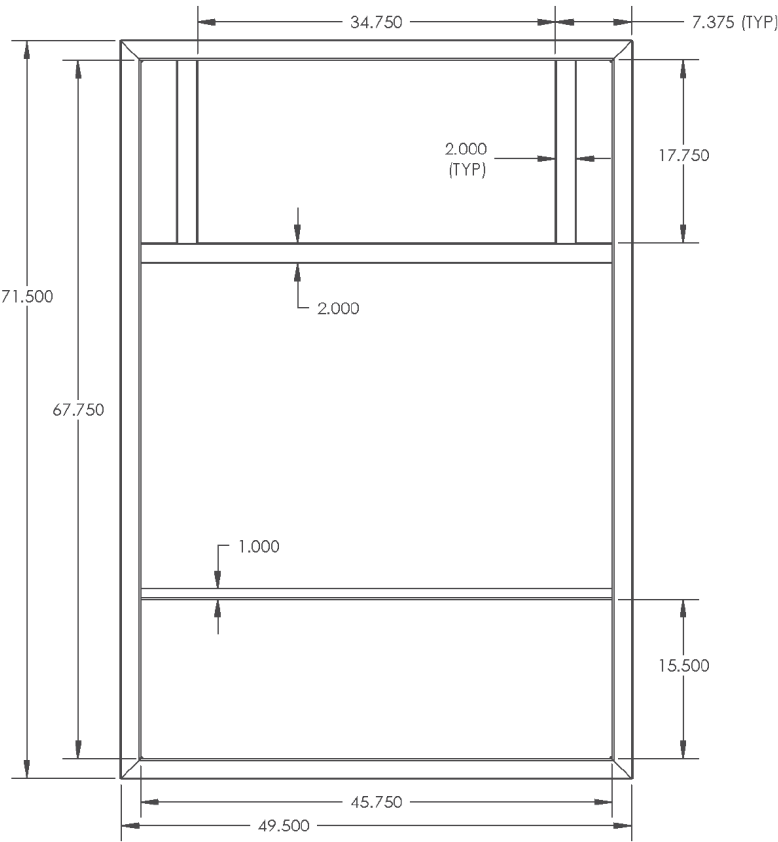


Notes:

- 1. All dimensions are in inches unless otherwise stated.
- 2. All dimensions are from outside to outside unless otherwise stated.
- 3. Wood or fiber cant, roofing felts, curb to roof fasteners, caulking and other roofing materials to be field supplied.
- 4. Provided with 1" foam insulation (not shown) around top of curb and cross channels.

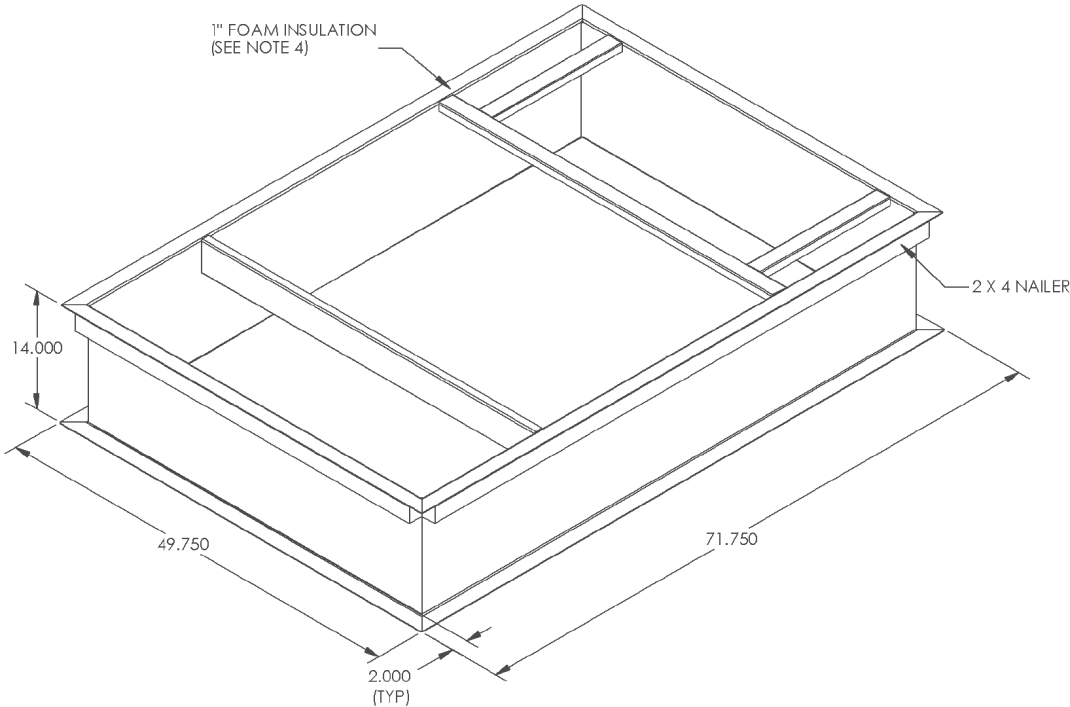


RC304060-Roof Curb (for BRD 30, 40 and 60)

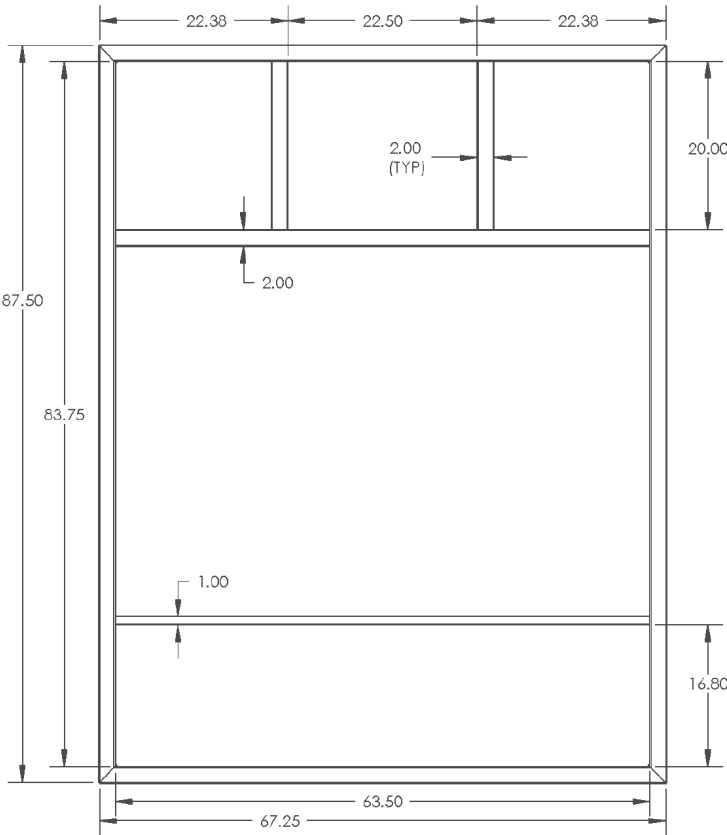


Notes:

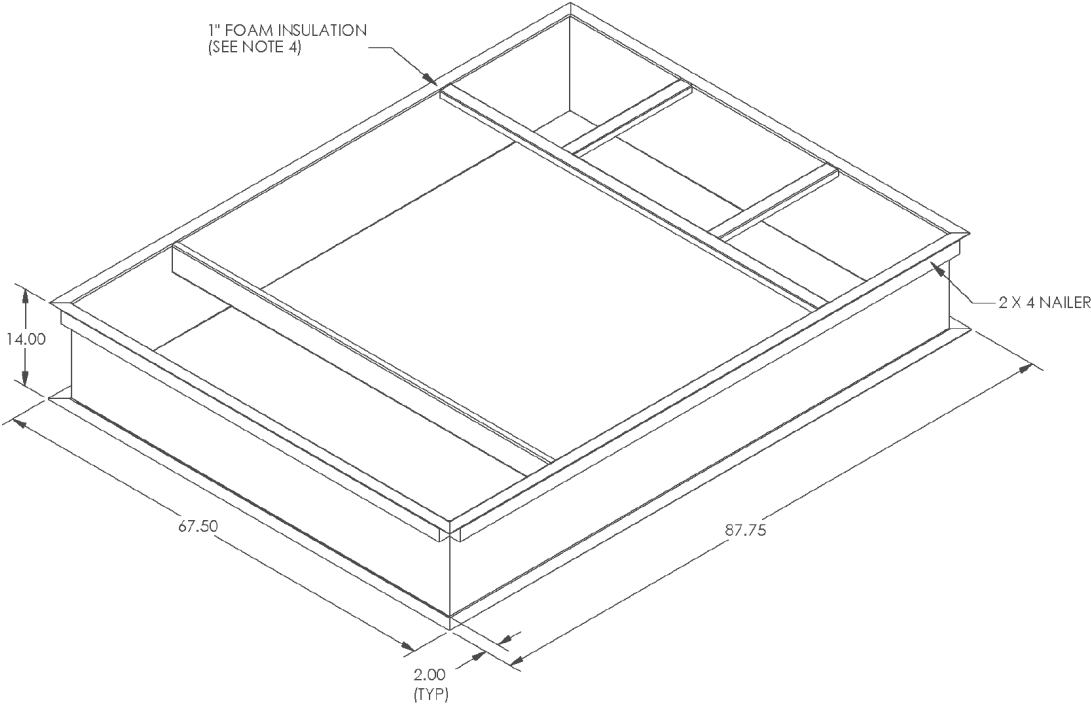
- 1. All dimensions are in inches unless otherwise stated.
- 2. All dimensions are from outside to outside unless otherwise stated.
- 3. Wood or fiber cant, roofing felts, curb to roof fasteners, caulking and other roofing materials to be field supplied.
- 4. Provided with 1" foam insulation (not shown) around top of curb and cross channels.



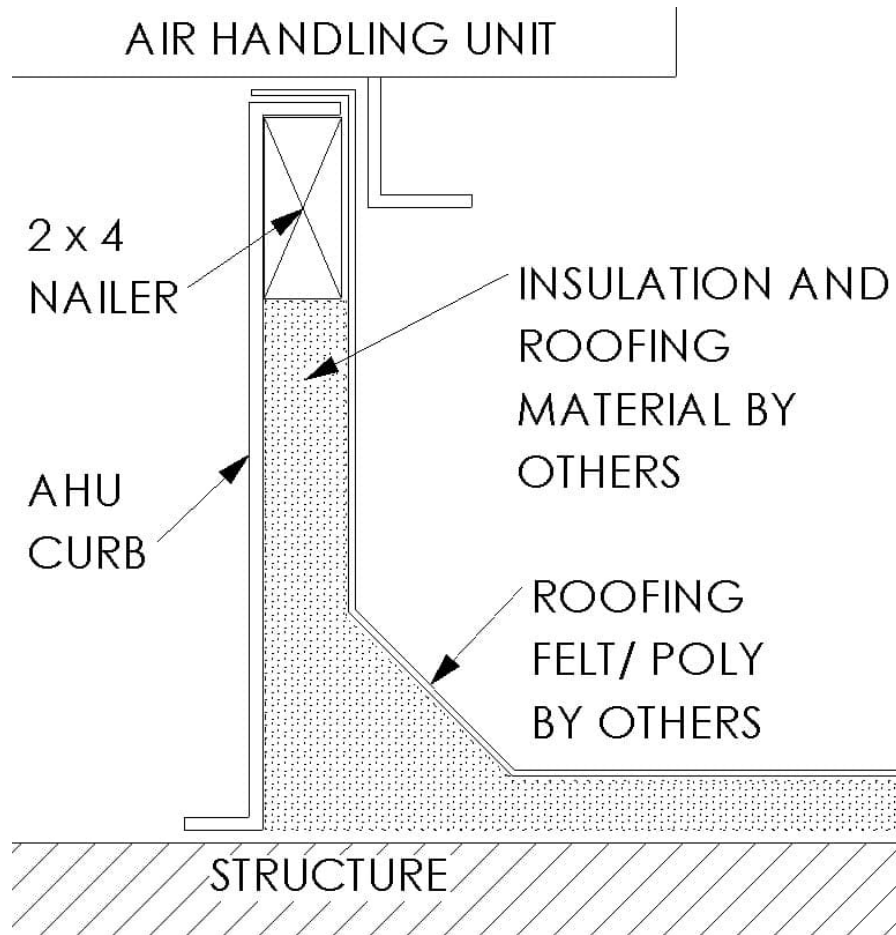
RC80-Roof Curb (for BRD 80)



- Notes:
- 1. All dimensions are in inches unless otherwise stated.
 - 2. All dimensions are from outside to outside unless otherwise stated.
 - 3. Wood or fiber cant, roofing felts, curb to roof fasteners, caulking and other roofing materials to be field supplied.
 - 4. Provided with 1" foam insulation (not shown) around top of curb and cross channels.



BRD Roof Curb Detail



Notes:

1. Not to scale.
2. AHU curb accessory with wood nailer is provided by the AHU manufacturer.
All other components shown are specified, provided and installed by others.
3. Roof modifications must be undertaken only with approval of the architect and structural engineer.

Filter & Outdoor Air Pressure Drop							
UNIT MODEL	CFM	FILTERS		ECONOMIZER / RETURN AIR / OUTDOOR AIR ARRANGEMENTS			
		STD T/A	PLEATED	100% RA	100% OA	UBREP*	HBREP*
BRC-08	600	0.13	0.14	0.03	-0.00	0.04	0.09
	650	0.15	0.15	0.03	-0.00	0.04	0.10
	700	0.17	0.17	0.04	0.00	0.05	0.12
	750	0.18	0.19	0.04	0.00	0.05	0.13
	800	0.20	0.21	0.05	0.01	0.06	0.14
	850	0.22	0.23	0.06	0.01	0.06	0.15
	900	0.24	0.26	0.06	0.01	0.07	0.16
	950	0.25	0.28	0.07	0.02	0.07	0.18
	1000	0.27	0.31	0.08	0.02	0.08	0.19
BRC-12	900	0.13	0.13	0.06	0.01	0.07	0.16
	960	0.14	0.15	0.07	0.02	0.08	0.18
	1020	0.15	0.16	0.08	0.03	0.08	0.19
	1080	0.17	0.17	0.09	0.03	0.09	0.21
	1140	0.18	0.19	0.10	0.04	0.10	0.23
	1200	0.19	0.21	0.11	0.05	0.10	0.24
	1260	0.21	0.22	0.12	0.05	0.11	0.26
	1320	0.22	0.24	0.13	0.06	0.12	0.28
	1380	0.24	0.26	0.14	0.07	0.13	0.30
	1440	0.25	0.28	0.15	0.08	0.14	0.32
	1500	0.27	0.30	0.16	0.09	0.15	0.34
BRC-16	1200	0.13	0.13	0.06	0.00	0.07	0.11
	1280	0.14	0.15	0.07	0.01	0.08	0.12
	1360	0.16	0.16	0.08	0.01	0.09	0.13
	1440	0.17	0.18	0.09	0.01	0.10	0.14
	1520	0.18	0.19	0.10	0.02	0.10	0.15
	1600	0.20	0.21	0.11	0.02	0.11	0.17
	1680	0.21	0.23	0.12	0.03	0.12	0.18
	1760	0.23	0.25	0.13	0.03	0.13	0.19
	1840	0.24	0.26	0.14	0.04	0.14	0.20
	1920	0.26	0.28	0.15	0.04	0.15	0.21
	2000	0.27	0.30	0.17	0.05	0.16	0.23
BRC-20	1500	0.13	0.14	0.10	0.02	0.10	0.15
	1600	0.15	0.15	0.11	0.02	0.11	0.17
	1700	0.16	0.16	0.12	0.03	0.12	0.18
	1800	0.17	0.18	0.14	0.03	0.14	0.20
	1900	0.19	0.20	0.15	0.04	0.15	0.21
	2000	0.20	0.21	0.17	0.05	0.16	0.23
	2100	0.21	0.23	0.18	0.06	0.17	0.24
	2200	0.23	0.25	0.20	0.07	0.19	0.26
	2300	0.24	0.27	0.22	0.08	0.20	0.28
	2400	0.26	0.29	0.24	0.09	0.22	0.30
	2500	0.27	0.31	0.26	0.10	0.23	0.32

Notes:

1. All values are in inches wc.

*2. Air pressure drop for HBREP/UBREP are maximum values.

Filter & Outdoor Air Pressure Drop							
UNIT MODEL	CFM	FILTERS		ECONOMIZER / RETURN AIR / OUTDOOR AIR ARRANGEMENTS			
		STD T/A	PLEATED	100% RA	100% OA	UBREP*	HBREP*
BRC-30	2250	0.12	0.12	0.10	0.01	0.17	0.17
	2400	0.13	0.13	0.11	0.01	0.19	0.20
	2550	0.14	0.15	0.12	0.02	0.22	0.22
	2700	0.15	0.16	0.14	0.02	0.25	0.25
	2850	0.17	0.17	0.15	0.03	0.28	0.28
	3000	0.18	0.19	0.17	0.03	0.31	0.31
	3150	0.19	0.20	0.18	0.04	0.35	0.35
	3300	0.20	0.22	0.20	0.04	0.38	0.38
	3450	0.22	0.23	0.22	0.05	0.42	0.42
	3600	0.23	0.25	0.23	0.06	0.46	0.46
	3750	0.24	0.27	0.25	0.07	0.51	0.50
BRC-40	3000	0.14	0.15	0.17	0.03	0.31	0.31
	3200	0.16	0.16	0.19	0.04	0.36	0.36
	3400	0.17	0.18	0.21	0.05	0.41	0.41
	3600	0.18	0.20	0.23	0.06	0.46	0.46
	3800	0.20	0.21	0.26	0.07	0.52	0.51
	4000	0.21	0.23	0.29	0.08	0.58	0.57
	4200	0.23	0.25	0.32	0.09	0.65	0.62
	4400	0.25	0.27	0.35	0.10	0.71	0.69
	4600	0.26	0.29	0.38	0.12	0.78	0.75
	4800	0.28	0.31	0.41	0.13	0.86	0.82
	5000	0.30	0.34	0.44	0.14	0.93	0.89
BRC-60	5000	0.19	0.20	0.44	0.06	0.45	0.44
	5200	0.20	0.22	0.48	0.07	0.49	0.48
	5400	0.21	0.23	0.51	0.08	0.53	0.51
	5600	0.23	0.25	0.55	0.09	0.57	0.55
	5800	0.24	0.26	0.59	0.10	0.61	0.60
	6000	0.25	0.28	0.63	0.11	0.66	0.64
	6200	0.26	0.29	0.67	0.12	0.71	0.68
	6400	0.27	0.31	0.72	0.13	0.76	0.73
	6600	0.29	0.32	0.76	0.14	0.81	0.77
	6800	0.30	0.34	0.81	0.15	0.86	0.82
	7000	0.31	0.36	0.85	0.16	0.91	0.87
BRC-80	7000	0.20	0.21	0.23	0.01	0.52	0.51
	7200	0.21	0.22	0.24	0.01	0.55	0.54
	7400	0.22	0.23	0.25	0.02	0.58	0.57
	7600	0.22	0.24	0.27	0.02	0.62	0.60
	7800	0.23	0.25	0.28	0.02	0.65	0.63
	8000	0.24	0.26	0.30	0.02	0.69	0.66
	8200	0.25	0.28	0.31	0.03	0.72	0.70
	8400	0.26	0.29	0.32	0.03	0.76	0.73
	8600	0.27	0.30	0.34	0.03	0.80	0.77
	8800	0.28	0.31	0.35	0.03	0.84	0.81
	9000	0.29	0.32	0.37	0.04	0.88	0.84

Notes:

1. All values are in inches wc.

*2. Air pressure drop for HBREP/UBREP are maximum values.

Coil Air Flow Pressure Drop									
UNIT MODEL	BLOWER SIZE	CFM	CHILLED WATER/HOT WATER			DX		STEAM	
			2 ROW	4 ROW	6 ROW	STD CAP	HIGH CAP	STD CAP	HIGH CAP
BRD-08	10 X 6	600	0.04	0.10	0.21	0.07	0.21	0.05	0.09
		650	0.05	0.10	0.23	0.09	0.23	0.06	0.11
		700	0.06	0.11	0.25	0.10	0.25	0.06	0.12
		750	0.07	0.12	0.27	0.12	0.27	0.07	0.14
		800	0.08	0.12	0.29	0.14	0.29	0.08	0.15
		850	0.09	0.13	0.31	0.16	0.31	0.09	0.17
		900	0.10	0.14	0.33	0.18	0.33	0.10	0.19
		950	0.11	0.15	0.35	0.20	0.35	0.11	0.20
		1000	0.12	0.15	0.37	0.23	0.37	0.12	0.22
BRD-12	10 X 6	900	0.03	0.10	0.21	0.07	0.21	0.05	0.09
		960	0.04	0.10	0.22	0.08	0.22	0.05	0.10
		1020	0.05	0.11	0.24	0.09	0.24	0.06	0.11
		1080	0.06	0.11	0.25	0.11	0.25	0.07	0.12
		1140	0.07	0.12	0.27	0.12	0.27	0.07	0.14
		1200	0.07	0.12	0.28	0.14	0.28	0.08	0.15
		1260	0.08	0.13	0.30	0.15	0.30	0.09	0.16
		1320	0.09	0.13	0.31	0.17	0.31	0.09	0.17
		1380	0.10	0.14	0.33	0.18	0.33	0.10	0.19
		1440	0.10	0.14	0.34	0.20	0.34	0.11	0.20
BRD-16	12 X 6	1500	0.11	0.15	0.36	0.22	0.36	0.12	0.22
		1200	0.05	0.10	0.21	0.07	0.21	0.05	0.10
		1280	0.05	0.10	0.22	0.08	0.22	0.06	0.11
		1360	0.05	0.11	0.24	0.10	0.24	0.06	0.12
		1440	0.06	0.11	0.25	0.11	0.25	0.07	0.14
		1520	0.06	0.12	0.27	0.12	0.27	0.08	0.15
		1600	0.06	0.12	0.28	0.14	0.28	0.09	0.16
		1680	0.06	0.13	0.30	0.15	0.30	0.10	0.18
		1760	0.07	0.13	0.31	0.17	0.31	0.10	0.19
		1840	0.07	0.14	0.33	0.19	0.33	0.11	0.21
BRD-20	12 X 9	1920	0.07	0.15	0.35	0.20	0.35	0.12	0.22
		2000	0.08	0.15	0.36	0.22	0.36	0.13	0.24
		1500	0.05	0.10	0.21	0.07	0.21	0.05	0.10
		1600	0.05	0.10	0.23	0.08	0.23	0.06	0.11
		1700	0.05	0.11	0.24	0.10	0.24	0.07	0.13
		1800	0.06	0.11	0.26	0.11	0.26	0.07	0.14
		1900	0.06	0.12	0.27	0.13	0.27	0.08	0.15
		2000	0.06	0.12	0.29	0.14	0.29	0.09	0.16
		2100	0.07	0.13	0.30	0.16	0.30	0.10	0.18
		2200	0.07	0.14	0.32	0.17	0.32	0.10	0.19
		2300	0.07	0.14	0.33	0.19	0.33	0.11	0.21
		2400	0.07	0.15	0.35	0.21	0.35	0.12	0.22
		2500	0.08	0.15	0.37	0.23	0.37	0.13	0.24

Notes:

1. All values are in inches wc.
2. Air pressure drops are with dry coil.

Coil Air Flow Pressure Drop									
UNIT MODEL	BLOWER SIZE	CFM	CHILLED WATER/HOT WATER			DX		STEAM	
			2 ROW	4 ROW	6 ROW	STD CAP	HIGH CAP	STD CAP	HIGH CAP
BRD-30	15 X 9	2250	0.05	0.09	0.20	0.06	0.14	0.04	0.08
		2400	0.05	0.10	0.21	0.07	0.17	0.05	0.09
		2550	0.05	0.10	0.22	0.08	0.20	0.05	0.10
		2700	0.05	0.11	0.24	0.09	0.23	0.06	0.11
		2850	0.06	0.11	0.25	0.11	0.27	0.06	0.12
		3000	0.06	0.12	0.26	0.12	0.30	0.07	0.13
		3150	0.06	0.12	0.28	0.13	0.33	0.08	0.14
		3300	0.06	0.13	0.29	0.15	0.36	0.08	0.15
		3450	0.07	0.13	0.31	0.16	0.39	0.09	0.17
		3600	0.07	0.14	0.32	0.18	0.42	0.10	0.18
		3750	0.07	0.14	0.33	0.19	0.45	0.10	0.19
BRD-40	15 X 9	3000	0.05	0.10	0.22	0.16	0.21	0.05	0.10
		3200	0.05	0.11	0.24	0.18	0.24	0.06	0.11
		3400	0.06	0.11	0.25	0.20	0.28	0.07	0.13
		3600	0.06	0.12	0.27	0.23	0.31	0.07	0.14
		3800	0.06	0.12	0.29	0.26	0.35	0.08	0.15
		4000	0.07	0.13	0.30	0.28	0.39	0.09	0.17
		4200	0.07	0.14	0.32	0.31	0.42	0.10	0.18
		4400	0.07	0.14	0.34	0.34	0.46	0.11	0.19
		4600	0.07	0.15	0.35	0.37	0.50	0.11	0.21
		4800	0.08	0.15	0.37	0.40	0.53	0.12	0.23
		5000	0.08	0.16	0.39	0.43	0.57	0.13	0.24
BRD-60	15 X 15	5000	0.06	0.12	0.28	0.16	0.33	0.07	0.14
		5200	0.06	0.13	0.29	0.17	0.36	0.08	0.15
		5400	0.07	0.13	0.30	0.19	0.38	0.09	0.16
		5600	0.07	0.13	0.32	0.20	0.41	0.09	0.17
		5800	0.07	0.14	0.33	0.21	0.44	0.10	0.18
		6000	0.07	0.14	0.34	0.23	0.47	0.10	0.19
		6200	0.07	0.15	0.35	0.24	0.49	0.11	0.20
		6400	0.08	0.15	0.37	0.26	0.52	0.12	0.21
		6600	0.08	0.16	0.38	0.27	0.55	0.12	0.22
		6800	0.08	0.16	0.39	0.28	0.58	0.13	0.23
		7000	0.08	0.17	0.41	0.30	0.60	0.14	0.25
BRD-80	18 X 18	7000	0.06	0.12	0.29	0.25	0.48	0.07	0.14
		7200	0.06	0.13	0.29	0.27	0.51	0.08	0.14
		7400	0.07	0.13	0.30	0.28	0.53	0.08	0.15
		7600	0.07	0.13	0.31	0.30	0.56	0.08	0.16
		7800	0.07	0.14	0.32	0.31	0.59	0.09	0.17
		8000	0.07	0.14	0.33	0.33	0.62	0.09	0.17
		8200	0.07	0.14	0.34	0.35	0.64	0.10	0.18
		8400	0.07	0.15	0.35	0.36	0.67	0.10	0.19
		8600	0.08	0.15	0.36	0.38	0.70	0.11	0.19
		8800	0.08	0.15	0.37	0.40	0.73	0.11	0.20
		9000	0.08	0.16	0.38	0.41	0.76	0.11	0.21

Notes:

1. All values are in inches wc.
2. Air pressure drops are with dry coil.

BRD 08 Fan Performance

BRD-08 Fan Performance																
Total Static Pressure (in. wg)																
CFM	0.60		0.80		1.00		1.20		1.40		1.60		1.80		2.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700	851	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
750	857	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
800	865	0.19	966	0.24	-	-	-	-	-	-	-	-	-	-	-	-
850	873	0.21	972	0.26	1064	0.31	-	-	-	-	-	-	-	-	-	-
900	882	0.24	979	0.28	1070	0.33	-	-	-	-	-	-	-	-	-	-
950	891	0.26	987	0.31	1076	0.35	1159	0.41	-	-	-	-	-	-	-	-
960	893	0.26	989	0.31	1078	0.36	1161	0.41	-	-	-	-	-	-	-	-
1000	901	0.28	996	0.33	1084	0.38	1166	0.44	1243	0.49	-	-	-	-	-	-
1020	906	0.29	1000	0.34	1087	0.39	1168	0.45	1245	0.50	-	-	-	-	-	-
1080	919	0.33	1011	0.38	1097	0.43	1177	0.49	1253	0.54	1325	0.60	-	-	-	-
1140	933	0.36	1023	0.42	1107	0.47	1186	0.53	1261	0.59	1332	0.65	1401	0.71	-	-
1200	949	0.40	1037	0.46	1119	0.52	1197	0.58	1270	0.63	1341	0.70	1408	0.76	1473	0.83

- Notes:
- 1. Table BHP values do not include drive loss. When selecting fan motor, add 5% to BHP table value to include drive loss.
 - 2. Refer to New Magic 4 software for AHRI 430 certified fan performance data output.

BRD 12 Fan Performance

BRD-12 Fan Performance										
Total Static Pressure (in. wg)										
CFM	0.60		0.80		1.00		1.20		1.40	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
900	882	0.24	979	0.28	1070	0.33	-	-	-	-
950	891	0.26	987	0.31	1076	0.35	1159	0.41	-	-
960	893	0.26	989	0.31	1078	0.36	1161	0.41	-	-
1000	901	0.28	996	0.33	1084	0.38	1166	0.44	1243	0.49
1020	906	0.29	1000	0.34	1087	0.39	1168	0.45	1245	0.50
1080	919	0.33	1011	0.38	1097	0.43	1177	0.49	1253	0.54
1140	933	0.36	1023	0.42	1107	0.47	1186	0.53	1261	0.59
1200	949	0.40	1037	0.46	1119	0.52	1197	0.58	1270	0.63
1260	965	0.44	1050	0.50	1131	0.56	1208	0.63	1280	0.69
1320	981	0.49	1065	0.55	1144	0.62	1220	0.68	1291	0.74
1380	999	0.53	1081	0.60	1158	0.67	1232	0.74	1303	0.80
1440	1017	0.58	1097	0.66	1173	0.73	1245	0.80	1315	0.86
1500	1036	0.64	1114	0.71	1188	0.79	1259	0.86	1327	0.93

BRD-12 Fan Performance										
Total Static Pressure (in. wg)										
CFM	1.60		1.80		2.00		2.20		2.40	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
900	-	-	-	-	-	-	-	-	-	-
950	-	-	-	-	-	-	-	-	-	-
960	-	-	-	-	-	-	-	-	-	-
1000	-	-	-	-	-	-	-	-	-	-
1020	-	-	-	-	-	-	-	-	-	-
1080	1325	0.60	-	-	-	-	-	-	-	-
1140	1332	0.65	1401	0.71	-	-	-	-	-	-
1200	1341	0.70	1408	0.76	1473	0.83	-	-	-	-
1260	1350	0.75	1416	0.82	1480	0.88	1542	0.95	1601	-
1320	1359	0.81	1425	0.87	1488	0.94	1549	1.01	1608	1.09
1380	1370	0.87	1435	0.94	1497	1.01	1557	1.08	1615	1.15
1440	1381	0.93	1445	1.00	1506	1.08	1566	1.15	1623	1.22
1500	1393	1.00	1456	1.08	1517	1.15	1575	1.22	1632	1.30

- Notes:
1. Table BHP values do not include drive loss. When selecting fan motor, add 5% to BHP table value to include drive loss.
 2. Refer to New Magic 4 software for AHRI 430 certified fan performance data output.

BRD 16 Fan Performance

BRD-16 Fan Performance												
Total Static Pressure (in. wg)												
CFM	0.60		0.80		1.00		1.20		1.40		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
557	802	0.35	884	0.41	961	0.48	1034	0.55	1103	0.63	-	-
579	816	0.39	896	0.46	971	0.53	1042	0.61	1109	0.68	1174	0.76
602	830	0.43	909	0.50	982	0.58	1052	0.66	1118	0.74	1181	0.82
626	846	0.47	923	0.55	994	0.64	1062	0.72	1127	0.80	1189	0.89
651	863	0.52	937	0.61	1008	0.69	1074	0.78	1137	0.87	1198	0.95
675	880	0.58	953	0.67	1021	0.76	1087	0.85	1149	0.94	1208	1.03
701	898	0.64	969	0.73	1036	0.82	1100	0.92	1161	1.01	1220	1.11
726	916	0.70	986	0.80	1052	0.89	1114	0.99	1174	1.09	1232	1.19
752	936	0.77	1003	0.87	1068	0.97	1129	1.07	1188	1.17	1244	1.28
779	956	0.84	1021	0.94	1084	1.05	1145	1.15	1202	1.26	1258	1.37
805	976	0.92	1040	1.03	1102	1.13	1161	1.24	1217	1.35	1272	1.47

BRD-16 Fan Performance												
Total Static Pressure (in. wg)												
CFM	1.80		2.00		2.20		2.40		2.60		2.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
557	-	-	-	-	-	-	-	-	-	-	-	-
579	1236	0.84	-	-	-	-	-	-	-	-	-	-
602	1242	0.90	-	-	-	-	-	-	-	-	-	-
626	1249	0.97	1306	1.06	1362	1.15	-	-	-	-	-	-
651	1257	1.04	1313	1.13	1368	1.22	1421	1.32	-	-	-	-
675	1266	1.12	1321	1.21	1375	1.31	1427	1.41	1478	1.50	1528	1.60
701	1276	1.20	1331	1.30	1383	1.40	1435	1.50	1485	1.60	1534	1.70
726	1287	1.29	1341	1.39	1393	1.49	1443	1.60	1493	1.70	1541	1.80
752	1299	1.38	1352	1.49	1403	1.59	1453	1.70	1501	1.81	1548	1.91
779	1311	1.48	1363	1.59	1414	1.70	1463	1.81	1510	1.92	1557	2.03
805	1325	1.58	1376	1.69	1425	1.81	1474	1.92	1521	2.03	1567	2.15

- Notes:
1. Table BHP values do not include drive loss. When selecting fan motor, add 5% to BHP table value to include drive loss.
 2. Refer to New Magic 4 software for AHRI 430 certified fan performance data output.

BRD 20 Fan Performance

BRD-20 Fan Performance														
Total Static Pressure (in. wg)														
CFM	0.30		0.40		0.50		0.60		0.70		0.80		0.90	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1500	597	0.25	641	0.29	682	0.32	722	0.35	760	0.39	797	0.42	-	-
1600	613	0.29	656	0.32	696	0.36	734	0.39	771	0.43	807	0.46	842	0.50
1700	629	0.33	671	0.36	711	0.40	748	0.44	784	0.47	818	0.51	852	0.55
1800	646	0.37	687	0.41	726	0.45	762	0.49	797	0.52	831	0.56	863	0.60
1900	663	0.42	703	0.46	741	0.50	777	0.54	811	0.58	844	0.62	876	0.66
2000	681	0.47	720	0.51	757	0.55	793	0.60	826	0.64	858	0.68	890	0.73
2100	699	0.52	737	0.57	774	0.61	808	0.66	841	0.70	873	0.75	904	0.79
2200	718	0.58	755	0.63	790	0.68	824	0.72	857	0.77	888	0.82	918	0.86
2300	737	0.65	773	0.70	808	0.75	841	0.79	873	0.84	904	0.89	933	0.94
2400	757	0.72	792	0.77	825	0.82	858	0.87	889	0.92	920	0.97	949	1.02
2500	777	0.79	810	0.85	843	0.90	875	0.95	906	1.01	936	1.06	965	1.11

BRD-20 Fan Performance														
Total Static Pressure (in. wg)														
CFM	1.10		1.30		1.50		1.70		1.90		2.10		2.30	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1700	918	0.63	-	-	-	-	-	-	-	-	-	-	-	-
1800	927	0.69	-	-	-	-	-	-	-	-	-	-	-	-
1900	937	0.75	997	0.83	-	-	-	-	-	-	-	-	-	-
2000	949	0.81	1007	0.90	1063	0.99	-	-	-	-	-	-	-	-
2100	962	0.88	1018	0.98	1072	1.07	1125	1.17	-	-	-	-	-	-
2200	976	0.96	1030	1.06	1083	1.16	1134	1.26	1185	1.36	-	-	-	-
2300	990	1.04	1043	1.14	1095	1.24	1145	1.35	1194	1.45	1242	1.56	-	-
2400	1004	1.13	1057	1.23	1108	1.34	1156	1.44	1204	1.55	1251	1.66	1298	1.77
2500	1019	1.22	1071	1.33	1121	1.44	1169	1.55	1215	1.66	1261	1.77	1306	1.88

- Notes:
1. Table BHP values do not include drive loss. When selecting fan motor, add 5% to BHP table value to include drive loss.
 2. Refer to New Magic 4 software for AHRI 430 certified fan performance data output.

BRD 30 Fan Performance

BRD-30 Fan Performance												
Total Static Pressure (in. wg)												
CFM	0.80		1.00		1.20		1.40		1.60		1.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	685	0.61	744	0.70	799	0.80	-	-	-	-	-	-
2400	696	0.68	752	0.78	806	0.88	858	0.98	-	-	-	-
2550	708	0.76	762	0.86	814	0.97	864	1.07	913	1.18	-	-
2700	721	0.85	773	0.95	824	1.06	872	1.17	920	1.28	966	1.39
2850	735	0.94	786	1.05	834	1.16	881	1.28	927	1.39	972	1.51
3000	750	1.04	799	1.16	846	1.27	892	1.39	936	1.51	980	1.63
3150	765	1.15	813	1.27	859	1.39	903	1.52	946	1.64	988	1.77
3200	771	1.18	818	1.31	863	1.43	907	1.56	950	1.68	991	1.81
3300	781	1.26	828	1.39	872	1.52	915	1.65	957	1.78	998	1.91
3400	792	1.35	838	1.48	881	1.61	924	1.74	965	1.87	1005	2.01
3450	798	1.39	843	1.52	886	1.65	928	1.79	969	1.92	1009	2.06
3600	815	1.52	859	1.66	901	1.80	942	1.94	982	2.08	1020	2.22
3750	832	1.67	875	1.81	916	1.95	956	2.10	995	2.24	1033	2.39

BRD-30 Fan Performance												
Total Static Pressure (in. wg)												
CFM	2.00		2.20		2.40		2.60		2.80		3.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	-	-	-	-	-	-	-	-	-	-	-	-
2400	-	-	-	-	-	-	-	-	-	-	-	-
2550	-	-	-	-	-	-	-	-	-	-	-	-
2700	-	-	-	-	-	-	-	-	-	-	-	-
2850	1016	1.63	-	-	-	-	-	-	-	-	-	-
3000	1022	1.76	1063	1.88	-	-	-	-	-	-	-	-
3150	1030	1.89	1070	2.02	1110	2.15	1148	2.29	-	-	-	-
3200	1032	1.94	1072	2.07	1112	2.20	1150	2.34	-	-	-	-
3300	1038	2.04	1078	2.17	1116	2.31	1154	2.45	1191	2.58	-	-
3400	1045	2.14	1083	2.28	1121	2.42	1159	2.56	1195	2.70	-	-
3450	1048	2.20	1086	2.33	1124	2.47	1161	2.62	1197	2.76	1233	2.90
3600	1059	2.36	1096	2.50	1133	2.65	1169	2.79	1204	2.94	1239	3.09
3750	1070	2.54	1106	2.69	1142	2.83	1178	2.99	1212	3.14	1247	3.29

- Notes:
1. Table BHP values do not include drive loss. When selecting fan motor, add 5% to BHP table value to include drive loss.
 2. Refer to New Magic 4 software for AHRI 430 certified fan performance data output.

BRD 40 Fan Performance

BRD-40 Fan Performance												
Total Static Pressure (in. wg)												
CFM	0.80		1.00		1.20		1.40		1.60		1.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	750	1.04	799	1.16	846	1.27	892	1.39	936	1.51	980	1.63
3150	765	1.15	813	1.27	859	1.39	903	1.52	946	1.64	988	1.77
3200	771	1.18	818	1.31	863	1.43	907	1.56	950	1.68	991	1.81
3300	781	1.26	828	1.39	872	1.52	915	1.65	957	1.78	998	1.91
3400	792	1.35	838	1.48	881	1.61	924	1.74	965	1.87	1005	2.01
3450	798	1.39	843	1.52	886	1.65	928	1.79	969	1.92	1009	2.06
3600	815	1.52	859	1.66	901	1.80	942	1.94	982	2.08	1020	2.22
3750	832	1.67	875	1.81	916	1.95	956	2.10	995	2.24	1033	2.39
3800	838	1.72	881	1.86	921	2.01	961	2.15	1000	2.30	1037	2.45
4000	862	1.93	903	2.08	943	2.23	981	2.39	1019	2.54	1055	2.69
4200	886	2.16	926	2.32	965	2.48	1002	2.64	1039	2.80	1074	2.96
4400	911	2.42	950	2.58	988	2.74	1024	2.91	1059	3.08	1094	3.25
4600	936	2.69	974	2.86	1011	3.03	1046	3.20	1081	3.38	1115	3.55
4800	962	2.99	999	3.16	1035	3.34	1069	3.52	1103	3.70	1136	3.88
5000	988	3.31	1024	3.49	1059	3.67	1093	3.86	1126	4.05	1158	4.24

BRD-40 Fan Performance												
Total Static Pressure (in. wg)												
CFM	2.00		2.20		2.40		2.60		2.80		3.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	1022	1.76	1063	1.88	-	-	-	-	-	-	-	-
3150	1030	1.89	1070	2.02	1110	2.15	1148	2.29	-	-	-	-
3200	1032	1.94	1072	2.07	1112	2.20	1150	2.34	-	-	-	-
3300	1038	2.04	1078	2.17	1116	2.31	1154	2.45	1191	2.58	-	-
3400	1045	2.14	1083	2.28	1121	2.42	1159	2.56	1195	2.70	-	-
3450	1048	2.20	1086	2.33	1124	2.47	1161	2.62	1197	2.76	1233	2.90
3600	1059	2.36	1096	2.50	1133	2.65	1169	2.79	1204	2.94	1239	3.09
3750	1070	2.54	1106	2.69	1142	2.83	1178	2.99	1212	3.14	1247	3.29
3800	1074	2.60	1110	2.75	1146	2.90	1181	3.05	1215	3.20	1249	3.36
4000	1091	2.85	1126	3.01	1160	3.17	1194	3.33	1228	3.48	1261	3.65
4200	1109	3.12	1143	3.29	1176	3.45	1209	3.62	1242	3.79	1274	3.95
4400	1128	3.42	1161	3.59	1193	3.76	1225	3.93	1257	4.11	1288	4.28
4600	1147	3.73	1180	3.91	1211	4.09	1242	4.27	1273	4.45	1303	4.63
4800	1168	4.07	1199	4.25	1230	4.44	1261	4.62	1290	4.81	1320	5.00
5000	1189	4.43	1220	4.62	1250	4.81	1280	5.00	1309	5.20	1338	5.39

BRD 60 Fan Performance

BRD-60 Fan Performance												
Total Static Pressure (in. wg)												
CFM	0.80		1.00		1.20		1.40		1.60		1.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	782	1.98	829	2.16	873	2.34	915	2.53	955	2.72	995	2.91
5200	797	2.16	842	2.35	886	2.54	927	2.73	967	2.92	1005	3.12
5400	811	2.34	856	2.54	899	2.74	939	2.94	978	3.14	1016	3.34
5600	826	2.54	870	2.75	912	2.96	952	3.16	991	3.37	1028	3.57
5800	841	2.76	885	2.97	926	3.18	965	3.40	1003	3.61	1040	3.82
6000	857	2.98	899	3.20	940	3.42	979	3.64	1016	3.86	1052	4.08
6200	872	3.22	914	3.45	954	3.68	992	3.90	1029	4.13	1065	4.36
6400	888	3.47	929	3.71	968	3.95	1006	4.18	1043	4.41	1078	4.65
6600	904	3.73	944	3.98	983	4.23	1020	4.47	1056	4.71	1091	4.95
6800	920	4.01	960	4.27	998	4.52	1035	4.77	1070	5.02	1105	5.27
7000	937	4.31	976	4.57	1013	4.83	1049	5.09	1084	5.35	1118	5.60

BRD-60 Fan Performance												
Total Static Pressure (in. wg)												
CFM	2.00		2.20		2.40		2.60		2.80		3.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	1034	3.10	1072	3.30	-	-	-	-	-	-	-	-
5200	1043	3.31	1080	3.52	1117	3.72	-	-	-	-	-	-
5400	1053	3.54	1090	3.75	1125	3.96	1161	4.17	-	-	-	-
5600	1064	3.78	1100	3.99	1135	4.21	1169	4.43	1203	4.65	-	-
5800	1076	4.04	1110	4.25	1144	4.47	1178	4.70	1211	4.92	1245	5.15
6000	1087	4.30	1121	4.53	1155	4.75	1188	4.98	1220	5.21	1253	5.45
6200	1100	4.59	1133	4.81	1166	5.05	1198	5.28	1230	5.51	1262	5.75
6400	1112	4.88	1145	5.12	1178	5.35	1209	5.59	1241	5.83	1271	6.08
6600	1125	5.19	1158	5.44	1190	5.68	1221	5.92	1252	6.17	1282	6.42
6800	1138	5.52	1170	5.77	1202	6.02	1233	6.27	1263	6.52	1293	6.77
7000	1151	5.86	1183	6.12	1214	6.37	1245	6.63	1275	6.89	1304	7.15

- Notes:
- 1. Table BHP values do not include drive loss. When selecting fan motor, add 5% to BHP table value to include drive loss.
 - 2. Refer to New Magic 4 software for AHRI 430 certified fan performance data output.

BRD 80 Fan Performance

BRD-80 Fan Performance												
Total Static Pressure (in. wg)												
CFM	0.80		1.00		1.20		1.40		1.60		1.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7000	637	2.33	675	2.57	711	2.82	746	3.07	778	3.33	810	3.60
7200	645	2.47	683	2.72	719	2.97	753	3.23	785	3.49	816	3.76
7400	653	2.62	690	2.87	726	3.13	760	3.39	792	3.66	823	3.94
7600	662	2.76	698	3.03	733	3.30	767	3.56	799	3.84	830	4.12
7800	671	2.92	706	3.20	741	3.47	774	3.74	806	4.02	836	4.30
8000	680	3.07	715	3.37	749	3.65	782	3.93	813	4.21	843	4.50
8200	690	3.23	723	3.55	757	3.84	789	4.12	820	4.41	850	4.70
8400	700	3.39	732	3.73	765	4.03	797	4.32	828	4.62	858	4.91
8600	710	3.56	741	3.92	773	4.23	805	4.53	835	4.83	865	5.13
8800	720	3.72	750	4.11	781	4.44	812	4.75	843	5.05	872	5.36
9000	731	3.89	760	4.30	790	4.65	821	4.97	851	5.28	880	5.60

BRD-80 Fan Performance												
Total Static Pressure (in. wg)												
CFM	2.00		2.20		2.40		2.60		2.80		3.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7000	841	3.88	871	4.18	-	-	-	-	-	-	-	-
7200	847	4.04	877	4.34	906	4.65	-	-	-	-	-	-
7400	853	4.22	882	4.51	911	4.82	939	5.15	-	-	-	-
7600	859	4.40	888	4.69	917	5.00	944	5.32	-	-	-	-
7800	866	4.59	894	4.89	922	5.19	950	5.51	977	5.85	-	-
8000	873	4.79	901	5.09	928	5.40	956	5.72	982	6.05	1008	6.41
8200	879	5.00	907	5.30	935	5.61	961	5.93	988	6.26	1014	6.61
8400	886	5.22	914	5.53	941	5.84	968	6.16	993	6.49	1019	6.83
8600	893	5.44	921	5.75	948	6.07	974	6.39	999	6.72	1025	7.07
8800	900	5.67	928	5.99	954	6.31	980	6.64	1006	6.97	1031	7.31
9000	908	5.91	935	6.23	961	6.56	987	6.90	1012	7.23	1037	7.58

- Notes:
1. Table BHP values do not include drive loss. When selecting fan motor, add 5% to BHP table value to include drive loss.
 2. Refer to New Magic 4 software for AHRI 430 certified fan performance data output.

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-08

		CFM @ 80 F EDB														
SET (F)		600					800					1000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	20.51	23.93	30.07	36.96	44.61	24.92	27.91	34.93	42.72	51.34	28.69	31.14	38.73	47.13	56.46
	SHC	20.51	19.78	18.60	17.29	15.78	24.92	23.89	22.11	20.10	17.83	28.69	27.49	25.09	22.39	19.39
	LDB	48.7	49.9	51.8	53.9	56.3	51.4	52.7	54.9	57.3	59.9	53.7	54.9	57.2	59.7	62.6
	LWB	43.2	47.4	50.2	53.1	56.3	44.6	49.4	52.7	56.1	59.7	45.7	50.9	54.5	58.2	62.2
	PD	1.81	2.50	3.88	5.73	8.12	2.69	3.41	5.24	7.65	10.68	3.57	4.24	6.44	9.28	12.80
	BF	0.27	0.16	0.18	0.00	0.00	0.33	0.21	0.22	0.00	0.00	0.38	0.24	0.25	0.35	0.00
40	TC	18.19	19.88	25.91	32.75	40.47	22.13	23.34	30.10	37.91	46.62	25.52	26.18	33.40	41.89	51.32
	SHC	18.19	17.84	16.74	15.51	14.11	22.13	21.72	20.02	18.16	16.05	25.52	25.09	22.83	20.36	17.53
	LDB	52.2	52.9	54.6	56.6	58.8	54.6	55.2	57.3	59.5	61.9	56.6	57.1	59.3	61.6	64.2
	LWB	45.0	50.1	52.8	55.7	58.6	46.1	51.7	54.9	58.2	61.6	47.1	52.8	56.4	60.0	63.7
	PD	1.30	1.57	2.63	4.11	6.09	1.92	2.16	3.55	5.51	8.08	2.56	2.71	4.39	6.72	9.74
	BF	0.35	0.17	0.18	0.00	0.00	0.41	0.21	0.22	0.27	0.00	0.45	0.25	0.25	0.29	0.00
45	TC	15.82	15.98	21.35	28.08	35.84	19.27	19.31	24.77	32.49	41.29	22.23	22.28	27.48	35.92	45.50
	SHC	15.82	15.83	14.82	13.64	12.36	19.27	19.31	17.83	16.09	14.13	22.23	22.28	20.45	18.13	15.53
	LDB	55.83	55.94	57.57	59.43	61.46	57.92	57.99	59.76	61.82	64.11	59.62	59.69	61.44	63.62	66.04
	LWB	46.70	52.68	55.64	58.37	61.16	47.67	53.62	57.26	60.41	63.66	48.44	54.31	58.44	61.89	65.46
	PD	0.90	0.92	1.64	2.76	4.36	1.33	1.34	2.21	3.71	5.80	1.77	1.78	2.72	4.55	7.04
	BF	0.43	0.19	0.17	0.21	0.00	0.48	0.26	0.21	0.24	0.00	0.52	0.31	0.25	0.27	0.00
50	TC	13.41	13.44	16.48	23.00	30.67	16.33	16.37	19.09	26.57	35.30	18.86	18.90	21.24	29.38	38.88
	SHC	13.41	13.44	12.87	11.73	10.53	16.33	16.37	15.60	13.92	12.10	18.86	18.90	18.03	15.79	13.36
	LDB	59.5	59.6	60.5	62.3	64.2	61.3	61.3	62.3	64.3	66.4	62.7	62.8	63.6	65.7	68.0
	LWB	48.4	54.3	58.5	61.1	63.8	49.2	55.0	59.6	62.7	65.9	49.8	55.6	60.5	63.9	67.3
	PD	0.60	0.60	0.91	1.72	2.93	0.89	0.89	1.22	2.29	3.89	1.17	1.18	1.50	2.80	4.73
	BF	0.52	0.31	0.17	0.19	0.00	0.56	0.37	0.22	0.23	0.00	0.59	0.42	0.25	0.26	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - \text{BF}) \times (\text{EDB} - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / \text{CFM} \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-12

		CFM @ 80 F EDB														
SET (F)		900					1200					1500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	30.86	36.15	45.23	55.56	67.16	37.55	42.23	52.70	64.39	77.52	43.29	47.10	58.57	71.24	85.43
	SHC	30.86	29.80	27.97	26.00	23.78	37.55	36.02	33.32	30.31	26.97	43.29	41.44	37.86	33.83	29.38
	LDB	48.5	49.7	51.7	53.8	56.1	51.3	52.6	54.7	57.1	59.7	53.5	54.7	57.0	59.6	62.3
	LWB	43.2	47.2	50.1	53.0	56.1	44.5	49.3	52.5	56.0	59.5	45.6	50.8	54.4	58.1	62.0
	PD	1.74	2.40	3.68	5.40	7.63	2.57	3.27	4.98	7.21	10.06	3.40	4.05	6.12	8.76	12.09
	BF	0.26	0.16	0.18	0.00	0.00	0.33	0.21	0.22	0.00	0.00	0.38	0.24	0.25	0.35	0.00
40	TC	27.36	29.99	39.03	49.18	60.85	33.32	35.23	45.47	57.07	70.32	38.48	39.56	50.57	63.23	77.58
	SHC	27.36	26.85	25.19	23.30	21.24	33.32	32.67	30.18	27.35	24.23	38.48	37.86	34.48	30.71	26.53
	LDB	52.1	52.7	54.5	56.5	58.7	54.5	55.1	57.1	59.3	61.8	56.4	56.9	59.1	61.5	64.1
	LWB	44.9	50.0	52.7	55.6	58.6	46.1	51.6	54.8	58.1	61.5	47.0	52.8	56.3	59.9	63.6
	PD	1.25	1.52	2.51	3.89	5.74	1.84	2.07	3.39	5.21	7.61	2.45	2.61	4.19	6.37	9.20
	BF	0.35	0.16	0.17	0.30	0.00	0.40	0.21	0.21	0.27	0.00	0.45	0.25	0.25	0.29	0.00
45	TC	23.78	24.04	32.24	42.13	53.84	29.00	29.07	37.50	48.90	62.22	33.50	33.58	41.67	54.21	68.70
	SHC	23.78	23.80	22.32	20.48	18.58	29.00	29.07	26.90	24.20	21.31	33.50	33.58	30.89	27.33	23.46
	LDB	55.73	55.84	57.43	59.38	61.38	57.81	57.87	59.61	61.73	64.00	59.49	59.55	61.27	63.50	65.92
	LWB	46.66	52.63	55.53	58.34	61.10	47.62	53.57	57.14	60.34	63.57	48.38	54.26	58.33	61.80	65.35
	PD	0.88	0.90	1.58	2.62	4.12	1.28	1.29	2.14	3.52	5.49	1.71	1.71	2.62	4.32	6.66
	BF	0.43	0.19	0.17	0.20	0.00	0.48	0.25	0.21	0.24	0.00	0.52	0.31	0.25	0.27	0.00
50	TC	20.10	20.17	24.88	34.60	46.05	24.56	24.62	28.88	40.14	53.21	28.41	28.47	32.11	44.50	58.76
	SHC	20.10	20.17	19.38	17.63	15.82	24.56	24.62	23.51	20.99	18.25	28.41	28.47	27.17	23.85	20.19
	LDB	59.5	59.5	60.4	62.3	64.2	61.2	61.3	62.2	64.2	66.3	62.6	62.7	63.5	65.6	67.9
	LWB	48.4	54.3	58.4	61.1	63.8	49.2	55.0	59.6	62.6	65.8	49.8	55.5	60.4	63.8	67.2
	PD	0.59	0.59	0.89	1.65	2.79	0.86	0.86	1.18	2.20	3.71	1.14	1.14	1.45	2.70	4.51
	BF	0.52	0.31	0.17	0.19	0.00	0.56	0.37	0.21	0.23	0.00	0.59	0.41	0.25	0.26	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-16

		CFM @ 80 F EDB														
SET (F)		1200					1600					2000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	40.67	46.77	57.98	70.64	84.44	49.02	53.86	66.47	80.43	95.65	56.01	59.35	72.92	87.72	103.89
	SHC	40.67	39.12	36.26	33.14	29.58	49.02	46.99	42.80	38.14	32.95	56.01	53.84	48.33	42.20	35.48
	LDB	48.9	50.2	52.5	55.0	57.8	51.9	53.2	55.7	58.4	61.4	54.3	55.4	58.0	60.9	64.0
	LWB	43.4	47.8	50.9	54.1	57.7	44.8	49.9	53.5	57.2	61.1	46.0	51.5	55.3	59.3	63.5
	PD	3.70	4.90	7.33	10.43	14.22	5.34	6.45	9.52	13.31	17.86	6.91	7.79	11.32	15.62	20.71
	BF	0.27	0.16	0.18	0.00	0.00	0.34	0.20	0.21	0.35	0.00	0.40	0.24	0.25	0.31	0.00
40	TC	36.27	39.23	50.62	63.32	77.39	43.86	45.61	58.17	72.33	87.87	50.26	50.89	63.97	79.11	95.64
	SHC	36.27	35.57	33.01	30.12	26.83	43.86	43.11	39.27	34.97	30.11	50.26	49.85	44.63	38.96	32.60
	LDB	52.3	53.0	55.0	57.3	59.9	54.9	55.4	57.7	60.2	63.1	56.9	57.2	59.7	62.4	65.3
	LWB	45.0	50.3	53.2	56.3	59.6	46.2	52.0	55.4	58.9	62.7	47.2	53.1	56.9	60.7	64.8
	PD	2.69	3.18	5.14	7.76	11.08	3.91	4.26	6.75	10.01	14.06	5.11	5.26	8.10	11.88	16.44
	BF	0.35	0.16	0.17	0.26	0.00	0.41	0.21	0.21	0.26	0.00	0.46	0.24	0.24	0.28	0.00
45	TC	31.72	31.97	42.33	54.92	69.30	38.45	38.53	48.72	62.91	78.89	44.18	44.27	53.65	68.96	86.04
	SHC	31.72	31.75	29.54	26.83	23.84	38.45	38.53	35.43	31.43	26.97	44.18	44.27	40.53	35.27	29.38
	LDB	55.78	55.88	57.64	59.79	62.12	57.96	58.02	59.88	62.23	64.83	59.73	59.79	61.59	64.05	66.78
	LWB	46.67	52.68	55.75	58.72	61.79	47.69	53.64	57.43	60.82	64.35	48.49	54.36	58.66	62.33	66.16
	PD	1.89	1.92	3.33	5.41	8.23	2.77	2.78	4.39	7.06	10.55	3.63	3.64	5.31	8.42	12.44
	BF	0.43	0.19	0.17	0.20	0.00	0.48	0.26	0.21	0.23	0.00	0.53	0.32	0.24	0.26	0.00
50	TC	27.02	27.09	33.11	45.59	60.09	32.82	32.89	38.13	52.36	68.57	37.79	37.87	42.10	57.58	74.94
	SHC	27.02	27.09	25.89	23.35	20.62	32.82	32.89	31.31	27.62	23.53	37.79	37.87	36.10	31.24	25.81
	LDB	59.4	59.4	60.4	62.4	64.5	61.2	61.2	62.2	64.4	66.8	62.7	62.7	63.6	65.9	68.4
	LWB	48.3	54.2	58.4	61.3	64.1	49.2	54.9	59.7	62.9	66.2	49.8	55.5	60.6	64.1	67.7
	PD	1.28	1.29	1.90	3.47	5.74	1.86	1.87	2.52	4.56	7.42	2.45	2.46	3.06	5.49	8.81
	BF	0.52	0.30	0.17	0.19	0.00	0.56	0.37	0.21	0.23	0.00	0.59	0.42	0.25	0.26	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-20

		CFM @ 80 F EDB														
SET (F)		1500					2000					2500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	51.24	59.97	74.76	91.80	111.03	62.33	70.04	87.05	106.30	128.10	71.84	78.19	96.77	117.51	141.16
	SHC	51.24	49.50	46.33	43.00	39.27	62.33	59.81	55.16	50.10	44.56	71.84	68.83	62.69	55.90	48.55
	LDB	48.7	49.9	51.9	54.0	56.4	51.4	52.7	54.9	57.3	59.9	53.7	54.9	57.2	59.8	62.5
	LWB	43.2	47.3	50.3	53.3	56.4	44.6	49.4	52.7	56.2	59.8	45.7	50.9	54.5	58.3	62.2
	PD	1.66	2.27	3.47	5.08	7.15	2.43	3.08	4.67	6.75	9.40	3.21	3.83	5.73	8.19	11.29
	BF	0.27	0.17	0.18	0.00	0.00	0.33	0.21	0.22	0.00	0.00	0.38	0.24	0.25	0.34	0.00
40	TC	45.38	49.69	64.51	81.21	100.49	55.27	58.41	75.12	94.11	116.00	63.79	65.59	83.54	104.18	127.94
	SHC	45.38	44.56	41.73	38.53	35.06	55.27	54.22	49.98	45.19	39.96	63.79	62.79	57.10	50.73	43.76
	LDB	52.3	52.9	54.7	56.8	58.9	54.7	55.3	57.3	59.6	62.0	56.6	57.1	59.3	61.7	64.3
	LWB	45.0	50.2	52.9	55.8	58.8	46.1	51.7	54.9	58.3	61.7	47.1	52.8	56.4	60.1	63.8
	PD	1.19	1.44	2.37	3.66	5.39	1.76	1.97	3.20	4.88	7.12	2.32	2.47	3.93	5.95	8.59
	BF	0.35	0.17	0.18	0.27	0.00	0.41	0.22	0.22	0.27	0.00	0.45	0.25	0.25	0.29	0.00
45	TC	39.36	39.75	53.31	69.52	88.80	48.04	48.14	61.98	80.52	102.48	55.50	55.61	68.88	89.15	113.08
	SHC	39.36	39.42	37.00	33.86	30.64	48.04	48.14	44.58	39.97	35.11	55.50	55.61	51.18	45.10	38.63
	LDB	55.95	56.03	57.60	59.58	61.61	57.98	58.05	59.76	61.94	64.21	59.65	59.72	61.42	63.70	66.11
	LWB	46.75	52.73	55.66	58.52	61.33	47.70	53.65	57.25	60.52	63.78	48.46	54.33	58.42	61.97	65.54
	PD	0.83	0.85	1.50	2.48	3.88	1.23	1.23	2.02	3.31	5.13	1.62	1.63	2.48	4.05	6.21
	BF	0.44	0.20	0.17	0.20	0.00	0.48	0.26	0.21	0.24	0.00	0.52	0.31	0.25	0.27	0.00
50	TC	33.01	33.10	41.01	57.07	75.94	40.58	40.65	47.59	66.09	87.54	46.96	47.06	52.92	73.22	96.56
	SHC	33.01	33.10	32.06	29.16	26.08	40.58	40.65	38.89	34.67	30.04	46.96	47.06	44.91	39.38	33.22
	LDB	59.8	59.9	60.6	62.4	64.4	61.4	61.5	62.4	64.3	66.5	62.8	62.8	63.7	65.8	68.1
	LWB	48.5	54.4	58.5	61.2	64.0	49.3	55.0	59.7	62.8	66.0	49.9	55.6	60.5	63.9	67.4
	PD	0.56	0.57	0.85	1.57	2.63	0.83	0.83	1.12	2.08	3.48	1.08	1.09	1.38	2.53	4.21
	BF	0.53	0.32	0.17	0.19	0.00	0.56	0.37	0.22	0.23	0.00	0.60	0.42	0.26	0.26	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-30

		CFM @ 80 F EDB														
SET (F)		2250					3000					3750				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	78.66	92.73	115.34	141.56	170.92	95.82	108.53	134.54	164.17	197.45	110.72	121.08	149.80	181.83	217.92
	SHC	78.66	76.07	71.25	66.27	60.61	95.82	92.05	84.93	77.28	68.84	110.72	106.02	96.68	86.34	75.08
	LDB	48.0	49.1	51.2	53.3	55.7	50.7	52.0	54.2	56.7	59.3	53.0	54.2	56.6	59.2	62.0
	LWB	42.9	46.8	49.7	52.6	55.7	44.2	48.9	52.2	55.6	59.2	45.3	50.5	54.1	57.8	61.7
	PD	1.81	2.53	3.86	5.63	7.90	2.67	3.45	5.21	7.50	10.39	3.56	4.28	6.42	9.12	12.50
	BF	0.25	0.15	0.17	0.00	0.00	0.31	0.19	0.21	0.00	0.00	0.37	0.23	0.24	0.34	0.00
40	TC	69.77	76.96	99.84	125.56	155.13	85.09	90.58	116.52	145.84	179.35	98.48	101.84	129.84	161.76	198.17
	SHC	69.77	68.46	64.24	59.45	54.26	85.09	83.46	77.06	69.83	61.91	98.48	96.92	88.18	78.51	67.87
	LDB	51.6	52.2	54.1	56.1	58.3	54.0	54.6	56.6	58.9	61.4	56.0	56.4	58.7	61.1	63.7
	LWB	44.7	49.7	52.4	55.2	58.2	45.8	51.3	54.5	57.7	61.1	46.7	52.5	56.0	59.6	63.3
	PD	1.30	1.60	2.64	4.08	5.99	1.93	2.20	3.59	5.47	7.93	2.57	2.77	4.44	6.69	9.59
	BF	0.33	0.16	0.16	0.00	0.00	0.39	0.20	0.20	0.26	0.00	0.44	0.24	0.24	0.28	0.00
45	TC	60.75	61.62	82.87	107.90	137.54	74.14	74.32	96.60	125.21	159.03	85.88	86.06	107.61	138.99	175.83
	SHC	60.75	60.77	57.04	52.37	47.54	74.14	74.32	68.84	61.88	54.54	85.88	86.06	79.20	69.97	60.09
	LDB	55.26	55.38	56.98	58.95	60.98	57.33	57.40	59.15	61.34	63.64	59.03	59.09	60.85	63.16	65.61
	LWB	46.43	52.39	55.20	57.98	60.73	47.39	53.37	56.82	60.03	63.24	48.17	54.07	58.04	61.55	65.08
	PD	0.90	0.93	1.67	2.78	4.33	1.33	1.34	2.27	3.72	5.76	1.79	1.80	2.81	4.58	7.00
	BF	0.42	0.18	0.16	0.19	0.00	0.47	0.24	0.20	0.23	0.00	0.51	0.29	0.24	0.26	0.00
50	TC	51.62	51.75	64.26	88.97	118.10	62.97	63.13	74.66	103.19	136.42	72.95	73.11	83.08	114.59	150.84
	SHC	51.62	51.75	49.61	45.18	40.59	62.97	63.13	60.20	53.76	46.81	72.95	73.11	69.59	61.16	51.84
	LDB	59.0	59.0	60.0	61.9	63.8	60.7	60.8	61.8	63.8	66.0	62.2	62.2	63.2	65.3	67.6
	LWB	48.2	54.1	58.1	60.8	63.4	49.0	54.8	59.3	62.4	65.5	49.6	55.3	60.2	63.5	67.0
	PD	0.60	0.60	0.93	1.74	2.95	0.89	0.89	1.26	2.35	3.92	1.19	1.20	1.56	2.87	4.77
	BF	0.51	0.29	0.16	0.18	0.00	0.55	0.35	0.20	0.22	0.00	0.58	0.40	0.24	0.25	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-40

		CFM @ 80 F EDB														
SET (F)		3000					4000					5000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	104.76	122.93	152.04	183.12	223.60	128.62	144.77	178.11	214.29	258.23	148.64	161.40	197.99	237.38	284.00
	SHC	104.76	102.02	94.83	86.51	79.17	128.62	124.72	114.02	102.17	89.96	148.64	144.46	130.18	114.68	98.04
	LDB	47.9	48.9	51.2	53.8	56.2	50.5	51.5	54.1	56.9	59.7	52.7	53.6	56.3	59.2	62.3
	LWB	42.9	46.9	49.9	53.3	56.2	44.1	48.9	52.3	56.0	59.6	45.2	50.5	54.2	58.1	62.0
	PD	3.10	4.15	6.13	8.61	11.96	4.50	5.59	8.15	11.33	15.36	5.88	6.82	9.85	13.54	18.10
	BF	0.25	0.13	0.14	0.00	0.00	0.31	0.17	0.17	0.22	0.00	0.36	0.19	0.20	0.22	0.00
40	TC	85.18	98.67	126.89	157.68	194.01	108.15	118.11	150.18	185.34	227.10	127.25	133.40	168.54	207.40	253.43
	SHC	85.18	89.32	83.17	75.74	67.82	108.15	110.80	101.53	90.45	78.68	127.25	129.54	117.16	102.76	87.37
	LDB	53.9	52.8	54.8	57.1	59.6	55.2	54.7	56.9	59.5	62.3	56.7	56.3	58.7	61.4	64.3
	LWB	45.8	50.2	53.2	56.4	59.5	46.4	51.6	54.9	58.5	62.1	47.1	52.6	56.3	60.1	63.9
	PD	2.13	2.64	4.16	6.17	8.86	3.17	3.61	5.60	8.19	11.61	4.20	4.48	6.87	9.95	13.99
	BF	0.39	0.16	0.15	0.17	0.00	0.42	0.19	0.18	0.19	0.00	0.45	0.22	0.21	0.22	0.00
45	TC	65.04	69.45	98.35	128.69	162.85	85.53	87.27	118.92	154.47	193.86	102.30	102.63	134.85	173.72	217.39
	SHC	65.04	69.14	69.90	63.96	56.50	85.53	87.16	87.30	78.20	67.07	102.30	102.63	102.27	89.82	75.24
	LDB	60.10	58.95	58.81	60.70	63.03	60.40	60.13	60.19	62.33	64.92	61.23	61.27	61.42	63.76	66.46
	LWB	48.66	53.98	56.61	59.64	62.83	48.79	54.48	57.68	61.04	64.60	49.16	54.94	58.60	62.24	66.02
	PD	1.32	1.43	2.53	4.06	6.17	2.03	2.09	3.48	5.55	8.29	2.75	2.77	4.32	6.78	10.05
	BF	0.53	0.29	0.19	0.18	0.00	0.54	0.33	0.21	0.21	0.00	0.56	0.37	0.23	0.23	0.00
50	TC	47.06	47.38	68.64	99.29	132.54	63.37	63.71	84.96	120.03	158.34	77.91	78.19	96.90	136.20	178.33
	SHC	47.06	47.38	56.22	52.16	46.10	63.37	63.71	71.72	64.85	55.21	77.91	78.19	84.59	75.23	62.48
	LDB	65.6	65.6	63.0	64.3	66.2	65.5	65.5	63.7	65.4	67.6	65.7	65.7	64.6	66.4	68.8
	LWB	51.1	56.7	60.0	62.8	65.8	51.0	56.6	60.5	63.7	67.1	51.1	56.7	61.1	64.5	68.2
	PD	0.77	0.78	1.32	2.41	3.96	1.20	1.21	1.84	3.34	5.42	1.66	1.66	2.31	4.15	6.66
	BF	0.66	0.51	0.24	0.23	0.00	0.66	0.51	0.26	0.24	0.00	0.67	0.52	0.28	0.26	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-60

		CFM @ 80 F EDB														
SET (F)		5000					6000					7000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	166.51	194.13	242.93	297.37	358.48	188.74	214.25	267.31	326.02	392.53	209.07	231.99	288.12	350.78	419.73
	SHC	166.51	161.51	150.96	139.34	126.20	188.74	182.31	168.65	153.42	136.65	209.07	201.49	184.53	166.00	144.90
	LDB	49.5	50.5	52.5	54.7	57.2	51.1	52.2	54.4	56.8	59.5	52.6	53.7	56.0	58.5	61.4
	LWB	43.6	47.8	50.8	53.9	57.2	44.5	49.1	52.3	55.7	59.3	45.2	50.1	53.6	57.2	61.1
	PD	2.15	2.90	4.43	6.43	8.96	2.75	3.51	5.33	7.65	10.60	3.36	4.10	6.15	8.80	12.02
	BF	0.28	0.17	0.19	0.00	0.00	0.32	0.20	0.21	0.00	0.00	0.36	0.22	0.24	0.00	0.00
40	TC	147.75	161.28	209.72	263.65	325.38	167.61	178.76	231.18	289.63	355.50	185.82	193.81	249.49	311.89	381.83
	SHC	147.75	145.84	136.22	125.18	113.10	167.61	165.34	152.97	138.62	122.58	185.82	183.50	168.08	150.56	130.91
	LDB	52.9	53.4	55.2	57.3	59.6	54.4	54.8	56.8	59.1	61.6	55.7	56.1	58.2	60.5	63.2
	LWB	45.3	50.5	53.3	56.3	59.4	46.0	51.4	54.6	57.9	61.3	46.6	52.3	55.6	59.1	62.8
	PD	1.54	1.84	3.03	4.65	6.80	1.98	2.25	3.67	5.59	8.07	2.42	2.63	4.25	6.44	9.22
	BF	0.37	0.18	0.18	0.28	0.00	0.40	0.20	0.21	0.27	0.00	0.43	0.23	0.23	0.28	0.00
45	TC	128.70	129.79	173.71	226.89	287.69	146.05	146.41	191.38	249.30	315.55	161.96	162.37	206.49	268.63	339.12
	SHC	128.70	128.94	121.19	110.61	99.05	146.05	146.41	136.62	123.01	108.14	161.96	162.37	150.66	134.16	115.90
	LDB	56.39	56.47	57.97	59.98	62.16	57.67	57.73	59.31	61.45	63.78	58.78	58.83	60.45	62.67	65.10
	LWB	46.96	52.92	55.93	58.83	61.84	47.55	53.51	56.92	60.09	63.36	48.05	53.96	57.75	61.10	64.59
	PD	1.07	1.09	1.91	3.19	4.92	1.38	1.38	2.31	3.82	5.87	1.69	1.70	2.69	4.41	6.74
	BF	0.45	0.21	0.18	0.22	0.00	0.48	0.25	0.20	0.24	0.00	0.50	0.28	0.23	0.25	0.00
50	TC	109.47	109.76	134.50	187.33	247.28	124.21	124.51	148.06	205.85	271.20	137.66	137.95	159.78	221.66	291.48
	SHC	109.47	109.76	105.68	95.82	84.88	124.21	124.51	119.64	107.07	93.02	137.66	137.95	132.58	117.18	100.04
	LDB	59.9	60.0	60.8	62.7	64.7	61.0	61.1	61.9	63.9	66.1	62.0	62.0	62.8	64.9	67.2
	LWB	48.6	54.4	58.6	61.4	64.3	49.1	54.9	59.4	62.4	65.5	49.5	55.2	60.0	63.2	66.5
	PD	0.71	0.72	1.07	2.00	3.35	0.91	0.91	1.29	2.41	4.01	1.12	1.13	1.50	2.79	4.61
	BF	0.53	0.32	0.18	0.20	0.00	0.56	0.36	0.21	0.22	0.00	0.58	0.39	0.23	0.24	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-22 DX Coils - BRD-80

		CFM @ 80 F EDB														
SET (F)		7000					8000					9000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	240.11	272.69	337.01	406.87	483.47	262.27	292.01	359.64	433.16	513.49	282.58	309.03	379.26	455.80	539.12
	SHC	240.11	229.68	208.06	184.91	159.54	262.27	251.75	226.06	198.64	168.68	282.58	272.59	242.67	211.01	176.53
	LDB	50.3	51.5	54.1	56.9	60.0	51.5	52.6	55.3	58.2	61.5	52.6	53.6	56.4	59.4	62.8
	LWB	44.1	48.6	51.7	55.1	58.8	44.6	49.5	52.8	56.4	60.3	45.2	50.3	53.8	57.6	61.6
	PD	5.38	6.82	9.96	13.80	18.31	6.36	7.74	11.20	15.39	20.26	7.33	8.58	12.32	16.82	21.98
	BF	0.26	0.13	0.14	0.00	0.00	0.30	0.14	0.15	0.23	0.00	0.33	0.16	0.17	0.22	0.00
40	TC	215.16	230.54	295.92	367.22	445.31	235.44	247.38	316.16	391.20	473.41	254.19	262.83	333.70	411.63	497.31
	SHC	215.16	210.54	190.52	168.76	144.96	235.44	231.24	207.86	182.00	153.85	254.19	251.43	223.92	193.91	161.50
	LDB	53.6	54.2	56.4	59.0	61.9	54.6	55.1	57.4	60.1	63.2	55.5	55.8	58.3	61.2	64.3
	LWB	45.7	51.0	53.9	57.1	60.6	46.1	51.7	54.8	58.2	61.9	46.5	52.3	55.7	59.2	63.0
	PD	3.97	4.55	7.17	10.52	14.60	4.72	5.19	8.11	11.80	16.24	5.47	5.82	8.96	12.95	17.69
	BF	0.34	0.13	0.14	0.18	0.00	0.37	0.15	0.15	0.19	0.00	0.39	0.17	0.17	0.20	0.00
45	TC	188.99	190.10	249.27	321.52	401.19	207.11	207.67	266.97	342.23	426.65	223.98	224.56	282.36	360.72	447.63
	SHC	188.99	189.20	171.89	151.08	128.89	207.11	207.67	188.53	163.48	137.30	223.98	224.56	204.01	175.04	144.36
	LDB	57.04	57.12	58.92	61.31	63.99	57.83	57.88	59.69	62.26	65.05	58.57	58.62	60.40	63.08	66.01
	LWB	47.27	53.23	56.33	59.33	62.55	47.63	53.58	57.03	60.27	63.68	47.97	53.89	57.65	61.08	64.69
	PD	2.81	2.84	4.75	7.55	11.11	3.36	3.38	5.41	8.50	12.43	3.91	3.93	6.01	9.38	13.58
	BF	0.42	0.17	0.13	0.16	0.00	0.44	0.20	0.15	0.17	0.00	0.47	0.23	0.16	0.19	0.00
50	TC	161.88	162.33	197.13	269.48	350.14	177.68	178.16	211.17	287.70	373.08	192.34	192.81	223.59	303.84	391.99
	SHC	161.88	162.33	152.61	132.11	111.25	177.68	178.16	168.04	143.94	119.24	192.34	192.81	182.73	154.95	125.98
	LDB	60.6	60.6	61.6	63.8	66.3	61.2	61.2	62.2	64.5	67.1	61.8	61.8	62.7	65.1	67.9
	LWB	48.9	54.7	58.9	61.7	64.7	49.2	55.0	59.4	62.4	65.7	49.4	55.2	59.8	63.0	66.5
	PD	1.90	1.91	2.78	4.99	7.98	2.28	2.29	3.18	5.64	8.97	2.66	2.67	3.54	6.26	9.82
	BF	0.50	0.29	0.13	0.15	0.00	0.52	0.31	0.15	0.16	0.00	0.54	0.34	0.16	0.18	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-08

		CFM @ 80 F EDB														
SET (F)		600					800					1000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	22.04	26.28	33.89	42.77	52.69	27.68	31.93	41.02	51.64	63.50	32.68	36.71	46.98	59.03	72.26
	SHC	22.04	21.69	20.87	20.07	19.08	27.68	27.10	25.71	24.28	22.61	32.68	31.96	29.97	27.88	25.38
	LDB	46.3	47.0	48.3	49.7	51.3	48.3	49.1	50.8	52.5	54.5	50.0	50.8	52.7	54.7	57.1
	LWB	42.1	45.7	47.6	49.3	51.3	43.0	47.4	49.7	52.0	54.5	43.9	48.7	51.4	54.0	57.0
	PD	0.68	0.98	1.63	2.60	3.92	1.08	1.48	2.43	3.85	5.81	1.54	1.98	3.24	5.10	7.59
	BF	0.21	0.09	0.10	0.00	0.00	0.26	0.11	0.12	0.00	0.00	0.30	0.13	0.14	0.00	0.00
40	TC	19.20	20.94	28.34	37.06	46.99	24.13	25.48	34.26	44.76	56.63	28.52	29.40	39.24	51.14	64.49
	SHC	19.20	19.13	18.35	17.55	16.67	24.13	24.00	22.72	21.37	19.83	28.52	28.42	26.63	24.65	22.38
	LDB	50.7	50.9	52.2	53.5	54.9	52.3	52.6	54.2	55.8	57.7	53.9	54.1	55.8	57.7	59.8
	LWB	44.2	49.4	51.3	53.0	54.9	45.0	50.6	53.0	55.2	57.5	45.8	51.6	54.3	56.9	59.6
	PD	0.46	0.55	1.01	1.73	2.77	0.74	0.84	1.51	2.57	4.11	1.04	1.12	2.01	3.40	5.40
	BF	0.31	0.09	0.09	0.21	0.00	0.35	0.12	0.11	0.17	0.00	0.39	0.15	0.14	0.18	0.00
45	TC	16.25	16.31	22.33	30.81	40.67	20.54	20.60	26.90	37.10	48.90	24.27	24.33	30.76	42.31	55.65
	SHC	16.25	16.31	15.82	15.00	14.17	20.54	20.60	19.69	18.35	16.92	24.27	24.33	23.18	21.27	19.17
	LDB	55.17	55.21	56.05	57.38	58.72	56.46	56.52	57.66	59.26	60.96	57.76	57.81	58.95	60.78	62.75
	LWB	46.39	52.46	55.04	56.81	58.54	46.99	53.01	56.32	58.51	60.72	47.59	53.54	57.32	59.85	62.43
	PD	0.30	0.31	0.57	1.06	1.84	0.49	0.49	0.83	1.57	2.73	0.68	0.68	1.10	2.07	3.58
	BF	0.42	0.16	0.09	0.12	0.00	0.45	0.21	0.11	0.14	0.00	0.48	0.25	0.14	0.15	0.00
50	TC	13.03	13.08	15.89	23.91	33.60	16.76	16.81	19.19	28.66	40.24	19.93	20.00	21.92	32.62	45.86
	SHC	13.03	13.08	13.26	12.42	11.61	16.76	16.81	16.66	15.27	13.90	19.93	20.00	19.72	17.80	15.86
	LDB	60.1	60.1	59.9	61.3	62.6	60.8	60.8	61.1	62.8	64.4	61.7	61.8	62.1	63.9	65.7
	LWB	48.7	54.5	58.8	60.6	62.3	49.0	54.8	59.6	61.9	64.1	49.4	55.2	60.3	62.9	65.4
	PD	0.20	0.20	0.27	0.58	1.12	0.30	0.30	0.39	0.84	1.64	0.42	0.42	0.51	1.10	2.15
	BF	0.53	0.33	0.10	0.10	0.00	0.55	0.35	0.12	0.12	0.00	0.57	0.38	0.15	0.15	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-12

		CFM @ 80 F EDB														
SET (F)		900					1200					1500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	33.62	40.37	51.87	65.00	79.66	42.20	49.00	62.73	78.35	95.70	49.82	56.24	71.50	89.34	108.60
	SHC	33.62	33.03	31.80	30.48	28.89	42.20	41.22	39.12	36.80	34.09	49.82	48.60	45.45	42.16	38.14
	LDB	45.7	46.4	47.8	49.2	51.0	47.7	48.6	50.3	52.2	54.3	49.5	50.4	52.4	54.5	57.0
	LWB	41.7	45.2	47.0	48.9	51.0	42.8	46.9	49.2	51.6	54.3	43.6	48.3	51.1	53.8	56.9
	PD	0.92	1.35	2.21	3.42	5.10	1.47	2.01	3.27	5.03	7.41	2.06	2.68	4.29	6.58	9.55
	BF	0.20	0.08	0.09	0.00	0.00	0.24	0.11	0.11	0.00	0.00	0.29	0.13	0.14	0.00	0.00
40	TC	29.43	32.41	43.64	56.79	71.51	36.95	39.45	52.70	68.45	85.98	43.68	45.35	60.34	78.13	97.69
	SHC	29.43	29.20	28.03	26.84	25.41	36.95	36.67	34.67	32.59	30.13	43.68	43.36	40.61	37.55	33.91
	LDB	50.0	50.3	51.6	52.9	54.5	51.7	52.1	53.7	55.4	57.3	53.3	53.6	55.4	57.3	59.6
	LWB	43.9	49.0	50.8	52.5	54.4	44.7	50.2	52.5	54.7	57.2	45.5	51.3	53.9	56.5	59.4
	PD	0.64	0.78	1.40	2.34	3.67	1.01	1.17	2.07	3.45	5.37	1.43	1.55	2.73	4.53	6.98
	BF	0.30	0.09	0.09	0.00	0.00	0.34	0.11	0.11	0.18	0.00	0.37	0.14	0.13	0.18	0.00
45	TC	25.16	25.29	34.76	47.63	62.37	31.63	31.71	41.93	57.43	74.96	37.39	37.49	47.98	65.52	85.30
	SHC	25.16	25.26	24.27	23.07	21.77	31.63	31.71	30.20	28.21	25.95	37.39	37.49	35.57	32.68	29.39
	LDB	54.33	54.36	55.45	56.76	58.16	55.79	55.86	57.10	58.70	60.49	57.11	57.17	58.43	60.27	62.33
	LWB	45.99	52.09	54.51	56.22	57.98	46.68	52.73	55.84	57.97	60.25	47.29	53.28	56.87	59.37	62.02
	PD	0.43	0.43	0.81	1.48	2.50	0.67	0.67	1.18	2.17	3.66	0.94	0.94	1.56	2.86	4.78
	BF	0.40	0.13	0.08	0.12	0.00	0.43	0.19	0.11	0.14	0.00	0.46	0.23	0.13	0.15	0.00
50	TC	20.66	20.72	25.22	37.59	52.17	26.16	26.23	30.33	45.18	62.62	30.95	31.03	34.66	50.99	71.23
	SHC	20.66	20.72	20.49	19.26	18.04	26.16	26.23	25.67	23.69	21.60	30.95	31.03	30.38	27.44	24.59
	LDB	58.9	59.0	59.3	60.6	61.9	60.0	60.0	60.6	62.1	63.8	61.1	61.1	61.6	63.4	65.2
	LWB	48.1	54.0	58.2	60.0	61.7	48.6	54.5	59.2	61.3	63.5	49.1	54.9	59.9	62.5	64.9
	PD	0.27	0.27	0.40	0.84	1.58	0.43	0.43	0.57	1.22	2.29	0.59	0.59	0.74	1.57	2.99
	BF	0.51	0.29	0.09	0.10	0.00	0.53	0.33	0.11	0.12	0.00	0.56	0.36	0.14	0.14	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-16

		CFM @ 80 F EDB														
SET (F)		1200					1600					2000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	44.99	54.01	69.21	86.51	105.76	56.38	65.41	83.45	103.90	126.49	66.45	74.88	94.88	118.08	142.99
	SHC	44.99	44.15	42.43	40.56	38.31	56.38	55.03	52.08	48.82	44.97	66.45	64.76	60.40	55.77	50.13
	LDB	45.6	46.4	47.8	49.4	51.2	47.7	48.6	50.4	52.3	54.6	49.5	50.4	52.5	54.7	57.4
	LWB	41.7	45.2	47.1	49.0	51.2	42.7	46.9	49.3	51.8	54.6	43.7	48.4	51.2	54.0	57.2
	PD	1.11	1.61	2.62	4.04	5.96	1.76	2.40	3.86	5.88	8.57	2.46	3.18	5.03	7.62	10.93
	BF	0.20	0.08	0.09	0.00	0.00	0.24	0.11	0.12	0.00	0.00	0.29	0.13	0.14	0.00	0.00
40	TC	39.44	43.52	58.44	75.81	95.20	49.47	52.88	70.41	91.10	114.02	58.38	60.67	80.37	103.63	129.11
	SHC	39.44	39.12	37.51	35.82	33.80	49.47	49.05	46.30	43.38	39.92	58.38	57.94	54.11	49.85	44.78
	LDB	49.9	50.3	51.6	53.0	54.6	51.6	52.0	53.7	55.4	57.5	53.2	53.5	55.4	57.4	59.8
	LWB	43.8	48.9	50.7	52.5	54.5	44.7	50.2	52.5	54.8	57.3	45.5	51.2	53.9	56.6	59.6
	PD	0.77	0.96	1.68	2.79	4.34	1.22	1.42	2.47	4.07	6.28	1.70	1.87	3.24	5.30	8.08
	BF	0.29	0.09	0.09	0.00	0.00	0.34	0.11	0.11	0.18	0.00	0.37	0.14	0.13	0.18	0.00
45	TC	33.78	33.98	46.75	63.84	83.28	42.42	42.53	56.25	76.66	99.77	50.09	50.22	64.20	87.23	113.12
	SHC	33.78	33.92	32.55	30.89	29.07	42.42	42.53	40.43	37.65	34.53	50.09	50.22	47.53	43.52	38.96
	LDB	54.21	54.23	55.36	56.71	58.17	55.68	55.74	57.04	58.70	60.55	57.02	57.08	58.40	60.30	62.45
	LWB	45.93	52.03	54.42	56.16	58.00	46.63	52.69	55.77	57.98	60.31	47.25	53.24	56.84	59.40	62.13
	PD	0.52	0.53	0.98	1.79	2.98	0.82	0.82	1.43	2.59	4.33	1.13	1.14	1.88	3.39	5.60
	BF	0.40	0.13	0.09	0.12	0.00	0.43	0.18	0.11	0.14	0.00	0.46	0.23	0.13	0.16	0.00
50	TC	27.75	27.84	34.10	50.54	69.91	35.14	35.24	40.91	60.61	83.63	41.54	41.67	46.66	68.97	94.86
	SHC	27.75	27.84	27.53	25.84	24.17	35.14	35.24	34.43	31.73	28.85	41.54	41.67	40.71	36.93	32.74
	LDB	58.8	58.8	59.2	60.5	61.9	59.9	59.9	60.5	62.1	63.8	60.9	61.0	61.5	63.3	65.3
	LWB	48.1	54.0	58.1	59.9	61.6	48.6	54.4	59.1	61.3	63.5	49.0	54.8	59.8	62.3	64.9
	PD	0.34	0.34	0.50	1.03	1.89	0.53	0.53	0.71	1.48	2.74	0.72	0.72	0.91	1.92	3.54
	BF	0.50	0.29	0.09	0.10	0.00	0.53	0.32	0.11	0.12	0.00	0.55	0.36	0.14	0.14	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-20

		CFM @ 80 F EDB														
SET (F)		1500					2000					2500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	56.35	67.71	86.47	107.94	132.18	70.68	81.89	104.05	129.34	157.88	83.29	93.70	118.37	146.78	178.21
	SHC	56.35	55.31	53.02	50.61	47.88	70.68	68.86	65.00	60.79	56.09	83.29	81.03	75.42	69.37	62.43
	LDB	45.6	46.3	47.8	49.4	51.2	47.6	48.6	50.4	52.5	54.7	49.5	50.4	52.6	54.9	57.5
	LWB	41.7	45.1	47.1	49.1	51.2	42.7	46.9	49.4	51.9	54.6	43.6	48.4	51.2	54.2	57.3
	PD	1.21	1.77	2.84	4.35	6.37	1.91	2.61	4.15	6.28	9.12	2.67	3.43	5.40	8.10	11.58
	BF	0.19	0.08	0.09	0.00	0.00	0.24	0.11	0.11	0.00	0.00	0.28	0.13	0.14	0.00	0.00
40	TC	49.41	54.66	73.04	94.54	118.83	62.01	66.33	87.92	113.41	142.00	73.21	76.14	100.26	128.79	160.55
	SHC	49.41	49.02	46.88	44.69	42.19	62.01	61.44	57.84	54.05	49.70	73.21	72.60	67.58	62.03	55.65
	LDB	49.8	50.2	51.6	53.0	54.6	51.6	52.0	53.7	55.5	57.6	53.2	53.5	55.4	57.5	60.0
	LWB	43.8	48.8	50.7	52.6	54.5	44.7	50.1	52.5	54.9	57.4	45.4	51.2	54.0	56.7	59.7
	PD	0.85	1.05	1.84	3.02	4.67	1.33	1.55	2.69	4.37	6.70	1.87	2.04	3.51	5.66	8.59
	BF	0.29	0.09	0.09	0.00	0.00	0.33	0.11	0.11	0.17	0.00	0.37	0.14	0.13	0.17	0.00
45	TC	42.33	42.60	58.57	79.64	103.90	53.18	53.33	70.46	95.53	124.22	62.79	62.96	80.34	108.57	140.56
	SHC	42.33	42.50	40.73	38.55	36.26	53.18	53.33	50.59	46.96	42.99	62.79	62.96	59.45	54.24	48.41
	LDB	54.13	54.17	55.33	56.74	58.21	55.63	55.69	57.03	58.76	60.65	56.98	57.03	58.41	60.38	62.57
	LWB	45.90	52.00	54.38	56.20	58.04	46.60	52.66	55.76	58.04	60.40	47.23	53.22	56.84	59.48	62.25
	PD	0.57	0.58	1.08	1.94	3.22	0.89	0.90	1.57	2.81	4.65	1.24	1.25	2.04	3.64	5.97
	BF	0.39	0.13	0.09	0.12	0.00	0.43	0.18	0.11	0.14	0.00	0.46	0.22	0.13	0.15	0.00
50	TC	34.92	35.04	42.95	63.25	87.22	44.16	44.28	51.59	75.67	104.17	52.18	52.31	58.73	85.95	118.01
	SHC	34.92	35.04	34.52	32.33	30.15	44.16	44.28	43.20	39.64	35.94	52.18	52.31	51.04	46.08	40.75
	LDB	58.7	58.7	59.1	60.5	61.9	59.8	59.8	60.4	62.1	63.8	60.9	60.9	61.5	63.3	65.3
	LWB	48.0	53.9	58.0	59.9	61.7	48.5	54.4	59.0	61.3	63.5	49.0	54.8	59.8	62.4	65.0
	PD	0.39	0.39	0.56	1.12	2.06	0.58	0.58	0.79	1.61	2.96	0.80	0.80	1.01	2.08	3.81
	BF	0.50	0.28	0.09	0.10	0.00	0.53	0.32	0.11	0.12	0.00	0.55	0.36	0.14	0.14	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-30

		CFM @ 80 F EDB														
SET (F)		2250					3000					3750				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	93.50	115.16	143.46	174.47	208.70	117.14	138.76	171.97	208.09	247.50	138.06	157.95	194.80	234.72	278.00
	SHC	93.50	90.81	86.77	81.96	76.33	117.14	112.70	105.79	97.75	88.46	138.06	132.25	122.24	110.80	97.75
	LDB	41.9	43.1	44.9	47.0	49.4	44.2	45.7	47.9	50.4	53.4	46.3	47.8	50.4	53.3	56.5
	LWB	39.8	42.4	44.4	46.7	49.3	41.0	44.6	47.2	50.1	53.3	42.0	46.4	49.4	52.7	56.4
	PD	2.72	4.05	6.06	8.60	11.74	4.20	5.80	8.54	11.92	15.98	5.75	7.41	10.75	14.83	19.58
	BF	0.11	0.05	0.07	0.00	0.00	0.16	0.07	0.09	0.00	0.00	0.21	0.09	0.10	0.00	0.00
40	TC	83.41	97.36	126.11	157.61	192.33	104.80	117.81	151.54	188.44	228.94	123.97	134.74	172.16	213.04	257.39
	SHC	83.41	82.03	78.50	74.21	69.12	104.80	102.64	96.43	89.19	80.81	123.97	121.30	112.21	101.76	89.72
	LDB	46.0	46.7	48.3	50.1	52.3	48.0	48.8	50.7	53.1	55.7	49.7	50.5	52.8	55.5	58.5
	LWB	41.9	45.9	47.7	49.8	52.2	42.9	47.6	50.0	52.6	55.6	43.8	49.0	51.8	54.9	58.3
	PD	1.98	2.68	4.32	6.49	9.23	3.08	3.87	6.16	9.10	12.74	4.26	5.00	7.84	11.42	15.75
	BF	0.20	0.05	0.06	0.00	0.00	0.25	0.07	0.08	0.00	0.00	0.29	0.09	0.10	0.15	0.00
45	TC	73.02	77.88	106.56	138.49	173.70	92.01	95.10	128.29	165.94	207.14	109.13	110.48	146.05	187.99	233.85
	SHC	73.02	72.79	69.77	65.96	61.40	92.01	91.74	86.40	79.91	72.29	109.13	109.07	101.25	91.82	80.96
	LDB	50.26	50.49	51.82	53.46	55.40	51.87	52.09	53.81	55.87	58.27	53.35	53.50	55.49	57.87	60.58
	LWB	44.02	49.54	51.24	53.12	55.27	44.80	50.69	52.98	55.38	58.08	45.51	51.58	54.41	57.23	60.32
	PD	1.40	1.59	2.87	4.63	6.97	2.18	2.34	4.10	6.55	9.73	3.04	3.11	5.28	8.31	12.17
	BF	0.30	0.06	0.06	0.10	0.00	0.34	0.08	0.08	0.11	0.00	0.38	0.11	0.10	0.12	0.00
50	TC	62.45	62.66	84.72	116.94	152.57	78.86	79.13	102.08	140.21	182.19	93.72	94.04	116.46	159.14	205.93
	SHC	62.45	62.66	60.70	57.29	53.21	78.86	79.13	75.80	69.93	63.09	93.72	94.04	89.54	80.96	71.08
	LDB	54.6	54.6	55.5	57.0	58.7	55.9	55.9	57.0	58.9	61.1	57.1	57.2	58.3	60.5	63.0
	LWB	46.1	52.2	54.9	56.6	58.5	46.7	52.8	56.2	58.4	60.8	47.3	53.3	57.2	59.8	62.7
	PD	0.95	0.95	1.69	3.06	4.98	1.49	1.50	2.43	4.37	7.01	2.07	2.08	3.15	5.58	8.84
	BF	0.40	0.14	0.05	0.07	0.00	0.44	0.19	0.07	0.09	0.00	0.46	0.23	0.09	0.11	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-40

		CFM @ 80 F EDB														
SET (F)		3000					4000					5000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	115.91	134.51	164.46	196.90	232.24	141.43	156.35	189.56	225.71	264.94	162.55	172.66	207.95	246.62	288.32
	SHC	115.91	111.35	102.74	93.03	82.18	141.43	136.26	122.84	108.21	92.18	162.55	158.09	139.95	120.58	99.56
	LDB	44.5	46.1	48.8	51.9	55.3	47.6	48.9	52.1	55.5	59.2	50.2	51.1	54.5	58.2	62.1
	LWB	41.1	45.2	48.2	51.5	55.1	42.7	47.7	51.2	55.0	59.0	44.0	49.5	53.4	57.5	61.8
	PD	7.55	9.88	13.99	18.87	24.52	10.90	12.96	17.99	23.80	30.32	13.97	15.44	21.10	27.55	34.66
	BF	0.17	0.06	0.07	0.00	0.00	0.24	0.08	0.08	0.12	0.00	0.30	0.10	0.10	0.13	0.00
40	TC	104.70	115.99	147.13	180.58	209.30	128.58	135.83	170.35	207.59	247.48	148.56	151.22	187.59	227.30	270.14
	SHC	104.70	102.58	94.97	86.12	78.07	128.58	126.69	114.64	101.00	85.75	148.56	147.85	131.57	113.22	93.21
	LDB	48.0	48.7	51.2	54.0	56.5	50.5	51.1	54.0	57.2	60.7	52.7	53.0	56.1	59.5	63.2
	LWB	42.9	47.9	50.5	53.6	56.3	44.2	49.8	53.1	56.6	60.5	45.2	51.2	54.9	58.8	62.9
	PD	5.69	6.90	10.53	14.97	19.10	8.38	9.24	13.76	19.15	25.32	10.92	11.25	16.34	22.40	29.19
	BF	0.25	0.06	0.06	0.11	0.00	0.31	0.08	0.08	0.11	0.00	0.36	0.10	0.10	0.12	0.00
45	TC	92.62	95.30	126.83	161.41	198.74	114.57	114.93	147.71	186.10	227.84	133.09	133.45	163.41	204.52	249.38
	SHC	92.62	92.71	86.32	78.38	69.20	114.57	114.92	105.37	92.77	78.77	133.09	133.45	121.97	104.82	86.18
	LDB	51.66	51.77	53.81	56.32	59.19	53.75	53.80	56.08	59.03	62.28	55.58	55.64	57.83	61.04	64.49
	LWB	44.70	50.65	53.15	55.91	59.01	45.70	51.85	55.13	58.44	62.02	46.56	52.62	56.62	60.27	64.15
	PD	4.13	4.36	7.38	11.26	16.04	6.19	6.23	9.79	14.64	20.41	8.18	8.23	11.79	17.32	23.79
	BF	0.34	0.07	0.06	0.09	0.00	0.39	0.12	0.08	0.10	0.00	0.43	0.18	0.10	0.12	0.00
50	TC	77.92	78.43	103.14	138.91	177.46	99.42	99.75	120.90	160.94	204.30	116.17	116.50	134.33	177.45	224.04
	SHC	77.92	78.43	76.78	69.75	61.50	99.42	99.75	94.89	83.54	70.72	116.17	116.50	110.88	95.20	77.87
	LDB	56.2	56.1	56.7	58.9	61.5	57.2	57.3	58.5	61.1	64.1	58.7	58.7	59.9	62.8	66.0
	LWB	46.8	52.8	56.0	58.5	61.3	47.3	53.3	57.5	60.5	63.8	48.0	53.9	58.6	62.0	65.6
	PD	2.87	2.90	4.61	7.88	12.08	4.35	4.37	6.23	10.40	15.60	5.82	5.86	7.60	12.46	18.38
	BF	0.44	0.19	0.06	0.08	0.00	0.47	0.23	0.08	0.09	0.00	0.50	0.28	0.10	0.11	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-60

		CFM @ 80 F EDB														
SET (F)		5000					6000					7000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	236.75	237.52	275.81	332.45	393.82	269.31	270.11	304.17	364.93	430.78	298.51	299.34	327.66	391.83	461.22
	SHC	236.75	237.52	228.10	213.96	197.82	269.31	270.11	259.37	240.58	219.59	298.51	299.34	288.19	264.80	239.08
	LDB	47.4	47.5	49.4	52.1	55.2	49.7	49.7	51.6	54.6	57.9	51.7	51.8	53.5	56.7	60.1
	LWB	36.8	43.9	47.9	51.0	54.5	38.0	45.0	49.7	53.2	57.0	39.1	46.0	51.3	55.0	59.0
	PD	7.51	7.56	9.96	13.77	18.33	9.55	9.61	11.91	16.29	21.43	11.54	11.60	13.64	18.48	24.08
	BF	0.38	0.14	0.07	0.08	0.11	0.41	0.19	0.09	0.10	0.11	0.44	0.23	0.10	0.11	0.12
40	TC	218.05	218.76	243.97	301.91	364.71	248.82	249.57	269.95	332.12	399.67	276.56	277.33	292.34	357.27	428.51
	SHC	218.05	218.76	213.62	200.83	186.07	248.82	249.57	244.12	226.97	207.57	276.56	277.33	272.51	250.89	226.88
	LDB	50.8	50.9	52.0	54.5	57.4	52.8	52.9	53.9	56.7	59.7	54.6	54.7	55.5	58.5	61.7
	LWB	38.7	45.6	50.5	53.4	56.6	39.7	46.5	52.0	55.2	58.7	40.6	47.4	53.2	56.7	60.5
	PD	5.86	5.89	7.26	10.61	14.72	7.51	7.56	8.77	12.65	17.34	9.16	9.21	10.15	14.46	19.62
	BF	0.43	0.21	0.07	0.08	0.09	0.46	0.25	0.09	0.09	0.11	0.48	0.28	0.11	0.11	0.12
45	TC	198.30	198.96	208.56	266.67	330.99	226.92	227.62	233.03	293.97	363.35	252.87	253.60	255.57	316.80	390.20
	SHC	198.30	198.96	197.57	186.47	173.09	226.92	227.62	226.97	211.88	194.10	252.87	253.60	253.77	235.28	213.10
	LDB	54.47	54.54	54.99	57.15	59.72	56.16	56.24	56.53	58.96	61.79	57.73	57.80	57.97	60.51	63.52
	LWB	40.58	47.29	53.23	55.93	58.87	41.45	48.07	54.29	57.44	60.71	42.24	48.77	55.14	58.70	62.22
	PD	4.45	4.48	4.92	7.73	11.33	5.76	5.80	6.07	9.29	13.46	7.07	7.11	7.22	10.69	15.34
	BF	0.48	0.28	0.08	0.08	0.09	0.51	0.31	0.10	0.09	0.10	0.53	0.35	0.13	0.11	0.12
50	TC	177.67	178.26	178.93	226.43	292.20	203.83	204.47	205.14	249.89	321.38	227.65	228.34	229.04	269.83	345.75
	SHC	177.67	178.26	178.93	171.01	158.92	203.83	204.47	205.14	195.32	179.27	227.65	228.34	229.04	218.04	197.80
	LDB	58.3	58.3	58.4	60.0	62.3	59.7	59.8	59.9	61.5	64.0	61.0	61.1	61.2	62.8	65.5
	LWB	42.5	49.0	55.4	58.7	61.4	43.2	49.7	56.0	59.9	62.9	43.9	50.2	56.5	60.9	64.1
	PD	3.29	3.31	3.34	5.21	8.25	4.28	4.30	4.33	6.30	9.87	5.29	5.32	5.35	7.30	11.33
	BF	0.54	0.36	0.13	0.07	0.08	0.56	0.38	0.17	0.09	0.10	0.57	0.41	0.21	0.11	0.11

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-22 DX Coils - BRD-80

		CFM @ 80 F EDB														
SET (F)		7000					8000					9000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	275.94	315.05	391.21	475.70	565.65	304.38	339.57	420.38	509.36	603.52	330.27	361.72	445.82	538.47	636.02
	SHC	275.94	263.91	245.56	225.20	201.17	304.38	291.15	268.16	242.51	212.69	330.27	317.18	289.23	258.24	222.64
	LDB	43.9	45.6	48.1	50.8	54.1	45.1	46.8	49.5	52.5	56.0	46.3	47.8	50.8	54.0	57.7
	LWB	40.8	45.2	47.8	50.6	53.9	41.4	46.3	49.1	52.3	55.9	42.1	47.2	50.3	53.7	57.5
	PD	4.84	6.47	9.64	13.68	18.48	5.91	7.53	11.12	15.61	20.87	6.98	8.52	12.48	17.35	22.99
	BF	0.15	0.03	0.03	0.11	0.00	0.18	0.03	0.04	0.07	0.00	0.21	0.04	0.04	0.07	0.00
40	TC	245.93	264.30	341.41	427.85	520.97	271.94	286.86	367.62	459.02	556.72	295.79	307.06	390.59	486.14	587.51
	SHC	245.93	239.85	223.38	204.94	183.33	271.94	266.23	245.16	221.79	194.68	295.79	291.11	265.61	237.23	204.55
	LDB	47.8	48.7	51.0	53.5	56.4	48.8	49.6	52.1	54.9	58.1	49.9	50.5	53.2	56.1	59.5
	LWB	42.8	48.2	50.7	53.3	56.2	43.3	49.0	51.7	54.6	57.9	43.8	49.7	52.7	55.8	59.3
	PD	3.49	4.15	6.77	10.23	14.57	4.29	4.89	7.86	11.76	16.57	5.10	5.59	8.88	13.16	18.36
	BF	0.25	0.03	0.03	0.06	0.00	0.27	0.04	0.03	0.06	0.00	0.29	0.05	0.04	0.06	0.00
45	TC	214.18	215.66	283.10	371.83	467.77	237.32	238.09	305.40	399.67	500.73	258.61	259.44	324.75	424.05	529.29
	SHC	214.18	214.66	198.89	182.50	163.18	237.32	238.09	219.46	198.59	174.11	258.61	259.44	238.82	213.47	183.74
	LDB	51.95	52.04	54.19	56.41	59.00	52.80	52.85	55.07	57.54	60.40	53.65	53.70	55.89	58.54	61.61
	LWB	44.84	51.04	53.84	56.16	58.83	45.24	51.44	54.66	57.25	60.21	45.64	51.80	55.40	58.20	61.40
	PD	2.42	2.47	4.30	7.14	10.86	2.99	3.01	5.02	8.25	12.43	3.55	3.59	5.69	9.30	13.86
	BF	0.34	0.06	0.03	0.04	0.00	0.36	0.08	0.03	0.05	0.00	0.38	0.11	0.04	0.05	0.00
50	TC	180.75	181.37	216.41	306.05	405.29	200.68	201.35	234.33	329.05	434.62	219.13	219.77	249.82	349.91	460.23
	SHC	180.75	181.37	172.58	157.79	140.84	200.68	201.35	191.68	172.55	151.08	219.13	219.77	209.73	186.57	160.22
	LDB	56.3	56.4	57.6	59.6	61.9	57.0	57.0	58.3	60.5	63.0	57.7	57.7	58.8	61.3	64.0
	LWB	46.9	52.9	57.2	59.4	61.7	47.2	53.2	57.8	60.2	62.8	47.5	53.5	58.3	60.9	63.8
	PD	1.61	1.62	2.35	4.48	7.53	1.98	1.99	2.75	5.19	8.68	2.35	2.37	3.14	5.88	9.74
	BF	0.45	0.20	0.03	0.04	0.00	0.46	0.22	0.04	0.04	0.00	0.48	0.25	0.04	0.05	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-08

		CFM @ 80 F EDB														
SET (F)		600					800					1000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	21.59	26.10	32.56	39.98	48.02	26.44	30.75	38.21	46.59	56.32	30.61	34.49	42.64	52.01	63.00
	SHC	21.59	20.83	19.78	18.63	17.13	26.44	25.23	23.60	21.75	19.84	30.61	29.04	26.81	24.38	21.90
	LDB	47.0	48.3	50.0	51.9	54.2	49.7	51.2	53.2	55.4	57.7	51.9	53.5	55.6	57.9	60.3
	LWB	42.4	45.8	48.5	51.2	54.2	43.8	48.0	51.1	54.3	57.6	44.8	49.6	53.0	56.6	60.1
	PD	1.32	1.94	2.98	4.37	6.10	1.98	2.71	4.09	5.90	8.28	2.67	3.41	5.08	7.29	10.21
	BF	0.23	0.17	0.19	0.00	0.00	0.29	0.21	0.23	0.00	0.00	0.34	0.25	0.26	0.00	0.00
40	TC	19.16	21.78	28.20	35.50	43.63	23.48	25.76	33.08	41.36	50.70	27.23	28.99	36.95	45.85	56.67
	SHC	19.16	18.74	17.74	16.66	15.38	23.48	22.88	21.28	19.55	17.60	27.23	26.51	24.30	21.90	19.48
	LDB	50.7	51.5	53.1	54.9	56.9	53.1	53.9	55.8	57.9	60.2	55.0	55.8	57.9	60.2	62.5
	LWB	44.3	48.9	51.4	54.0	56.8	45.4	50.5	53.5	56.7	60.0	46.3	51.8	55.1	58.7	62.1
	PD	0.94	1.23	2.03	3.15	4.58	1.41	1.72	2.81	4.26	6.15	1.91	2.18	3.49	5.21	7.60
	BF	0.31	0.17	0.18	0.00	0.00	0.37	0.21	0.22	0.00	0.00	0.42	0.24	0.26	0.32	0.00
45	TC	16.70	17.33	23.48	30.37	38.75	20.48	20.73	27.52	35.40	44.89	23.76	23.82	30.75	39.38	49.52
	SHC	16.70	16.62	15.68	14.55	13.45	20.48	20.43	18.91	17.21	15.42	23.76	23.82	21.71	19.43	16.92
	LDB	54.49	54.74	56.25	58.05	59.81	56.54	56.71	58.53	60.55	62.65	58.22	58.28	60.28	62.44	64.79
	LWB	46.07	51.82	54.36	57.07	59.60	47.03	52.95	56.06	59.22	62.29	47.80	53.74	57.33	60.79	64.28
	PD	0.66	0.71	1.29	2.12	3.31	0.99	1.01	1.77	2.88	4.42	1.33	1.33	2.22	3.54	5.36
	BF	0.40	0.18	0.18	0.22	0.00	0.45	0.22	0.22	0.25	0.00	0.49	0.27	0.25	0.28	0.00
50	TC	14.17	14.21	18.46	25.19	33.19	17.43	17.47	21.62	29.35	38.50	20.23	20.29	24.16	32.70	42.60
	SHC	14.17	14.21	13.63	12.54	11.42	17.43	17.47	16.55	14.93	13.18	20.23	20.29	19.11	16.96	14.58
	LDB	58.3	58.4	59.4	61.1	62.9	60.0	60.1	61.2	63.1	65.2	61.5	61.5	62.7	64.7	66.9
	LWB	47.9	53.8	57.3	60.0	62.5	48.6	54.5	58.6	61.7	64.7	49.3	55.0	59.5	62.9	66.3
	PD	0.44	0.45	0.74	1.34	2.25	0.66	0.67	1.01	1.82	3.01	0.89	0.89	1.26	2.25	3.65
	BF	0.49	0.27	0.17	0.19	0.00	0.53	0.33	0.22	0.23	0.00	0.57	0.37	0.25	0.27	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = $EDB - SHC (MBH) / 1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-12

		CFM @ 80 F EDB														
SET (F)		900					1200					1500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	32.47	39.32	48.86	60.02	72.18	39.80	46.46	57.47	70.13	84.88	46.13	52.18	64.29	78.47	95.10
	SHC	32.47	31.35	29.69	28.00	25.77	39.80	38.03	35.50	32.75	29.92	46.13	43.83	40.39	36.79	33.11
	LDB	46.9	48.1	49.9	51.8	54.1	49.5	51.0	53.0	55.2	57.5	51.8	53.3	55.5	57.8	60.1
	LWB	42.3	45.7	48.4	51.1	54.1	43.7	47.8	51.0	54.2	57.5	44.8	49.5	52.9	56.4	59.9
	PD	1.26	1.85	2.83	4.11	5.72	1.89	2.59	3.87	5.54	7.75	2.54	3.25	4.79	6.85	9.56
	BF	0.22	0.16	0.19	0.00	0.00	0.29	0.21	0.22	0.00	0.00	0.34	0.24	0.26	0.00	0.00
40	TC	28.81	32.84	42.40	53.31	65.55	35.35	38.78	49.87	62.33	76.41	41.02	43.78	55.83	69.36	85.54
	SHC	28.81	28.20	26.67	25.03	23.13	35.35	34.38	32.05	29.47	26.55	41.02	39.93	36.65	33.10	29.44
	LDB	50.6	51.3	53.0	54.8	56.8	52.9	53.8	55.7	57.7	60.0	54.9	55.7	57.8	60.0	62.3
	LWB	44.2	48.8	51.3	53.9	56.8	45.3	50.4	53.4	56.6	59.9	46.2	51.7	55.0	58.5	62.0
	PD	0.91	1.19	1.94	2.98	4.31	1.36	1.65	2.68	4.02	5.79	1.83	2.09	3.33	4.94	7.15
	BF	0.31	0.16	0.18	0.00	0.00	0.37	0.21	0.22	0.00	0.00	0.41	0.24	0.25	0.32	0.00
45	TC	25.08	26.09	35.38	45.86	58.26	30.82	31.25	41.61	53.67	67.74	35.79	35.88	46.58	59.84	75.09
	SHC	25.08	25.00	23.59	21.95	20.24	30.82	30.73	28.53	26.03	23.29	35.79	35.88	32.79	29.44	25.66
	LDB	54.41	54.62	56.13	57.89	59.71	56.41	56.60	58.37	60.35	62.50	58.09	58.14	60.11	62.23	64.59
	LWB	46.03	51.76	54.27	56.92	59.51	46.97	52.88	55.94	59.03	62.16	47.74	53.68	57.21	60.61	64.10
	PD	0.64	0.69	1.25	2.03	3.14	0.96	0.99	1.71	2.76	4.19	1.28	1.28	2.14	3.40	5.10
	BF	0.40	0.17	0.17	0.22	0.00	0.45	0.22	0.22	0.25	0.00	0.49	0.26	0.25	0.28	0.00
50	TC	21.23	21.27	27.81	37.93	50.15	26.19	26.25	32.66	44.30	58.39	30.46	30.54	36.52	49.45	64.74
	SHC	21.23	21.27	20.50	18.88	17.25	26.19	26.25	24.94	22.50	19.99	30.46	30.54	28.81	25.60	22.14
	LDB	58.3	58.4	59.3	61.0	62.7	60.0	60.0	61.1	63.0	65.0	61.4	61.4	62.5	64.6	66.7
	LWB	47.9	53.8	57.3	59.9	62.4	48.6	54.5	58.5	61.6	64.5	49.2	55.0	59.5	62.8	66.1
	PD	0.44	0.44	0.73	1.29	2.15	0.65	0.65	0.99	1.76	2.89	0.86	0.86	1.23	2.18	3.52
	BF	0.49	0.27	0.17	0.19	0.00	0.53	0.32	0.21	0.23	0.00	0.56	0.37	0.25	0.26	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-16

		CFM @ 80 F EDB														
SET (F)		1200					1600					2000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	43.01	51.41	63.58	77.85	94.07	52.36	60.05	73.85	90.86	109.46	60.29	66.75	82.43	101.10	121.35
	SHC	43.01	41.35	38.86	36.29	33.48	52.36	49.87	46.08	42.46	38.33	60.29	57.18	52.43	47.52	41.94
	LDB	47.2	48.5	50.5	52.6	54.8	50.0	51.5	53.8	56.0	58.4	52.3	53.9	56.1	58.5	61.1
	LWB	42.5	46.1	49.0	51.9	54.8	43.9	48.4	51.7	54.9	58.3	45.0	50.0	53.6	57.1	60.8
	PD	2.75	3.92	5.80	8.28	11.46	4.05	5.28	7.69	10.99	15.01	5.29	6.45	9.42	13.32	18.14
	BF	0.23	0.16	0.18	0.00	0.00	0.30	0.20	0.22	0.00	0.00	0.35	0.24	0.25	0.00	0.00
40	TC	38.30	43.23	55.42	69.34	85.40	46.74	50.60	64.50	80.62	99.39	53.95	56.62	71.45	89.74	110.35
	SHC	38.30	37.41	35.10	32.60	29.97	46.74	45.41	41.93	38.23	34.38	53.95	52.54	47.67	42.99	37.82
	LDB	50.7	51.6	53.4	55.4	57.5	53.2	54.1	56.2	58.4	60.6	55.2	56.0	58.3	60.5	63.0
	LWB	44.3	49.0	51.7	54.5	57.4	45.5	50.7	53.9	57.1	60.4	46.4	52.0	55.6	59.0	62.6
	PD	1.99	2.54	4.07	6.07	8.73	2.94	3.46	5.42	8.06	11.52	3.89	4.29	6.59	9.82	13.89
	BF	0.31	0.16	0.17	0.00	0.00	0.37	0.20	0.21	0.34	0.00	0.42	0.24	0.25	0.32	0.00
45	TC	33.49	34.64	46.62	60.20	75.77	40.94	41.35	54.30	69.56	88.14	47.35	47.45	60.31	77.07	97.89
	SHC	33.49	33.34	31.28	28.88	26.22	40.94	40.86	37.63	33.92	30.22	47.35	47.45	43.08	38.22	33.39
	LDB	54.42	54.66	56.32	58.23	60.33	56.53	56.70	58.63	60.82	62.99	58.28	58.34	60.42	62.71	64.97
	LWB	46.04	51.82	54.46	57.22	60.08	47.03	52.97	56.22	59.47	62.60	47.83	53.77	57.53	61.05	64.44
	PD	1.39	1.50	2.66	4.26	6.37	2.07	2.11	3.58	5.61	8.44	2.75	2.76	4.37	6.80	10.23
	BF	0.40	0.17	0.17	0.22	0.00	0.45	0.22	0.21	0.25	0.00	0.49	0.27	0.25	0.27	0.00
50	TC	28.57	28.65	36.96	50.28	65.74	34.99	35.08	43.06	58.17	75.61	40.53	40.62	47.87	64.24	83.97
	SHC	28.57	28.65	27.36	25.08	22.58	34.99	35.08	33.15	29.71	25.87	40.53	40.62	38.20	33.58	28.72
	LDB	58.2	58.2	59.3	61.1	63.1	59.9	60.0	61.2	63.2	65.5	61.4	61.5	62.6	64.8	67.1
	LWB	47.8	53.7	57.3	60.0	62.7	48.6	54.4	58.6	61.8	65.0	49.2	55.0	59.6	63.1	66.5
	PD	0.95	0.96	1.56	2.77	4.47	1.40	1.40	2.10	3.67	5.83	1.86	1.87	2.59	4.44	7.08
	BF	0.49	0.26	0.17	0.19	0.00	0.53	0.32	0.21	0.23	0.00	0.56	0.37	0.25	0.26	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-20

		CFM @ 80 F EDB														
SET (F)		1500					2000					2500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	53.92	65.11	80.63	99.06	119.20	66.05	76.89	94.76	115.66	139.95	76.51	86.40	105.96	129.20	156.70
	SHC	53.92	52.00	49.11	46.23	42.49	66.05	63.07	58.68	54.07	49.29	76.51	72.68	66.75	60.67	54.52
	LDB	47.0	48.3	50.2	52.1	54.4	49.7	51.2	53.3	55.5	57.8	51.9	53.5	55.7	58.0	60.4
	LWB	42.4	45.9	48.7	51.4	54.4	43.8	48.0	51.2	54.5	57.8	44.8	49.6	53.1	56.7	60.2
	PD	1.21	1.76	2.67	3.86	5.36	1.80	2.45	3.63	5.19	7.23	2.40	3.07	4.49	6.38	8.89
	BF	0.23	0.17	0.19	0.00	0.00	0.29	0.21	0.22	0.00	0.01	0.34	0.25	0.26	0.00	0.00
40	TC	47.80	54.42	69.97	87.96	108.17	58.62	64.33	82.24	102.70	125.83	68.01	72.43	92.04	114.16	140.78
	SHC	47.80	46.82	44.13	41.34	38.12	58.62	57.11	53.01	48.63	43.68	68.01	66.18	60.61	54.59	48.43
	LDB	50.8	51.5	53.3	55.0	57.1	53.1	53.9	55.9	58.0	60.3	55.1	55.8	58.0	60.3	62.6
	LWB	44.3	48.9	51.5	54.2	57.1	45.4	50.5	53.6	56.8	60.1	46.3	51.8	55.2	58.7	62.2
	PD	0.88	1.13	1.84	2.81	4.06	1.30	1.57	2.53	3.77	5.40	1.74	1.98	3.13	4.62	6.65
	BF	0.32	0.17	0.18	0.00	0.00	0.37	0.21	0.22	0.00	0.00	0.42	0.25	0.26	0.32	0.00
45	TC	41.51	43.09	58.42	75.83	96.09	51.05	51.69	68.64	88.50	111.57	59.31	59.44	76.84	98.51	123.46
	SHC	41.51	41.39	39.07	36.35	33.36	51.05	50.92	47.21	43.02	38.35	59.31	59.44	54.26	48.60	42.19
	LDB	54.63	54.83	56.33	58.07	59.97	56.60	56.78	58.56	60.55	62.75	58.25	58.32	60.29	62.43	64.82
	LWB	46.14	51.88	54.43	57.09	59.77	47.06	52.98	56.09	59.22	62.40	47.82	53.76	57.34	60.79	64.33
	PD	0.63	0.67	1.18	1.94	2.95	0.92	0.94	1.62	2.61	3.93	1.22	1.23	2.02	3.20	4.76
	BF	0.41	0.18	0.18	0.22	0.00	0.45	0.22	0.22	0.25	0.00	0.49	0.27	0.25	0.28	0.00
50	TC	34.78	34.88	45.77	62.76	82.89	43.22	43.35	53.84	73.26	96.24	50.37	50.49	60.28	81.59	106.54
	SHC	34.78	34.88	33.87	31.27	28.51	43.22	43.35	41.26	37.26	32.96	50.37	50.49	47.70	42.33	36.46
	LDB	58.7	58.8	59.5	61.2	62.9	60.2	60.2	61.3	63.2	65.2	61.5	61.6	62.7	64.7	66.9
	LWB	48.1	54.0	57.4	60.0	62.6	48.7	54.5	58.6	61.7	64.7	49.3	55.1	59.6	62.9	66.3
	PD	0.43	0.43	0.70	1.24	2.05	0.63	0.63	0.95	1.68	2.72	0.83	0.83	1.17	2.07	3.31
	BF	0.50	0.28	0.18	0.19	0.00	0.54	0.33	0.22	0.23	0.00	0.57	0.38	0.26	0.27	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-30

		CFM @ 80 F EDB														
SET (F)		2250					3000					3750				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	82.63	100.43	124.40	152.80	183.80	101.41	118.93	146.43	178.81	216.64	117.85	134.02	164.18	200.88	243.30
	SHC	82.63	79.83	75.57	71.32	65.76	101.41	97.00	90.39	83.53	76.49	117.85	112.06	103.06	94.17	84.90
	LDB	46.3	47.6	49.4	51.3	53.6	49.0	50.5	52.6	54.8	57.0	51.2	52.7	55.0	57.3	59.6
	LWB	42.1	45.4	48.1	50.7	53.6	43.4	47.5	50.7	53.8	57.0	44.5	49.1	52.6	56.0	59.5
	PD	1.31	1.96	2.97	4.29	5.95	1.98	2.73	4.05	5.78	8.07	2.67	3.44	5.03	7.18	9.96
	BF	0.21	0.16	0.17	0.00	0.00	0.27	0.20	0.21	0.00	0.00	0.33	0.23	0.24	0.00	0.00
40	TC	73.38	84.17	108.12	135.94	167.00	90.12	99.57	127.37	159.14	195.30	104.86	112.46	142.96	177.36	219.17
	SHC	73.38	71.92	67.92	63.82	59.05	90.12	87.76	81.71	75.20	68.00	104.86	102.08	93.65	84.58	75.57
	LDB	50.1	50.8	52.6	54.3	56.3	52.4	53.3	55.2	57.3	59.6	54.4	55.2	57.3	59.6	61.9
	LWB	44.0	48.4	51.0	53.6	56.3	45.1	50.1	53.1	56.2	59.4	46.0	51.4	54.7	58.2	61.6
	PD	0.94	1.24	2.04	3.12	4.50	1.42	1.74	2.81	4.22	6.06	1.91	2.22	3.51	5.19	7.49
	BF	0.30	0.15	0.17	0.00	0.00	0.35	0.20	0.21	0.00	0.00	0.40	0.23	0.24	0.31	0.00
45	TC	64.02	66.80	90.53	117.51	148.67	78.67	80.03	106.61	137.51	173.08	91.61	92.00	119.70	153.46	192.78
	SHC	64.02	63.75	60.18	56.17	51.74	78.67	78.39	72.82	66.58	59.59	91.61	91.59	83.90	75.37	65.96
	LDB	53.93	54.17	55.70	57.41	59.29	55.95	56.16	57.94	59.91	62.11	57.63	57.75	59.70	61.85	64.19
	LWB	45.80	51.50	53.95	56.51	59.11	46.75	52.65	55.65	58.68	61.79	47.53	53.48	56.94	60.32	63.74
	PD	0.66	0.72	1.30	2.15	3.28	0.98	1.02	1.81	2.92	4.39	1.34	1.35	2.27	3.60	5.39
	BF	0.39	0.16	0.16	0.22	0.00	0.44	0.21	0.20	0.24	0.00	0.48	0.25	0.24	0.27	0.00
50	TC	54.51	54.67	71.54	97.64	128.62	67.06	67.24	84.11	114.15	149.72	78.12	78.29	94.36	127.43	166.20
	SHC	54.51	54.67	52.40	48.43	44.29	67.06	67.24	63.78	57.75	51.30	78.12	78.29	73.86	65.73	56.87
	LDB	57.8	57.8	58.9	60.5	62.3	59.5	59.5	60.7	62.6	64.6	60.9	61.0	62.1	64.2	66.4
	LWB	47.6	53.6	57.0	59.5	62.0	48.4	54.3	58.3	61.2	64.2	49.0	54.8	59.2	62.5	65.8
	PD	0.44	0.44	0.75	1.37	2.27	0.66	0.66	1.03	1.87	3.05	0.89	0.89	1.30	2.33	3.73
	BF	0.48	0.25	0.16	0.18	0.00	0.52	0.31	0.20	0.22	0.00	0.55	0.36	0.24	0.25	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-40

		CFM @ 80 F EDB														
SET (F)		3000					4000					5000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	114.96	138.81	170.94	207.88	253.45	141.60	164.56	202.03	245.06	299.94	164.40	185.35	226.45	275.94	336.41
	SHC	114.96	110.38	104.12	97.63	91.19	141.60	134.77	125.37	115.45	106.28	164.40	156.07	143.29	130.73	117.69
	LDB	44.8	46.3	48.4	50.5	52.5	47.6	49.2	51.5	53.9	56.0	49.8	51.5	53.9	56.3	58.8
	LWB	41.3	44.6	47.3	50.1	52.5	42.7	46.8	50.0	53.2	56.0	43.8	48.5	52.0	55.4	58.7
	PD	2.37	3.40	4.98	7.01	9.66	3.51	4.67	6.74	9.40	12.99	4.62	5.78	8.25	11.57	15.86
	BF	0.18	0.12	0.13	0.00	0.00	0.24	0.16	0.17	0.00	0.01	0.29	0.19	0.19	0.29	0.00
40	TC	100.76	115.21	146.25	179.75	226.32	124.37	136.78	173.49	214.10	267.33	144.50	154.02	195.07	240.42	300.43
	SHC	100.76	98.56	92.28	85.19	80.23	124.37	121.10	112.02	102.22	93.44	144.50	140.83	128.91	116.01	104.06
	LDB	49.2	50.0	52.0	54.2	55.8	51.5	52.4	54.5	56.9	59.0	53.5	54.3	56.6	59.0	61.2
	LWB	43.5	48.0	50.7	53.7	55.8	44.6	49.7	52.8	56.0	58.8	45.6	51.0	54.4	57.9	61.0
	PD	1.75	2.24	3.49	5.06	7.33	2.57	3.08	4.74	6.86	9.85	3.39	3.84	5.84	8.41	12.06
	BF	0.28	0.13	0.14	0.20	0.00	0.33	0.16	0.17	0.21	0.00	0.38	0.20	0.20	0.22	0.00
45	TC	82.50	88.22	118.11	150.49	191.27	104.47	107.59	140.35	178.88	227.21	122.14	123.49	157.76	201.21	255.56
	SHC	82.50	84.76	79.49	72.88	66.79	104.47	105.80	97.29	87.96	78.72	122.14	123.30	112.49	100.56	88.21
	LDB	54.75	54.19	55.89	57.99	59.92	56.06	55.88	57.91	60.12	62.29	57.59	57.49	59.55	61.81	64.12
	LWB	46.19	51.59	54.24	57.19	59.83	46.80	52.57	55.81	59.05	62.07	47.50	53.39	57.03	60.50	63.79
	PD	1.23	1.34	2.25	3.49	5.22	1.81	1.87	3.05	4.69	6.97	2.37	2.40	3.76	5.74	8.55
	BF	0.41	0.16	0.15	0.16	0.00	0.44	0.20	0.18	0.19	0.00	0.48	0.24	0.21	0.21	0.00
50	TC	55.03	55.39	85.08	117.73	153.33	77.33	77.55	104.21	140.87	184.14	94.76	95.00	118.63	159.19	208.79
	SHC	55.03	55.39	64.09	59.87	53.23	77.33	77.55	80.98	73.02	63.85	94.76	95.00	95.04	84.13	72.49
	LDB	63.2	63.1	60.6	61.9	64.0	62.3	62.3	61.6	63.5	65.7	62.6	62.7	62.7	64.8	67.0
	LWB	50.0	55.7	58.1	60.8	63.8	49.6	55.4	58.9	62.1	65.3	49.8	55.5	59.7	63.1	66.5
	PD	0.71	0.71	1.26	2.15	3.40	1.12	1.12	1.75	2.93	4.64	1.51	1.52	2.17	3.63	5.71
	BF	0.61	0.43	0.20	0.18	0.00	0.58	0.40	0.22	0.21	0.00	0.59	0.41	0.25	0.24	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-60

		CFM @ 80 F EDB														
SET (F)		5000					6000					7000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	175.83	210.99	262.76	321.08	387.77	200.24	234.81	290.72	353.87	428.75	222.63	255.19	315.22	384.21	465.30
	SHC	175.83	169.61	160.25	149.85	137.88	200.24	192.07	179.30	165.36	151.30	222.63	212.33	196.59	179.89	162.73
	LDB	47.7	49.0	50.8	52.8	55.1	49.4	50.8	52.8	55.0	57.3	50.8	52.3	54.4	56.7	59.0
	LWB	42.8	46.4	49.2	52.1	55.1	43.6	47.7	50.8	54.1	57.3	44.3	48.8	52.1	55.5	58.9
	PD	1.58	2.26	3.42	4.91	6.83	2.03	2.79	4.15	5.90	8.22	2.51	3.26	4.83	6.86	9.51
	BF	0.24	0.18	0.20	0.00	0.00	0.28	0.20	0.22	0.00	0.01	0.32	0.22	0.24	0.00	0.00
40	TC	156.15	176.33	227.73	284.98	349.50	177.88	196.60	252.44	315.13	386.69	197.81	214.19	273.92	340.52	419.51
	SHC	156.15	152.94	144.08	134.13	122.65	177.88	174.07	161.98	148.99	134.46	197.81	193.14	178.23	161.90	144.88
	LDB	51.4	52.1	53.8	55.7	57.9	52.8	53.5	55.4	57.5	59.8	54.1	54.8	56.8	59.1	61.4
	LWB	44.6	49.3	51.9	54.8	57.8	45.3	50.3	53.2	56.4	59.6	45.9	51.1	54.3	57.7	61.1
	PD	1.12	1.43	2.35	3.57	5.12	1.45	1.78	2.88	4.31	6.17	1.79	2.10	3.36	4.99	7.16
	BF	0.33	0.17	0.19	0.00	0.00	0.36	0.20	0.21	0.00	0.00	0.39	0.22	0.24	0.32	0.00
45	TC	136.27	140.56	190.28	246.86	311.07	155.34	157.68	210.96	272.81	342.63	172.71	174.00	228.98	295.02	369.75
	SHC	136.27	135.91	127.89	118.49	107.69	155.34	155.03	144.34	132.05	117.87	172.71	172.63	159.40	144.09	126.63
	LDB	55.00	55.19	56.75	58.55	60.59	56.25	56.42	58.13	60.08	62.31	57.37	57.50	59.31	61.38	63.72
	LWB	46.30	52.10	54.74	57.48	60.35	46.89	52.80	55.77	58.80	61.97	47.40	53.33	56.64	59.89	63.28
	PD	0.78	0.83	1.50	2.46	3.74	1.00	1.05	1.84	2.98	4.49	1.24	1.26	2.16	3.47	5.17
	BF	0.41	0.18	0.18	0.23	0.00	0.44	0.21	0.21	0.25	0.00	0.47	0.24	0.23	0.27	0.00
50	TC	116.17	116.50	149.90	205.47	269.13	132.38	132.76	165.99	227.01	296.42	147.22	147.56	179.99	245.50	319.56
	SHC	116.17	116.50	111.52	102.56	92.43	132.38	132.76	126.38	114.75	101.53	147.22	147.56	140.02	125.67	109.32
	LDB	58.7	58.7	59.7	61.4	63.4	59.8	59.8	60.9	62.7	64.8	60.7	60.8	61.8	63.8	66.0
	LWB	48.0	53.9	57.6	60.2	63.0	48.5	54.4	58.4	61.3	64.3	48.9	54.7	59.0	62.1	65.4
	PD	0.52	0.52	0.86	1.57	2.59	0.67	0.67	1.05	1.91	3.11	0.83	0.83	1.23	2.23	3.59
	BF	0.50	0.28	0.18	0.20	0.00	0.53	0.32	0.21	0.23	0.00	0.55	0.35	0.23	0.25	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Standard Capacity R-410A Coils - BRD-80

		CFM @ 80 F EDB														
SET (F)		7000					8000					9000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	256.88	303.64	375.89	459.46	553.32	282.20	326.78	405.21	495.13	595.56	305.69	348.17	431.16	526.53	631.52
	SHC	256.88	243.91	225.69	207.56	187.99	282.20	267.40	246.20	224.60	201.05	305.69	289.84	265.11	239.92	211.97
	LDB	48.1	49.6	51.7	53.9	56.4	49.2	50.7	52.9	55.3	57.9	50.2	51.7	54.0	56.5	59.2
	LWB	43.0	46.7	49.5	52.3	55.3	43.5	47.7	50.6	53.6	56.9	44.0	48.5	51.6	54.8	58.2
	PD	4.08	5.59	8.15	11.48	15.51	4.87	6.40	9.33	13.06	17.63	5.65	7.18	10.44	14.53	19.62
	BF	0.21	0.13	0.15	0.00	0.00	0.24	0.15	0.16	0.00	0.00	0.27	0.16	0.17	0.00	0.00
40	TC	229.38	256.17	328.41	409.08	504.04	252.24	276.86	352.46	439.97	542.13	273.59	295.27	374.58	468.29	574.80
	SHC	229.38	222.11	204.28	185.88	167.69	252.24	244.74	222.86	201.46	179.72	273.59	266.13	240.52	216.00	189.95
	LDB	51.8	52.6	54.6	56.8	59.0	52.7	53.5	55.6	57.9	60.3	53.5	54.3	56.6	58.9	61.4
	LWB	44.8	49.6	52.2	55.0	57.8	45.2	50.2	53.2	56.1	59.1	45.6	50.9	54.0	57.1	60.3
	PD	2.98	3.70	5.80	8.53	12.05	3.57	4.28	6.62	9.73	13.67	4.17	4.82	7.40	10.86	15.18
	BF	0.30	0.13	0.14	0.00	0.00	0.32	0.15	0.16	0.24	0.00	0.35	0.16	0.17	0.23	0.00
45	TC	201.08	207.19	276.67	354.65	447.91	221.50	225.43	297.81	381.72	481.83	240.50	242.88	316.49	406.10	512.26
	SHC	201.08	199.97	182.56	163.88	145.97	221.50	220.82	200.27	178.38	156.98	240.50	240.33	216.77	191.81	166.89
	LDB	55.46	55.66	57.47	59.63	61.79	56.18	56.34	58.29	60.55	62.83	56.88	57.00	59.06	61.36	63.75
	LWB	46.53	52.30	54.94	57.73	60.45	46.87	52.74	55.67	58.65	61.56	47.20	53.12	56.33	59.44	62.53
	PD	2.08	2.23	3.86	6.02	8.96	2.52	2.62	4.43	6.88	10.20	2.96	3.03	4.95	7.70	11.36
	BF	0.38	0.14	0.14	0.17	0.00	0.41	0.16	0.15	0.18	0.00	0.43	0.18	0.17	0.20	0.00
50	TC	172.23	172.75	220.84	299.05	387.64	189.90	190.45	237.69	320.60	416.83	206.45	207.00	252.78	339.79	443.02
	SHC	172.23	172.75	160.96	142.84	124.11	189.90	190.45	177.28	155.62	133.93	206.45	207.00	192.64	167.47	142.81
	LDB	59.2	59.3	60.4	62.4	64.6	59.8	59.8	61.0	63.2	65.4	60.4	60.4	61.6	63.9	66.2
	LWB	48.3	54.2	57.7	60.4	63.1	48.5	54.4	58.3	61.1	64.1	48.8	54.6	58.8	61.8	64.8
	PD	1.40	1.41	2.29	4.01	6.31	1.70	1.71	2.65	4.57	7.21	2.00	2.01	2.98	5.10	8.04
	BF	0.47	0.24	0.13	0.15	0.00	0.49	0.27	0.15	0.17	0.00	0.51	0.29	0.17	0.18	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-08

		CFM @ 80 F EDB														
SET (F)		600					800					1000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	23.22	28.77	36.93	46.26	56.81	29.39	35.38	45.41	56.72	69.54	34.93	41.12	52.64	65.59	80.23
	SHC	23.22	22.94	22.32	21.70	20.88	29.39	28.79	27.74	26.56	25.13	34.93	34.11	32.52	30.73	28.65
	LDB	44.5	45.1	46.1	47.2	48.6	46.3	47.1	48.4	49.9	51.6	48.0	48.9	50.4	52.1	54.2
	LWB	41.1	43.9	45.4	46.9	48.6	42.1	45.5	47.4	49.5	51.6	42.9	46.9	49.1	51.6	54.2
	PD	0.48	0.75	1.25	1.96	2.97	0.78	1.17	1.93	3.02	4.52	1.13	1.61	2.65	4.08	6.04
	BF	0.17	0.08	0.10	0.00	0.00	0.21	0.11	0.13	0.00	0.00	0.25	0.13	0.15	0.00	0.00
40	TC	20.34	23.25	31.20	40.41	50.99	25.72	28.54	38.21	49.53	62.28	30.56	33.17	44.26	57.11	71.78
	SHC	20.34	20.24	19.62	19.00	18.35	25.72	25.49	24.43	23.37	22.10	30.56	30.30	28.75	27.09	25.20
	LDB	48.9	49.2	50.3	51.3	52.4	50.5	50.9	52.2	53.5	55.1	52.0	52.4	53.9	55.5	57.3
	LWB	43.4	47.9	49.4	50.9	52.4	44.2	49.1	51.1	53.0	55.0	44.9	50.1	52.4	54.7	57.2
	PD	0.33	0.44	0.78	1.32	2.12	0.53	0.67	1.21	2.05	3.22	0.76	0.92	1.65	2.75	4.30
	BF	0.27	0.09	0.09	0.00	0.00	0.31	0.11	0.12	0.00	0.00	0.34	0.14	0.14	0.23	0.00
45	TC	17.44	17.78	25.11	34.06	44.50	22.06	22.19	30.63	41.57	54.26	26.19	26.27	35.38	47.99	62.40
	SHC	17.44	17.52	16.96	16.30	15.66	22.06	22.11	21.19	20.08	18.91	26.19	26.26	25.02	23.41	21.60
	LDB	53.36	53.37	54.31	55.41	56.47	54.72	54.79	55.94	57.29	58.70	55.99	56.05	57.27	58.83	60.55
	LWB	45.53	51.52	53.34	54.89	56.34	46.17	52.25	54.66	56.59	58.52	46.77	52.81	55.70	57.95	60.30
	PD	0.21	0.22	0.45	0.83	1.42	0.35	0.36	0.68	1.27	2.17	0.50	0.50	0.93	1.72	2.89
	BF	0.38	0.11	0.09	0.13	0.00	0.41	0.15	0.11	0.15	0.00	0.44	0.19	0.14	0.17	0.00
50	TC	14.38	14.43	18.56	27.24	37.38	18.33	18.39	22.59	33.07	45.38	21.78	21.85	25.99	38.01	52.16
	SHC	14.38	14.43	14.31	13.63	12.95	18.33	18.39	17.99	16.83	15.66	21.78	21.85	21.32	19.68	17.97
	LDB	58.0	58.1	58.3	59.5	60.6	59.0	59.0	59.6	61.0	62.4	60.0	60.1	60.7	62.2	63.8
	LWB	47.7	53.7	57.3	58.8	60.3	48.2	54.1	58.2	60.2	62.1	48.6	54.5	58.9	61.2	63.5
	PD	0.13	0.13	0.23	0.47	0.89	0.22	0.22	0.34	0.71	1.33	0.31	0.31	0.45	0.95	1.79
	BF	0.49	0.26	0.09	0.11	0.00	0.51	0.29	0.12	0.13	0.00	0.53	0.33	0.14	0.15	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-12

		CFM @ 80 F EDB														
SET (F)		900					1200					1500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	35.29	44.05	56.33	70.33	85.95	44.67	54.21	69.26	86.17	105.13	53.19	63.09	80.19	99.52	121.19
	SHC	35.29	34.88	33.95	32.99	31.67	44.67	43.78	42.16	40.33	38.06	53.19	51.92	49.38	46.60	43.33
	LDB	44.0	44.5	45.6	46.7	48.1	45.8	46.6	48.0	49.5	51.3	47.4	48.3	50.0	51.8	53.9
	LWB	40.9	43.4	44.9	46.4	48.1	41.8	45.1	47.0	49.1	51.3	42.6	46.4	48.8	51.2	53.9
	PD	0.66	1.04	1.68	2.62	3.87	1.07	1.60	2.61	3.97	5.81	1.53	2.20	3.51	5.32	7.70
	BF	0.16	0.08	0.10	0.00	0.00	0.20	0.11	0.12	0.00	0.00	0.24	0.13	0.14	0.00	0.00
40	TC	31.01	35.88	47.93	61.81	77.49	39.27	44.05	58.79	75.63	94.65	46.74	51.16	67.79	87.23	109.06
	SHC	31.01	30.88	29.94	29.03	27.95	39.27	38.89	37.31	35.63	33.65	46.74	46.22	43.78	41.29	38.34
	LDB	48.4	48.6	49.7	50.7	51.9	49.9	50.4	51.7	53.1	54.7	51.4	51.8	53.4	55.0	56.9
	LWB	43.1	47.4	48.9	50.3	51.9	43.9	48.7	50.6	52.5	54.6	44.6	49.7	52.0	54.3	56.8
	PD	0.44	0.61	1.08	1.80	2.80	0.73	0.94	1.66	2.73	4.22	1.05	1.29	2.25	3.65	5.61
	BF	0.26	0.08	0.09	0.00	0.00	0.30	0.11	0.12	0.00	0.00	0.33	0.13	0.14	0.00	0.00
45	TC	26.74	27.53	38.80	52.38	68.16	33.81	34.24	47.35	63.98	83.00	40.23	40.42	54.76	73.76	95.45
	SHC	26.74	26.82	25.94	24.98	24.04	33.81	33.91	32.40	30.77	28.98	40.23	40.34	38.28	35.82	33.08
	LDB	52.72	52.77	53.76	54.82	55.87	54.12	54.18	55.43	56.75	58.20	55.37	55.43	56.78	58.36	60.10
	LWB	45.22	51.12	52.84	54.32	55.74	45.89	51.92	54.20	56.08	58.02	46.47	52.53	55.27	57.52	59.86
	PD	0.30	0.32	0.64	1.15	1.94	0.48	0.49	0.96	1.74	2.90	0.69	0.70	1.30	2.35	3.85
	BF	0.36	0.10	0.09	0.14	0.00	0.39	0.13	0.11	0.15	0.00	0.42	0.17	0.13	0.17	0.00
50	TC	22.44	22.51	29.12	42.15	57.61	28.34	28.41	35.37	51.30	70.06	33.66	33.75	40.70	59.07	80.39
	SHC	22.44	22.51	22.01	20.94	19.99	28.34	28.41	27.63	25.89	24.19	33.66	33.75	32.74	30.28	27.68
	LDB	57.1	57.1	57.8	58.9	60.0	58.3	58.4	59.1	60.5	61.8	59.4	59.4	60.2	61.7	63.4
	LWB	47.3	53.3	56.8	58.3	59.7	47.8	53.8	57.7	59.7	61.6	48.3	54.2	58.5	60.8	63.0
	PD	0.19	0.19	0.32	0.66	1.22	0.30	0.31	0.48	1.00	1.85	0.43	0.43	0.65	1.34	2.45
	BF	0.46	0.23	0.08	0.11	0.00	0.49	0.27	0.11	0.13	0.00	0.52	0.31	0.13	0.15	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-16

		CFM @ 80 F EDB														
SET (F)		1200					1600					2000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	47.23	58.94	75.24	93.74	114.39	59.70	72.49	92.29	114.56	139.55	70.95	84.12	106.59	132.06	160.45
	SHC	47.23	46.64	45.34	43.96	42.12	59.70	58.50	56.20	53.62	50.47	70.95	69.22	65.68	61.83	57.30
	LDB	43.9	44.5	45.6	46.8	48.3	45.8	46.6	48.0	49.6	51.5	47.4	48.4	50.1	52.0	54.1
	LWB	40.8	43.4	44.9	46.5	48.3	41.8	45.0	47.0	49.2	51.5	42.6	46.4	48.8	51.4	54.1
	PD	0.78	1.23	2.01	3.10	4.55	1.27	1.91	3.07	4.65	6.77	1.83	2.61	4.12	6.19	8.91
	BF	0.15	0.08	0.11	0.00	0.00	0.20	0.11	0.13	0.00	0.00	0.24	0.13	0.14	0.00	0.00
40	TC	41.51	48.11	64.14	82.60	103.27	52.50	59.07	78.58	100.82	125.83	62.44	68.37	90.83	116.09	144.67
	SHC	41.51	41.33	40.05	38.79	37.24	52.50	52.04	49.84	47.48	44.71	62.44	61.69	58.56	54.95	50.82
	LDB	48.3	48.6	49.6	50.7	52.0	49.9	50.3	51.7	53.1	54.8	51.3	51.8	53.4	55.1	57.1
	LWB	43.1	47.3	48.8	50.3	52.0	43.8	48.6	50.5	52.5	54.7	44.5	49.7	52.0	54.4	56.9
	PD	0.53	0.73	1.30	2.15	3.31	0.87	1.13	1.99	3.22	4.94	1.25	1.53	2.68	4.29	6.53
	BF	0.26	0.08	0.09	0.00	0.00	0.29	0.11	0.12	0.00	0.00	0.33	0.13	0.14	0.00	0.00
45	TC	35.81	36.96	52.06	70.29	91.02	45.27	45.88	63.50	85.57	110.67	53.82	54.10	73.36	98.40	127.00
	SHC	35.81	35.92	34.74	33.52	32.10	45.27	45.38	43.35	41.14	38.63	53.82	53.96	51.17	47.78	44.00
	LDB	52.65	52.71	53.69	54.72	55.88	54.05	54.12	55.37	56.71	58.23	55.31	55.37	56.73	58.36	60.17
	LWB	45.19	51.06	52.77	54.23	55.75	45.85	51.88	54.13	56.04	58.05	46.44	52.50	55.22	57.52	59.92
	PD	0.36	0.38	0.76	1.38	2.30	0.57	0.60	1.16	2.08	3.42	0.83	0.84	1.56	2.78	4.53
	BF	0.36	0.10	0.09	0.14	0.00	0.39	0.13	0.11	0.15	0.00	0.42	0.17	0.13	0.17	0.00
50	TC	30.09	30.19	39.14	56.65	77.24	37.98	38.09	47.64	68.81	93.66	45.12	45.22	54.78	79.11	107.26
	SHC	30.09	30.19	29.51	28.10	26.80	37.98	38.09	37.03	34.68	32.33	45.12	45.22	43.85	40.50	36.92
	LDB	57.0	57.1	57.7	58.8	59.9	58.2	58.3	59.0	60.4	61.8	59.3	59.4	60.1	61.7	63.4
	LWB	47.3	53.2	56.7	58.2	59.7	47.8	53.7	57.7	59.6	61.5	48.3	54.2	58.5	60.7	63.0
	PD	0.23	0.23	0.39	0.80	1.48	0.36	0.36	0.59	1.20	2.20	0.51	0.52	0.78	1.61	2.90
	BF	0.46	0.22	0.08	0.11	0.00	0.49	0.27	0.11	0.13	0.00	0.52	0.30	0.13	0.15	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = $EDB - SHC (MBH) / 1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-20

		CFM @ 80 F EDB														
SET (F)		1500					2000					2500				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	56.24	73.40	93.89	117.04	143.13	70.14	90.16	114.88	142.89	174.25	82.90	104.47	132.55	164.45	199.94
	SHC	55.24	53.83	52.25	50.47	48.00	69.77	67.30	64.37	61.11	56.72	82.87	79.37	74.90	69.96	63.50
	LDB	43.5	44.4	45.5	46.7	48.3	45.3	46.5	47.9	49.5	51.6	46.8	48.2	50.0	51.9	54.3
	LWB	41.7	43.5	45.0	46.6	48.3	42.8	45.2	47.2	49.3	51.6	43.7	46.6	49.0	51.5	54.3
	PD	0.78	1.34	2.18	3.34	4.89	1.23	2.06	3.30	4.99	7.23	1.73	2.79	4.39	6.58	9.45
	BF	0.10	0.09	0.15	0.00	0.00	0.13	0.11	0.15	0.00	0.00	0.17	0.13	0.16	0.00	0.00
40	TC	48.02	59.98	80.02	103.18	128.98	60.71	73.44	97.89	125.71	156.94	72.10	85.06	112.89	144.57	180.10
	SHC	48.02	47.30	45.65	44.04	41.81	60.71	59.31	56.52	53.47	49.58	72.10	70.22	66.03	61.43	55.72
	LDB	47.9	48.4	49.5	50.6	52.1	49.4	50.2	51.5	53.0	54.9	50.8	51.6	53.2	55.0	57.1
	LWB	44.2	47.4	48.9	50.4	52.1	45.0	48.7	50.7	52.7	54.9	45.6	49.8	52.1	54.5	57.1
	PD	0.51	0.81	1.42	2.33	3.57	0.82	1.22	2.15	3.47	5.29	1.17	1.66	2.87	4.60	6.94
	BF	0.20	0.08	0.11	0.00	0.00	0.24	0.11	0.13	0.00	0.00	0.28	0.13	0.15	0.00	0.00
45	TC	40.85	45.46	64.90	87.58	113.66	51.59	55.64	79.08	106.68	138.03	61.26	64.48	91.13	122.68	158.27
	SHC	40.85	40.64	39.00	37.37	35.58	51.59	51.21	48.44	45.62	42.28	61.26	60.84	56.88	52.67	47.64
	LDB	52.26	52.50	53.58	54.65	55.82	53.58	53.87	55.21	56.57	58.16	54.76	55.03	56.55	58.15	60.05
	LWB	46.34	51.28	52.85	54.33	55.82	46.95	52.24	54.23	56.15	58.16	47.50	53.01	55.35	57.62	60.05
	PD	0.34	0.42	0.84	1.50	2.49	0.54	0.63	1.26	2.25	3.68	0.76	0.86	1.68	2.98	4.84
	BF	0.32	0.09	0.09	0.00	0.00	0.36	0.11	0.12	0.00	0.00	0.39	0.14	0.14	0.00	0.00
50	TC	33.65	33.76	48.61	70.57	96.53	42.42	42.54	59.04	85.73	117.05	50.29	50.44	67.88	98.49	134.16
	SHC	33.65	33.76	32.40	30.69	29.06	42.42	42.54	40.47	37.62	34.62	50.29	50.44	47.74	43.61	39.10
	LDB	56.7	56.7	57.6	58.7	59.8	57.8	57.8	58.8	60.2	61.6	58.8	58.8	59.9	61.4	63.1
	LWB	48.4	54.2	56.8	58.3	59.7	48.9	54.7	57.8	59.7	61.6	49.3	55.1	58.6	60.8	63.1
	PD	0.21	0.22	0.43	0.88	1.61	0.33	0.33	0.63	1.30	2.38	0.47	0.47	0.84	1.73	3.13
	BF	0.44	0.17	0.09	0.15	0.00	0.47	0.22	0.12	0.16	0.00	0.50	0.26	0.14	0.18	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-30

		CFM @ 80 F EDB														
SET (F)		2250					3000					3750				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	97.79	124.12	154.79	188.86	227.14	123.76	152.36	189.27	230.38	277.31	147.43	176.17	217.89	265.83	319.12
	SHC	97.61	95.46	92.49	88.96	84.84	123.76	119.50	114.15	108.04	101.46	147.43	141.11	133.01	124.51	114.83
	LDB	40.2	41.2	42.6	44.1	45.9	42.2	43.6	45.3	47.3	49.4	44.0	45.7	47.8	49.9	52.4
	LWB	38.9	40.6	42.2	44.0	45.9	39.9	42.6	44.7	47.0	49.4	40.9	44.3	46.9	49.5	52.4
	PD	1.98	3.12	4.71	6.73	9.24	3.11	4.66	6.88	9.70	13.21	4.37	6.11	8.92	12.52	16.85
	BF	0.07	0.05	0.07	0.00	0.00	0.11	0.07	0.09	0.00	0.00	0.16	0.09	0.11	0.00	0.00
40	TC	86.87	104.86	135.83	170.00	208.06	110.30	128.91	166.20	207.04	253.83	131.73	149.48	191.53	238.55	292.30
	SHC	86.87	85.67	83.09	79.86	76.03	110.30	107.91	103.09	97.28	91.13	131.73	128.24	120.74	112.44	103.51
	LDB	44.6	45.2	46.4	47.8	49.5	46.3	47.1	48.7	50.6	52.6	47.8	48.8	50.7	52.9	55.1
	LWB	41.2	44.5	45.9	47.6	49.5	42.0	46.0	48.0	50.2	52.5	42.8	47.4	49.8	52.3	55.0
	PD	1.42	2.05	3.33	5.02	7.15	2.26	3.07	4.90	7.25	10.27	3.19	4.09	6.41	9.40	13.21
	BF	0.17	0.05	0.06	0.00	0.00	0.21	0.07	0.08	0.00	0.00	0.25	0.09	0.10	0.00	0.00
45	TC	75.95	83.92	114.90	149.18	187.36	96.61	103.55	140.70	181.76	227.62	115.56	120.71	162.30	208.63	262.13
	SHC	75.95	75.74	73.43	70.51	67.00	96.61	96.00	91.67	86.39	80.27	115.56	114.70	107.96	99.97	91.52
	LDB	49.07	49.29	50.33	51.61	53.13	50.46	50.79	52.20	53.90	55.86	51.78	52.13	53.86	55.89	58.03
	LWB	43.44	48.45	49.78	51.31	53.04	44.12	49.56	51.40	53.45	55.71	44.75	50.51	52.80	55.29	57.82
	PD	1.00	1.21	2.19	3.56	5.35	1.58	1.82	3.26	5.18	7.68	2.25	2.46	4.29	6.72	9.93
	BF	0.28	0.05	0.06	0.00	0.00	0.31	0.07	0.08	0.14	0.00	0.34	0.10	0.10	0.14	0.00
50	TC	64.81	65.08	91.81	126.07	164.36	82.71	83.01	112.47	153.56	199.40	99.06	99.39	129.83	176.31	228.29
	SHC	64.81	65.08	63.56	60.90	57.71	82.71	83.01	79.91	75.05	69.37	99.06	99.39	94.70	87.34	78.93
	LDB	53.6	53.6	54.3	55.5	56.9	54.7	54.8	55.8	57.4	59.2	55.8	55.9	57.1	59.0	61.1
	LWB	45.6	51.8	53.7	55.1	56.7	46.2	52.3	54.9	56.8	59.0	46.7	52.7	56.0	58.3	60.8
	PD	0.68	0.68	1.30	2.35	3.81	1.07	1.08	1.93	3.46	5.49	1.52	1.53	2.57	4.50	7.07
	BF	0.38	0.11	0.05	0.08	0.00	0.41	0.15	0.08	0.10	0.00	0.43	0.19	0.10	0.12	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-40

		CFM @ 80 F EDB														
SET (F)		3000					4000					5000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	124.60	152.08	187.69	227.69	272.11	155.23	181.50	223.40	270.11	320.79	181.45	205.43	251.54	303.07	357.60
	SHC	124.60	120.02	113.73	106.85	99.04	155.23	148.15	138.04	126.89	114.05	181.45	173.10	158.71	143.17	125.15
	LDB	41.9	43.4	45.4	47.6	50.1	44.4	46.2	48.6	51.3	54.3	46.7	48.4	51.1	54.0	57.4
	LWB	39.8	42.6	44.9	47.4	50.1	41.1	45.0	47.8	50.8	54.2	42.2	46.8	50.0	53.4	57.2
	PD	5.89	8.51	12.26	16.89	22.36	8.85	11.76	16.71	22.63	29.84	11.73	14.62	20.47	27.56	35.97
	BF	0.11	0.06	0.07	0.00	0.00	0.17	0.08	0.09	0.00	0.00	0.22	0.10	0.11	0.00	0.00
40	TC	111.74	130.10	166.17	206.41	251.44	139.75	156.02	197.82	245.42	297.62	163.95	176.34	223.27	276.02	332.55
	SHC	111.74	109.21	103.51	97.15	90.04	139.75	136.05	126.42	116.26	104.64	163.95	159.50	146.31	132.04	115.53
	LDB	45.8	46.7	48.6	50.6	52.9	48.0	49.0	51.3	53.7	56.4	49.9	50.9	53.4	56.1	59.2
	LWB	41.8	45.9	48.0	50.3	52.8	42.9	47.7	50.4	53.2	56.2	43.8	49.2	52.2	55.4	58.9
	PD	4.34	5.82	9.00	13.02	17.94	6.63	8.16	12.39	17.67	24.01	8.90	10.22	15.34	21.58	29.26
	BF	0.20	0.06	0.07	0.00	0.00	0.25	0.08	0.09	0.20	0.00	0.30	0.10	0.11	0.16	0.00
45	TC	98.35	105.54	142.21	182.27	227.95	123.51	127.88	169.49	217.05	270.24	145.43	147.08	191.16	244.49	303.20
	SHC	98.35	97.73	92.80	86.80	80.39	123.51	122.82	114.21	104.68	94.06	145.43	145.19	132.90	119.64	104.72
	LDB	49.90	50.24	51.83	53.76	55.80	51.70	52.00	54.05	56.32	58.81	53.31	53.49	55.83	58.33	61.13
	LWB	43.85	49.29	51.19	53.37	55.65	44.72	50.59	53.13	55.77	58.60	45.49	51.57	54.64	57.61	60.83
	PD	3.09	3.56	6.18	9.55	13.86	4.80	5.14	8.57	13.09	18.67	6.51	6.65	10.68	16.15	22.84
	BF	0.30	0.06	0.06	0.11	0.00	0.34	0.08	0.08	0.12	0.00	0.38	0.11	0.10	0.14	0.00
50	TC	84.47	84.79	115.17	155.72	200.96	106.61	106.97	137.94	184.76	238.77	125.91	126.30	155.74	208.36	268.36
	SHC	84.47	84.79	81.53	76.14	69.99	106.61	106.97	101.41	92.22	82.55	125.91	126.30	118.84	106.16	92.49
	LDB	54.2	54.2	55.3	57.0	58.9	55.6	55.6	57.0	59.2	61.4	56.9	56.9	58.4	60.8	63.3
	LWB	45.9	52.0	54.6	56.6	58.8	46.6	52.6	56.0	58.6	61.2	47.2	53.2	57.2	60.0	63.0
	PD	2.12	2.13	3.81	6.57	10.18	3.30	3.33	5.37	9.03	13.86	4.55	4.58	6.76	11.24	17.00
	BF	0.39	0.13	0.06	0.08	0.00	0.43	0.18	0.08	0.10	0.00	0.46	0.22	0.10	0.12	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-60

		CFM @ 80 F EDB														
SET (F)		5000					6000					7000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	251.91	253.26	306.60	372.78	447.04	289.34	290.27	343.26	417.13	499.00	323.56	324.53	375.51	455.48	543.78
	SHC	251.91	252.54	242.78	232.35	220.70	289.34	290.27	277.48	263.50	247.63	323.56	324.53	309.68	291.84	271.70
	LDB	44.6	44.7	46.7	48.7	51.0	46.6	46.7	48.8	51.1	53.6	48.4	48.5	50.6	53.1	55.9
	LWB	35.2	42.5	45.3	47.8	50.4	36.3	43.5	47.1	49.8	52.8	37.3	44.4	48.5	51.6	54.9
	PD	5.68	5.74	8.18	11.48	15.55	7.35	7.39	10.05	14.01	18.79	9.02	9.07	11.83	16.34	21.91
	BF	0.34	0.09	0.07	0.08	0.00	0.37	0.13	0.09	0.10	0.17	0.40	0.16	0.10	0.11	0.16
40	TC	230.69	231.51	270.11	335.29	409.89	265.55	266.39	301.67	375.35	457.80	297.40	298.30	330.18	410.20	499.45
	SHC	230.69	231.51	225.47	215.23	204.53	265.55	266.39	258.21	245.01	230.40	297.40	298.30	289.14	272.33	253.79
	LDB	48.5	48.6	49.9	51.9	54.0	50.2	50.3	51.7	53.9	56.3	51.9	52.0	53.3	55.7	58.2
	LWB	37.4	44.5	48.4	50.8	53.3	38.3	45.3	49.9	52.5	55.4	39.2	46.1	51.1	54.0	57.1
	PD	4.37	4.40	5.88	8.64	12.18	5.69	5.72	7.24	10.60	14.80	7.01	7.05	8.54	12.43	17.22
	BF	0.40	0.16	0.07	0.08	0.12	0.42	0.20	0.09	0.10	0.12	0.44	0.23	0.10	0.11	0.13
45	TC	208.94	209.66	229.18	294.58	368.18	240.84	241.62	257.84	328.64	411.45	270.24	271.07	282.83	359.14	448.88
	SHC	208.94	209.66	207.02	197.76	187.45	240.84	241.62	238.67	225.54	212.07	270.24	271.07	267.94	251.56	234.38
	LDB	52.51	52.58	53.25	55.08	57.10	54.03	54.10	54.74	56.87	59.06	55.44	55.52	56.11	58.38	60.75
	LWB	39.55	46.38	51.66	53.91	56.32	40.34	47.08	52.75	55.41	58.06	41.07	47.73	53.71	56.63	59.54
	PD	3.27	3.30	3.94	6.20	9.16	4.30	4.32	4.91	7.60	11.20	5.34	5.37	5.83	8.95	13.08
	BF	0.45	0.24	0.07	0.08	0.10	0.47	0.27	0.09	0.09	0.11	0.50	0.30	0.11	0.11	0.12
50	TC	186.58	187.24	189.13	249.76	322.12	215.49	216.18	217.04	278.81	359.56	242.07	242.83	243.65	303.54	392.40
	SHC	186.58	187.24	187.76	179.83	169.78	215.49	216.18	216.94	206.02	192.76	242.07	242.83	243.65	230.19	213.87
	LDB	56.6	56.7	56.8	58.4	60.3	57.9	58.0	58.1	59.9	62.0	59.1	59.2	59.3	61.2	63.4
	LWB	41.7	48.3	54.7	57.1	59.5	42.3	48.9	55.3	58.3	60.9	43.0	49.4	55.8	59.3	62.1
	PD	2.40	2.41	2.46	4.16	6.56	3.16	3.18	3.21	5.13	8.03	3.95	3.97	4.00	6.02	9.43
	BF	0.51	0.32	0.09	0.08	0.09	0.53	0.35	0.12	0.09	0.10	0.55	0.37	0.16	0.11	0.12

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - \text{BF}) \times (\text{EDB} - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / \text{CFM} \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - High Capacity R-410A Coils - BRD-80

		CFM @ 80 F EDB														
SET (F)		7000					8000					9000				
		AIR ENTERING TEMPERATURE EWB (F)														
		57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
35	TC	294.81	355.35	444.46	542.41	651.82	327.98	388.30	484.24	590.36	707.10	358.70	418.07	519.76	632.75	756.01
	SHC	294.81	283.69	270.59	255.24	238.06	327.98	314.69	297.46	277.93	255.44	358.70	344.05	322.42	298.36	270.54
	LDB	41.4	43.0	44.8	46.9	49.3	42.4	44.1	46.1	48.5	51.2	43.4	45.1	47.4	49.9	52.9
	LWB	39.5	42.6	44.5	46.7	49.2	40.0	43.6	45.8	48.3	51.0	40.6	44.5	47.0	49.7	52.7
	PD	3.72	5.45	8.20	11.70	16.22	4.59	6.49	9.69	13.72	19.04	5.49	7.50	11.11	15.71	21.70
	BF	0.10	0.03	0.04	0.00	0.00	0.12	0.03	0.04	0.00	0.00	0.14	0.04	0.04	0.00	0.00
40	TC	261.91	297.06	386.05	485.92	595.82	291.72	324.72	420.99	528.46	646.56	319.52	350.44	452.46	566.66	692.01
	SHC	261.91	255.24	243.12	229.63	213.66	291.72	283.96	268.29	250.57	229.92	319.52	311.65	291.95	269.84	244.36
	LDB	45.7	46.7	48.4	50.3	52.4	46.6	47.6	49.5	51.6	54.1	47.4	48.4	50.5	52.8	55.5
	LWB	41.7	46.3	48.1	50.1	52.3	42.2	47.0	49.1	51.4	53.9	42.6	47.7	50.0	52.5	55.3
	PD	2.67	3.51	5.69	8.64	12.39	3.30	4.19	6.76	10.15	14.55	3.96	4.86	7.79	11.62	16.66
	BF	0.20	0.03	0.03	0.00	0.00	0.22	0.03	0.04	0.09	0.00	0.24	0.04	0.04	0.09	0.00
45	TC	227.87	236.47	321.13	421.45	532.73	254.25	260.77	350.37	458.72	578.08	278.80	283.49	376.81	492.22	618.39
	SHC	227.87	226.50	214.62	202.26	187.93	254.25	253.25	237.79	221.60	202.75	278.80	278.51	259.75	239.52	215.93
	LDB	50.16	50.49	52.13	53.83	55.79	50.86	51.12	52.98	54.91	57.15	51.59	51.76	53.76	55.90	58.37
	LWB	43.96	49.86	51.79	53.60	55.63	44.30	50.32	52.57	54.64	56.97	44.65	50.75	53.29	55.58	58.17
	PD	1.85	2.03	3.64	5.98	9.12	2.30	2.45	4.33	7.07	10.69	2.76	2.88	5.01	8.11	12.16
	BF	0.30	0.04	0.03	0.06	0.00	0.32	0.05	0.03	0.06	0.00	0.33	0.06	0.04	0.06	0.00
50	TC	192.48	193.20	248.38	348.75	460.81	215.15	215.93	271.17	379.58	500.26	236.33	237.10	291.40	407.28	535.44
	SHC	192.48	193.20	184.98	173.58	160.60	215.15	215.93	205.87	190.92	173.90	236.33	237.10	225.66	207.12	185.83
	LDB	54.8	54.8	56.0	57.6	59.3	55.3	55.4	56.6	58.4	60.4	55.9	56.0	57.2	59.2	61.4
	LWB	46.2	52.3	55.6	57.3	59.2	46.5	52.5	56.2	58.1	60.2	46.7	52.8	56.7	58.8	61.2
	PD	1.25	1.26	2.06	3.81	6.31	1.54	1.55	2.45	4.49	7.41	1.84	1.85	2.82	5.16	8.45
	BF	0.41	0.15	0.03	0.04	0.00	0.42	0.17	0.03	0.05	0.00	0.44	0.19	0.04	0.05	0.00

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-08 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		600					800					1000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	2.5	1.0	TC	12.8	12.8	14.5	18.1	22.5	15.0	15.0	16.1	19.4	24.0	16.6	16.7	17.4	20.3	25.1
			SHC	12.8	12.8	11.7	10.3	8.9	15.0	15.0	13.9	11.8	9.7	16.6	16.7	15.7	13.2	10.4
			LDB	60.4	60.5	62.6	65.5	68.6	62.8	62.9	64.4	67.4	70.6	64.7	64.8	65.9	68.7	71.9
			LWB	48.8	54.6	59.7	63.9	68.1	49.9	55.6	60.9	65.6	70.0	50.7	56.4	61.8	66.7	71.3
			BF	0.5	0.3	0.2	0.2	0.3	0.6	0.4	0.3	0.2	0.3	0.6	0.5	0.3	0.3	0.3
	4.5	3.0	TC	14.6	15.0	18.5	24.0	30.0	17.6	17.6	20.9	26.8	33.3	20.0	20.1	22.7	28.7	35.7
			SHC	14.6	14.4	13.6	12.6	11.5	17.6	17.6	16.2	14.6	13.0	20.0	20.1	18.5	16.3	14.1
			LDB	57.7	58.2	60.1	62.4	65.1	59.8	59.9	62.1	64.7	67.4	61.6	61.7	63.5	66.2	69.1
			LWB	47.6	53.3	57.5	60.9	64.7	48.5	54.4	59.0	62.9	67.0	49.4	55.1	60.1	64.3	68.6
			BF	0.5	0.3	0.2	0.2	0.0	0.5	0.3	0.3	0.3	0.0	0.6	0.4	0.3	0.3	0.3
	6.4	5.9	TC	15.3	15.8	20.6	26.7	33.5	18.7	18.8	23.5	30.4	38.0	21.5	21.5	25.7	33.2	41.3
			SHC	15.3	15.2	14.5	13.7	12.8	18.7	18.8	17.4	16.0	14.7	21.5	21.5	19.8	18.0	16.1
			LDB	56.6	57.0	58.8	60.9	63.4	58.6	58.6	60.8	63.2	65.8	60.3	60.4	62.4	64.9	67.5
			LWB	47.1	52.8	56.3	59.5	63.0	48.0	53.9	57.9	61.6	65.4	48.8	54.6	59.2	63.0	67.1
			BF	0.5	0.2	0.2	0.3	0.0	0.5	0.3	0.2	0.3	0.0	0.5	0.3	0.3	0.3	0.0
	8.4	9.7	TC	15.7	16.5	21.9	28.5	35.7	19.3	19.8	25.4	32.9	41.2	22.4	22.5	28.0	36.3	45.3
			SHC	15.7	15.6	15.0	14.4	13.6	19.3	19.2	18.2	17.0	15.8	22.4	22.5	20.9	19.2	17.6
			LDB	56.0	56.4	58.0	60.0	62.3	57.9	58.2	60.0	62.2	64.7	59.5	59.5	61.6	63.9	66.4
			LWB	46.8	52.4	55.5	58.6	61.9	47.7	53.4	57.2	60.6	64.3	48.4	54.2	58.4	62.1	66.0
			BF	0.4	0.2	0.2	0.3	0.0	0.5	0.3	0.2	0.3	0.0	0.5	0.3	0.3	0.3	0.0

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - \text{BF}) \times (\text{EDB} - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / \text{CFM} \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-08 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		600					800					1000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	2.5	1.3	TC	16.5	16.5	19.0	23.2	28.7	19.5	19.5	21.3	25.0	30.5	21.8	21.8	23.0	26.2	31.5
			SHC	16.5	16.5	14.6	12.8	11.2	19.5	19.5	17.4	14.8	12.2	21.8	21.8	19.9	16.4	13.0
			LDB	54.8	54.9	58.4	62.0	65.6	57.7	57.8	60.6	64.3	68.2	60.1	60.1	62.2	65.9	69.9
			LWB	46.2	52.3	57.1	61.3	65.3	47.6	53.5	58.8	63.6	68.0	48.6	54.5	60.0	65.0	69.6
			BF	0.4	0.2	0.1	0.1	0.0	0.5	0.2	0.1	0.1	0.1	0.5	0.3	0.2	0.1	0.1
	6.6	8.5	TC	19.3	20.5	27.0	35.1	43.9	24.0	24.9	31.4	40.6	50.7	28.1	28.7	34.9	44.6	55.5
			SHC	19.3	19.0	18.3	17.7	17.0	24.0	23.7	22.2	21.0	19.5	28.1	27.8	25.6	23.6	21.5
			LDB	50.6	51.2	53.3	55.3	57.7	52.5	53.1	55.6	58.1	60.9	54.2	54.7	57.4	60.2	63.3
			LWB	44.2	49.8	52.4	54.8	57.5	45.1	51.0	54.5	57.5	60.7	45.9	51.9	56.0	59.5	63.1
			BF	0.3	0.1	0.1	0.1	0.0	0.4	0.1	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0
	10.8	21.0	TC	19.9	21.8	29.6	38.6	48.5	25.2	26.7	35.4	46.1	57.8	29.9	31.0	40.1	52.0	65.0
			SHC	19.9	19.8	19.5	19.3	18.9	25.2	24.9	24.0	23.3	22.3	29.8	29.5	27.9	26.6	25.1
			LDB	49.6	50.1	51.6	53.1	55.0	51.1	51.8	53.7	55.6	58.0	52.6	53.2	55.5	57.7	60.4
			LWB	43.7	48.9	50.8	52.7	54.8	44.5	50.1	52.7	55.1	57.8	45.2	51.0	54.2	57.0	60.2
			BF	0.3	0.1	0.1	0.2	0.0	0.3	0.1	0.1	0.1	0.0	0.4	0.1	0.1	0.1	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-12 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		900					1200					1500				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	3.0	1.0	TC	18.7	18.7	20.5	24.6	30.5	21.5	21.6	22.6	26.2	32.2	23.7	23.7	24.4	27.5	33.3
			SHC	18.7	18.7	17.1	14.6	12.3	21.5	21.6	20.0	16.8	13.4	23.7	23.7	22.3	18.7	14.3
			LDB	60.9	61.0	63.1	66.2	69.5	63.5	63.6	65.0	68.0	71.4	65.5	65.6	66.6	69.2	72.6
			LWB	49.1	54.9	60.1	64.7	69.1	50.2	55.9	61.3	66.2	70.8	51.1	56.7	62.1	67.2	71.9
			BF	0.6	0.4	0.2	0.2	0.2	0.6	0.4	0.3	0.2	0.2	0.7	0.5	0.4	0.3	0.2
	7.6	6.4	TC	23.2	23.8	30.0	38.8	48.4	28.0	28.1	33.9	43.5	54.1	31.9	32.0	37.0	46.9	58.2
			SHC	23.2	22.9	21.6	20.2	18.6	28.0	28.1	25.7	23.4	21.1	31.9	32.0	29.3	26.1	22.9
			LDB	56.4	56.8	58.9	61.3	64.0	58.6	58.7	61.1	63.6	66.4	60.5	60.6	62.7	65.4	68.2
			LWB	47.0	52.8	56.6	60.0	63.6	48.0	53.9	58.3	62.1	66.1	48.8	54.7	59.5	63.6	67.8
			BF	0.4	0.2	0.2	0.2	0.0	0.5	0.3	0.2	0.2	0.0	0.5	0.3	0.3	0.3	0.3
	12.2	15.8	TC	24.4	25.6	33.9	44.0	55.0	29.9	30.6	39.1	50.6	63.1	34.6	34.8	43.0	55.6	69.3
			SHC	24.4	24.3	23.3	22.3	21.1	29.9	29.7	28.0	26.3	24.3	34.6	34.8	32.1	29.5	26.9
			LDB	55.1	55.5	57.3	59.3	61.8	57.2	57.5	59.4	61.7	64.3	58.9	58.9	61.1	63.5	66.1
			LWB	46.4	52.0	55.1	58.1	61.4	47.3	53.1	56.9	60.3	63.9	48.1	54.0	58.2	61.8	65.8
			BF	0.4	0.2	0.2	0.2	0.0	0.5	0.3	0.2	0.3	0.0	0.5	0.3	0.2	0.3	0.0

Notes:

1. SHC is based on 80 F EDB of air entering coil.
 Use the following formulas to correct SHC based on other EDB.
 Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
 SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
 LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-12 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		900					1200					1500				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	3.0	1.3	TC	23.83	23.88	26.60	31.56	38.36	27.79	27.84	29.52	33.68	40.11	30.72	30.76	31.83	35.27	41.13
			SHC	23.83	23.88	21.12	18.07	15.18	27.79	27.84	25.10	20.75	16.45	30.72	30.76	28.39	23.15	17.50
			LDB	55.7	55.8	59.1	63.0	66.9	58.8	58.8	61.3	65.2	69.3	61.2	61.3	63.0	66.7	70.9
			LWB	46.7	52.7	57.9	62.4	66.7	48.1	54.0	59.5	64.5	69.2	49.2	55.0	60.6	65.8	70.7
			BF	0.43	0.18	0.11	0.09	0.13	0.50	0.29	0.15	0.11	0.08	0.56	0.37	0.20	0.13	0.08
	8.3	8.1	TC	28.62	30.10	38.73	50.24	62.76	35.46	36.44	44.73	57.14	71.05	41.22	41.37	49.24	61.92	76.74
			SHC	28.62	28.24	26.69	25.62	24.24	35.46	35.05	32.28	29.99	27.45	41.22	41.37	37.13	33.55	29.87
			LDB	50.8	51.5	54.0	56.2	58.8	52.9	53.4	56.3	59.1	62.2	54.8	54.9	58.1	61.2	64.6
			LWB	44.3	50.1	53.1	55.7	58.7	45.3	51.3	55.2	58.5	62.0	46.2	52.3	56.8	60.5	64.4
			BF	0.32	0.09	0.08	0.10	0.00	0.37	0.13	0.10	0.10	0.00	0.41	0.15	0.12	0.11	0.00
	13.5	19.5	TC	29.77	32.15	43.30	56.39	70.83	37.47	39.37	51.25	66.54	83.30	44.25	45.61	57.39	74.23	92.66
			SHC	29.77	29.46	28.80	28.29	27.52	37.47	37.03	35.26	33.91	32.18	44.24	43.73	40.84	38.53	35.78
			LDB	49.7	50.3	52.0	53.6	55.8	51.4	52.0	54.2	56.3	58.9	53.0	53.5	56.0	58.5	61.4
			LWB	43.7	49.2	51.2	53.3	55.6	44.6	50.3	53.3	55.9	58.8	45.3	51.2	54.9	57.9	61.2
			BF	0.29	0.07	0.07	0.12	0.00	0.33	0.10	0.09	0.11	0.00	0.37	0.14	0.10	0.11	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-16 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		1200					1600					2000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	4.0	1.1	TC	25.04	25.08	27.50	33.07	41.07	28.87	28.91	30.38	35.31	43.38	31.75	31.79	32.75	36.99	44.87
			SHC	25.04	25.08	22.77	19.57	16.46	28.87	28.91	26.72	22.43	17.93	31.75	31.79	29.79	24.95	19.14
			LDB	60.9	60.9	63.1	66.2	69.4	63.5	63.5	65.0	68.0	71.3	65.4	65.5	66.6	69.2	72.5
			LWB	49.0	54.8	60.0	64.6	69.0	50.2	55.9	61.3	66.2	70.8	51.0	56.6	62.1	67.2	71.9
			BF	0.55	0.36	0.25	0.21	0.21	0.61	0.44	0.30	0.24	0.22	0.66	0.51	0.36	0.27	0.24
	10.1	6.7	TC	30.80	31.70	40.06	51.76	64.52	37.21	37.40	45.14	58.04	72.20	42.48	42.55	49.33	62.55	77.71
			SHC	30.80	30.49	28.73	26.86	24.78	37.21	37.40	34.12	31.16	28.07	42.48	42.55	38.92	34.75	30.58
			LDB	56.5	56.9	58.9	61.3	64.0	58.7	58.7	61.1	63.7	66.4	60.5	60.6	62.7	65.4	68.2
			LWB	47.0	52.8	56.6	60.0	63.6	48.0	53.9	58.3	62.1	66.1	48.9	54.7	59.5	63.6	67.8
			BF	0.45	0.24	0.20	0.23	0.00	0.50	0.28	0.24	0.25	0.00	0.54	0.34	0.27	0.26	0.30
	16.2	16.1	TC	32.45	34.10	45.18	58.53	73.18	39.77	40.74	52.12	67.34	84.06	45.97	46.22	57.32	74.05	92.30
			SHC	32.44	32.27	31.00	29.67	28.01	39.75	39.39	37.24	34.90	32.32	45.95	46.22	42.64	39.27	35.82
			LDB	55.2	55.6	57.3	59.4	61.8	57.2	57.6	59.5	61.8	64.3	58.9	58.9	61.2	63.6	66.1
			LWB	46.4	52.0	55.1	58.1	61.4	47.3	53.1	56.9	60.3	64.0	48.1	54.0	58.2	61.9	65.8
			BF	0.42	0.21	0.20	0.26	0.00	0.47	0.26	0.23	0.26	0.00	0.51	0.29	0.25	0.27	0.00

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-16 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		1200					1600					2000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	4.0	1.0	TC	30.5	30.6	33.8	39.9	48.7	35.4	35.5	37.4	42.6	51.0	39.0	39.1	40.3	44.6	52.3
			SHC	30.5	30.6	27.0	23.0	19.3	35.4	35.5	32.0	26.5	21.0	39.0	39.1	36.2	29.6	22.3
			LDB	56.7	56.8	60.0	63.8	67.6	59.7	59.8	62.1	65.9	69.8	62.1	62.2	63.7	67.3	71.3
			LWB	47.1	53.1	58.3	63.0	67.3	48.5	54.4	59.9	64.9	69.6	49.6	55.3	60.9	66.1	71.0
			BF	0.5	0.2	0.1	0.1	0.2	0.5	0.3	0.2	0.1	0.1	0.6	0.4	0.2	0.2	0.1
	10.6	6.9	TC	37.4	39.4	50.5	65.4	81.6	46.2	47.5	58.2	74.3	92.4	53.6	54.5	63.9	80.5	99.8
			SHC	37.4	36.9	34.7	33.3	31.4	46.2	45.6	41.9	38.9	35.6	53.6	53.0	48.1	43.5	38.8
			LDB	51.4	52.1	54.6	56.8	59.5	53.5	54.1	56.9	59.6	62.7	55.4	55.9	58.7	61.7	65.0
			LWB	44.6	50.3	53.5	56.2	59.2	45.6	51.5	55.5	58.9	62.4	46.5	52.5	57.0	60.8	64.7
			BF	0.3	0.1	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0
	17.2	17.2	TC	39.0	42.2	56.6	73.6	92.3	49.0	51.4	66.8	86.7	108.4	57.7	59.5	74.7	96.5	120.4
			SHC	39.0	38.6	37.6	36.8	35.7	49.0	48.3	45.9	44.0	41.7	57.7	56.9	53.1	50.0	46.4
			LDB	50.2	50.9	52.6	54.3	56.4	51.9	52.6	54.8	57.0	59.6	53.6	54.1	56.7	59.1	61.9
			LWB	44.0	49.4	51.6	53.8	56.2	44.8	50.6	53.6	56.3	59.3	45.6	51.5	55.2	58.3	61.7
			BF	0.3	0.1	0.1	0.2	0.0	0.3	0.1	0.1	0.2	0.0	0.4	0.2	0.1	0.2	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-20 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		1500					2000					2500				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	7.0	1.5	TC	30.5	30.6	33.8	39.9	48.7	35.4	35.5	37.4	42.6	51.0	39.0	39.1	40.3	44.6	52.3
			SHC	30.5	30.6	27.0	23.0	19.3	35.4	35.5	32.0	26.5	21.0	39.0	39.1	36.2	29.6	22.3
			LDB	56.7	56.8	60.0	63.8	67.6	59.7	59.8	62.1	65.9	69.8	62.1	62.2	63.7	67.3	71.3
			LWB	47.1	53.1	58.3	63.0	67.3	48.5	54.4	59.9	64.9	69.6	49.6	55.3	60.9	66.1	71.0
			BF	0.5	0.2	0.1	0.1	0.2	0.5	0.3	0.2	0.1	0.1	0.6	0.4	0.2	0.2	0.1
	13.9	5.7	TC	37.4	39.4	50.5	65.4	81.6	46.2	47.5	58.2	74.3	92.4	53.6	54.5	63.9	80.5	99.8
			SHC	37.4	36.9	34.7	33.3	31.4	46.2	45.6	41.9	38.9	35.6	53.6	53.0	48.1	43.5	38.8
			LDB	51.4	52.1	54.6	56.8	59.5	53.5	54.1	56.9	59.6	62.7	55.4	55.9	58.7	61.7	65.0
			LWB	44.6	50.3	53.5	56.2	59.2	45.6	51.5	55.5	58.9	62.4	46.5	52.5	57.0	60.8	64.7
			BF	0.3	0.1	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0
	20.7	11.9	TC	39.0	42.2	56.6	73.6	92.3	49.0	51.4	66.8	86.7	108.4	57.7	59.5	74.7	96.5	120.4
			SHC	39.0	38.6	37.6	36.8	35.7	49.0	48.3	45.9	44.0	41.7	57.7	56.9	53.1	50.0	46.4
			LDB	50.2	50.9	52.6	54.3	56.4	51.9	52.6	54.8	57.0	59.6	53.6	54.1	56.7	59.1	61.9
			LWB	44.0	49.4	51.6	53.8	56.2	44.8	50.6	53.6	56.3	59.3	45.6	51.5	55.2	58.3	61.7
			BF	0.3	0.1	0.1	0.2	0.0	0.3	0.1	0.1	0.2	0.0	0.4	0.2	0.1	0.2	0.0
	27.6	20.3	TC	39.8	43.8	59.5	77.6	97.5	50.3	53.7	71.6	93.0	116.6	59.6	62.3	81.1	105.2	131.6
			SHC	39.8	39.5	39.0	38.6	37.9	50.3	49.7	48.1	46.8	45.0	59.6	58.9	56.0	53.6	50.6
			LDB	49.6	50.2	51.6	53.0	54.9	51.2	51.8	53.7	55.5	57.9	52.7	53.2	55.4	57.6	60.2
			LWB	43.7	48.9	50.7	52.5	54.7	44.5	50.0	52.5	54.9	57.6	45.2	51.0	54.0	56.8	59.9
			BF	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.2	0.0	0.4	0.1	0.1	0.2	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-20 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		1500					2000					2500				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	7.0	2.5	TC	43.4	43.6	52.3	65.0	80.4	52.1	52.2	58.7	70.5	86.3	58.9	59.0	63.8	74.3	89.9
			SHC	43.4	43.6	38.7	34.9	31.1	52.1	52.2	46.2	40.0	34.1	58.9	59.0	52.8	44.5	36.4
			LDB	53.5	53.5	57.2	60.5	63.9	56.1	56.2	59.5	63.1	66.8	58.4	58.5	61.2	64.9	68.7
			LWB	45.6	51.7	56.1	59.9	63.6	46.8	52.9	57.9	62.4	66.6	47.9	53.8	59.2	64.0	68.5
			BF	0.4	0.1	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.2	0.5	0.3	0.2	0.1	0.1
	11.9	6.9	TC	47.2	49.6	63.4	82.0	102.4	58.3	59.9	72.9	92.9	115.4	67.7	67.9	80.2	100.3	124.2
			SHC	47.2	46.5	43.8	41.9	39.5	58.3	57.6	52.9	48.9	44.6	67.7	67.9	60.7	54.6	48.4
			LDB	51.1	51.8	54.4	56.6	59.4	53.3	53.8	56.7	59.5	62.7	55.2	55.2	58.5	61.6	65.0
			LWB	44.5	50.2	53.4	56.1	59.1	45.5	51.4	55.5	58.9	62.4	46.4	52.5	57.0	60.9	64.8
			BF	0.3	0.1	0.1	0.1	0.0	0.4	0.1	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0
	16.7	12.8	TC	48.7	52.2	69.3	90.0	112.8	61.0	63.5	81.0	104.8	130.9	71.6	73.3	90.2	115.6	144.0
			SHC	48.7	48.1	46.5	45.3	43.7	61.0	60.1	56.5	53.8	50.5	71.6	70.7	65.3	60.7	55.6
			LDB	50.2	50.9	52.8	54.7	57.0	52.0	52.7	55.2	57.5	60.3	53.8	54.3	57.0	59.6	62.7
			LWB	44.0	49.5	52.0	54.2	56.8	44.9	50.7	54.1	56.9	60.0	45.7	51.7	55.6	58.9	62.5
			BF	0.3	0.1	0.1	0.1	0.0	0.3	0.1	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0
	21.6	20.4	TC	49.6	53.9	72.8	94.8	119.0	62.5	66.0	86.5	112.3	140.6	73.9	76.4	97.1	125.7	157.0
			SHC	49.6	49.2	48.2	47.4	46.2	62.5	61.7	59.0	57.0	54.3	73.8	72.9	68.4	64.9	60.5
			LDB	49.7	50.3	51.9	53.5	55.6	51.4	52.0	54.1	56.2	58.7	52.9	53.5	55.9	58.3	61.1
			LWB	43.8	49.1	51.1	53.1	55.4	44.6	50.2	53.1	55.6	58.5	45.3	51.2	54.7	57.6	60.9
			BF	0.3	0.1	0.1	0.1	0.0	0.3	0.1	0.1	0.1	0.0	0.4	0.1	0.1	0.1	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - \text{BF}) \times (\text{EDB} - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / \text{CFM} \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-30 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		2250					3000					3750				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	10.6	1.6	TC	58.2	58.4	66.5	81.5	100.9	68.3	68.5	74.3	87.6	108.1	76.2	76.3	80.2	92.5	112.7
			SHC	58.2	58.4	51.2	44.9	39.2	68.3	68.5	61.2	51.7	43.1	76.2	76.3	69.9	57.9	46.3
			LDB	56.3	56.4	59.8	63.2	66.5	59.1	59.2	61.8	65.4	68.9	61.4	61.4	63.3	66.8	70.4
			LWB	46.9	52.9	57.9	62.1	66.1	48.2	54.1	59.4	64.2	68.5	49.2	55.0	60.5	65.4	70.0
			BF	0.4	0.2	0.2	0.2	0.0	0.5	0.3	0.2	0.2	0.2	0.6	0.4	0.2	0.2	0.2
	23.1	6.8	TC	66.8	69.3	87.2	112.5	140.0	81.4	83.2	99.9	127.2	157.9	93.7	94.3	109.6	137.7	170.7
			SHC	66.8	65.6	60.7	57.3	53.5	81.4	80.4	73.2	67.0	60.6	93.7	93.3	84.2	75.2	66.2
			LDB	52.8	53.5	56.3	58.7	61.4	55.1	55.6	58.5	61.3	64.3	57.1	57.3	60.1	63.2	66.3
			LWB	45.3	51.1	54.7	57.7	61.0	46.4	52.3	56.6	60.2	63.9	47.3	53.2	58.0	61.9	65.9
			BF	0.4	0.1	0.1	0.2	0.0	0.4	0.2	0.2	0.2	0.0	0.5	0.2	0.2	0.2	0.0
	35.5	15.2	TC	69.7	73.9	96.8	125.3	156.4	86.2	88.9	112.7	145.4	181.0	100.4	102.4	124.7	160.4	199.4
			SHC	69.6	68.5	65.2	62.8	59.9	86.1	84.9	79.1	74.4	69.2	100.3	99.3	91.1	84.2	76.6
			LDB	51.6	52.4	54.6	56.7	59.1	53.7	54.3	56.8	59.3	62.0	55.5	55.9	58.6	61.2	64.2
			LWB	44.7	50.3	53.2	55.8	58.7	45.7	51.5	55.1	58.2	61.6	46.5	52.4	56.6	60.0	63.8
			BF	0.3	0.1	0.1	0.3	0.0	0.4	0.2	0.2	0.2	0.0	0.4	0.2	0.2	0.2	0.0
	48.0	26.7	TC	71.1	76.3	102.0	132.2	165.3	88.6	92.8	120.5	155.7	194.2	103.8	106.6	134.7	173.8	216.4
			SHC	71.1	70.0	67.7	65.8	63.5	88.6	87.5	82.6	78.8	74.3	103.8	102.7	95.7	89.6	82.9
			LDB	51.0	51.8	53.7	55.5	57.8	52.9	53.5	55.8	58.1	60.6	54.6	55.1	57.5	60.0	62.8
			LWB	44.4	49.9	52.3	54.7	57.4	45.3	51.0	54.2	57.1	60.2	46.1	52.0	55.7	58.9	62.4
			BF	0.3	0.1	0.1	0.0	0.0	0.4	0.2	0.2	0.2	0.0	0.4	0.2	0.2	0.2	0.0

Notes:

1. SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

2. Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-30 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		2250					3000					3750				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	10.6	1.9	TC	67.1	67.0	79.9	97.1	119.8	80.1	80.3	89.5	105.2	127.8	90.3	90.5	97.0	110.7	132.6
			SHC	67.1	67.0	57.4	51.0	45.9	80.1	80.3	68.7	58.8	49.9	90.3	90.5	78.8	65.5	53.2
			LDB	52.7	52.9	57.5	61.0	64.2	55.5	55.6	59.7	63.5	67.1	57.9	58.0	61.3	65.2	69.0
			LWB	45.2	51.5	55.8	59.9	63.8	46.5	52.6	57.8	62.4	66.7	47.7	53.6	59.1	64.0	68.6
			BF	0.4	0.1	0.1	0.2	0.0	0.4	0.2	0.2	0.2	0.0	0.5	0.3	0.2	0.2	0.2
	26.6	10.1	TC	75.7	81.8	107.0	138.5	173.0	94.9	99.6	125.7	161.1	200.4	111.5	115.3	139.8	177.2	219.9
			SHC	75.7	73.7	70.4	68.5	66.6	94.9	92.3	85.6	81.1	76.6	111.5	109.0	98.9	91.4	84.1
			LDB	49.2	50.4	52.6	54.5	56.6	51.0	52.1	55.0	57.4	60.0	52.8	53.6	56.8	59.6	62.5
			LWB	43.5	48.9	51.5	53.7	56.2	44.4	50.2	53.6	56.5	59.6	45.2	51.1	55.2	58.6	62.1
			BF	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.2	0.0	0.4	0.2	0.1	0.2	0.0
	42.7	23.9	TC	77.8	86.2	116.2	150.9	189.2	98.8	106.3	139.9	181.1	226.3	117.5	123.8	158.2	204.5	254.8
			SHC	77.8	76.4	75.0	74.2	73.5	98.8	96.5	92.5	89.8	87.0	117.5	114.9	107.5	102.8	97.5
			LDB	48.3	49.3	50.9	52.3	54.0	49.8	50.9	53.0	54.9	57.1	51.3	52.2	54.9	57.1	59.6
			LWB	43.1	48.1	49.9	51.6	53.6	43.8	49.3	51.8	54.1	56.7	44.5	50.2	53.4	56.2	59.2
			BF	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.2	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-40 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		3000					4000					5000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	10.6	1.3	TC	71.1	71.2	77.5	91.3	112.4	81.8	81.9	85.5	97.8	118.4	89.7	89.8	92.2	102.2	122.2
			SHC	71.1	71.2	63.5	53.6	44.7	81.8	81.9	75.3	62.1	49.0	89.7	89.8	84.5	69.7	52.6
			LDB	58.3	58.4	61.1	64.8	68.5	61.3	61.3	63.1	66.7	70.5	63.6	63.6	64.8	68.0	71.8
			LWB	47.8	53.8	59.1	63.8	68.1	49.2	55.0	60.5	65.5	70.1	50.2	55.9	61.4	66.6	71.4
			BF	0.5	0.3	0.2	0.1	0.2	0.6	0.4	0.2	0.2	0.1	0.6	0.4	0.3	0.2	0.2
	26.6	7.5	TC	86.7	89.2	109.9	141.4	175.9	105.0	106.4	125.2	158.2	196.3	119.7	120.0	136.4	170.0	210.6
			SHC	86.7	85.5	78.5	73.3	67.4	105.0	104.2	94.6	85.3	75.9	119.7	120.0	108.7	95.5	82.7
			LDB	53.5	54.1	57.0	59.6	62.5	55.9	56.3	59.1	62.1	65.3	58.1	58.1	60.7	63.9	67.2
			LWB	45.6	51.5	55.4	58.7	62.1	46.7	52.7	57.3	61.1	64.9	47.7	53.7	58.6	62.7	66.9
			BF	0.4	0.2	0.1	0.2	0.0	0.4	0.2	0.2	0.2	0.0	0.5	0.3	0.2	0.2	0.0
	42.6	18.1	TC	91.4	95.8	124.3	160.8	200.7	112.5	115.2	143.2	185.1	230.4	130.0	130.7	158.3	203.1	252.5
			SHC	91.3	90.0	85.1	81.4	77.0	112.4	111.1	102.9	96.1	88.4	130.0	130.7	118.6	108.4	97.6
			LDB	52.1	52.7	55.1	57.3	59.9	54.2	54.7	57.4	59.9	62.8	56.2	56.2	59.0	61.8	64.9
			LWB	44.9	50.7	53.7	56.5	59.6	45.9	51.9	55.7	58.9	62.4	46.8	52.9	57.1	60.7	64.5
			BF	0.3	0.1	0.1	0.2	0.0	0.4	0.2	0.1	0.2	0.0	0.4	0.2	0.2	0.2	0.2

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-40 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		3000					4000					5000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	10.6	1.5	TC	81.6	81.8	91.4	107.3	130.2	95.2	95.3	101.4	114.7	136.1	105.0	105.2	109.4	120.1	139.7
			SHC	81.6	81.8	69.6	59.6	50.8	95.2	95.3	83.0	68.6	54.9	105.0	105.2	94.3	77.0	58.7
			LDB	55.1	55.1	59.5	63.3	66.9	58.2	58.3	61.5	65.4	69.4	60.7	60.8	63.1	66.8	70.8
			LWB	46.3	52.4	57.6	62.2	66.5	47.8	53.7	59.2	64.3	69.0	48.9	54.8	60.3	65.6	70.5
			BF	0.4	0.2	0.2	0.2	0.0	0.5	0.3	0.2	0.2	0.2	0.5	0.4	0.2	0.2	0.1
	23.7	6.5	TC	95.6	100.4	125.5	160.0	198.9	117.4	120.9	143.1	179.1	221.9	135.1	135.6	157.0	191.8	237.3
			SHC	95.6	92.7	85.5	80.5	76.0	117.4	114.6	102.7	93.5	85.0	135.1	135.6	118.2	104.3	91.9
			LDB	50.8	52.0	55.0	57.6	60.2	53.1	54.0	57.4	60.4	63.5	55.2	55.3	59.1	62.5	65.8
			LWB	44.3	50.1	53.6	56.6	59.7	45.4	51.3	55.7	59.4	63.1	46.4	52.5	57.2	61.4	65.4
			BF	0.3	0.1	0.1	0.2	0.0	0.4	0.2	0.1	0.2	0.0	0.4	0.2	0.2	0.2	0.0
	36.8	14.5	TC	99.7	107.2	140.3	181.4	226.5	124.6	130.3	164.1	210.5	261.9	145.7	150.3	182.4	231.7	287.6
			SHC	99.7	97.1	92.6	89.9	87.1	124.6	121.4	112.5	106.4	100.1	145.7	143.0	130.0	120.1	110.1
			LDB	49.5	50.7	53.0	54.9	57.1	51.5	52.5	55.3	57.8	60.4	53.3	54.0	57.1	59.9	62.9
			LWB	43.7	49.1	51.8	54.1	56.7	44.6	50.4	53.9	56.8	60.0	45.5	51.4	55.5	58.9	62.4
			BF	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.2	0.0	0.4	0.2	0.1	0.2	0.0
	49.9	25.3	TC	101.7	111.1	148.3	192.3	240.8	128.2	136.1	176.1	227.8	284.1	151.1	157.3	198.1	254.7	317.0
			SHC	101.7	99.5	96.7	94.9	93.0	128.1	125.2	118.2	113.8	108.9	151.1	148.0	137.2	129.7	121.3
			LDB	48.9	50.0	51.8	53.5	55.4	50.6	51.6	54.1	56.2	58.6	52.3	53.1	55.9	58.3	61.0
			LWB	43.4	48.6	50.7	52.7	55.0	44.2	49.8	52.8	55.3	58.2	45.0	50.8	54.4	57.4	60.6
			BF	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.4	0.1	0.1	0.2	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-60 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		5000					6000					7000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	10.6	0.7	TC	92.1	92.2	93.6	101.7	119.8	98.1	98.2	98.9	105.5	122.0	102.7	102.8	103.5	108.4	123.6
			SHC	92.1	92.2	88.5	71.3	52.2	98.1	98.2	96.3	78.8	55.5	102.7	102.8	100.2	85.7	58.7
			LDB	63.1	63.2	64.0	67.6	71.8	65.0	65.1	65.5	68.5	72.7	66.5	66.6	67.1	69.2	73.3
			LWB	50.0	55.7	61.3	66.6	71.5	50.8	56.5	62.0	67.4	72.4	51.5	57.1	62.6	67.9	73.0
			BF	0.6	0.4	0.2	0.1	0.1	0.6	0.5	0.3	0.2	0.1	0.7	0.5	0.4	0.2	0.1
	23.7	3.6	TC	127.3	130.9	141.6	171.6	212.1	140.6	140.8	151.8	179.7	221.2	151.4	151.7	159.9	186.4	228.2
			SHC	127.3	127.9	113.3	97.6	83.3	140.5	140.8	127.1	107.0	88.6	151.4	151.7	139.6	115.8	93.3
			LDB	56.7	56.7	59.8	63.5	67.1	58.5	58.6	61.1	64.9	68.6	60.2	60.2	62.1	65.9	69.6
			LWB	47.1	52.9	58.3	62.6	66.8	47.9	53.9	59.2	63.9	68.2	48.7	54.5	60.0	64.9	69.3
			BF	0.5	0.2	0.1	0.1	0.3	0.5	0.3	0.2	0.1	0.2	0.5	0.3	0.2	0.1	0.1
	36.8	8.4	TC	140.2	142.3	167.9	211.5	262.4	157.1	157.5	180.6	224.8	278.4	171.5	171.8	190.9	235.2	291.0
			SHC	140.2	139.2	125.2	113.1	101.3	157.1	157.5	140.7	124.2	108.5	171.5	171.8	154.7	134.4	114.8
			LDB	54.3	54.6	57.9	61.0	64.3	56.0	56.1	59.2	62.6	66.0	57.5	57.6	60.3	63.8	67.3
			LWB	46.0	52.0	56.5	60.2	64.0	46.8	52.8	57.7	61.7	65.7	47.5	53.5	58.6	62.8	67.0
			BF	0.4	0.2	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0	0.5	0.2	0.1	0.1	0.2
	49.9	15.1	TC	147.1	150.5	184.5	236.7	294.4	166.3	168.5	200.7	254.6	316.2	182.9	183.2	213.8	269.0	333.6
			SHC	147.1	145.2	132.7	123.2	113.1	166.3	165.3	149.5	135.9	122.1	182.8	183.2	165.1	147.3	129.8
			LDB	53.0	53.6	56.6	59.4	62.4	54.6	54.9	58.0	61.0	64.2	56.1	56.1	59.1	62.3	65.6
			LWB	45.4	51.3	55.3	58.6	62.1	46.1	52.1	56.5	60.1	63.9	46.8	52.8	57.5	61.4	65.3
			BF	0.4	0.1	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

BF - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-60 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		5000					6000					7000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	15.0	1.2	TC	129.2	129.5	138.3	157.3	186.4	140.9	141.2	147.3	163.7	191.2	150.2	150.4	154.8	168.7	194.7
			SHC	129.2	129.5	112.6	92.7	74.7	140.9	141.2	126.2	102.0	78.7	150.2	150.4	138.0	110.8	82.6
			LDB	56.3	56.4	59.9	64.3	68.4	58.5	58.5	61.2	65.5	69.8	60.3	60.4	62.3	66.4	70.8
			LWB	46.9	52.9	58.5	63.5	68.1	47.9	53.8	59.5	64.7	69.5	48.8	54.6	60.2	65.5	70.5
			BF	0.4	0.2	0.1	0.1	0.2	0.5	0.3	0.1	0.1	0.1	0.5	0.3	0.2	0.1	0.1
	38.3	7.0	TC	163.1	169.6	208.2	262.8	326.3	186.0	191.0	226.6	281.7	348.8	205.9	209.9	241.9	296.7	366.1
			SHC	163.1	158.6	144.2	134.0	125.3	186.0	182.1	162.5	147.2	134.2	205.9	203.0	179.5	159.2	141.7
			LDB	50.1	51.2	54.7	57.6	60.4	51.6	52.4	56.1	59.4	62.6	53.0	53.6	57.3	60.9	64.3
			LWB	43.9	49.8	53.6	56.8	60.1	44.7	50.7	55.0	58.7	62.3	45.4	51.4	56.1	60.1	64.0
			BF	0.3	0.1	0.1	0.2	0.0	0.3	0.1	0.1	0.1	0.0	0.4	0.1	0.1	0.1	0.0
	61.7	17.2	TC	171.4	183.1	237.3	306.4	382.7	198.2	207.9	262.9	336.9	419.8	222.3	230.1	284.2	361.6	449.7
			SHC	171.4	166.7	157.9	152.8	147.9	198.2	193.0	179.2	170.1	161.5	222.3	217.5	198.7	185.4	172.9
			LDB	48.6	49.8	52.3	54.4	56.6	49.7	50.8	53.8	56.3	58.8	50.9	51.8	55.0	57.8	60.7
			LWB	43.2	48.8	51.5	53.8	56.3	43.7	49.6	52.8	55.6	58.5	44.3	50.2	54.0	57.1	60.4
			BF	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.2	0.0	0.3	0.1	0.1	0.1	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

- BF** - Bypass Factor
EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-80 (4 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		7000					8000					9000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	15.0	1.6	TC	136.5	136.7	140.6	154.0	181.5	143.7	143.8	146.7	158.3	184.0	149.5	149.7	151.7	162.0	186.1
			SHC	136.5	136.7	126.0	102.4	77.2	143.7	143.8	135.1	109.9	80.5	149.5	149.6	143.0	116.9	83.8
			LDB	62.1	62.2	63.8	67.4	71.4	63.5	63.6	64.8	68.1	72.1	64.8	64.8	65.7	68.7	72.6
			LWB	49.6	55.3	60.9	66.2	71.0	50.2	55.9	61.5	66.8	71.7	50.7	56.4	61.9	67.2	72.3
			BF	0.6	0.4	0.2	0.2	0.1	0.6	0.4	0.3	0.2	0.1	0.6	0.5	0.3	0.2	0.1
	32.0	6.9	TC	178.9	179.3	201.2	244.4	302.2	192.7	193.1	212.3	252.8	312.1	204.7	205.1	221.6	260.5	320.1
			SHC	178.9	179.3	157.2	136.5	117.9	192.7	193.1	170.8	145.6	123.2	204.7	205.1	183.5	154.6	128.2
			LDB	56.6	56.6	60.1	63.6	67.0	57.9	58.0	61.0	64.6	68.1	59.2	59.2	61.8	65.4	69.0
			LWB	47.0	53.1	58.1	62.5	66.6	47.7	53.6	58.8	63.4	67.7	48.2	54.1	59.5	64.2	68.6
			BF	0.5	0.2	0.2	0.2	0.0	0.5	0.3	0.2	0.2	0.3	0.5	0.3	0.2	0.2	0.2
	48.9	15.6	TC	195.2	199.4	236.3	297.9	369.4	212.5	215.8	249.7	311.9	386.4	227.7	230.9	261.1	323.6	400.6
			SHC	195.2	192.3	173.2	157.4	141.8	212.5	210.2	188.5	168.5	149.2	227.7	224.8	202.9	178.8	155.9
			LDB	54.4	55.0	58.2	61.2	64.3	55.7	56.1	59.2	62.3	65.6	56.8	57.3	60.0	63.3	66.6
			LWB	46.0	52.0	56.4	60.1	63.9	46.6	52.6	57.3	61.2	65.1	47.1	53.1	58.0	62.1	66.2
			BF	0.4	0.2	0.2	0.2	0.0	0.4	0.2	0.2	0.2	0.0	0.5	0.2	0.2	0.2	0.0
	65.9	27.7	TC	204.1	209.9	258.2	331.3	411.8	223.4	228.4	275.0	350.0	434.6	240.8	244.7	289.4	366.0	454.0
			SHC	204.0	200.4	183.2	170.8	157.5	223.4	220.3	199.9	183.5	166.7	240.7	238.5	215.6	195.3	174.9
			LDB	53.3	54.0	57.0	59.6	62.5	54.4	55.0	58.0	60.8	63.8	55.5	55.9	58.8	61.8	64.9
			LWB	45.5	51.4	55.3	58.6	62.1	46.0	52.0	56.2	59.7	63.4	46.5	52.5	57.0	60.7	64.5
			BF	0.4	0.2	0.1	0.2	0.0	0.4	0.2	0.2	0.2	0.0	0.4	0.2	0.2	0.2	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

EDB - Entering Dry-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Cooling Capacity - Chilled Water Coils - BRD-80 (6 ROW)

				CFM @ 80 F EDB														
EWT (F)	GPM	PD (F)		7000					8000					9000				
				AIR ENTERING TEMPERATURE EWB (F)														
				57	62	67	72	77	57	62	67	72	77	57	62	67	72	77
45	15.0	1.3	TC	161.1	161.4	168.1	182.2	207.7	169.8	170.1	175.3	187.2	210.6	176.9	177.1	181.3	191.4	213.0
			SHC	161.1	161.4	141.3	113.9	86.2	169.8	170.1	152.2	122.4	89.8	176.9	177.1	161.8	130.4	93.4
			LDB	58.9	59.0	62.0	66.1	70.4	60.5	60.6	63.0	66.9	71.2	62.0	62.1	63.9	67.5	71.8
			LWB	48.1	54.0	59.7	65.0	70.1	48.8	54.7	60.3	65.8	70.9	49.5	55.3	60.9	66.3	71.5
			BF	0.5	0.3	0.2	0.1	0.1	0.5	0.3	0.2	0.1	0.1	0.6	0.4	0.2	0.2	0.1
	40.5	5.0	TC	206.2	206.0	238.5	284.4	346.5	223.7	224.0	251.2	294.9	356.3	238.7	239.3	262.4	303.6	364.1
			SHC	206.2	206.0	174.5	152.0	133.6	223.7	224.0	189.8	162.4	138.8	238.7	239.3	204.3	172.2	143.5
			LDB	53.0	53.2	58.0	61.8	65.2	54.4	54.5	59.0	62.9	66.6	55.7	55.8	59.9	63.8	67.7
			LWB	45.3	51.6	56.3	60.7	64.8	46.0	52.1	57.2	61.9	66.2	46.6	52.7	58.0	62.8	67.3
			BF	0.4	0.1	0.1	0.2	0.0	0.4	0.1	0.2	0.2	0.0	0.4	0.2	0.2	0.2	0.3
	65.9	10.6	TC	222.9	232.0	279.4	348.3	431.2	244.8	244.0	296.5	365.2	450.7	264.3	264.2	311.4	379.3	466.5
			SHC	222.9	215.4	193.4	177.6	164.8	244.8	244.0	210.7	189.8	172.7	264.3	264.2	227.0	201.2	179.6
			LDB	50.8	52.1	55.7	58.8	61.6	52.0	52.2	56.8	60.2	63.2	53.1	53.2	57.8	61.3	64.5
			LWB	44.3	50.2	54.3	57.8	61.2	44.8	51.2	55.3	59.1	62.8	45.4	51.6	56.1	60.2	64.1
			BF	0.3	0.1	0.1	0.2	0.0	0.3	0.1	0.1	0.2	0.0	0.4	0.1	0.1	0.2	0.0
	91.4	18.2	TC	231.3	244.2	306.3	389.9	484.6	255.8	267.0	327.3	413.2	512.7	278.1	288.0	345.7	432.5	536.1
			SHC	231.3	223.4	206.2	195.1	185.5	255.8	247.7	225.1	209.4	196.1	278.1	270.4	242.8	222.5	205.2
			LDB	49.7	51.1	54.2	56.7	59.2	50.7	51.9	55.3	58.1	60.8	51.7	52.7	56.3	59.3	62.2
			LWB	43.7	49.5	52.9	55.7	58.8	44.2	50.1	53.9	57.1	60.4	44.7	50.6	54.8	58.3	61.8
			BF	0.3	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.2	0.0	0.3	0.1	0.1	0.2	0.0

Notes:

- SHC is based on 80 F EDB of air entering coil.
Use the following formulas to correct SHC based on other EDB.
Correction Factor = $1.10 \times (1 - BF) \times (EDB - 80)$
SHC (New) = (Correction Factor x CFM/1000) + SHC (MBH) (from Tables above)
LDB = EDB - SHC (MBH) / $1.10 / CFM \times 1000$

- Direct interpolation is permissible. Do not extrapolate.

Legend:

EDB - Entering Dry-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Heating Capacity - Standard Capacity Steam Coils - BRD

SIZE	SCFM		Entering Air Temp - EDB (F)								
			-20	-10	0	10	20	30	40	50	60
08	600	TC	44.60	42.80	41.00	39.20	37.40	35.60	33.80	32.00	30.20
		LDB	48.3	55.5	62.8	70.0	77.3	84.5	91.7	99.0	106.2
	800	TC	52.30	50.20	48.10	46.00	43.90	41.80	39.60	37.50	35.40
		LDB	40.1	47.6	55.2	62.8	70.4	77.9	85.5	93.1	100.6
	1000	TC	58.90	56.50	54.10	51.70	49.30	47.00	44.60	42.20	39.80
		LDB	34.0	41.9	49.7	57.5	65.3	73.1	80.9	88.8	96.6
12	900	TC	67.50	64.70	62.00	59.30	56.60	53.80	51.10	48.40	45.70
		LDB	48.8	56.1	63.3	70.5	77.7	84.9	92.1	99.4	106.6
	1200	TC	79.20	76.00	72.80	69.60	66.40	63.20	60.00	56.80	53.60
		LDB	40.6	48.1	55.7	63.2	70.8	78.3	85.9	93.4	101.0
	1500	TC	89.10	85.50	81.90	78.30	74.70	71.10	67.50	63.90	60.30
		LDB	34.5	42.3	50.1	57.9	65.7	73.5	81.3	89.1	96.9
16	1200	TC	89.50	85.90	82.30	78.70	75.04	71.40	67.80	64.20	60.60
		LDB	48.5	55.7	63.0	70.2	77.4	84.7	91.9	99.1	106.3
	1600	TC	105.00	100.70	96.50	92.30	88.00	83.80	79.50	75.30	71.00
		LDB	40.3	47.8	55.4	63.0	70.5	78.1	85.6	93.2	100.8
	2000	TC	118.10	113.30	108.50	103.80	99.00	94.20	89.50	84.70	79.90
		LDB	34.2	42.0	49.8	57.7	65.5	73.3	81.1	88.9	96.7
20	1500	TC	111.60	107.00	102.50	98.00	93.50	89.00	84.50	80.00	75.50
		LDB	48.3	55.5	62.8	70.0	77.3	84.5	91.7	99.0	106.2
	2000	TC	130.80	125.50	120.20	114.90	109.70	104.40	99.10	93.80	88.50
		LDB	40.1	47.6	55.2	62.8	70.4	77.9	85.5	93.1	100.6
	2500	TC	147.10	141.20	135.20	129.30	123.30	117.40	111.40	105.50	99.60
		LDB	34.0	41.9	49.7	57.5	65.3	73.1	80.9	88.8	96.6
30	2250	TC	182.40	175.10	167.70	160.30	152.90	145.60	138.20	130.80	123.50
		LDB	54.5	61.5	68.4	75.4	82.4	89.4	96.4	103.4	110.4
	3000	TC	215.20	206.50	197.80	189.10	180.40	171.70	163.00	154.30	145.60
		LDB	45.9	53.2	60.6	67.9	75.2	82.6	89.9	97.2	104.6
	3750	TC	243.20	233.40	223.60	213.70	203.90	194.10	184.30	174.40	164.60
		LDB	39.6	47.2	54.8	62.3	69.9	77.5	85.1	92.7	100.3
40	3000	TC	230.90	221.50	212.20	202.90	193.60	184.20	174.90	165.60	156.20
		LDB	50.7	57.8	65.0	72.1	79.2	86.4	93.5	100.7	107.8
	4000	TC	271.40	260.40	249.40	238.50	227.50	216.50	205.60	194.60	183.60
		LDB	42.3	49.8	57.3	64.7	72.2	79.1	87.2	94.7	102.2
	5000	TC	305.80	293.40	281.10	268.70	278.60	244.00	231.60	219.30	206.90
		LDB	36.2	43.9	51.6	59.4	53.2	74.8	82.5	90.3	98.0
60	5000	TC	359.00	344.50	330.00	328.50	301.00	286.50	271.90	257.40	242.90
		LDB	45.9	53.3	60.6	61.3	75.3	82.6	89.9	97.3	104.6
	6000	TC	396.90	380.90	364.80	348.80	332.70	316.70	300.70	284.60	268.9
		LDB	40.7	48.3	55.8	63.4	70.9	78.5	86.0	93.6	101.5
	7000	TC	430.90	413.50	396.10	378.60	361.20	343.80	326.40	309.00	291.60
		LDB	36.5	44.2	52.0	59.7	67.4	75.1	82.8	90.5	98.3
80	7000	TC	497.20	477.10	457.00	436.90	416.80	396.70	448.90	356.50	336.7
		LDB	45.2	52.6	60.0	67.3	74.7	82.0	92.9	96.8	104.4
	8000	TC	535.10	513.50	491.80	470.20	448.60	426.90	405.30	383.70	362.10
		LDB	41.4	48.9	56.5	64.0	71.5	79.0	86.5	94.0	101.6
	9000	TC	570.00	547.00	524.00	500.90	477.90	454.80	431.80	408.80	385.70
		LDB	38.2	45.8	53.5	61.1	68.8	76.4	84.1	91.7	99.4

Notes:

1. Steam coil rating based on 5 psig steam pressure.
2. Reference steam capacity multiplier table for other steam pressures. Refer to New Magic 4 software for detailed performance at other conditions.
3. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors. Shaded areas for reference only.

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Heating Capacity - High Capacity Steam Coils - BRD

SIZE	SCFM		Entering Air Temp - EDB (F)				
			-20	-10	0	10	20
08	600	TC	82.90	79.50	76.20	72.80	69.50
		LDB	106.8	111.7	116.6	121.4	126.3
	800	TC	97.10	93.20	89.20	85.30	81.40
		LDB	91.4	96.9	102.4	107.9	113.4
	1000	TC	108.80	104.40	100.00	95.60	91.20
		LDB	79.9	85.8	91.8	97.8	103.7
12	900	TC	125.30	120.20	115.10	110.10	105.00
		LDB	107.8	112.6	117.5	122.3	127.1
	1200	TC	146.90	140.90	135.00	129.10	123.10
		LDB	92.4	97.9	103.3	108.8	114.2
	1500	TC	164.70	158.00	151.40	144.70	138.00
		LDB	80.8	86.7	92.7	98.6	104.5
16	1200	TC	166.20	159.50	152.80	146.00	139.30
		LDB	107.2	112.0	116.9	121.8	126.6
	1600	TC	194.80	186.90	179.00	171.20	163.30
		LDB	91.8	97.3	102.7	108.2	113.7
	2000	TC	218.30	209.50	200.60	191.80	183.00
		LDB	80.2	86.2	92.1	98.1	104.0
20	1500	TC	207.10	198.80	190.40	182.00	173.70
		LDB	106.8	111.7	116.6	121.4	126.3
	2000	TC	242.70	232.90	223.10	213.20	203.40
		LDB	91.4	96.9	102.4	107.9	113.4
	2500	TC	271.90	260.90	249.90	238.90	227.90
		LDB	79.9	85.8	91.8	97.8	103.7
30	2250	TC	338.00	324.30	310.70	297.00	283.30
		LDB	117.9	122.4	126.8	131.2	135.6
	3000	TC	399.70	383.60	367.40	351.30	335.10
		LDB	102.4	107.4	112.5	117.5	122.6
	3750	TC	451.20	432.90	414.70	396.50	378.20
		LDB	90.5	96.0	101.5	107.1	112.6
40	3000	TC	428.40	411.10	393.80	376.50	359.20
		LDB	111.1	115.8	120.5	125.2	129.9
	4000	TC	503.80	483.40	463.10	442.70	422.40
		LDB	95.7	101.0	106.3	111.6	117.0
	5000	TC	566.10	543.20	520.30	518.00	474.60
		LDB	84.0	89.8	95.6	96.1	107.2
60	5000	TC	666.80	639.80	612.90	585.90	559.00
		LDB	102.5	107.5	112.6	117.6	122.7
	6000	TC	736.50	706.80	677.00	647.20	617.50
		LDB	92.7	98.2	103.6	109.1	114.5
	7000	TC	797.90	765.60	733.40	701.10	668.90
		LDB	84.7	90.4	96.2	102.0	107.7
80	7000	TC	920.80	886.00	848.70	811.40	774.10
		LDB	100.8	106.2	111.3	116.4	121.5
	8000	TC	987.70	949.60	910.40	872.70	832.60
		LDB	93.4	99.0	104.5	110.2	115.6
	9000	TC	1045.00	971.10	967.00	925.80	885.80
		LDB	86.7	98.1	98.7	104.5	110.4

Notes:

1. Steam coil rating based on 5 psig steam pressure.
2. Reference steam capacity multiplier table for other steam pressures. Refer to New Magic 4 software for detailed performance at other conditions.
3. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors. Shaded areas for reference only.

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
LWB - Leaving Wet-Bulb (F)
PD - Refrig Pressure Drop (psi)
SCT - Saturated Cond Temperature (F)
SET - Saturated Evap Temperature (F)
SHC - Sensible Capacity (MBH)
TC - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-08

BRD 08 2-ROW				CFM											
EWT (F)	GPM	PD (F)		600				800				1200			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	3.0	2.0	TC	36.13	33.18	30.25	27.30	42.00	38.60	35.21	31.80	46.57	42.81	39.06	35.28
			LDB	95.3	100.9	106.3	111.7	88.3	94.4	100.5	106.5	82.8	89.4	95.9	102.4
	5.2	5.4	TC	39.24	36.02	32.83	29.63	46.37	42.59	38.84	35.07	52.08	47.86	43.65	39.42
			LDB	100.1	105.3	110.3	115.3	93.3	99.0	104.6	110.2	87.9	94.1	100.1	106.2
	7.3	10.4	TC	40.68	37.35	34.04	30.72	48.43	44.49	40.57	36.63	54.74	50.30	45.87	41.42
			LDB	102.3	107.3	112.2	117.0	95.7	101.2	106.6	112.0	90.3	96.3	102.2	108.0
	9.5	16.7	TC	41.53	38.12	34.74	31.36	49.66	45.61	41.59	37.56	56.33	51.75	47.20	42.62
			LDB	103.6	108.5	113.2	117.9	97.1	102.5	107.8	113.1	91.8	97.7	103.4	109.1

BRD 08 4-ROW				CFM											
EWT (F)	GPM	PD (F)		600				800				1200			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	1.0	0.2	TC	36.42	33.84	31.22	28.56	39.71	36.96	34.15	31.28	41.81	38.97	36.05	33.06
			LDB	85.9	92.0	97.9	103.8	75.7	82.6	89.3	96.0	68.5	75.9	83.2	90.4
	1.9	0.5	TC	48.04	44.46	40.87	37.27	55.46	51.39	47.28	43.16	60.82	56.42	51.97	47.48
			LDB	103.8	108.3	112.7	117.1	93.9	99.2	104.4	109.6	86.0	92.0	97.9	103.7
	2.9	1.2	TC	53.16	49.14	45.13	41.12	63.22	58.48	53.73	48.98	71.07	65.78	60.48	55.16
			LDB	111.6	115.5	119.3	123.0	102.8	107.4	111.9	116.3	95.5	100.6	105.7	110.7
	3.8	2.0	TC	55.60	51.38	47.18	42.98	67.09	62.02	56.96	51.91	76.36	70.63	64.91	59.17
			LDB	115.4	118.9	122.4	125.9	107.3	111.5	115.6	119.7	100.3	105.1	109.8	114.4

BRD 08 6-ROW				CFM											
EWT (F)	GPM	PD (F)		600				800				1200			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	2.0	0.8	TC	61.26	56.66	52.07	47.47	71.23	65.97	60.69	55.38	78.22	72.54	66.81	61.03
			LDB	124.1	127.0	129.9	132.7	112.0	116.0	119.9	123.6	102.1	106.9	111.5	116.1
	5.1	4.5	TC	72.00	66.49	61.02	55.57	89.57	82.74	75.95	69.18	104.41	96.50	88.61	80.74
			LDB	140.6	142.1	143.7	145.2	133.1	135.3	137.4	139.5	126.2	128.9	131.6	134.2
	8.1	10.5	TC	74.39	68.68	63.02	57.39	93.99	86.80	79.66	72.55	111.29	102.81	94.38	85.97
			LDB	144.2	145.5	146.7	147.9	138.2	140.0	141.7	143.4	132.5	134.8	136.9	139.0
	11.2	18.9	TC	75.45	69.66	63.91	58.20	96.00	88.64	81.34	74.07	114.46	105.72	97.04	88.38
			LDB	145.9	147.0	148.1	149.2	140.5	142.1	143.6	145.1	135.5	137.4	139.4	141.3

Notes:

1. Refer to New Magic 4 software for detailed performance at other conditions.
2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-12

BRD 12 2-ROW				CFM											
EWT (F)	GPM	PD (F)		900				1200				1800			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	2.0	1.3	TC	47.03	43.24	39.44	35.61	53.07	48.83	44.57	40.27	57.45	52.89	48.29	43.64
			LDB	88.2	94.3	100.3	106.3	80.8	87.5	94.1	100.8	75.3	82.5	89.6	96.7
	5.6	8.0	TC	59.16	54.35	49.54	44.71	69.67	64.04	58.40	52.74	78.00	71.72	65.41	59.06
			LDB	100.59	105.62	110.61	115.56	93.51	99.16	104.75	110.30	87.93	94.03	100.09	106.11
	9.1	19.4	TC	62.53	57.44	52.35	47.24	74.50	68.48	62.43	56.39	84.20	77.41	70.61	63.76
			LDB	104.05	108.79	113.49	118.15	97.23	102.57	107.85	113.09	91.75	97.54	103.28	108.98
	12.7	35.8	TC	64.21	58.98	53.75	48.51	76.94	70.72	64.48	58.22	87.38	80.33	73.25	66.14
			LDB	105.76	110.36	114.92	119.44	99.10	104.28	109.41	114.50	93.69	99.32	104.90	110.44

BRD 12 4-ROW				CFM											
EWT (F)	GPM	PD (F)		900				1200				1800			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	3.0	1.0	TC	75.46	69.81	64.16	58.50	87.19	80.76	74.29	67.78	95.78	88.82	81.79	110.15
			LDB	107.2	111.5	115.7	119.8	96.9	102.0	107.0	111.9	88.8	94.6	100.2	127.5
	7.5	5.6	TC	89.69	82.88	76.09	69.31	109.04	100.79	92.56	84.32	125.12	115.71	106.31	110.15
			LDB	121.8	124.9	127.9	130.8	113.7	117.4	121.0	124.6	106.8	111.1	115.3	127.5
	12.1	13.7	TC	93.61	86.49	79.39	72.31	115.40	106.64	97.91	89.18	134.16	124.01	113.89	110.16
			LDB	125.8	128.6	131.3	133.9	118.6	121.9	125.2	128.3	112.4	116.2	119.9	127.5
	16.7	25.2	TC	95.47	88.19	80.95	73.73	118.46	109.46	100.49	91.53	138.54	128.06	117.61	110.16
			LDB	127.7	130.3	132.8	135.3	121.0	124.1	127.1	130.1	115.1	118.7	122.2	127.5

BRD 12 6-ROW				CFM											
EWT (F)	GPM	PD (F)		900				1200				1800			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	3.0	1.3	TC	90.12	83.34	76.58	69.80	104.85	97.10	89.31	81.48	115.32	106.92	98.45	89.91
			LDB	122.2	125.4	128.4	131.3	110.5	114.6	118.5	122.4	100.8	105.7	110.4	115.1
	8.3	8.4	TC	106.52	98.37	90.28	82.21	132.55	122.44	112.39	102.36	154.77	143.03	131.33	119.65
			LDB	139.0	140.7	142.4	144.0	131.8	134.0	136.3	138.4	125.1	127.9	130.6	133.3
	13.5	21.4	TC	109.99	101.55	93.18	84.85	138.87	128.24	117.69	107.18	164.50	151.97	139.50	127.06
			LDB	142.6	144.0	145.4	146.7	136.6	138.5	140.3	142.1	131.0	133.4	135.7	137.9
	18.8	39.9	TC	111.48	102.92	94.43	85.99	141.63	130.78	120.01	109.29	168.83	155.94	143.13	130.36
			LDB	144.1	145.4	146.6	147.8	138.7	140.4	142.1	143.7	133.7	135.8	137.9	139.9

Notes:

1. Refer to New Magic 4 software for detailed performance at other conditions.
2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-16

BRD 16 2-ROW				CFM											
EWT (F)	GPM	PD (F)		1200				1600				2000			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	4.0	0.9	TC	62.08	57.08	52.06	47.02	70.92	65.27	59.57	53.83	77.38	71.23	65.02	58.78
			LDB	87.7	93.8	99.9	105.9	80.9	87.6	94.2	100.9	75.7	82.8	89.9	97.0
	6.9	2.6	TC	69.86	64.21	58.54	52.84	81.58	75.02	68.43	61.81	90.48	83.23	75.94	68.60
			LDB	93.7	99.3	104.8	110.4	87.0	93.2	99.3	105.4	81.7	88.3	94.9	101.5
	9.9	5.2	TC	73.73	67.75	61.76	55.74	87.03	80.02	73.00	65.93	97.37	89.55	81.68	73.78
			LDB	96.6	102.0	107.3	112.6	90.1	96.1	101.9	107.8	84.9	91.2	97.6	103.8
	12.8	8.4	TC	75.96	69.80	63.62	57.42	90.22	82.95	75.65	68.31	101.42	93.26	85.06	76.82
			LDB	98.3	103.6	108.7	113.9	92.0	97.8	103.5	109.2	86.7	92.9	99.1	105.2

BRD 16 4-ROW				CFM											
EWT (F)	GPM	PD (F)		1200				1600				2000			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	4.0	1.1	TC	100.50	92.97	85.45	77.91	116.25	107.65	99.01	90.32	127.78	118.47	109.07	99.58
			LDB	107.2	111.4	115.6	119.7	96.9	102.0	107.0	111.9	88.9	94.6	100.2	105.8
	12.0	8.3	TC	121.34	112.11	102.92	93.75	148.37	137.13	125.91	114.71	171.13	158.24	145.36	132.47
			LDB	123.2	126.1	129.0	131.8	115.4	119.0	122.5	125.9	108.8	112.9	116.9	120.9
	20.0	21.9	TC	126.01	116.41	106.86	97.32	156.01	144.16	132.35	120.55	182.03	168.27	154.54	140.80
			LDB	126.8	129.4	132.0	134.6	119.8	123.1	126.2	129.3	113.9	117.6	121.2	124.7
	28.0	41.6	TC	128.10	118.33	108.61	98.92	159.48	147.35	135.27	123.21	187.05	172.89	158.77	144.65
			LDB	128.3	130.9	133.4	135.8	121.8	124.9	127.9	130.8	116.2	119.7	123.1	126.5

BRD 16 6-ROW				CFM											
EWT (F)	GPM	PD (F)		1200				1600				2000			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	4.0	1.0	TC	121.34	112.24	103.15	94.04	141.00	130.61	120.16	109.65	154.83	143.59	132.26	120.82
			LDB	123.2	126.2	129.2	132.0	111.2	115.2	119.2	123.0	101.3	106.2	110.9	115.5
	10.6	6.3	TC	143.38	132.41	121.51	110.66	178.40	164.80	151.27	137.78	208.11	192.34	176.62	160.92
			LDB	140.1	141.7	143.3	144.8	132.7	134.9	137.1	139.2	125.9	128.6	131.3	134.0
	17.1	15.7	TC	148.20	136.83	125.56	114.34	187.28	172.95	158.72	144.54	221.86	204.96	188.14	171.37
			LDB	143.8	145.1	146.4	147.6	137.8	139.6	141.4	143.1	132.2	134.5	136.6	138.8
	23.7	29.1	TC	150.29	138.75	127.31	115.93	191.19	176.54	162.00	147.53	228.03	210.62	193.32	176.08
			LDB	145.4	146.6	147.7	148.8	140.1	141.7	143.3	144.8	135.0	137.1	139.0	140.9

Notes:

1. Refer to New Magic 4 software for detailed performance at other conditions.
2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-20

BRD 20 2-ROW				CFM											
EWT (F)	GPM	PD (F)		1500				2000				2500			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	7.0	1.1	TC	91.94	84.50	77.04	69.56	106.75	98.18	89.57	80.90	117.85	108.43	98.94	89.40
			LDB	96.5	101.9	107.2	112.5	89.2	95.2	101.2	107.1	83.4	89.9	96.4	102.8
	13.0	3.5	TC	101.79	93.52	85.24	76.93	120.72	110.97	101.20	91.38	135.52	124.61	113.65	102.64
			LDB	102.5	107.4	112.2	117.0	95.6	101.1	106.5	111.9	90.0	95.9	101.8	107.6
	19.0	7.2	TC	105.99	97.37	88.74	80.08	126.85	116.59	106.31	95.98	143.44	131.87	120.25	108.57
			LDB	105.1	109.8	114.4	119.0	98.5	103.7	108.9	114.0	92.9	98.6	104.2	109.8
	25.0	12.2	TC	108.37	99.55	90.73	81.88	130.35	119.82	109.25	98.64	148.02	136.07	124.09	112.04
			LDB	106.6	111.1	115.6	120.1	100.1	105.2	110.2	115.2	94.6	100.1	105.6	111.1

BRD 20 4-ROW				CFM											
EWT (F)	GPM	PD (F)		1500				2000				2500			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	7.0	1.4	TC	135.45	125.22	115.02	104.82	160.28	148.26	136.25	124.20	179.52	166.18	152.82	139.39
			LDB	113.2	116.9	120.6	124.2	103.8	108.3	112.7	117.1	96.2	101.3	106.3	111.3
	13.8	5.0	TC	149.81	138.41	127.07	115.75	182.81	168.96	155.15	141.35	210.40	194.56	178.73	162.89
			LDB	122.0	125.0	128.0	130.9	114.2	117.9	121.4	125.0	107.5	111.7	115.8	119.9
	20.7	10.4	TC	154.94	143.14	131.39	119.67	191.16	176.64	162.17	147.72	222.24	205.45	188.69	171.92
			LDB	125.2	128.0	130.7	133.4	118.1	121.4	124.7	127.9	111.9	115.8	119.5	123.2
	27.5	17.8	TC	157.66	145.64	133.68	121.76	195.65	180.77	165.95	151.16	228.69	211.39	194.12	176.87
			LDB	126.8	129.5	132.1	134.6	120.1	123.3	126.4	129.5	114.3	117.9	121.5	125.0

BRD 20 6-ROW				CFM											
EWT (F)	GPM	PD (F)		1500				2000				2500			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	7.0	2.2	TC	168.02	155.24	142.52	129.83	202.41	187.12	171.87	156.63	228.93	211.81	194.68	177.50
			LDB	133.2	135.4	137.5	139.6	123.2	126.2	129.2	132.0	114.4	118.1	121.7	125.3
	11.8	5.7	TC	180.21	166.42	152.72	139.09	224.11	207.02	190.03	173.09	261.13	241.33	221.62	201.92
			LDB	140.7	142.3	143.8	145.2	133.2	135.4	137.5	139.6	126.2	129.0	131.6	134.3
	16.7	10.6	TC	184.93	170.75	156.68	142.69	232.88	215.07	197.39	179.76	274.75	253.84	233.03	212.27
			LDB	143.6	144.9	146.2	147.5	137.3	139.1	140.9	142.6	131.2	133.6	135.8	138.1
	21.5	16.9	TC	187.49	173.10	158.83	144.64	237.72	219.51	201.45	183.45	282.40	260.86	239.45	218.10
			LDB	145.2	146.4	147.5	148.7	139.5	141.2	142.8	144.3	134.1	136.2	138.2	140.2

Notes:

1. Refer to New Magic 4 software for detailed performance at other conditions.
2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-30

BRD 30 2-ROW				CFM											
EWT (F)	GPM	PD (F)		2250				3000				3750			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	7.0	1.2	TC	134.43	123.50	112.64	101.71	153.21	140.88	128.55	116.13	167.44	154.09	140.70	127.21
			LDB	94.9	100.6	106.0	111.5	86.9	93.3	99.4	105.5	81.0	87.8	94.5	101.1
	18.5	7.2	TC	162.27	148.90	135.69	122.45	192.46	176.65	161.00	145.31	217.36	199.67	182.04	164.37
			LDB	106.3	111.0	115.4	119.9	99.0	104.2	109.3	114.4	93.3	99.0	104.6	110.2
	30.0	18.1	TC	170.25	156.22	142.33	128.41	204.29	187.44	170.79	154.10	233.03	213.94	195.09	176.11
			LDB	109.6	114.0	118.2	122.4	102.6	107.6	112.4	117.1	97.1	102.6	107.8	113.1
	41.5	33.5	TC	174.15	159.77	145.57	131.34	210.04	192.76	175.64	158.47	240.76	221.07	201.52	181.90
			LDB	111.1	115.4	119.5	123.5	104.4	109.2	113.8	118.4	99.0	104.3	109.4	114.5

BRD 30 4-ROW				CFM											
EWT (F)	GPM	PD (F)		2250				3000				3750			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	10.5	1.4	TC	230.15	212.74	195.39	178.04	271.60	251.24	230.90	210.52	303.22	280.76	258.24	235.61
			LDB	124.2	127.1	130.0	132.8	113.4	117.2	120.9	124.5	104.5	109.0	113.4	117.8
	23.0	5.8	TC	258.06	238.33	218.73	199.19	317.51	293.33	269.28	245.27	367.84	340.00	312.24	284.49
			LDB	135.7	137.6	139.5	141.4	127.5	130.1	132.7	135.2	120.4	123.6	126.7	129.8
	35.4	13.1	TC	266.54	246.11	225.85	205.67	332.28	306.89	281.67	256.52	389.75	360.12	330.62	301.18
			LDB	139.1	140.8	142.4	144.0	132.0	134.3	136.5	138.6	125.8	128.5	131.2	133.8
	47.9	23.0	TC	270.65	249.89	229.30	208.81	339.55	313.58	287.78	262.07	400.72	370.20	339.84	309.54
			LDB	140.8	142.4	143.9	145.3	134.3	136.3	138.4	140.3	128.5	131.0	133.5	135.9

BRD 30 6-ROW				CFM											
EWT (F)	GPM	PD (F)		2250				3000				3750			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	10.5	1.6	TC	260.54	240.70	220.97	201.30	312.77	289.19	265.65	242.11	352.50	326.23	299.91	273.50
			LDB	136.7	138.6	140.5	142.3	126.0	128.8	131.6	134.2	116.6	120.2	123.7	127.1
	22.6	6.3	TC	284.97	263.07	241.38	219.80	358.13	330.72	303.50	276.39	421.45	389.35	357.43	325.59
			LDB	146.7	147.8	148.8	149.8	140.0	141.6	143.2	144.7	133.5	135.7	137.8	139.8
	34.8	13.8	TC	291.48	269.05	246.85	224.77	371.07	342.58	314.34	286.24	442.45	408.61	375.01	341.53
			LDB	149.3	150.2	151.0	151.8	143.9	145.2	146.5	147.7	138.7	140.4	142.1	143.7
	46.9	23.8	TC	294.47	271.79	249.35	227.05	377.09	348.11	319.39	290.83	452.40	417.74	383.35	349.10
			LDB	150.6	151.3	152.1	152.8	145.8	146.9	148.1	149.1	141.1	142.7	144.2	145.6

Notes:

- 1. Refer to New Magic 4 software for detailed performance at other conditions.
- 2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

- EDB** - Entering Dry-Bulb (F)
- EWB** - Entering Wet-Bulb (F)
- LDB** - Leaving Dry-Bulb (F)
- TC** - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-40

BRD 40 2-ROW				CFM											
EWT (F)	GPM	PD (F)		3000				4000				5000			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	7.0	0.6	TC	150.33	138.29	126.27	114.13	167.22	153.98	140.70	127.27	178.89	164.93	150.84	136.56
			LDB	86.1	92.5	98.7	104.9	78.4	85.5	92.3	99.2	72.9	80.4	87.7	95.0
	22.8	6.4	TC	201.50	184.98	168.59	152.14	236.57	217.23	198.02	178.73	263.83	242.42	221.10	199.67
			LDB	101.7	106.8	111.7	116.5	94.4	100.0	105.5	111.0	88.5	94.7	100.7	106.6
	38.7	17.9	TC	214.56	196.83	179.33	161.88	255.38	234.42	213.63	192.78	288.10	264.62	241.26	217.81
			LDB	105.7	110.4	115.0	119.5	98.7	104.0	109.1	114.2	93.0	98.7	104.4	109.9
	54.5	35.2	TC	220.60	202.42	184.44	166.41	264.25	242.55	221.02	199.42	299.72	275.28	250.95	226.53
			LDB	107.6	112.1	116.5	120.9	100.7	105.9	110.8	115.7	95.1	100.7	106.2	111.6

BRD 40 4-ROW				CFM											
EWT (F)	GPM	PD (F)		3000				4000				5000			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	10.5	1.2	TC	283.18	261.95	240.70	219.45	326.55	302.38	278.11	253.73	357.11	331.03	304.74	278.27
			LDB	117.0	120.5	123.9	127.3	105.2	109.7	114.0	118.3	95.8	101.0	106.1	111.2
	26.5	6.5	TC	336.27	310.59	285.08	259.64	410.66	379.45	348.37	317.34	471.16	435.62	400.13	364.64
			LDB	133.3	135.4	137.5	139.6	124.6	127.4	130.2	132.9	116.8	120.3	123.7	127.0
	42.6	15.7	TC	350.08	323.28	296.67	270.17	434.34	401.19	368.23	335.37	505.71	467.32	429.08	390.89
			LDB	137.5	139.3	141.1	142.8	130.0	132.4	134.8	137.1	123.2	126.1	129.0	131.9
	58.6	28.8	TC	356.42	329.10	302.00	275.01	445.42	411.38	377.55	343.83	522.20	482.48	442.93	403.46
			LDB	139.5	141.1	142.7	144.3	132.6	134.8	136.9	139.0	126.2	128.9	131.6	134.2

BRD 40 6-ROW				CFM											
EWT (F)	GPM	PD (F)		3000				4000				5000			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	14.9	2.4	TC	345.22	318.92	292.77	266.69	415.21	383.85	352.57	321.29	468.12	433.12	398.12	363.03
			LDB	136.0	138.0	139.9	141.7	125.6	128.4	131.2	133.8	116.3	119.8	123.3	126.8
	28.5	7.7	TC	372.80	344.19	315.82	287.59	465.49	429.90	394.55	359.32	543.42	502.11	460.99	419.94
			LDB	144.5	145.7	147.0	148.1	137.2	139.1	140.8	142.6	130.1	132.6	134.9	137.2
	42.0	15.6	TC	381.78	352.43	323.35	294.44	482.79	445.77	409.04	372.48	570.82	527.24	483.93	440.76
			LDB	147.2	148.3	149.3	150.2	141.2	142.7	144.2	145.6	135.2	137.2	139.1	141.0
	55.6	26.1	TC	386.20	356.48	327.06	297.81	491.43	453.71	416.30	379.08	584.78	540.05	495.63	451.38
			LDB	148.6	149.5	150.4	151.3	143.2	144.5	145.9	147.1	137.8	139.6	141.3	143.0

Notes:

1. Refer to New Magic 4 software for detailed performance at other conditions.
2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-60

BRD 60 2-ROW				CFM											
EWT (F)	GPM	PD (F)		5000				6000				7000			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	14.9	2.7	TC	250.91	230.57	210.33	189.96	271.28	258.84	227.67	205.76	305.62	275.10	241.52	226.70
			LDB	86.1	92.5	98.7	104.8	81.6	89.7	94.9	101.5	80.1	85.8	91.7	99.5
	28.1	9.2	TC	292.18	268.26	244.51	220.68	320.99	294.88	268.91	242.81	344.70	316.74	288.88	260.87
			LDB	93.7	99.4	105.0	110.5	89.2	95.3	101.2	107.1	85.3	91.7	97.9	104.2
	41.2	19.5	TC	310.87	285.26	260.03	234.64	344.00	315.92	288.02	260.01	371.62	341.35	311.24	280.99
			LDB	97.1	102.6	107.8	113.0	92.7	98.5	104.1	109.7	88.8	94.9	100.9	106.8
	54.4	33.6	TC	321.58	295.16	268.94	242.66	357.30	328.12	299.11	269.98	387.31	355.75	324.31	292.75
			LDB	99.1	104.4	109.5	114.5	94.7	100.4	105.8	111.3	90.9	96.8	102.6	108.4

BRD 60 4-ROW				CFM											
EWT (F)	GPM	PD (F)		5000				6000				7000			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	10.6	0.7	TC	347.87	322.53	296.97	271.24	402.18	373.95	345.19	316.01	418.74	389.79	360.17	329.93
			LDB	110.1	114.3	118.4	122.3	91.8	97.4	103.0	108.4	85.1	91.3	97.4	103.3
	23.7	3.1	TC	440.75	407.26	373.93	340.67	563.31	521.14	478.98	436.75	608.15	562.94	517.59	472.15
			LDB	131.5	133.8	136.1	138.3	116.5	120.1	123.5	126.9	110.0	114.1	118.1	122.0
	36.8	7.3	TC	469.70	433.78	398.12	362.59	622.97	575.78	528.76	481.80	683.16	631.63	580.21	528.79
			LDB	138.2	140.0	141.7	143.3	125.7	128.4	131.2	133.8	119.9	123.2	126.3	129.5
	49.9	13.3	TC	483.43	446.37	409.62	373.03	653.11	603.42	553.98	504.65	722.17	667.39	612.83	558.34
			LDB	141.3	142.9	144.3	145.7	130.3	132.7	135.0	137.3	125.0	127.9	130.6	133.3

BRD 60 6-ROW				CFM											
EWT (F)	GPM	PD (F)		5000				6000				7000			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	14.9	1.0	TC	452.39	418.32	384.32	350.31	557.66	516.85	475.74	434.27	594.17	549.00	505.76	462.06
			LDB	134.2	136.4	138.5	140.5	115.6	119.4	123.0	126.5	116.3	112.3	116.5	120.7
	38.2	5.9	TC	523.45	483.19	443.33	403.71	722.57	667.41	612.62	558.03	804.10	742.97	682.15	621.47
			LDB	150.6	151.3	152.1	152.8	140.9	142.5	144.0	145.5	135.8	137.8	139.8	141.6
	61.5	14.6	TC	536.54	495.18	454.29	413.67	760.36	702.00	644.16	586.62	857.77	792.08	726.91	662.02
			LDB	153.6	154.1	154.6	155.1	146.7	147.8	148.9	149.9	142.9	144.3	145.6	147.0
	84.4	26.9	TC	541.69	499.91	458.61	417.61	775.99	716.32	657.24	598.50	880.58	812.99	746.00	679.35
			LDB	154.8	155.2	155.6	156.0	149.1	150.0	150.9	151.7	145.9	147.0	148.2	149.2

Notes:

1. Refer to New Magic 4 software for detailed performance at other conditions.
2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)

Heating Capacity - Hot Water Coils - BRD-80

BRD 80 2-ROW				CFM											
EWT (F)	GPM	PD (F)		7000				8000				9000			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	19.9	4.9	TC	366.14	336.22	306.61	276.89	388.14	357.08	325.65	294.22	406.83	374.35	341.45	308.33
			LDB	88.0	94.2	100.3	106.3	84.6	91.0	97.4	103.7	81.5	88.2	94.8	101.5
	29.8	10.8	TC	404.20	371.18	338.36	305.42	432.33	397.23	362.27	327.13	456.07	419.12	382.28	345.24
			LDB	93.1	98.8	104.4	110.0	89.7	95.7	101.6	107.5	86.6	92.9	99.1	105.2
	39.8	19.0	TC	426.18	391.19	356.51	321.72	458.00	420.60	383.48	346.30	485.09	445.55	406.36	366.90
			LDB	96.0	101.5	106.8	112.2	92.6	98.4	104.1	109.7	89.5	95.6	101.5	107.4
	49.9	29.5	TC	440.44	404.30	368.43	332.46	474.76	436.03	397.51	358.83	504.15	463.09	422.21	381.16
			LDB	97.8	103.2	108.4	113.6	94.6	100.2	105.7	111.1	91.5	97.4	103.1	108.8

BRD 80 4-ROW				CFM											
EWT (F)	GPM	PD (F)		7000				8000				9000			
				AIR ENTERING TEMPERATURE EWB (F)											
				40	50	60	70	40	50	60	70	40	50	60	70
160	14.9	1.4	TC	545.27	505.48	465.33	424.89	571.70	530.56	488.80	446.59	592.60	550.35	507.39	463.73
			LDB	101.8	106.6	111.2	115.8	95.8	101.1	106.3	111.3	90.7	96.4	101.9	107.4
	31.8	6.0	TC	704.88	651.61	598.47	545.35	761.84	704.56	647.42	590.19	810.13	749.54	688.91	628.13
			LDB	122.8	125.8	128.7	131.6	117.7	121.2	124.5	127.8	112.9	116.8	120.5	124.2
	48.7	13.7	TC	761.84	703.79	646.05	588.46	833.38	770.16	707.19	644.31	895.94	828.16	760.58	693.05
			LDB	130.3	132.7	135.0	137.3	126.0	128.7	131.4	134.0	121.7	124.8	127.8	130.8
	65.7	24.3	TC	790.20	729.82	669.82	610.02	869.75	803.52	737.64	671.92	940.40	868.94	797.80	726.79
			LDB	134.0	136.1	138.1	140.1	130.2	132.6	134.9	137.2	126.3	129.0	131.6	134.2

BRD 80 6-ROW				CFM											
EWT (F)	GPM	PD (F)		7000				8000				9000			
				AIR ENTERING TEMPERATURE EWB (F)											
				30	40	50	60	30	40	50	60	30	40	50	60
160	14.9	1.2	TC	647.08	578.19	532.43	486.21	678.37	606.74	559.21	511.03	702.56	628.94	580.01	530.34
			LDB	114.9	116.1	120.1	123.9	107.9	109.9	114.4	118.7	101.7	104.4	109.4	114.2
	29.8	4.3	TC	798.93	738.30	677.93	617.67	868.36	802.88	737.56	672.24	927.26	857.70	788.20	718.55
			LDB	135.1	137.2	139.2	141.1	130.0	132.5	134.9	137.3	124.9	127.8	130.7	133.4
	44.7	9.1	TC	857.47	791.82	726.68	661.81	946.70	874.10	802.38	730.89	1024.85	946.93	869.43	792.07
			LDB	142.9	144.3	145.6	146.9	139.0	140.7	142.4	144.0	134.9	137.0	139.0	140.9
	59.7	15.6	TC	884.35	816.44	749.14	682.19	983.18	907.89	833.19	758.81	1072.67	990.70	909.30	828.19
			LDB	146.4	147.5	148.6	149.6	143.2	144.6	145.9	147.2	139.8	141.5	143.1	144.6

Notes:

1. Refer to New Magic 4 software for detailed performance at other conditions.
2. Maximum leaving dry bulb temperature is 104F for factory-provided general-purpose motors.
Shaded areas for reference only

Legend:

EDB - Entering Dry-Bulb (F)
EWB - Entering Wet-Bulb (F)
LDB - Leaving Dry-Bulb (F)
TC - Total Capacity (MBH)





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Magic Aire manufactures the unit ventilator product lines in Wichita Falls, TX. Our management system is registered to both ISO 9001 and ISO 14001, achieving international recognition for quality processes and environmental responsibility. See website for certification dates.

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