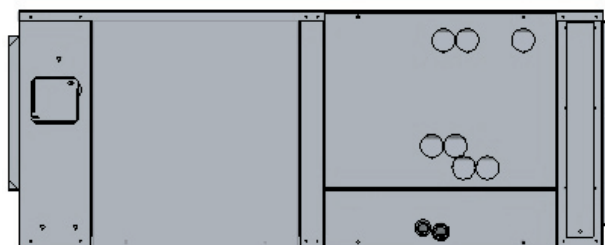
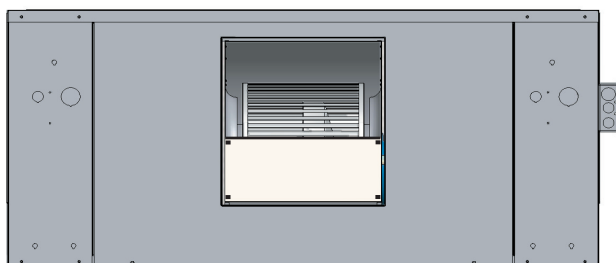
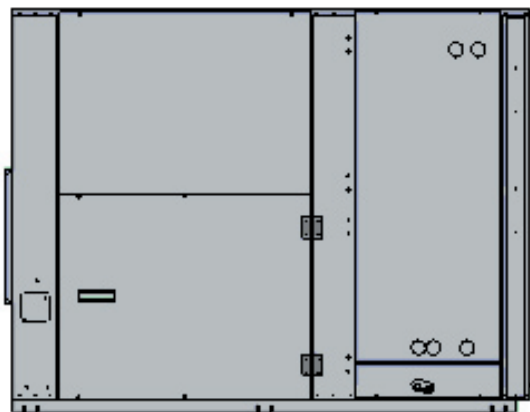
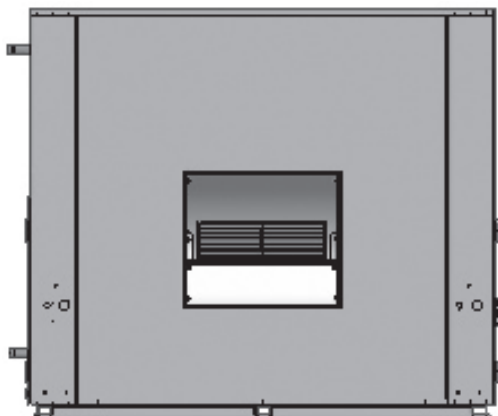


500 THROUGH 10,000 CFM

Double Wall Construction Chilled Water • Hot Water • DX



8-40AWH



60-80AWH



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GENERAL: Unit is a completely factory assembled, single-piece air handler. Unit includes a fan and coil section with factory installed chilled water or direct expansion coil, preheat or reheat hot water coil position, and a 2" filter section. Field mounted components include a mixing box, 2" or 4" flat filter section and a 2" or 4" (4" only available for unit sized 16-80) angled filter section.

STANDARD FEATURES

Unit Cabinet, 1" double wall construction fabricated from a minimum of 18 gauge LFQ (lock forming quality) galvanized steel outer panels and a minimum 24 gauge inner liner fabricated from galvanized steel. Post and panel construction allows for large access panels to permit full access to internal components. The structural integrity of the cabinets remain unaffected by the removal of any or all access panels.

Unit panels shall consist of 1" thick 1.5lb fiberglass insulation sandwiched between galvanized steel exterior and interior panels. Panels are fastened with captured thumb-screws that hold panels in place with a closed cell neoprene gasket in between the panel and the post to prevent thermal bridging from the interior to the exterior of the unit.

Coils are 1/2 inch staggered tube type construction with seamless copper tubes and headers, and deep corrugated aluminum fins with straight edges. Fins are manufactured with full depth collars, drawn in the fin stock to provide accurate control of fin spacing and completely cover the copper tubes to lengthen coil life. The tubes are mechanically expanded into the fins for a permanent primary to secondary surface bond, assuring maximum heat transfer efficiency. The coils are to be tested at 350 pounds air pressure for operation at 300 PSI gauge working pressure.

Drain pans are made from an UL94-5V rated, rigid PVC material with a three-way slope for positive drainage.

Fan Wheels are double width, double inlet (DWDI), forward curved, centrifugal type. They are statically and dynamically balanced for smooth, quiet operation. The Class I housing is constructed of heavy gauge steel with die-formed inlet cones.

Motors and Drives: Belt drive motors are standard duty, 1725 RPM, open, drip-proof construction. Single phase and most three phase motors are resilient mount with automatic reset thermal protection. Motor sheaves are variable pitch, cast iron with a split-tapered hub.

Blower and Motor mounting platform is constructed from 12 gauge LFQ (lock forming quality) galvanized steel. Platform is mounted to cabinet support rails with rubber in compression isolators for quiet vibration free operation. Blower exits cabinet through rubber-isolated frame.

Filter Section includes 2" pleated Merv 7 disposable type fiberglass filters. The 2" filter section is an integral part of the cabinet with easy tool free access.

OPTIONS

Coils are available with 2 circuit options for high or low flow applications. Coil rows options include 1, 2, 4, or 6 rows with a maximum total of 10 rows.

Drain pan options include stainless steel with an insulating coating.

Electric Heat: Discharge mounted electric heat available in a wide range of KW's and voltages. Available voltages are 120/1/60, 208/230/1/60, 277/1/60, 208/230/460/3/60, 575/3/60, 110/220/1/50, and 220/380/440-3-50.

Spring Isolators: Kits are available by unit size and coil rows with and without mixing boxes.

Motor options include 2-speed, TEFC, or (HE) High Efficient. Voltage options include 120/1/60, 208/1/60, 240/1/60, 277/1/60, 208/3/60, 240/3/60, 480/3/60, 575/3/60. Contact Factory for availability of 50HZ motors.

Motor Control Box: For use with standard motors with internal overload protection. The 986FF control box is factory installed and wired. Features include a Disconnect switch, HOA switch, power fusing, motor contactor, 24V control transformer and low voltage terminal block.

Motor Control Starters: For use with non-standard motors without internal overload protection. The 986FR starter box is factory installed and wired. Features include a non-fused disconnect switch with thru-the-door pad lockable handle, HOA switch, built-in overload and magnetic trip, 24V control transformer and low voltage terminal block.

Filter Section options include Double Wall flat filter sections available for filters up to 4". Double Wall angled filter sections accept 2" and 4" (4" only available for unit sized 16-80) deep filters. Filters are arranged in a "V" formation. Double wall access doors are standard on flat and angled filter sections.

Mixing Boxes are double wall construction with parallel blade, interconnecting outside-air and return-air dampers. Damper blades include stiffing breaks and are attached with 1/2" diameter steel rods rotating in nylon bushings and mounted in rigid galvanized steel frames. Dampers are rated as low-leakage, having a leakage rate not to exceed 2% of airflow. Damper blades are gasketed and include edge seal strips.

PART 1: GENERAL

1.01 Section Includes

- A. Air Handling Units

1.02 REFERENCES

AFBMA 9 – Load Ratings and Fatigue Life for Ball Bearings

AMCA 99 – Standards Handbook

AMCA 210 -- Laboratory Methods for Testing Fans for Rating Purposes

AMCA 300 – Test Code for Sound Rating Air Moving Devices

AMCA 500 – Test Methods for Louver, Dampers, and Shutters

AG.ARI 430 – Central-Station Air-Handling Units

ARI 435 – Application of Central-Station Air-Handling Units

NEMA MGI – Motors and Generators

NFPA 70 – National Electric Code

SMACNA – HVAC Duct Construction Standards
– Metal and Flexible

UL 900 – Test Performance of Air Filter Units

UL 1995 – Standard for Heating and Cooling Equipment

1.03 SUBMITTALS

A. Shop drawings: Indicate assembly, unit dimensions, weight loading, required clearances, construction details, field connection details, and electrical characteristics and connection requirements. Computer generated fan curves for each air handling unit shall be submitted with specific design operating point noted. A computer generated psychometric chart shall be submitted for each cooling coil with design points and final operating point clearly noted.

B. Product Data:

1. Provide literature that indicates dimensions, weights, capacities, ratings, fan performance, finishes of materials, and electrical characteristics and connection requirements.
2. Provide data of filter media, filter performance data, filter assembly, and filter frames.
3. Manufacturer's Installation Instructions.

1.04 OPERATION AND MAINTENANCE DATA

A. Maintenance Data: Include instructions for lubrication, filter replacement and motor and drive replacement.

1.05 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing the Products Specified in this section with a minimum 10 years documented experience, which issues complete catalog data on total product.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle product to site
- B. Accept products on site on factory-installed shipping skids. Inspect for damage.
- C. Store in clean dry place and protect from weather and construction traffic. Handle carefully to avoid damage to components, enclosures, and finish.

1.07 ENVIRONMENTAL REQUIREMENTS

A. Do not operate units for any purpose, temporary or permanent, until ductwork is clean, filters are in place, bearings lubricated, and fan has been test run under observation.

PART 2: PRODUCTS

2.01 MANUFACTURERS

- A. The following manufacturers are approved for use. No substitutions will be permitted.

1. Applied Environmental Air (AE-Air)

2.02 CASING

- A. Unit panels shall consist of 1" thick 1.5lb fiberglass insulation sandwiched between galvanized steel exterior and interior panels. Panels are fastened to post with captured thumb-screws that hold panels in place with a closed cell neoprene gasket in between the panel and the post to prevent thermal bridging from the interior to the exterior of the unit.
- B. Removable panels on both sides of unit shall provide full access to unit components. Blower and filter access panels shall have tool free fasteners.
- C. Drain pans shall be an UL94-5 rated, rigid PVC material with a three way slope for positive drainage of condensate. Optional drain pan shall be heavy gauge stainless steel with an insulating coating. Secondary drain connections shall extend to cabinet exterior to comply with International Building Code and International Mechanical Code. Drain pans shall be removable for cleaning or replacement without removing coils or disturbing coil connections. Coil vents and drains shall be accessible from separate access panel.

2.03 SUPPLY FAN

- A. Provide DWDI forward-curved supply fans. Fan assemblies shall be statically and dynamically balanced by manufacturer. The housings are constructed from heavy gauge galvanized steel with die-formed inlet cones.
- B. Bearings shall be self-aligning, ball or roller bearings.
- C. Fan and motor mounting platform shall be a minimum of 12 gauge LFQ galvanized steel.

2.04 DRIVES

- A. Shafts shall be solid, hot rolled steel, ground and polished, keyed to shaft, and protectively coated with lubricating oil. Hollow shafts are not acceptable.
- B. V-belt drives shall be cast iron or steel sheaves, dynamically balanced, bored to fit shafts and keyed. Variable and adjustable pitch sheaves selected so required RPM is obtained with sheaves set at mid-position and rated based on motor horsepower.

2.05 ELECTRICAL

- A. Motors: provide (ODP) (TEFC) type with (EPACT) (premium) efficiency. Electrical characteristics shall be as shown in schedule.

2.07 COOLING AND HEATING COIL SECTIONS

- A. Provide access to coils from connection side of unit for service and cleaning. Enclose coil headers and return bends fully within unit cabinet. Drain and vent connections shall be accessible by separate access panel. Coil connections must exit manifold panel through grommets on the exterior of unit casing to minimize air leakage and condensation inside panel assembly.
- B. Water Coils: fins shall have full drawn collars to provide a continuous surface cover over the entire tube for maximum heat transfer. Tubes shall be mechanically expanded into the fins to provide a continuous primary-to-secondary compression bond over the entire finned length for maximum heat transfer rates. Bare copper tube shall not be visible between fins. Coil tubes shall be seamless copper, expanded into fins, brazed at joints. Coil connections shall be copper with connection size to be determined by manufacturer based upon the most efficient coil circuiting. Vent connections shall be provided at the highest point of the header to assure proper venting. Coils shall be tested with 350 pounds air pressure and suitable for 300 psig working pressure. Coil casings shall be a formed channel frame of galvanized steel.

- C. **Refrigerant Coils:** Coils designed for use with Refrigerant (R-22) (R-410a). Fins shall be of aluminum with full drawn collars to provide a continuous surface cover over the entire tube for maximum heat transfer. Tubes shall be mechanically expanded into the fins to provide a continuous primary-to-secondary compression bond over the entire finned length for maximum heat transfer rates. Bare copper tube shall not be visible between fins. Coils to be manufactured from rifled enhanced copper tubing.

2.08 FILTERS

- A. Filter sections shall be Double wall construction.
B. (Angled) (Flat) arrangement with (2") (4") deep pleated panel filters (4" only available for unit sized 16-80)
C. Filter shall be MERV 7 (or MERV 8)
D. Filter media shall be UL 900listed, Class I or Class II.

2.09 MIXING BOXES

- A. Optional mixing box consist of the same construction as described in "2.02 Casings." Section shall include factory mounted outside and return air dampers. Boxes shall be double wall construction with parallel blade, interconnecting outside-air and return-air dampers. Damper blades shall include stiffing breaks and attached with 1/2" diameter steel rods rotating in nylon bushings and mounted in rigid galvanized steel frames. Dampers shall be rated as low-leakage, having a leakage rate not to exceed 2% of airflow. Damper blades shall be gasketed and include edge seal strips.

PART 3: EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

**NOMENCLATURE
SELECTION PROCEDURE**

Nominal CFM 08 - 800 12 - 1200 16 - 1600 20 - 2000 30 - 3000 40 - 4000 60 - 6000 80 - 8000 OEM ID A - AE - Air Unit Type W - Water X - DX Configuration H - Horizontal Construction Type D - Double Wall Open Model Revision	12 A W H D * * - 4Q - 2H - * - R - 0.75 - 231	Coil Connection R - Right Hand L - Left Hand 3rd Coil Position 2nd Coil Position 1st Coil Position 1Q 1 row - quarter circuit 2F 2 row - full circuit 2H 2 row - half circuit 4H 4 row - half circuit 4Q 4 row - quarter circuit 6H 6 row - half circuit 6Q 6 row - quarter circuit 4A 4 row - STD DX coil-R22 4B 4 row - STD DX coil-R410A	Voltage 151 115V-1Ph-60Hz 201 208V-1Ph-60Hz 231 230V-1Ph-60Hz 271 277V-1Ph-60Hz 111 110V-1Ph-50Hz 221 220V-1Ph-50Hz 203 208V-3Ph-60Hz 233 230V-3Ph-60Hz 463 460V-3Ph-60Hz 573 575V-3Ph-60Hz 223 220V-3Ph-50Hz 383 380V-3Ph-50Hz 443 440V-3Ph-50Hz Horsepower 0.25 0.33 0.50 0.75 1.0 1.5 2.0 3.0 5.0 7.5 10.0
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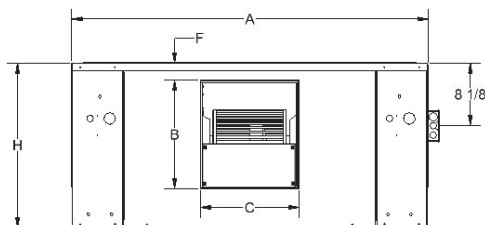
Required Order Information

1. Model number with rows and circuit
2. CFM and external static pressure
3. Motor HP
4. Actual voltage motor is to be wired to.
5. Hot water coil installed in preheat or reheat position
6. Hand connections with air hitting you in back of head

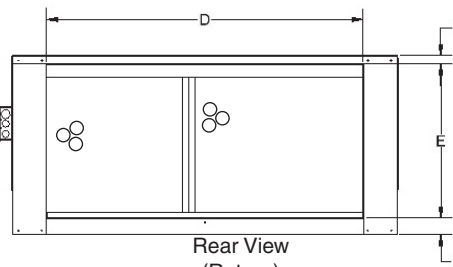
Product Specifications

Horizontal
Chilled Water / Hot Water / DX

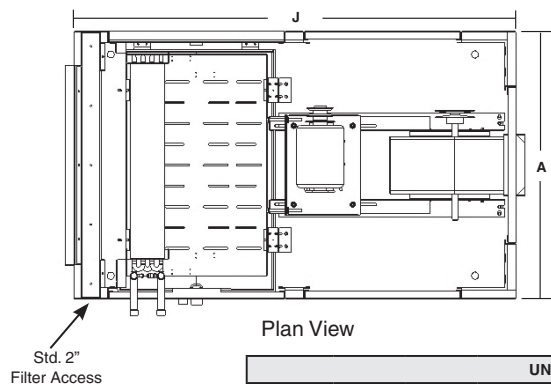
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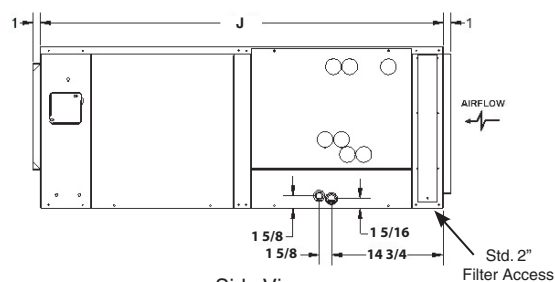
Front View
(Supply)



Rear View
(Return)

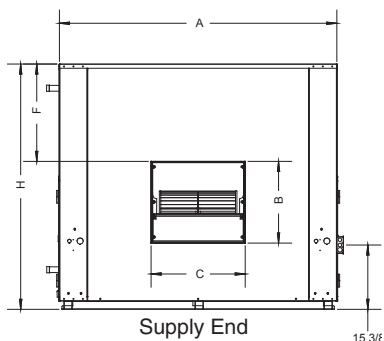


Plan View

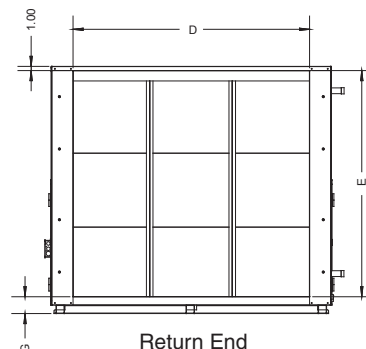


Side View
(Left Hand Connection)

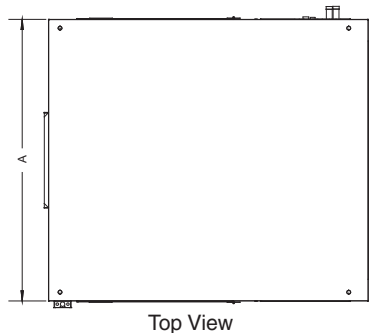
UNIT CABINET DIMENSIONS										
UNIT MODEL	A	B	C	D	E	F	G	H	J	FILTERS (MERV7)
8AWH	32-1/4	10-7/8	7-1/2	24	16	1-3/4	2	19	53-1/4	(2) 16X25X2
12AWH	36-1/4	10-7/8	8-7/8	24	16	1-3/4	2	19	53-1/4	(2) 16X25X2
16AWH	40-1/4	12	10-1/4	32	18-1/2	2-1/4	2	21-1/2	53-1/4	(2) 18X20X2
20AWH	46-1/4	14-1/8	12-7/8	38	18-1/2	2-1/4	2	21-1/2	53-1/4	(1) 18X20X2 (1) 18X24X2
30AWH	46-1/4	16-1/2	15-1/4	36	31	8	2	34	66-1/8	(4) 16X20X2
40AWH	57-1/4	16-1/2	19-1/4	47	31	7-7/8	2	34	66-1/8	(4) 16X25X2



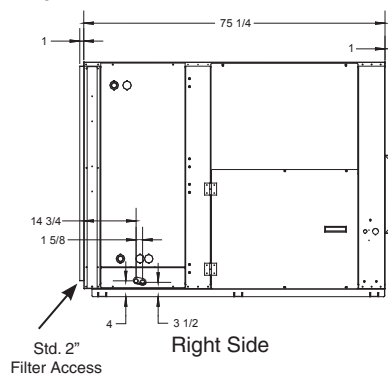
Supply End



Return End



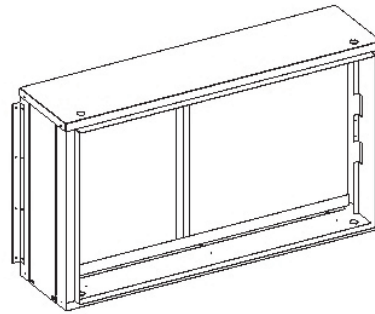
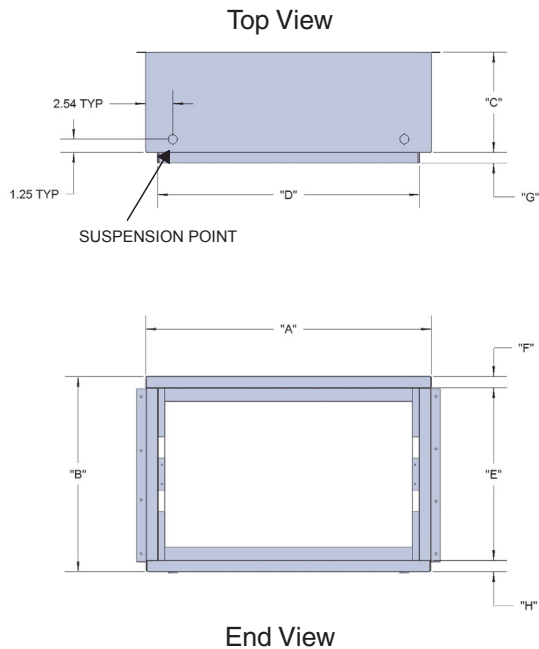
Top View



Right Side

UNIT CABINET DIMENSIONS									
UNIT MODEL	A	B	C	D	E	F	G	H	FILTERS (MERV7)
60AWH	66-1/4	19-1/2	22-1/2	56	41	10-3/4	4	44	(9) 15x20x2
80AWH	66-1/4	19-1/2	22-1/2	56	53-1/2	23-1/4	4	58-1/2	(9) 18x20x2

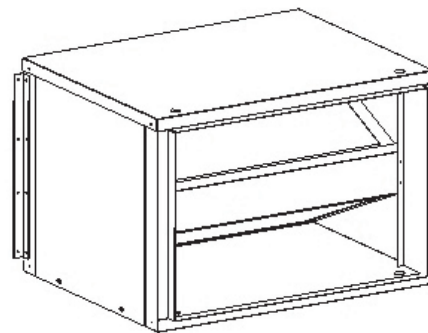
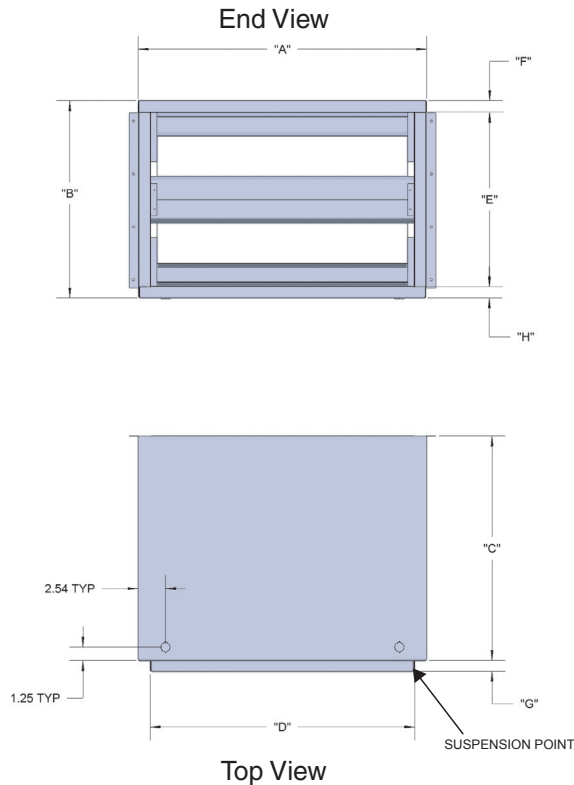
OPTIONAL FLAT FILTER SECTION



FLAT FILTER BOX											
UNIT SIZE	PART NUMBER	FILTER SIZE	A	B	C	D	E	F	G	H	FILTER SIZE (Qty)
8	9BDAF12F2 9BDAF12F4	2" 4"	26-13/16	18-3/8	9-7/16	24-1/2	16-1/4	1	1	1	(1) 25 X 16
12	9BDAF12F2 9BDAF12F4	2" 4"	26-13/16	18-3/8	9-7/16	24-1/2	16-1/4	1	1	1	(1) 25 X 16
16	9BDAF16F2 9BDAF16F4	2" 4"	37-1/4	21-1/2	9-7/16	35	19-3/4	1	1	1	(1) 16 X 20 (1) 20 X 20
20	9BDAF20F2 9BDAF20F4	2" 4"	41-1/4	21-1/2	9-7/16	39	19-3/4	1	1	1	(2) 20 X 20
30	9BDAF30F2 9BDAF30F4	2" 4"	41-13/16	34	9-3/8	39-5/8	32	1	1	1	(4) 16 X 20
40	9BDAF40F2 9BDAF40F4	2" 4"	51	34	9-3/8	48-7/8	32	1	1	1	(4) 16 X 25
60	9BDAF60F2 9BDAF60F4	2" 4"	61	44	9-3/8	58-7/8	42	1	1	1	(6) 20 X 20
80	9BDAF80F2 9BDAF80F4	2" 4"	61	56-1/2	9-3/8	58-7/8	54-1/4	1	1	1	(9) 20 X 18

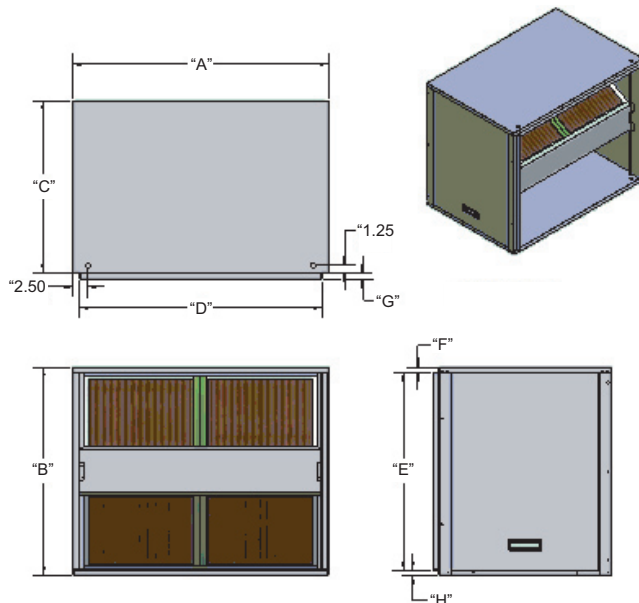
NOTE: Unit comes standard with 2" filter mounted in cabinet

OPTIONAL ANGLED FILTER SECTION



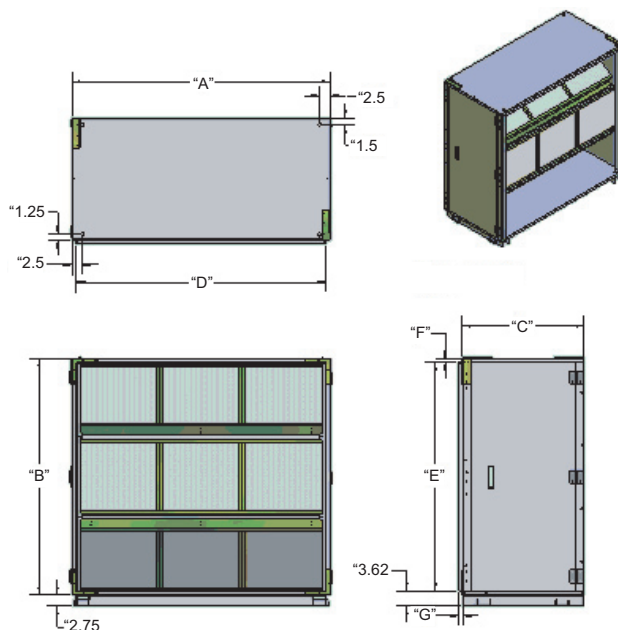
ANGLED FILTER BOX											
UNIT SIZE	PART NUMBER	FILTER SIZE	A	B	C	D	E	F	G	H	FILTER SIZE (Qty)
8	9BDAF12A2 9BDAF12A4	2" 4"	26.78	18.32	20.88	24.57	16.21	1	1	1	(2) 25 X16
12	9BDAF12A2 9BDAF12A4	2" 4"	26.78	18.32	20.88	24.57	16.21	1	1	1	(2) 25 X 16
16	9BDAF16A2 9BDAF16A4	2" 4"	37.28	21.57	28.68	35.07	19.71	1	1	1	(2) 18 X 24
20	9BDAF20A2 9BDAF20A4	2" 4"	41.28	21.57	28.68	39.07	19.71	1	1	1	(2) 20 X 24

OPTIONAL ANGLED FILTER SECTION



ANGLED FILTER BOX											
UNIT SIZE	PART NUMBER	FILTER SIZE	A	B	C	D	E	F	G	H	FILTER SIZE (Qty)
30	9BDAF30A2 9BDAF30A4	2" 4"	41-13/16	34	28	39-5/8	32	1	1	1	(4) 20 X 25
40	9BDAF40A2 9BDAF40A4	2" 4"	51	34	27	48-7/8	32	1	1	1	(4) 16 X 24 (2) 18 x 24

NOTE: Unit comes standard with 2" filter mounted in cabinet



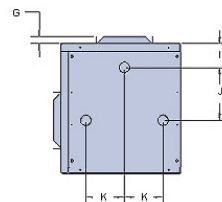
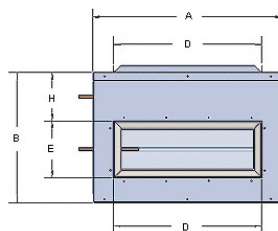
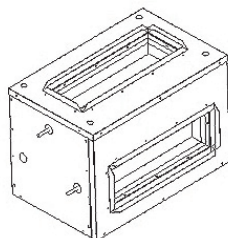
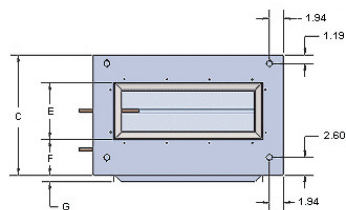
ANGLED FILTER BOX											
UNIT SIZE	PART NUMBER	FILTER SIZE	A	B	C	D	E	F	G	H	FILTER SIZE (Qty)
60	9BDAF60A2 9BDAF60A4	2" 4"	61	44	21-3/8	58-7/8	42	1	1	1	(9) 16 X 20
80	9BDAF80A2 9BDAF80A4	2" 4"	61	56-1/2	28-1/2	58-7/8	54-1/4	1	1	1	(3) 20 X 18 (6) 20 x 25

NOTE: Unit comes standard with 2" filter mounted in cabinet

Product Specifications

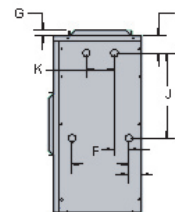
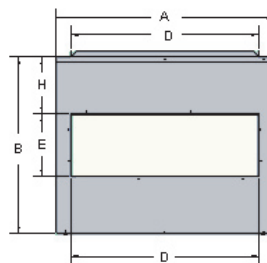
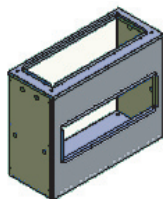
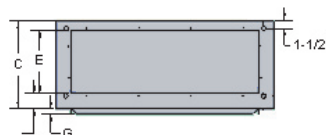
Horizontal
Chilled Water / Hot Water / DX

MIXING BOX



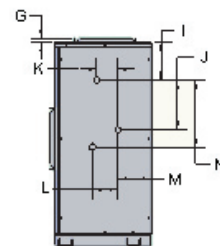
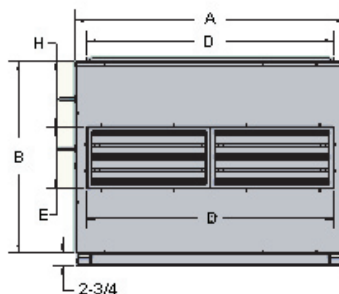
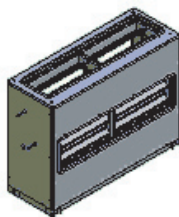
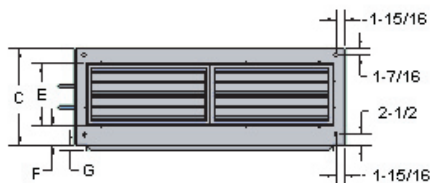
8-20 MIXING BOX DIMENSIONS

UNIT MODEL	A	B	C	D	E	F	G	H	I	J	K
9BDAM08	26.78	18.31	16.91	21.00	8.00	5.00	1.00	6.81	3.35	7.48	5.44
9BDAM12	26.78	18.31	16.91	21.00	8.00	5.00	1.00	6.81	3.35	7.48	5.44
9BDAM16	37.28	21.57	16.91	32.00	10.00	4.00	1.00	8.05	3.35	9.71	5.44
9BDAM20	41.28	21.57	16.91	36.00	10.00	4.00	1.00	8.05	3.35	9.71	5.44



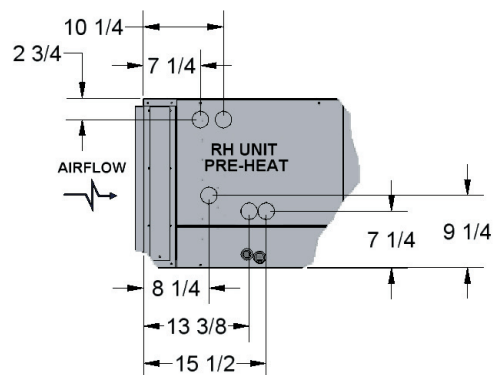
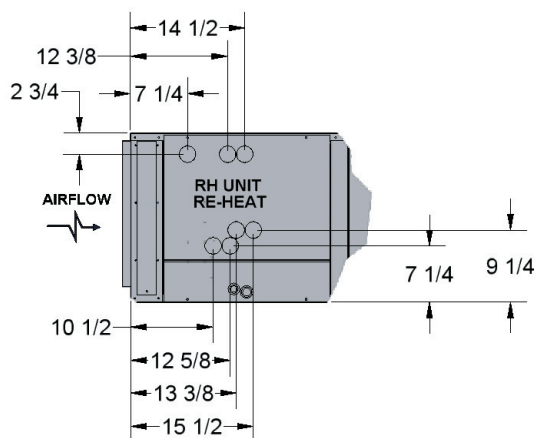
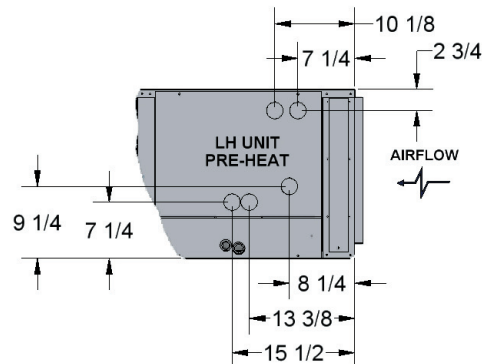
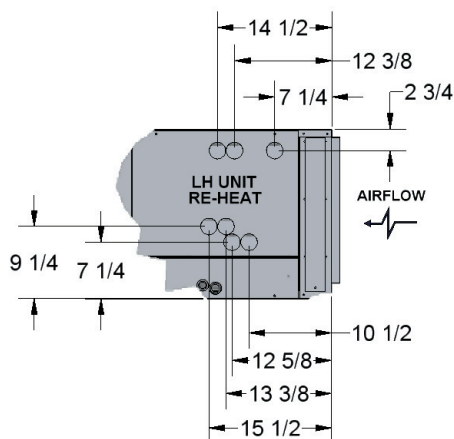
30-40 MIXING BOX DIMENSIONS

UNIT MODEL	A	B	C	D	E	F	G	H	I	J	K
9BDAM30	37-13/16	34	16-15/16	36	12	3	1	11	3-3/8	16-3/8	5-3/8
9BDAM40	52-13/16	34	17	46	12	3	1	11	3-3/8	16-3/8	5-3/8

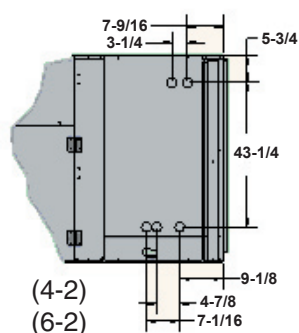


60-80 MIXING BOX DIMENSIONS

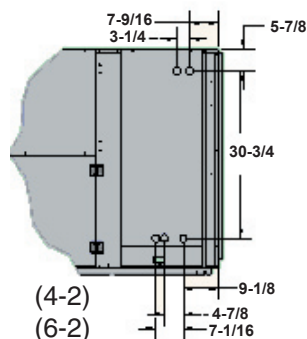
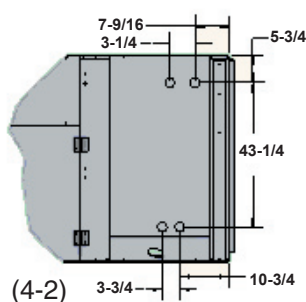
UNIT MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N
9BDAM60	61	43-5/16	22	56	14	4-9/16	1	14-11/16	8-1/2	11-1/4	4-7/8	5-7/8	7-1/2	15-3/16
9BDAM80	61	55-7/8	22	56	14	4-9/16	1	20-15/16	8-1/2	17-1/2	4-7/8	5-13/16	7-9/16	21-7/16



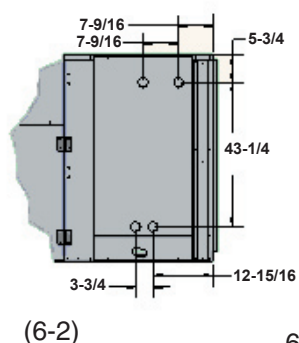
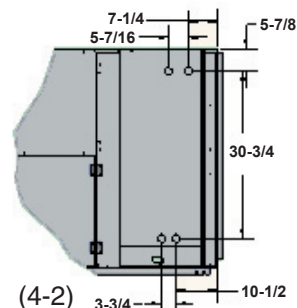
COIL MANIFOLD CONNECTIONS					PLASTIC CONDENSATE PAN CONNECTIONS		SS CONDENSATE PAN CONNECTIONS	
UNIT MODEL	1 ROW	2 ROW	4 ROW	6 ROW	PRIMARY	SECONDARY	PRIMARY	SECONDARY
8AWH	7/8" O.D.	7/8" O.D.	7/8" O.D.	7/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
12AWH	7/8" O.D.	7/8" O.D.	7/8" O.D.	7/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
16AWH	7/8" O.D.	7/8" O.D.	1-1/8" O.D.	1-1/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
20AWH	7/8" O.D.	7/8" O.D.	1-1/8" O.D.	1-1/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
30AWH	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
40AWH	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
COIL CONNECTIONS ARE COPPER SWEAT FITTINGS					PVC CONNECTIONS		MPT CONNECTIONS	



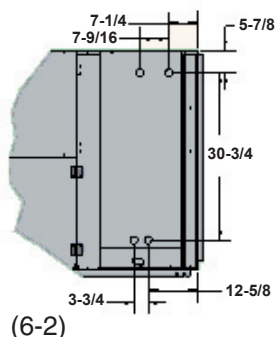
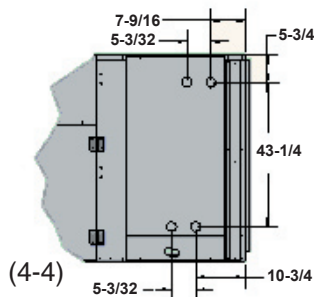
60AWH



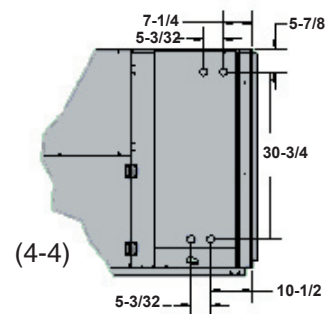
80AWH



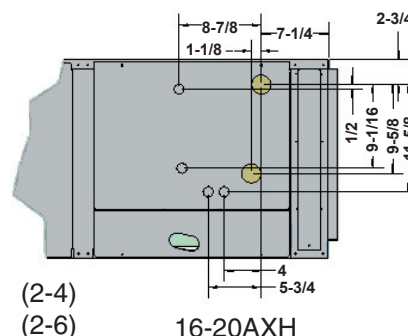
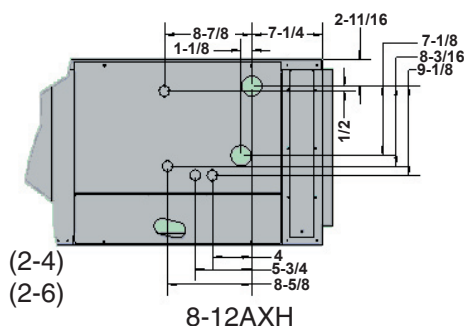
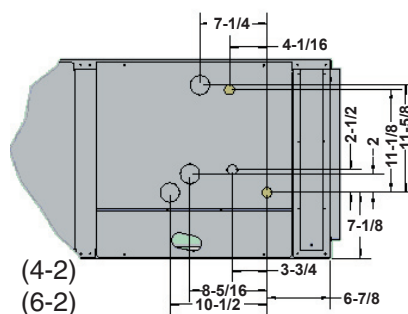
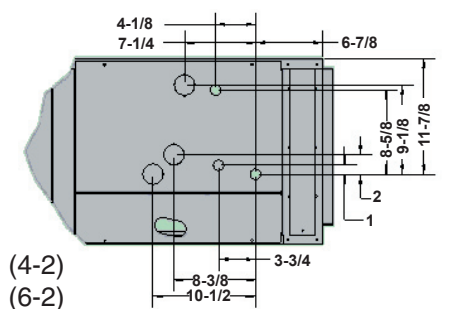
60AWH



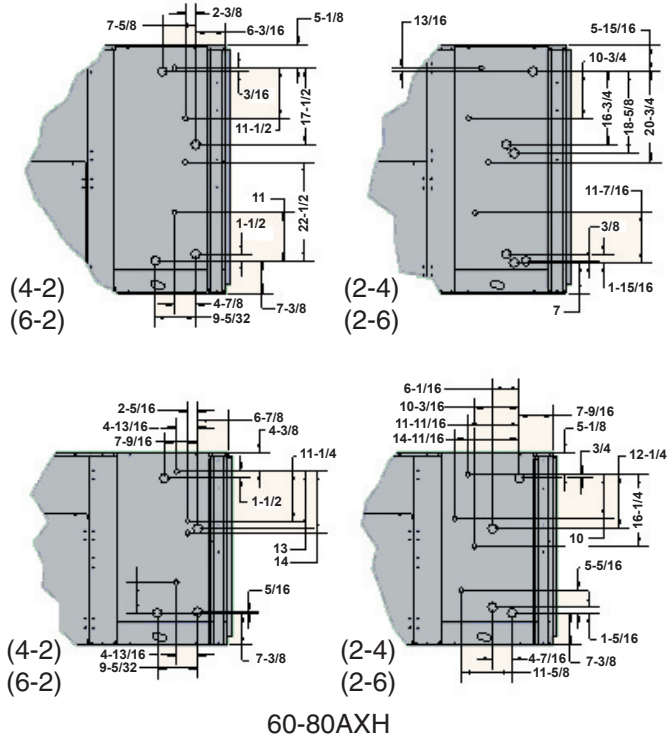
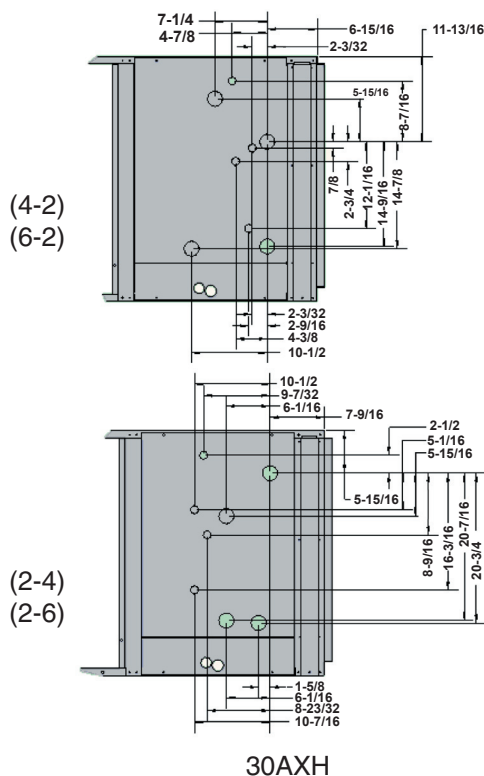
80AWH



COIL MANIFOLD CONNECTIONS					PLASTIC CONDENSATE PAN CONNECTIONS		SS CONDENSATE PAN CONNECTIONS	
UNIT MODEL	1 ROW	2 ROW	4 ROW	6 ROW	PRIMARY	SECONDARY	PRIMARY	SECONDARY
60AWH	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
80AWH	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC SLIP I.D.	3/4" MPT	3/4" MPT
COIL CONNECTIONS ARE COPPER SWEAT FITTINGS					PVC CONNECTIONS		MPT CONNECTIONS	



Single Circuit Coil Connections					Drain Pan Connections			
Unit Model	DX Connections		Hot Water Connections		Plastic Pan Connections (Standard)		SS Pan Connections (Optional)	
	Liquid Line	Suction Line	1-Row	2-Row	Primary	Secondary	Primary	Secondary
08AXH-4 Row	3/8"	3/4"	7/8" O.D.	7/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
08AXH-6 Row	3/8"	3/4"						
12AXH-4 Row	3/8"	3/4"	7/8" O.D.	7/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
12AXH-6 Row	3/8"	3/4"						
16AXH-4 Row	1/2"	7/8"	7/8" O.D.	7/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
16AXH-6 Row	1/2"	7/8"						
20AXH-4 Row	1/2"	7/8"	7/8" O.D.	7/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
20AXH-6 Row	1/2"	7/8"						
Coil Connections are Copper Sweat Fittings					PVC Connections		Male Pipe Thread Connections	
All Direct Expansion (DX) Coils Include Factory Mounted R-410A Thermal Expansion Valve (TXV's)								



Single Circuit Coil Connections					Drain Pan Connections			
Unit Model	DX Connections		Hot Water Connections		Plastic Pan Connections (Standard)		SS Pan Connections (Optional)	
	Liquid Line	Suction Line	1-Row	2-Row	Primary	Secondary	Primary	Secondary
30AXH-4 Row	5/8"	1-1/8"	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
30AXH-6 Row	5/8"	1-1/8"						
Dual Circuit DX Coil Connections (2 each)			Single Circuit (1 each)		Drain Pan Connections			
Unit Model	DX Connections		Hot Water Connections		Plastic Pan Connections (Standard)		SS Pan Connections (Optional)	
	Liquid Line	Suction Line	1-Row	2-Row	Primary	Secondary	Primary	Secondary
40AXH-4 Row	1/2" (2)	1-1/8" (2)	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
40AXH-6 Row	1/2" (2)	1-1/8" (2)						
60AXH-4 Row	5/8" (2)	1-1/8" (2)	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
60AXH-6 Row	5/8" (2)	1-1/8" (2)						
80AXH-4 Row	5/8" (2)	1-1/8" (2)	1-3/8" O.D.	1-3/8" O.D.	3/4" PVC I.D.	1/2" PVC Slip I.D.	3/4" MPT	3/4" MPT
80AXH-6 Row	5/8" (2)	1-1/8" (2)						
Coil Connections are Copper Sweat Fittings					PVC Connections		Male Pipe Thread Connections	
All Direct Expansion (DX) Coils Include (2) Factory Mounted R-410A Thermal Expansion Valves (TXV's)								

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

8AWH - 12AWH CHILLED WATER COOLING PERFORMANCE

8AWH (4 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
600	4.1	2.8	17.8	14.0	8.7	53.3	52.9	23.4	16.2	11.4	55.1	54.5	29.3	18.2	14.3	56.9	56.4
800			20.3	17.1	9.9	55.1	54.5	26.6	19.6	13.0	57.3	56.6	33.4	21.9	16.3	59.6	58.8
1000			22.5	20.2	11.0	56.3	55.5	29.5	22.9	14.4	58.8	57.9	37.0	25.5	18.1	61.3	60.4
600	6.1	5.9	20.1	14.9	6.6	51.9	51.4	26.4	17.3	8.6	53.2	52.7	33.1	19.6	10.9	54.7	54.1
800			23.3	18.3	7.6	53.7	53.1	30.5	21.1	10.0	55.6	54.9	38.3	23.8	12.6	57.5	56.7
1000			26.3	21.6	8.6	55.0	54.2	34.4	24.8	11.3	57.1	56.2	43.2	27.8	14.2	59.3	58.3
600	8.1	10.1	21.3	15.4	5.3	51.2	50.7	27.9	10.0	6.9	52.3	51.8	35.0	20.4	8.6	53.5	52.9
800			24.9	19.0	6.1	53.0	52.4	32.6	21.9	8.0	54.6	53.9	40.8	24.7	10.1	56.3	55.8
1000			28.3	22.4	7.0	54.2	53.4	37.1	25.8	9.2	56.1	55.2	46.5	29.0	11.5	58.2	57.2

8AWH (6 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
600	3.4	2.4	19.4	14.8	11.4	52.1	51.9	25.5	17.2	15.0	53.5	53.5	31.9	19.4	18.8	55.1	54.8
800			22.3	18.3	13.1	53.9	53.6	29.2	20.9	17.2	55.8	55.8	36.6	23.5	21.5	57.8	57.5
1000			24.9	21.6	14.6	55.0	54.7	32.6	24.6	19.2	57.2	56.8	40.8	27.5	24.0	59.5	59.1
600	5.4	5.6	22.8	16.2	8.5	50.0	49.7	29.9	18.9	11.1	50.8	50.5	37.5	21.2	13.9	52.2	51.9
800			26.7	20.1	9.9	51.8	51.4	35.0	23.3	13.0	53.1	52.8	43.9	26.3	16.3	54.5	54.2
1000			30.6	23.9	11.3	52.9	52.6	40.1	27.5	14.8	54.5	54.2	50.3	31.0	18.6	56.3	55.9
600	7.4	10.0	24.5	16.9	6.6	48.8	48.6	32.1	19.7	8.7	49.6	49.3	40.3	22.2	10.9	50.7	50.5
800			29.1	21.0	7.9	50.6	50.4	38.1	24.5	10.3	51.6	51.3	47.8	27.9	12.9	52.7	52.4
1000			33.6	25.1	9.1	51.8	51.4	44.0	29.1	11.9	53.1	52.7	55.2	32.9	14.9	54.5	54.1

12AWH (4 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
1000	4.7	3.6	24.8	21.2	10.5	55.4	54.7	32.4	24.2	13.8	57.6	56.9	40.7	27.0	17.3	60.0	59.2
1200			27.1	24.2	11.5	56.3	55.5	35.4	27.5	15.1	58.8	57.9	44.5	30.6	18.9	61.3	60.4
1400			28.9	27.0	12.3	57.2	56.2	37.8	30.5	16.1	59.8	58.7	47.4	33.9	20.2	62.6	61.4
1000	6.7	6.7	28.1	22.5	8.4	54.2	53.5	36.8	25.8	11.0	56.1	55.3	46.2	29.0	13.8	58.1	57.3
1200			31.1	25.7	9.3	55.1	54.3	40.7	29.5	12.2	57.3	56.3	51.1	33.0	15.2	59.5	58.5
1400			33.5	28.7	10.0	56.0	55.0	43.9	32.8	13.1	58.3	57.2	55.1	36.6	16.4	60.8	59.6
1000	8.7	10.8	29.9	23.2	6.9	53.5	52.8	39.1	26.7	9.0	55.2	54.5	49.1	30.1	11.3	57.1	56.3
1200			33.2	26.6	7.6	54.5	53.6	43.5	30.5	10.0	56.4	55.5	54.6	34.3	12.6	58.5	57.5
1400			36.1	29.8	8.3	55.3	54.3	47.3	34.1	10.9	57.5	56.4	59.4	38.2	13.7	59.7	58.6

12AWH (6 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
1000	4.0	3.5	27.5	22.7	13.8	54.0	53.7	36.1	26.0	18.0	55.9	55.6	45.3	29.2	22.6	58.0	57.6
1200			30.4	26.1	15.2	54.9	54.5	39.8	29.8	19.9	57.0	56.6	49.9	33.5	25.0	59.3	58.9
1400			32.6	29.3	16.3	55.6	55.2	42.7	33.3	21.4	58.0	57.5	53.6	37.2	26.8	60.4	60.0
1000	6.0	7.5	32.5	24.7	10.8	52.1	51.8	42.6	28.6	14.2	53.6	53.2	53.4	32.3	17.8	55.1	54.7
1200			36.4	28.5	12.1	53.0	52.7	47.6	32.8	15.9	54.7	54.3	59.8	37.0	19.9	56.4	56.0
1400			39.7	32.1	13.2	53.8	53.4	51.9	36.8	17.3	55.7	55.2	65.2	41.4	21.7	57.6	57.2
1000	8.0	13.1	35.2	25.8	8.8	51.1	50.8	46.1	29.9	11.5	52.3	51.9	57.8	34.0	14.5	53.5	53.1
1200			39.6	29.8	9.9	52.0	51.6	51.9	34.5	13.0	53.4	53.0	65.1	39.1	16.3	54.8	54.4
1400			43.6	33.6	10.9	52.7	52.3	57.1	38.8	14.3	54.3	53.9	71.6	43.8	17.9	56.0	55.5

Contact factory for additional coil circuiting options

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

16AWH - 20AWH CHILLED WATER COOLING PERFORMANCE

16AWH (4 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
1400	5.5	4.2	32.4	28.7	11.8	56.0	55.3	42.5	32.7	15.4	58.4	57.6	53.3	36.4	19.4	60.9	60.1
1600			33.9	31.4	12.3	56.8	56.0	44.4	35.6	16.2	59.4	58.5	55.7	39.6	20.3	62.1	61.1
1800			35.7	34.2	13.0	57.4	56.5	46.7	38.6	17.0	60.1	59.1	58.6	42.9	21.3	62.9	61.8
1400	8.5	9.1	38.4	31.1	9.1	54.4	53.7	50.4	35.7	11.9	56.4	55.6	63.2	40.0	14.9	58.5	57.7
1600			40.8	34.1	9.6	55.3	54.4	53.5	39.0	12.6	57.4	56.5	67.1	43.6	15.8	59.7	58.7
1800			43.4	37.2	10.2	55.9	54.9	56.8	42.4	13.4	58.2	57.2	71.3	47.4	16.8	60.6	59.5
1400	11.5	15.5	41.4	32.3	7.2	53.7	52.9	54.3	37.2	9.4	55.4	54.6	68.1	41.9	11.8	57.3	56.5
1600			44.3	35.5	7.7	54.5	53.6	58.0	40.7	10.1	56.4	55.5	72.8	45.8	12.7	58.5	57.5
1800			47.4	38.7	8.3	55.1	54.1	62.1	44.4	10.8	57.2	56.1	77.9	49.8	13.6	59.4	58.3

16AWH (6 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
1400	4.0	3.3	32.8	29.5	16.4	55.5	55.2	43.0	33.5	21.5	57.8	57.5	53.9	37.4	27.0	60.3	56.9
1600			34.2	32.4	17.1	56.3	55.9	44.7	36.7	22.4	58.8	58.4	56.2	40.8	28.1	61.4	61.0
1800			36.1	35.5	18.0	56.8	56.4	47.2	40.0	23.6	59.4	59.0	59.3	44.4	29.7	62.2	61.7
1400	6.5	7.7	42.0	33.1	12.9	53.1	52.8	54.9	38.1	16.9	54.8	54.4	68.9	42.9	21.2	56.6	56.2
1600			44.6	36.4	13.7	53.9	53.6	58.5	41.8	18.0	55.8	55.4	73.4	47.0	22.6	57.8	57.4
1800			47.6	39.9	14.7	54.5	54.1	62.4	45.7	19.2	56.5	56.1	78.3	51.2	24.1	58.7	58.2
1400	9.0	13.6	47.0	35.2	10.4	51.7	51.4	61.5	40.7	13.7	53.1	52.7	77.2	46.1	17.2	54.5	54.1
1600			50.5	38.8	11.2	52.5	52.2	66.1	44.8	14.7	54.1	53.7	83.0	50.6	18.5	55.7	55.3
1800			54.3	42.6	12.1	53.1	52.7	71.1	49.0	15.8	54.8	54.5	89.3	55.3	19.8	56.6	56.1

20AWH (4 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
1800	6.0	5.5	39.2	35.8	13.1	56.6	55.8	51.3	40.6	17.1	59.1	58.2	64.4	45.2	21.5	61.7	60.8
2000			40.3	38.4	13.5	57.2	56.3	52.8	43.4	17.6	59.9	58.9	66.3	48.2	22.1	62.7	61.6
2200			42.2	41.2	14.1	57.6	56.7	55.3	46.5	18.4	60.4	59.4	69.4	51.6	23.1	63.3	62.1
1800	8.5	10.0	45.7	38.3	10.8	55.3	54.5	59.8	43.8	14.1	57.4	56.6	75.1	49.1	17.7	59.7	58.8
2000			47.6	41.2	11.2	55.9	55.0	62.3	46.9	14.7	58.3	57.3	78.2	52.4	18.4	60.7	59.7
2200			50.1	44.2	11.8	56.4	55.4	65.6	50.3	15.4	58.8	57.8	82.3	56.1	19.4	61.4	60.3
1800	11.0	15.7	49.4	39.8	9.0	54.5	53.7	64.7	45.7	11.8	56.5	55.6	81.2	51.3	14.8	58.6	57.7
2000			51.8	42.8	9.4	55.2	54.3	67.8	48.9	12.3	57.3	56.4	85.0	54.9	15.5	59.6	58.6
2200			54.7	46.0	10.0	55.6	54.6	71.7	52.6	13.0	57.9	56.8	89.9	58.8	16.4	60.3	59.1

20AWH (6 ROW - QUARTER CIRCUIT) (45° EWT)

CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
1800	4.5	4.7	40.0	37.1	17.8	55.9	55.6	52.4	42.0	23.3	58.4	58.0	65.7	46.8	29.2	60.9	60.6
2000			41.0	39.8	18.2	56.6	56.2	53.7	45.0	23.9	59.2	58.8	67.4	49.9	30.0	61.9	61.5
2200			43.2	43.0	19.2	56.9	56.5	56.6	48.5	25.2	59.6	59.2	71.0	53.8	31.6	62.4	61.9
1800	7.0	10.1	51.0	41.1	14.6	53.7	53.4	66.8	47.5	19.1	55.6	55.2	83.9	53.4	24.0	57.5	57.2
2000			53.3	44.5	15.2	54.4	54.0	69.8	51.0	20.0	56.4	56.0	87.6	57.2	25.0	58.5	58.1
2200			56.4	48.1	16.1	54.8	54.4	73.9	54.9	21.1	56.9	56.5	92.7	61.5	26.5	59.1	58.7
1800	9.5	17.3	57.3	43.9	12.1	52.4	52.1	75.1	50.7	15.8	53.9	53.6	94.2	57.3	19.8	55.5	55.1
2000			60.4	47.4	12.7	53.1	52.7	79.1	54.6	16.7	54.7	54.3	99.2	61.5	20.9	56.5	56.1
2200			64.3	51.2	13.5	53.5	53.1	84.1	58.8	17.7	55.2	54.8	105.6	66.2	22.2	57.1	56.7

Contact factory for additional coil circuiting options

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

30AWH - 40AWH CHILLED WATER COOLING PERFORMANCE

30AWH (4 ROW - QUARTER CIRCUIT) (45° EWT)																	
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
2500	9.0	6.0	57.4	51.3	12.8	56.0	55.3	75.2	58.3	16.7	58.4	57.7	94.3	65.0	21.0	60.9	60.2
3000			62.6	58.7	13.9	56.9	56.1	82.0	66.4	18.2	59.5	58.6	102.9	73.8	22.9	62.2	61.3
3500			66.6	65.5	14.8	57.7	56.7	87.2	73.9	19.4	60.5	59.4	109.4	81.9	24.3	63.3	62.2
2500	12.0	10.1	65.4	54.4	10.9	54.9	54.2	85.6	62.2	14.3	57.0	56.2	107.4	68.7	17.9	59.2	58.4
3000			72.1	62.3	12.0	55.8	55.0	94.4	71.0	15.7	58.1	57.2	118.4	79.3	19.7	60.5	59.6
3500			77.4	69.6	12.9	56.6	55.6	101.4	79.0	16.9	59.1	58.1	127.2	88.1	21.2	61.7	60.6
2500	15.0	14.9	70.5	56.4	9.4	54.1	53.5	92.3	64.8	12.3	56.0	55.3	115.8	72.8	15.4	58.0	57.3
3000			78.2	64.7	10.4	55.0	54.2	102.3	74.0	13.6	57.2	56.3	128.4	83.0	17.1	59.4	58.5
3500			84.6	72.4	11.3	55.9	54.9	110.7	82.5	14.8	58.2	57.2	139.0	92.2	18.5	60.6	59.5

30AWH (6 ROW - QUARTER CIRCUIT) (45° EWT)																	
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
2500	8.0	6.7	64.2	54.9	16.1	54.7	54.4	84.1	62.7	21.0	56.8	56.5	105.5	70.2	26.4	59.0	58.7
3000			70.7	63.3	17.7	55.5	55.1	92.6	72.0	23.1	57.8	57.4	116.1	80.3	29.0	60.2	59.8
3500			75.9	71.2	19.0	56.2	55.8	99.4	80.6	24.9	58.7	58.3	124.7	89.7	31.2	61.3	60.8
2500	10.0	10.0	72.2	58.1	14.4	53.5	53.2	94.5	66.7	18.9	55.3	55.0	118.6	75.0	23.7	57.2	56.9
3000			80.2	67.0	16.0	54.3	54.0	105.0	76.7	21.0	56.3	56.0	131.7	85.6	26.3	58.6	58.2
3500			86.7	75.3	17.4	55.1	54.7	113.6	85.9	22.7	57.3	56.9	142.5	95.6	28.5	59.7	59.3
2500	12.0	13.9	78.0	60.4	13.0	52.6	52.3	102.2	69.7	17.0	54.2	53.9	128.2	78.2	21.4	56.0	55.7
3000			87.2	69.8	14.5	53.5	53.1	114.2	80.2	19.0	55.3	54.9	143.3	89.6	23.9	57.3	56.9
3500			95.0	78.6	15.8	54.2	53.8	124.3	90.0	20.7	56.2	55.8	156.0	100.3	26.0	58.5	58.0

40AWH (4 ROW - QUARTER CIRCUIT) (45° EWT)																	
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
3400	11.0	10.1	76.5	69.1	13.9	56.2	55.5	100.1	78.4	18.2	58.6	57.9	125.6	87.4	22.8	61.2	60.4
	13.0	13.6	83.0	71.6	12.8	55.5	54.8	108.7	81.6	16.7	57.8	57.0	136.4	91.2	21.0	60.2	59.4
	15.0	17.7	88.0	73.6	11.7	55.0	54.3	115.2	84.1	15.4	57.1	56.4	144.5	94.2	19.3	59.4	58.6
400	11.0	10.1	83.3	78.2	15.2	56.9	56.1	109.1	88.5	19.8	59.5	58.6	136.9	98.4	24.9	62.2	61.3
	13.0	13.6	90.8	81.1	14.0	56.2	55.4	118.9	92.1	18.3	58.7	57.8	149.3	102.7	23.0	61.2	60.3
	15.0	17.7	96.6	83.3	12.9	55.7	54.9	126.4	94.9	16.9	58.0	57.2	158.6	106.0	21.2	60.5	59.5
4600	11.0	10.1	88.7	86.6	16.1	57.8	56.6	116.2	97.7	21.1	60.3	59.3	145.8	108.4	26.5	63.2	62.1
	13.0	13.6	97.2	89.8	15.0	56.9	56.0	127.3	101.7	19.6	59.5	58.5	159.7	113.2	24.6	62.2	61.1
	15.0	17.7	103.7	92.3	13.8	56.4	55.5	135.8	104.9	18.1	58.9	57.9	170.4	116.9	22.7	61.5	60.4

40AWH (6 ROW - QUARTER CIRCUIT) (45° EWT)																	
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
3400	8.0	9.1	77.9	71.0	18.3	55.7	55.4	102.0	80.7	24.0	58.0	57.7	128.0	89.9	30.1	60.5	60.2
	10.0	12.2	86.5	74.4	17.3	54.7	54.4	113.3	84.9	22.7	56.9	56.6	142.2	93.4	28.4	59.6	59.2
	11.5	15.6	93.5	77.2	16.3	54.0	53.7	122.5	88.2	21.3	56.0	55.7	153.7	96.5	26.7	58.7	58.4
4000	8.0	9.1	85.5	81.0	20.1	56.2	55.9	111.9	91.7	26.3	58.8	58.4	140.4	99.7	33.0	61.9	61.5
	10.0	12.2	95.3	84.8	19.1	55.4	55.0	124.8	95.7	25.0	57.9	57.5	156.6	103.4	31.3	61.1	60.7
	11.5	15.6	103.4	88.0	18.0	54.6	54.3	135.4	98.7	23.5	57.1	56.8	169.8	107.3	29.5	60.2	59.8
4600	8.0	9.1	91.6	90.4	21.5	56.8	56.4	119.9	101.7	28.2	59.5	59.1	150.4	108.5	35.4	63.2	62.7
	10.0	12.2	102.5	94.6	20.5	56.0	55.6	134.2	105.2	26.8	58.8	58.4	168.4	112.8	33.7	62.3	61.8
	11.5	15.6	111.5	89.1	19.4	55.3	54.9	146.0	108.7	25.4	58.1	57.7	183.3	117.3	31.9	61.4	60.9

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

60AWH - 80AWH CHILLED WATER COOLING PERFORMANCE

60AWH (4 ROW - HALF CIRCUIT) (45° EWT)																			
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB						
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB		
5200 6000 6800	23.0	9.0	127.4 137.2 142.9	109.8 122.2 132.9	11.1 11.9 12.4	55.5 56.1 56.9	54.8 55.4 56.0	166.8 179.7 187.1	125.2 138.9 150.5	14.5 15.6 16.3	57.7 58.6 59.5	57.0 57.7 58.6	209.3 225.5 234.8	139.9 154.9 167.4	18.2 19.6 20.4	60.1 61.1 62.2	59.3 60.2 61.2		
5200 6000 6800			27.0	12.2	136.2 147.4 154.5	113.3 126.2 137.3	10.1 10.9 11.4	54.8 55.5 56.3	54.2 54.8 55.4	178.4 193.0 202.3	129.6 143.9 156.1	13.2 14.3 15.0	56.9 57.8 58.7	56.2 57.0 57.8	223.9 242.2 253.8	145.2 160.9 174.1	16.6 17.9 18.8	59.2 60.2 61.3	58.4 59.3 60.3
5200 6000 6800					31.0	15.8	143.2 155.5 163.7	116.0 129.3 140.9	9.2 10.0 10.6	54.3 55.1 55.8	53.7 54.3 54.9	187.6 203.6 214.3	133.1 147.9 160.6	12.1 13.1 13.8	56.3 57.2 58.1	55.6 56.3 57.2	235.4 255.5 268.9	149.5 165.8 179.5	15.2 16.5 17.4

60AWH (6 ROW - HALF CIRCUIT) (45° EWT)																			
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB						
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB		
5200 6000 6800	17.0	5.9	130.1 140.5 145.7	112.9 126.3 137.8	15.3 16.5 17.1	54.9 55.5 56.2	54.6 55.2 55.9	170.4 183.9 190.8	128.8 143.6 156.0	20.0 21.6 22.5	57.1 57.8 58.8	56.8 57.5 58.4	213.8 230.8 239.4	144.0 160.2 173.4	25.2 27.2 28.2	59.4 60.3 61.4	59.1 59.9 61.0		
5200 6000 6800			21.0	8.9	145.5 158.1 165.7	119.0 133.2 145.5	13.9 15.1 15.8	53.8 54.5 55.2	53.5 54.1 54.8	190.6 207.0 217.0	136.5 152.3 165.7	18.2 19.7 20.7	55.7 56.5 57.4	55.4 56.2 57.1	239.1 259.7 272.2	153.3 170.6 185.1	22.8 24.7 25.9	57.7 58.7 59.8	57.4 58.3 59.4
5200 6000 6800					25.0	12.4	157.5 171.9 181.5	123.8 138.7 151.6	12.6 13.8 14.5	53.0 53.6 54.4	52.7 53.3 54.0	206.3 225.1 237.6	142.6 159.2 173.5	16.5 18.0 19.0	54.6 55.4 56.4	54.3 55.1 56.0	258.8 282.4 298.2	160.7 179.1 194.5	20.7 22.6 23.9

80AWH (4 ROW - HALF CIRCUIT) (45° EWT)																	
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
6000	27.0	10.8	151.3	128.9	11.2	55.1	54.5	198.1	147.2	14.7	57.3	56.7	248.6	164.7	18.4	59.6	58.9
8000			171.3	158.4	12.7	56.7	55.9	224.3	179.5	16.6	59.2	58.4	281.5	199.7	20.9	61.9	61.0
10000			185.2	184.9	13.7	57.9	56.9	242.5	208.3	18.0	60.7	59.7	304.2	230.7	22.5	63.6	62.5
6000	32.0	14.8	162.6	133.4	10.2	54.4	53.8	212.8	152.8	13.3	56.4	55.8	267.1	171.5	16.7	58.5	57.9
8000			186.4	164.2	11.6	56.0	55.2	244.0	186.8	15.3	58.4	57.6	306.2	208.5	19.1	60.9	60.0
10000			203.4	191.8	12.7	57.2	56.3	266.4	217.0	16.6	59.9	58.9	334.2	241.0	20.9	62.7	61.6
6000	37.0	19.4	171.5	136.9	9.3	53.9	53.3	224.5	157.3	12.1	55.7	55.1	281.7	176.9	15.2	57.7	57.0
8000			198.4	168.9	10.7	55.5	54.7	259.8	192.7	14.0	57.7	56.9	326.0	215.6	17.6	60.1	59.2
10000			218.3	197.4	11.8	56.7	55.7	285.8	224.0	15.4	59.3	58.2	358.6	249.5	19.4	61.9	60.8

80AWH (6 ROW - HALF CIRCUIT) (45° EWT)																	
CFM	GPM	P.D. FT.	75 F DB / 63 F WB					80 F DB / 67 F WB					85 F DB / 71 F WB				
			TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	TEMP. RISE	LADB	LAWB
6000	22.0	8.2	161.7	135.1	14.7	54.2	53.9	211.8	154.6	19.3	56.2	55.9	265.7	173.3	24.2	58.3	57.9
8000			183.9	167.2	16.7	55.7	55.4	240.7	189.8	21.9	58.1	57.7	302.1	211.5	27.5	60.5	60.1
10000			200.1	196.9	18.2	56.8	56.4	262.0	222.2	23.8	59.4	59.0	328.8	246.5	29.9	62.2	61.7
6000	27.0	11.9	178.8	141.9	13.2	53.1	52.9	234.1	163.2	17.3	54.8	54.5	293.8	183.8	21.8	56.6	56.3
8000			206.7	176.0	15.3	54.6	54.3	270.6	201.0	20.1	56.7	56.4	339.6	225.0	25.2	59.5	58.6
10000			227.8	207.4	16.9	55.8	55.4	298.3	235.5	22.1	58.2	57.8	374.2	262.4	27.7	60.7	60.3
6000	32.0	16.2	192.2	147.2	12.0	52.3	52.0	251.6	170.1	15.7	53.8	53.8	315.7	192.3	19.7	55.3	55.0
8000			224.9	183.2	14.1	53.8	53.5	194.4	210.1	18.4	55.7	55.3	369.4	236.1	23.1	57.7	57.3
10000			250.2	216.1	15.6	55.0	54.6	327.6	246.5	20.5	57.2	56.8	411.1	275.6	25.7	59.5	59.0

8AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	600	23.7	15.6	50.9	49.1	29.8	17.9	52.4	50.5	36.0	19.9	54.3	52.3
	800	28.0	19.0	53.0	50.9	35.3	21.7	54.9	52.7	42.5	24.1	57.1	54.8
	1000	31.4	21.9	54.7	52.2	39.6	25.0	56.9	54.3	47.7	27.6	59.4	56.8
45	600	18.6	13.5	54.1	52.4	24.8	15.8	55.6	53.7	30.9	17.9	57.4	55.4
	800	22.0	16.6	55.8	53.7	29.6	19.3	57.6	55.4	36.5	21.7	59.8	57.5
	1000	24.6	19.3	57.2	54.7	32.8	22.3	59.3	56.7	40.9	25.1	61.8	59.1
50	600	13.1	11.3	57.5	55.7	19.2	13.7	58.8	57.0	25.3	15.8	60.6	58.6
	800	15.4	14.1	58.7	56.6	22.7	16.8	60.5	58.3	30.0	19.4	62.5	60.2
	1000	17.3	16.5	59.8	57.6	25.4	19.6	61.8	59.3	33.6	22.5	64.2	61.5

12AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1000	35.4	23.8	52.9	50.7	44.5	27.2	54.8	52.5	53.7	30.2	57.1	54.6
	1200	38.8	26.7	54.4	51.9	48.8	30.4	56.5	54.0	58.8	33.6	59.0	56.3
	1400	41.3	29.2	55.7	53.0	52.0	33.1	58.1	56.2	62.7	36.5	60.8	57.8
45	1000	27.8	20.8	55.8	53.4	37.0	24.2	57.6	55.3	46.1	27.3	59.7	57.8
	1200	30.4	23.4	56.9	54.5	40.4	27.2	59.0	56.4	50.5	30.5	61.4	58.7
	1400	32.3	25.7	58.0	55.3	43.1	29.7	60.3	57.4	53.8	33.3	63.0	59.9
50	1000	19.5	17.6	58.7	56.5	28.7	21.1	60.5	58.2	37.8	24.2	62.5	60.1
	1200	21.3	19.9	59.6	57.2	31.4	23.8	61.6	59.0	41.4	27.3	63.9	61.2
	1400	22.0	22.0	60.5	60.5	33.4	26.2	62.7	59.8	44.1	29.9	65.2	62.2

16AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1400	48.6	32.8	53.3	51.0	61.1	37.4	55.2	52.8	73.7	41.5	57.5	55.0
	1600	51.8	35.7	54.4	51.9	65.2	40.6	56.5	53.9	78.3	44.9	59.0	56.3
	1800	54.4	38.1	55.4	52.7	68.5	43.3	57.7	54.9	82.6	47.8	60.4	57.4
45	1400	38.1	28.6	56.1	53.8	50.7	33.3	57.9	55.5	63.2	37.5	60.2	57.6
	1600	40.6	31.2	56.9	54.5	54.0	36.3	59.0	56.4	67.4	40.7	61.4	58.7
	1800	42.6	33.5	57.8	55.1	56.7	38.8	60.0	57.2	70.8	43.5	62.6	59.6
50	1400	26.8	24.3	59.0	56.7	39.3	29.1	60.7	58.4	51.9	33.4	62.9	60.4
	1600	28.5	26.6	59.6	57.2	41.9	31.7	61.6	59.0	55.3	36.4	63.9	61.2
	1800	29.8	28.6	60.3	57.6	44.0	34.1	62.4	59.6	58.1	39.0	64.9	61.9

20AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1800	60.9	41.4	53.7	51.3	76.7	47.2	55.7	53.2	92.5	52.2	58.1	55.5
	2000	63.9	44.0	54.6	52.0	80.5	50.1	56.8	54.1	97.0	55.4	59.3	56.5
	2200	66.3	46.4	55.5	52.7	83.6	52.8	57.8	54.9	100.8	58.3	60.5	57.4
45	1800	47.8	36.1	56.4	54.0	63.6	42.0	58.4	55.8	79.4	47.3	60.7	58.0
	2000	50.1	38.6	57.1	54.6	66.7	44.8	59.2	56.6	83.8	50.3	61.7	58.8
	2200	52.0	40.8	57.8	55.1	69.2	47.3	60.1	57.2	86.5	53.0	62.7	59.6
50	1800	33.6	30.7	59.2	56.9	49.3	36.7	61.1	58.6	65.1	42.2	63.3	60.7
	2000	35.1	32.8	59.8	57.2	51.7	39.3	61.8	59.1	68.3	45.0	64.2	61.3
	2200	36.4	34.9	60.3	57.6	53.6	41.6	62.5	59.6	70.9	47.5	65.0	61.9

30AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LAB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	2500	90.4	60.9	52.4	50.5	113.7	69.6	54.2	52.2	137.0	77.2	56.4	54.2
	3000	99.9	68.9	53.7	51.5	125.7	78.4	55.8	53.5	151.6	86.8	58.2	55.8
	3500	107.8	75.9	54.9	52.5	135.7	86.2	57.2	54.6	163.7	95.2	59.8	57.1
45	2500	71.0	53.1	55.3	53.4	94.3	61.9	57.1	55.0	117.6	69.7	59.2	57.0
	3000	78.4	60.3	56.4	54.2	104.2	70.1	58.4	56.1	130.1	78.7	60.7	58.3
	3500	84.5	66.7	57.4	54.9	112.5	77.3	59.5	57.0	140.4	86.7	62.1	59.4
50	2500	49.8	44.9	58.4	56.4	73.2	53.9	60.0	58.0	96.5	62.1	62.0	59.9
	3000	55.0	51.3	59.2	57.0	80.8	61.3	61.1	58.7	106.7	70.4	63.3	60.9
	3500	59.2	57.1	59.9	57.5	87.1	68.0	62.0	59.4	115.1	77.8	64.4	61.7

40AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	3400	120.9	81.8	51.7	50.7	152.2	93.4	54.6	52.4	183.4	103.5	56.8	54.6
	4000	131.9	91.1	53.9	51.7	166.1	103.6	56.0	53.6	200.2	114.7	58.5	55.9
	4600	141.1	99.3	55.0	52.5	177.6	112.8	57.3	54.7	214.3	124.5	59.9	57.2
45	3400	95.0	71.3	55.6	53.6	126.2	83.1	57.4	55.2	157.4	93.6	59.5	57.3
	4000	103.5	79.7	56.5	54.3	137.7	92.6	58.6	56.2	171.8	104.1	60.9	58.4
	4600	110.6	87.3	57.4	55.0	147.2	101.1	59.6	57.0	183.8	113.4	62.2	59.4
50	3400	66.7	60.3	58.6	56.5	97.9	72.4	60.3	58.1	129.2	83.3	62.3	60.1
	4000	72.6	67.8	59.3	57.0	106.7	81.1	61.2	58.8	140.9	93.0	63.5	61.0
	4600	77.4	74.7	60.0	57.5	114.0	89.0	62.1	59.5	150.6	101.8	64.5	61.8

60AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	5200	186.5	125.6	52.6	50.6	234.6	143.4	54.5	52.3	282.7	159.1	56.7	62.3
	6000	201.3	138.0	53.7	51.5	253.3	157.2	55.8	53.4	305.4	174.1	58.1	63.3
	6800	213.8	149.2	54.7	52.3	269.3	169.6	56.9	54.4	324.7	187.5	59.5	64.2
45	5200	146.4	109.4	55.5	53.5	194.6	127.6	57.3	55.1	242.7	143.8	59.4	57.2
	6000	158.0	120.7	56.4	54.1	210.0	140.3	58.3	56.0	262.1	157.8	60.7	58.2
	6800	167.7	130.9	57.2	54.7	223.2	151.9	59.3	56.7	278.6	170.4	61.8	59.1
50	5200	102.9	92.5	58.5	56.5	151.0	111.1	60.2	58.1	199.1	127.8	62.3	60.0
	6000	110.8	102.5	59.2	57.0	162.9	122.7	61.1	58.7	215.0	140.8	63.3	60.8
	6800	117.5	111.8	59.8	57.4	172.9	133.3	61.8	59.3	228.4	152.7	64.2	61.5

80AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	6000	227.7	151.2	51.7	49.8	286.3	173.0	53.3	51.3	345.0	192.2	55.4	53.3
	8000	266.7	183.2	54.0	51.6	335.7	208.6	55.9	53.5	404.7	230.9	58.3	55.8
	10000	295.0	209.5	55.6	53.0	371.6	237.7	58.0	55.2	448.3	262.4	60.7	57.8
45	6000	178.9	131.2	54.8	52.8	237.5	153.4	56.3	54.3	296.2	173.2	58.3	56.2
	8000	209.3	160.2	56.5	54.2	278.3	186.3	58.5	56.1	347.3	209.4	60.8	58.3
	10000	231.2	184.5	58.0	55.3	307.9	213.5	60.3	57.5	384.5	239.2	62.9	59.9
50	6000	125.8	110.5	58.0	56.1	184.4	133.1	59.5	57.5	243.1	153.5	61.3	59.3
	8000	146.8	136.2	59.3	57.0	215.8	163.0	61.2	58.8	284.8	187.0	63.4	60.9
	10000	158.2	158.2	60.4	---	238.4	188.1	62.6	59.9	315.1	214.9	65.1	62.2

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

8AXH - 20AXH HORIZONTAL DX COOLING PERFORMANCE

R-22

(contact factory for R410a)

8AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	600	28.8	18.2	46.9	45.8	36.2	21.0	47.5	46.4	43.5	23.5	48.6	47.5
	800	35.1	22.7	48.7	47.4	44.0	26.1	49.8	48.5	53.0	29.1	51.3	49.9
	1000	40.1	26.6	50.3	48.9	50.4	30.5	51.7	50.3	60.7	33.9	53.6	52.0
45	600	22.6	15.6	50.9	49.8	30.0	18.4	51.5	50.4	37.4	21.0	52.6	51.4
	800	27.6	19.5	52.4	51.1	36.6	23.0	53.4	52.1	45.6	26.1	54.8	53.5
	1000	31.5	23.1	53.6	52.2	41.8	27.0	55.0	53.5	52.1	30.5	56.7	55.2
50	600	16.0	12.9	55.1	54.0	23.3	15.7	55.7	54.6	30.7	19.3	56.7	55.5
	800	19.4	16.3	56.1	54.9	28.4	19.8	57.1	55.8	37.4	22.9	58.4	57.1
	1000	22.2	19.4	57.0	55.6	32.5	23.4	58.3	56.8	48.0	26.1	60.8	59.4

12AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1000	44.1	28.4	48.6	47.3	55.4	32.7	49.7	48.3	66.8	36.5	51.1	49.7
	1200	49.1	32.3	50.0	48.6	61.7	37.1	51.4	49.8	74.4	41.3	53.1	51.6
	1400	53.1	35.8	51.3	49.8	66.8	40.9	52.9	51.3	80.5	45.4	55.0	53.3
45	1000	34.7	24.5	52.3	51.0	46.0	28.8	63.3	52.0	57.3	32.7	54.7	53.3
	1200	38.6	28.0	53.4	52.0	51.3	32.8	64.7	53.2	63.9	37.1	56.3	54.8
	1400	41.7	31.1	54.4	52.8	55.4	36.3	66.0	54.3	69.1	41.0	57.9	56.2
50	1000	24.4	20.4	56.1	54.8	35.8	24.8	67.0	55.7	47.1	27.8	58.4	57.0
	1200	27.2	23.4	56.9	55.4	39.8	28.4	68.1	56.6	52.4	32.8	59.7	58.1
	1400	29.3	26.2	57.6	56.0	43.0	31.6	69.1	57.5	56.7	36.4	60.9	59.2

16AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1400	60.9	39.4	48.9	47.6	76.5	45.3	50.0	48.6	92.1	50.5	51.6	50.1
	1600	65.7	43.2	50.0	48.5	82.6	49.6	51.3	49.8	99.5	55.2	53.1	51.5
	1800	69.8	46.6	51.0	49.3	87.8	53.4	52.5	50.9	105.7	59.3	54.5	52.8
45	1400	47.9	33.9	52.5	51.2	63.5	39.9	53.6	52.2	79.1	45.3	55.1	53.6
	1600	51.7	37.4	53.4	51.9	68.6	43.8	54.6	53.1	85.5	49.6	56.3	54.8
	1800	54.8	40.5	54.2	52.6	72.8	47.4	55.6	54.0	90.8	53.5	57.5	55.8
50	1400	33.7	28.3	56.3	54.9	49.4	34.4	57.3	55.9	65.0	39.8	58.7	57.2
	1600	36.4	31.3	56.9	55.4	53.3	37.9	58.1	56.6	70.2	43.8	59.6	58.1
	1800	38.6	34.1	57.4	55.9	56.5	41.1	58.8	57.2	74.5	47.4	60.6	58.9

20AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1800	77.3	50.2	49.2	47.8	97.2	57.7	50.3	48.9	117.0	64.0	51.9	50.4
	2000	81.9	53.8	50.1	48.6	103.0	61.7	51.4	49.9	124.0	68.7	53.2	51.6
	2200	85.8	57.2	40.9	49.4	80.7	65.4	52.4	50.8	130.0	72.7	54.4	52.7
45	1800	60.8	43.3	52.7	51.3	80.7	50.8	53.8	52.4	100.5	57.6	55.4	53.9
	2000	64.4	46.6	53.4	51.9	85.5	54.6	54.7	53.2	106.5	61.7	56.4	54.8
	2200	67.4	49.6	54.1	52.5	89.5	58.1	55.6	53.9	111.6	65.5	57.4	55.7
50	1800	42.9	36.1	56.4	55.0	62.7	43.8	57.5	56.0	82.6	50.7	58.9	57.4
	2000	45.3	39.0	56.9	55.4	66.4	47.2	58.2	56.6	87.4	54.5	59.7	58.1
	2200	47.5	41.8	57.4	55.8	69.5	50.3	58.8	57.2	91.6	58.1	60.6	58.8

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

**30AXH - 80AXH
HORIZONTAL DX
COOLING PERFORMANCE**

R-22

(contact factory for R410a)

30AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	2500	111.8	72.1	48.3	47.1	140.5	83.0	49.3	48.0	169.1	92.7	50.7	49.4
	3000	125.8	82.6	49.5	58.2	158.2	94.8	50.7	49.4	190.5	105.6	52.4	51.0
	3500	137.7	92.1	50.6	49.2	173.2	105.4	52.1	50.6	208.6	117.1	54.0	52.5
45	2500	88.0	62.0	52.0	50.8	116.6	73.0	52.9	51.7	145.3	82.9	54.3	53.0
	3000	98.9	71.3	53.0	51.7	131.3	83.7	54.2	52.8	163.6	94.8	55.7	54.3
	3500	108.3	79.9	53.9	52.4	143.7	93.4	55.3	53.8	179.2	105.5	57.1	55.5
50	2500	62.0	51.6	55.9	54.7	90.7	62.8	56.8	55.5	119.2	72.8	58.0	56.8
	3000	69.7	59.7	56.6	55.2	102.0	72.3	57.7	56.3	134.3	83.6	59.2	57.8
	3500	76.2	67.3	57.2	55.8	111.6	81.1	58.5	57.1	147.1	93.5	60.3	58.4

40AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	3400	149.8	96.9	48.6	47.4	188.2	111.5	49.6	48.4	226.6	124.5	51.1	49.8
	4000	166.0	109.2	49.7	48.4	208.7	125.3	51.0	49.6	251.3	139.5	52.7	51.3
	4600	179.9	120.4	50.8	49.3	226.1	137.7	52.3	50.8	272.4	153.1	54.2	52.6
45	3400	117.8	83.5	52.3	51.0	156.2	98.2	53.2	52.0	194.7	111.4	54.7	53.3
	4000	130.5	98.6	53.2	51.8	173.2	110.8	54.4	53.0	215.8	125.4	56.0	54.6
	4600	141.4	104.5	54.0	52.5	187.6	122.2	55.4	53.9	233.9	138.0	57.2	55.7
50	3400	83.1	69.6	56.1	54.8	121.5	84.5	57.0	55.7	159.9	98.0	58.3	57.0
	4000	91.9	79.1	56.7	55.3	134.6	95.7	57.8	56.4	177.2	110.7	59.4	57.9
	4600	99.4	88.1	57.3	55.8	145.7	106.1	58.6	57.1	192.0	122.4	60.4	58.8

60AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	5200	226.8	147.3	48.8	47.6	285.0	169.3	49.9	48.6	343.2	188.9	51.4	50.1
	6000	248.3	163.5	49.8	48.4	312.0	187.6	51.1	50.0	375.8	208.9	52.8	51.4
	6800	266.9	178.5	50.7	49.3	335.6	204.3	52.2	50.7	404.2	227.1	54.1	52.6
45	5200	178.4	126.9	52.4	51.2	236.6	149.2	53.4	52.2	294.8	169.2	54.9	53.6
	6000	195.2	141.5	53.2	51.8	259.0	165.8	54.4	53.0	322.8	187.7	56.1	54.6
	6800	209.8	155.0	53.9	52.5	278.4	181.2	55.3	53.9	347.1	204.6	57.2	56.0
50	5200	125.7	105.9	56.2	54.9	183.9	128.5	57.2	55.9	242.1	148.9	58.5	57.2
	6000	137.4	118.6	56.7	55.4	201.2	143.4	57.9	56.5	265.0	165.7	59.4	58.0
	6800	147.6	130.5	57.2	55.8	216.3	157.3	58.6	57.1	284.9	181.4	60.3	58.8

80AXH (6 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	6000	271.9	174.8	48.1	46.9	341.6	201.3	49.0	47.8	411.3	224.9	50.3	49.1
	8000	327.7	216.6	50.0	48.6	411.9	248.3	51.3	49.9	496.1	276.4	53.0	51.6
	10000	370.2	252.2	51.7	50.2	465.6	287.9	53.4	51.8	561.1	319.5	55.4	53.8
45	6000	213.9	150.3	51.8	50.7	283.6	287.9	52.7	51.5	353.3	201.0	54.0	52.8
	8000	257.6	187.5	53.3	52.0	341.8	219.7	54.6	53.2	426.1	248.5	56.3	54.8
	10000	290.8	219.8	54.7	53.2	386.3	256.3	56.3	54.7	481.7	288.8	58.3	56.6
50	6000	150.9	124.9	55.7	54.6	220.5	152.0	56.6	55.4	290.2	176.5	57.8	56.6
	8000	181.4	157.3	56.8	55.5	265.6	190.0	58.0	56.7	349.8	219.6	59.6	58.2
	10000	204.4	186.2	57.8	56.3	299.8	223.4	59.3	57.7	395.3	257.0	61.2	59.6

R410A

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

8AXH - 20AXH HORIZONTAL DX COOLING PERFORMANCE

8AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	600	23.7	15.6	50.3	48.8	29.4	17.8	52.1	50.5	35.4	20.0	53.9	52.2
	800	29.8	19.7	52.0	49.8	36.8	22.7	53.6	51.6	44.6	25.1	56.0	53.9
	1000	35.4	23.6	53.1	50.7	43.6	27.3	54.9	52.8	52.3	30.1	57.4	55.3
45	600	18.8	13.2	53.9	52.1	24.4	15.6	55.3	53.7	30.5	17.7	57.5	55.4
	800	23.7	17.1	54.9	52.9	30.7	19.7	57.0	54.6	38.5	22.8	58.6	56.8
	1000	28.0	20.6	55.8	53.5	36.5	23.7	58.1	55.6	45.3	26.7	60.5	57.7
50	600	13.3	10.8	57.5	55.5	18.9	13.2	58.9	57.0	25.1	15.3	60.9	58.1
	800	16.9	14.1	58.3	56.1	24.0	16.8	60.3	57.7	31.7	19.8	62.0	59.4
	1000	20.1	17.0	59.1	56.4	28.3	20.7	60.8	58.3	37.4	23.8	63.1	60.3

12AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1000	37.0	24.8	52.0	50.1	46.0	28.3	53.9	51.9	55.8	31.7	56.0	54.0
	1200	42.7	28.6	53.1	50.8	52.9	32.9	54.9	52.7	64.0	36.4	57.4	55.0
	1400	47.8	32.7	53.6	51.4	59.0	36.6	56.1	53.4	71.5	41.5	58.1	55.9
45	1000	29.2	21.1	55.3	53.2	38.2	24.3	57.5	55.0	47.6	28.0	59.3	56.7
	1200	33.6	24.3	56.3	53.7	43.8	28.7	58.1	55.6	54.6	33.0	59.9	57.5
	1400	37.7	27.9	56.8	54.1	49.0	31.9	59.2	56.1	61.1	36.8	61.1	58.3
50	1000	20.5	17.0	59.1	56.2	29.5	20.7	60.8	58.0	38.9	24.4	62.5	59.7
	1200	23.7	20.1	59.5	56.6	33.9	24.4	61.3	58.5	44.8	28.8	63.1	60.4
	1400	26.5	23.0	60.0	56.9	37.8	27.9	61.8	58.9	50.0	32.0	64.2	61.0

16AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1400	49.4	33.5	53.1	50.9	61.1	37.6	55.5	52.9	74.0	42.6	57.4	55.1
	1600	54.4	36.5	54.2	51.5	57.4	42.0	56.1	53.5	81.5	47.6	58.1	55.8
	1800	59.1	40.1	54.7	51.8	73.4	46.2	56.8	54.1	88.6	51.6	59.1	56.3
45	1400	38.4	28.6	56.3	53.8	50.2	33.6	58.1	55.7	63.1	37.7	60.5	57.8
	1600	42.6	31.2	57.2	54.3	55.6	36.6	59.2	56.3	69.4	42.2	61.1	58.3
	1800	46.3	34.3	57.4	54.7	60.2	40.3	59.7	56.6	75.6	46.3	61.8	58.9
50	1400	27.0	23.0	59.8	56.9	38.7	27.9	61.8	58.7	51.5	32.9	63.6	60.6
	1600	29.8	26.5	60.3	57.1	42.6	31.3	62.2	59.1	56.5	36.8	64.2	61.1
	1800	32.3	28.4	60.7	57.3	46.1	34.4	62.7	59.4	61.3	40.4	64.7	61.5

20AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	1800	63.3	42.3	53.1	51.1	77.9	48.7	55.5	53.1	94.2	54.4	57.7	55.5
	2000	68.1	45.9	54.2	51.5	84.1	52.8	56.1	53.6	101.0	59.0	58.4	55.9
	2200	72.6	49.3	54.7	51.8	89.8	56.7	56.8	54.1	107.7	63.2	59.1	56.4
45	1800	49.7	36.1	56.3	53.8	64.9	42.4	58.6	55.9	80.5	48.8	60.5	57.9
	2000	53.5	40.2	57.2	54.3	70.0	46.1	59.2	56.2	86.8	53.0	61.1	58.5
	2200	57.3	42.1	57.7	54.7	74.4	49.4	59.7	56.6	93.1	56.1	62.1	59.0
50	1800	35.3	29.9	59.7	56.9	50.3	36.2	61.8	58.8	66.0	42.6	63.6	60.6
	2000	38.0	33.4	60.2	57.1	54.2	39.3	62.2	59.1	71.4	46.2	64.2	61.1
	2200	40.6	35.9	60.7	57.3	57.7	42.2	62.7	59.4	75.9	49.6	64.7	61.4

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Product Specifications

Horizontal
Chilled Water / Hot Water / DX

30AXH - 80AXH HORIZONTAL DX COOLING PERFORMANCE

30AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	2500	95.8	63.7	52.0	50.0	117.0	73.2	53.6	51.6	141.6	80.8	56.0	53.9
	3000	109.8	73.0	53.1	50.7	134.2	83.9	54.9	52.6	161.0	93.6	57.0	54.9
	3500	122.3	83.3	53.6	51.3	149.3	93.2	56.1	53.4	178.4	105.3	58.1	55.8
45	2500	76.2	54.4	55.3	52.9	98.2	63.9	57.0	54.7	122.0	73.4	58.6	56.7
	3000	87.4	64.0	55.8	53.5	112.1	73.2	58.1	55.4	139.0	84.2	59.9	57.4
	3500	97.6	71.2	56.8	54.0	125.3	83.5	58.6	55.9	154.9	93.5	61.1	58.2
50	2500	54.6	46.3	58.3	56.1	76.8	54.6	60.3	57.7	100.9	64.1	62.0	59.5
	3000	63.0	53.1	59.1	56.4	88.0	64.2	60.8	58.2	114.7	73.5	63.1	60.1
	3500	70.1	59.2	59.9	56.7	98.3	71.4	61.8	58.8	128.1	83.8	63.6	60.7

40AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	3400	128.3	87.0	52.0	50.1	158.2	97.5	54.3	51.9	191.5	110.2	56.0	54.1
	4000	145.1	97.7	53.1	50.8	178.7	112.2	54.9	52.6	216.5	123.6	57.4	55.0
	4600	160.1	109.7	53.6	51.2	197.9	124.4	55.8	53.3	238.9	138.8	58.1	55.7
45	3400	101.4	72.7	55.8	53.2	131.8	85.2	57.5	55.0	164.0	97.9	59.3	56.8
	4000	114.6	83.6	56.3	53.7	148.4	98.0	58.1	55.7	185.0	112.6	59.9	57.5
	4600	126.9	93.9	56.8	54.1	163.9	110.1	58.6	56.0	205.5	123.2	61.1	58.3
50	3400	72.2	60.4	59.1	56.3	101.9	72.9	60.8	58.0	134.7	85.5	62.5	59.8
	4000	81.5	69.5	59.5	56.6	115.3	83.9	61.3	58.5	151.5	98.4	63.1	60.3
	4600	89.8	78.1	59.9	56.9	126.9	94.2	61.8	58.8	167.7	107.7	64.2	60.9

60AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	5200	195.7	133.6	52.0	50.2	240.4	149.7	54.3	52.3	285.0	167.1	56.3	54.4
	6000	216.4	147.1	53.1	50.7	264.5	166.7	55.2	52.9	315.7	186.0	57.4	55.4
	6800	235.7	162.7	53.6	51.4	286.8	182.0	56.1	53.6	342.6	200.3	58.8	56.2
45	5200	156.6	114.4	55.3	53.0	200.9	130.9	57.5	55.0	249.1	150.2	59.3	57.0
	6000	174.0	129.0	55.8	53.5	223.2	147.5	58.1	55.6	273.6	165.2	60.5	57.7
	6800	190.2	139.3	56.8	54.0	243.6	159.1	59.2	56.1	298.9	182.7	61.1	58.5
50	5200	115.0	95.1	58.7	56.1	158.5	114.7	60.3	57.8	206.9	131.3	62.5	59.7
	6000	127.3	107.3	59.1	56.4	176.1	129.4	60.8	58.3	229.0	148.1	63.1	60.3
	6800	139.0	118.9	59.5	56.6	192.6	139.8	61.8	58.8	249.0	159.7	64.2	60.8

80AXH (4 ROW DX COIL)													
SUCTION TEMP. F	CFM	75 F DB / 63 F WB				80 F DB / 67 F WB				85 F DB / 71 F WB			
		TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB	TOTAL MBH	SENSIBLE MBH	LADB	LAWB
40	6000	234.6	157.9	51.4	49.8	288.8	181.2	53.0	51.3	346.3	202.4	54.9	53.2
	8000	292.4	196.5	53.1	50.7	359.9	225.4	54.9	52.8	429.9	251.4	57.0	54.9
	10000	340.5	233.8	54.2	51.5	418.9	261.3	56.8	53.9	501.4	295.1	58.8	56.2
45	6000	187.3	135.2	54.9	52.7	240.3	158.4	56.4	54.4	300.3	177.7	58.6	56.4
	8000	232.7	168.2	56.3	53.6	299.1	197.1	58.1	55.5	370.9	226.2	59.9	57.5
	10000	272.0	200.2	57.2	54.3	349.9	234.5	59.2	56.3	432.4	262.2	61.8	58.7
50	6000	134.8	112.5	58.3	56.0	188.9	135.6	59.9	57.5	247.6	159.0	61.4	59.3
	8000	167.1	143.5	59.1	56.4	233.4	168.8	61.3	58.3	305.9	197.8	63.1	60.2
	10000	195.7	171.0	59.9	56.9	274.0	200.9	62.2	59.1	356.1	235.3	64.2	61.1

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

HEATING PERFORMANCE

8AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
600	3.0	1.2	26.1	17.4	110.4
800			29.4	19.6	104.1
1000			32.4	21.6	100.1
600	5.0	3.3	28.1	11.2	113.5
800			31.9	12.8	107.1
1000			35.5	14.2	103.0
600	8.0	8.0	29.3	7.3	115.4
800			33.6	8.4	109.0
1000			37.5	9.4	104.8

8AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
600	3.5	1.2	41.3	23.6	133.9
800			49.4	28.3	127.3
1000			56.5	32.3	122.4
600	6.5	3.9	44.6	13.7	139.1
800			54.0	16.6	132.6
1000			62.2	19.1	127.7
600	9.5	8.2	46.5	9.8	141.9
800			56.5	11.9	135.5
1000			65.2	13.7	130.5

12AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
1000	4.0	2.1	36.5	18.3	103.9
1200			39.8	19.9	100.8
1400			42.7	21.4	98.3
1000	7.0	6.2	39.6	11.3	106.8
1200			43.3	12.4	103.5
1400			46.7	13.4	101.0
1000	10.0	12.4	40.8	8.2	107.8
1200			44.6	8.9	104.5
1400			48.2	9.6	102.0

12AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
1000	5.0	2.6	62.7	25.1	128.2
1200			70.0	28.0	124.1
1400			76.3	30.5	120.6
1000	7.5	5.8	66.5	17.7	131.7
1200			74.5	19.9	127.6
1400			81.4	21.7	123.9
1000	10.0	10.3	68.8	13.8	133.9
1200			77.2	15.4	129.7
1400			84.5	16.9	126.0

16AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
1400	4.0	1.7	47.5	23.7	101.5
1600			50.0	25.0	99.0
1800			52.8	26.4	97.2
1400	7.5	5.7	53.0	14.1	105.1
1600			56.3	15.0	102.7
1800			59.6	15.9	100.7
1400	11.0	11.6	55.2	10.0	106.6
1600			58.8	10.7	104.1
1800			62.4	11.3	102.2

16AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
1400	6.0	3.4	85.8	28.6	126.9
1600			92.6	30.9	123.7
1800			99.1	33.0	121.1
1400	9.0	7.5	91.3	20.3	130.5
1600			98.9	22.0	127.3
1800			105.9	23.5	124.6
1400	12.0	13.3	94.6	15.8	132.7
1600			102.7	17.1	129.6
1800			110.1	18.4	126.8

20AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
1800	5.0	3.1	59.6	23.9	100.7
2000			62.2	24.9	98.8
2200			65.0	26.0	97.4
1800	8.0	7.3	64.9	16.2	103.5
2000			68.0	17.0	101.6
2200			71.3	17.8	100.1
1800	11.0	13.1	67.4	12.3	104.7
2000			70.9	12.9	102.9
2200			74.3	13.5	101.3

20AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
1800	6.5	4.2	106.3	32.7	124.8
2000			112.5	34.6	122.2
2200			118.8	36.6	120.1
1800	9.5	9.0	113.3	23.8	128.4
2000			120.3	25.3	125.8
2200			127.1	26.8	123.6
1800	12.5	15.6	117.5	18.8	130.6
2000			125.1	20.0	128.0
2200			132.3	21.2	125.8

Product Specifications

Horizontal
Chilled Water / Hot Water / DX

HEATING PERFORMANCE

30AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
2500	9.0	2.4	93.1	20.7	104.5
3000			101.1	22.5	101.3
3500			108.4	24.1	98.7
2500	12.0	4.1	97.7	16.3	106.3
3000			106.4	17.7	102.9
3500			114.4	19.1	100.3
2500	15.0	6.1	100.5	13.4	107.3
3000			109.7	14.6	103.9
3500			118.1	15.8	101.3

40AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
3400	8.0	2.5	116.4	29.1	101.8
4000			109.5	31.3	99.0
4600			132.9	33.2	96.8
3400	11.0	4.4	125.0	22.7	104.1
4000			134.6	24.5	101.2
4600			143.3	26.1	98.9
3400	14.0	6.9	130.3	18.6	105.5
4000			140.5	20.1	102.6
4600			149.9	21.4	100.2

60AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
5200	11.0	3.5	177.8	32.3	101.7
6000			189.6	34.5	99.3
6800			197.8	36.0	97.0
5200	15.0	6.3	191.4	25.5	104.1
6000			204.2	27.2	101.6
6800			214.2	28.6	99.2
5200	19.0	9.7	199.9	21.0	105.78
6000			213.6	22.5	103.0
6800			224.8	23.7	100.7

80AWH (1 ROW COIL) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
6000	14.0	3.8	221.4	31.6	104.2
8000			247.6	35.4	98.7
10000			270.1	38.6	95.1
6000	18.0	6.2	234.6	26.1	106.3
8000			264.0	29.3	100.6
10000			289.3	32.1	96.8
6000	22.0	9.1	243.8	22.2	107.7
8000			275.6	25.1	102.0
10000			303.2	27.6	98.1

30AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
2500	12.5	2.0	161.5	25.8	129.9
3000			180.6	28.9	125.9
3500			197.3	31.6	122.3
2500	17.0	3.6	169.0	19.9	132.7
3000			189.5	22.3	128.6
3500			207.5	24.4	125.0
2500	21.5	5.7	174.1	16.2	134.6
3000			195.5	18.2	130.4
3500			214.3	19.9	126.8

40AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
3400	12.0	2.2	209.3	34.9	127.1
4000			230.1	38.5	123.5
4600			249.5	41.6	120.3
3400	16.0	3.9	220.5	27.6	130.2
4000			243.6	30.5	126.5
4600			264.0	33.0	123.2
3400	20.0	6.0	228.2	22.8	132.3
4000			252.5	25.3	128.6
4600			274.0	27.4	125.2

60AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
5200	12.0	2.2	297.3	49.6	123.0
6000			324.1	54.0	120.1
6800			343.7	57.3	116.9
5200	17.0	4.3	321.7	37.9	127.4
6000			351.1	41.3	124.3
6800			374.5	44.1	121.1
5200	22.0	7.0	337.9	30.7	130.3
6000			369.3	33.6	127.1
6800			395.4	35.9	123.9

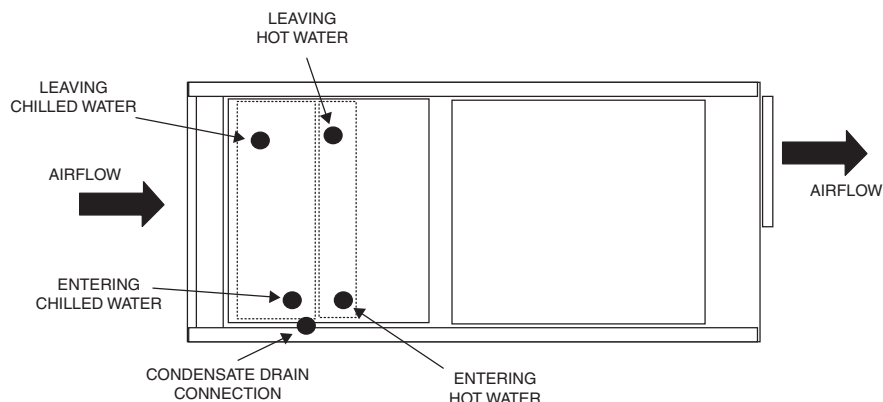
80AWH (2 ROW COIL - HALF CIRCUIT) (180° EWT)					
CFM	GPM	P.D. FT.	ENTERING AIR - 70°F DB		
			TOTAL MBH	TEMP. RISE	LADB
6000	15.0	3.2	360.6	48.1	125.8
8000			423.7	56.5	119.1
10000			473.4	63.1	113.9
6000	20.0	5.4	384.0	38.4	129.4
8000			454.1	45.4	122.7
10000			510.2	51.0	117.3
6000	25.0	8.1	400.6	32.1	131.9
8000			476.2	38.1	125.2
10000			537.2	43.0	119.8

Product Specifications

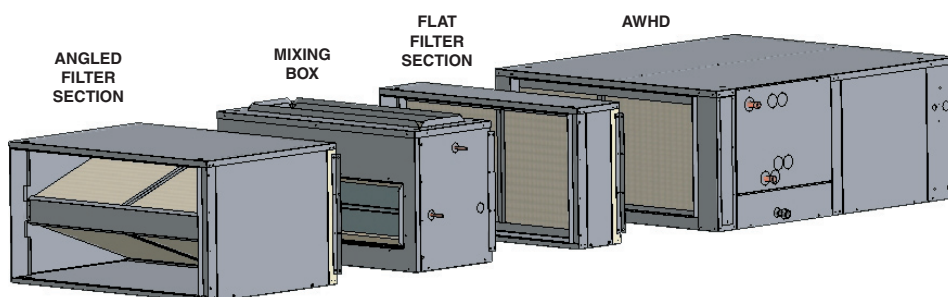
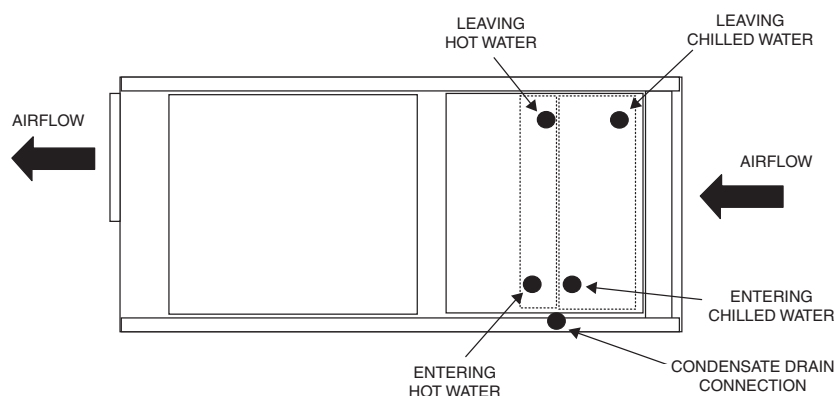
Horizontal
Chilled Water / Hot Water / DX

CONNECTIONS & SERVICE CLEARANCE

**HORIZONTAL RIGHT
HAND COIL
CONNECTIONS**



**HORIZONTAL LEFT
HAND COIL
CONNECTIONS**



***MINIMUM SIDE SERVICE CLEARANCES (Same for LH or RH units)**

UNIT MODEL	MOTOR	BLOWER	FILTER SECTION	COIL	MOTOR CONTROL BOX	MIXING BOX	CABINET	
			FLAT OR ANGLED	ALL ROWS			TOP	BOTTOM
8AWHD	36.0"	36.0"	36.0"	36.0"	36.0"	36.0"	Allow extra space for spring isolators if applicable	If mounting unit on a plat- form, leave space for condensate trap
12AWHD	42.0"	42.0"	42.0"	42.0"	42.0"	42.0"		
16AWHD	48.0"	48.0"	48.0"	48.0"	48.0"	48.0"		
20AWHD	52.0"	52.0"	52.0"	52.0"	52.0"	52.0"		
30AWHD	52.0"	52.0"	52.0"	52.0"	52.0"	52.0"		
40AWHD	54.0"	54.0"	54.0"	54.0"	54.0"	54.0"		
60AWHD	64.0"	64.0"	64.0"	64.0"	64.0"	64.0"		
80AWHD	64.0"	64.0"	64.0"	64.0"	64.0"	64.0"		

NOTES:

* Minimum service clearances only allow for removal of largest unit component, it does not allow extra space for service access or local code requirements.

Blower and motor access panels are on both sides of cabinet

Filter access is from either side of cabinet

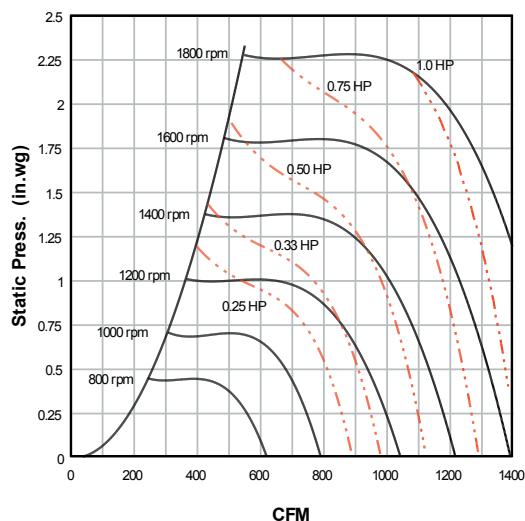
2 Ton (08) Horizontal Belt Drive Information

HP	Voltage	Blower RPM	Motor / Drive Kit Number
1/4	115-1-60	825 - 1065	9MD08-A1
1/4	115 / 208 - 2301-60	825 - 1065	9MD08-A2
1/4	277-1-60	825 - 1065	9MD08-A3
1/4	115-1-60	955 - 1240	9MD08-A6
1/4	115 / 208 - 230-1-60	955 - 1240	9MD08-A7
1/4	277-1-60	955 - 1240	9MD08-A8
1/3	115-1-60	825 - 1065	9MD08-B1
1/3	115 / 208- 230-1-60	825 - 1065	9MD08-B2
1/3	277-1-60	825 - 1065	9MD08-B3
1/3	208 - 230 / 460-3-60	825 - 1065	9MD08-B4
1/3	575-3-60	825 - 1065	9MD08-B5
1/3	115-1-60	955 - 1240	9MD08-B6
1/3	115 / 208- 230-1-60	955 - 1240	9MD08-B7
1/3	277-1-60	955 - 1240	9MD08-B8
1/3	208 - 230 / 460-3-60	955 - 1240	9MD08-B9
1/3	575-3-60	955 - 1240	9MD08-B10
1/3	115-1-60	1020 - 1330	9MD08-B11
1/3	115 / 208- 230-1-60	1020 - 1330	9MD08-B12
1/3	277-1-60	1020 - 1330	9MD08-B13
1/3	208 - 230 / 460-3-60	1020 - 1330	9MD08-B14
1/3	575-3-60	1020 - 1330	9MD08-B15

2 Ton (08) Horizontal Belt Drive Information

HP	Voltage	Blower RPM	Motor / Drive Kit Number
1/2	115-1-60	1020 - 1330	9MD08-C1
1/2	115 / 208- 230-1-60	1020 - 1330	9MD08-C2
1/2	277-1-60	1020 - 1330	9MD08-C3
1/2	208 - 230 / 460-3-60	1020 - 1330	9MD08-C4
1/2	575-3-60	1020 - 1330	9MD08-C5
1/2	115-1-60	1165 - 1520	9MD08-C6
1/2	115 / 208- 230-1-60	1165 - 1520	9MD08-C7
1/2	277-1-60	1165 - 1520	9MD08-C8
1/2	208 - 230 / 460-3-60	1165 - 1520	9MD08-C9
1/2	575-3-60	1165 - 1520	9MD08-C10
3/4	115 / 208- 230-1-60	1165 - 1520	9MD08-D2
3/4	277-1-60	1165 - 1520	9MD08-D3
3/4	208 - 230 / 460-3-60	1165 - 1520	9MD08-D4
3/4	575-3-60	1165 - 1520	9MD08-D5
3/4	115 / 208- 230-1-60	1310 - 1710	9MD08-D7
3/4	277-1-60	1310 - 1710	9MD08-D8
3/4	208 - 230 / 460-3-60	1310 - 1710	9MD08-D9
3/4	575-3-60	1310 - 1710	9MD08-D10
1	115 / 208- 230-1-60	1310 - 1710	9MD08-E2
1	277-1-60	1310 - 1710	9MD08-E3
1	208 - 230 / 460-3-60	1310 - 1710	9MD08-E4
1	575-3-60	1310 - 1710	9MD08-E5

Size 08 Blower Curve



8AWH/8AXH													
Componet Static Pressure (Inches of Water)													
CFM	CABINET	Chilled Water Coil				Hot Water Coil	DX Coil		Filter Sections				Mixing Box
		Dry Coil		Wet Coil		Dry Coil	Dry Coil	Wet Coil	2" Flat	4" Flat	2" Angled	4" Angled	
		4 Row	6 Row	4 Row	6 Row				Merv 7	Merv 7	Merv 7	Merv 7	
600	0.06	0.14	0.18	0.20	0.26	0.05	0.20	0.29	0.09	0.06	0.05		.10
700	0.08	0.16	0.22	0.23	0.31	0.07	0.25	0.36	0.12	0.08	0.06		.13
800	0.10	0.19	0.26	0.27	0.37	0.09	0.28	0.40	0.15	0.10	0.08	NA	.16
900	0.12	0.22	0.30	0.31	0.43	0.11	0.31	0.44	0.18	0.12	0.10		.20
1000	0.15	0.25	0.34	0.36	0.49	0.13	0.35	0.50	0.21	0.15	0.12		.24

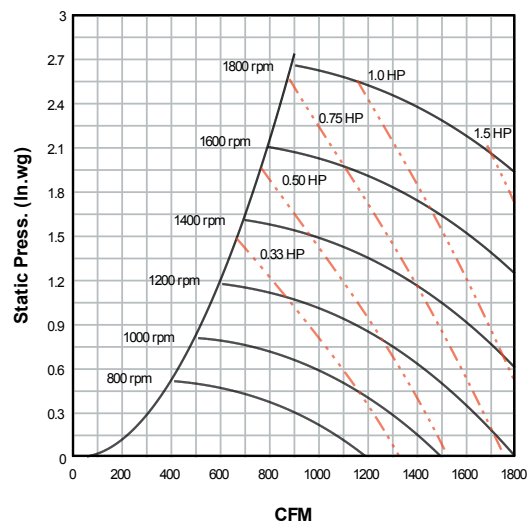
2 TON FAN PERFORMANCE (AWH / AWX)

Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																			
		0.6		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
08	600	986	0.3	1044	0.3	1103	0.3	1161	0.4	1220	0.4	1333	0.5	1439	0.5	1538	0.6	1629	0.7	---	---
	700	1042	0.3	1087	0.3	1134	0.4	1183	0.4	1232	0.4	1333	0.5	1434	0.6	1531	0.6	1624	0.7	---	---
	800	1117	0.4	1153	0.4	1191	0.4	1230	0.4	1271	0.5	1356	0.5	1443	0.6	1531	0.7	1619	0.8	---	---
	900	1204	0.5	1234	0.5	1265	0.5	1298	0.5	1331	0.5	1401	0.6	1475	0.7	1551	0.7	1629	0.8	---	---
	1000	1298	0.6	1324	0.6	1351	0.6	1378	0.6	1406	0.6	1465	0.7	1527	0.7	1592	0.8	1659	0.9	---	---

3 Ton (12) Horizontal Belt Drive Information			
HP	Voltage	Blower RPM	Motor / Drive Kit Number
1/3	115-1-60	695 - 890	9MD12-B1
1/3	115 / 208- 230-1-60	695 - 890	9MD12-B2
1/3	277-1-60	695 - 890	9MD12-B3
1/3	208 - 230 / 460-3-60	695 - 890	9MD12-B4
1/3	575-3-60	695 - 890	9MD12-B5
1/3	115-1-60	825 - 1065	9MD12-B6
1/3	115 / 208- 230-1-60	825 - 1065	9MD12-B7
1/3	277-1-60	825 - 1065	9MD12-B8
1/3	208 - 230 / 460-3-60	825 - 1065	9MD12-B9
1/3	575-3-60	825 - 1065	9MD12-B10
1/3	115-1-60	955 - 1240	9MD12-B11
1/3	115 / 208- 230-1-60	955 - 1240	9MD12-B12
1/3	277-1-60	955 - 1240	9MD12-B13
1/3	208 - 230 / 460-3-60	955 - 1240	9MD12-B14
1/3	575-3-60	955 - 1240	9MD12-B15
1/2	115-1-60	695 - 890	9MD12-C1
1/2	115 / 208- 230-1-60	695 - 890	9MD12-C2
1/2	277-1-60	695 - 890	9MD12-C3
1/2	208 - 230 / 460-3-60	695 - 890	9MD12-C4
1/2	575-3-60	695 - 890	9MD12-C5
1/2	115-1-60	825 - 1065	9MD12-C6
1/2	115 / 208- 230-1-60	825 - 1065	9MD12-C7
1/2	277-1-60	825 - 1065	9MD12-C8
1/2	208 - 230 / 460-3-60	825 - 1065	9MD12-C9
1/2	575-3-60	825 - 1065	9MD12-C10
1/2	115-1-60	955 - 1240	9MD12-C11
1/2	115 / 208- 230-1-60	955 - 1240	9MD12-C12
1/2	277-1-60	955 - 1240	9MD12-C13
1/2	208 - 230 / 460-3-60	955 - 1240	9MD12-C14
1/2	575-3-60	955 - 1240	9MD12-C15
1/2	115-1-60	1165 - 1520	9MD12-C16
1/2	115 / 208- 230-1-60	1165 - 1520	9MD12-C17
1/2	277-1-60	1165 - 1520	9MD12-C18
1/2	208 - 230 / 460-3-60	1165 - 1520	9MD12-C19
1/2	575-3-60	1165 - 1520	9MD12-C20

3 Ton (12) Horizontal Belt Drive Information			
HP	Voltage	Blower RPM	Motor / Drive Kit Number
3/4	115 / 208- 230-1-60	825 - 1065	9MD12-D2
3/4	277-1-60	825 - 1065	9MD12-D3
3/4	208 - 230 / 460-3-60	825 - 1065	9MD12-D4
3/4	575-3-60	825 - 1065	9MD12-D5
3/4	115 / 208- 230-1-60	955 - 1240	9MD12-D7
3/4	277-1-60	955 - 1240	9MD12-D8
3/4	208 - 230 / 460-3-60	955 - 1240	9MD12-D9
3/4	575-3-60	955 - 1240	9MD12-D10
3/4	115 / 208- 230-1-60	1165 - 1520	9MD12-D12
3/4	277-1-60	1165 - 1520	9MD12-D13
3/4	208 - 230 / 460-3-60	1165 - 1520	9MD12-D14
3/4	575-3-60	1165 - 1520	9MD12-D15
3/4	115 / 208- 230-1-60	1235 - 1610	9MD12-D17
3/4	277-1-60	1235 - 1610	9MD12-D18
3/4	208 - 230 / 460-3-60	1235 - 1610	9MD12-D19
3/4	575-3-60	1235 - 1610	9MD12-D20
1	115 / 208- 230-1-60	1075 - 1400	9MD12-E2
1	277-1-60	1075 - 1400	9MD12-E3
1	208 - 230 / 460-3-60	1075 - 1400	9MD12-E4
1	575-3-60	1075 - 1400	9MD12-E5
1	115 / 208- 230-1-60	1310 - 1710	9MD12-E7
1	277-1-60	1310 - 1710	9MD12-E8
1	208 - 230 / 460-3-60	1310 - 1710	9MD12-E9
1	575-3-60	1310 - 1710	9MD12-E10
1-1/2	115 / 208- 230-1-60	1310 - 1710	9MD12-F2
1-1/2	277-1-60	1310 - 1710	9MD12-F3
1-1/2	208 - 230 / 460-3-60	1310 - 1710	9MD12-F4
1-1/2	575-3-60	1310 - 1710	9MD12-F5

Size 12 Blower Curve



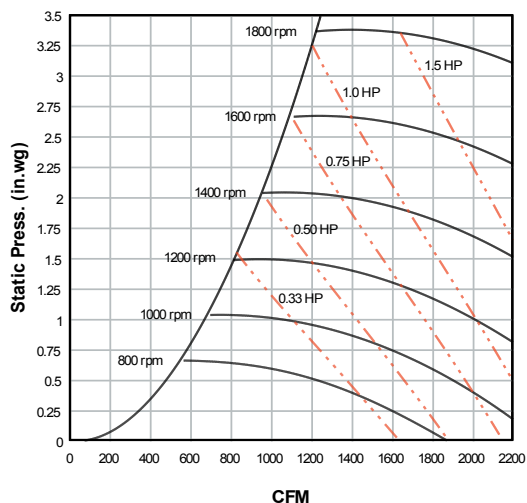
12AWH/12AXH													
Componet Static Pressure (Inches of Water)													
CFM	CABINET	Chilled Water Coil				Hot Water Coil		DX Coil		Filter Sections			
		Dry Coil		Wet Coil		Dry Coil		Dry Coil		2" Flat		2" Angled	
		4 Row	6 Row	4 Row	6 Row	*1-2 Row	4 row	Merv 7	Merv 7	Merv 7	Merv 7	Merv 7	Merv 7
		0.15	0.24	0.21	0.34	0.11	0.17	0.24	0.009	0.06	0.05	NA	
1000	0.15	0.15	0.24	0.21	0.34	0.11	0.17	0.24	0.009	0.06	0.05	NA	
1100	0.18	0.17	0.26	0.24	0.37	0.13	0.20	0.29	0.12	0.08	0.06	NA	
1200	0.22	0.20	0.29	0.29	0.41	0.15	0.23	0.33	0.15	0.10	0.08	NA	
1300	0.25	0.23	0.31	0.33	0.44	0.17	0.27	0.39	0.18	0.12	0.10	NA	
1400	0.29	0.26	0.35	0.37	0.50	0.19	0.31	0.44	0.21	0.15	0.12	NA	

3 TON FAN PERFORMANCE (AWH / AWX)																					
Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																			
		0.6		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12	1000	1028	0.4	1077	0.4	1125	0.4	1171	0.5	1215	0.50	1301	0.6	1383	0.6	1461	0.7	1536	0.7	---	---
	1100	1068	0.5	1114	0.5	1159	0.5	1203	0.5	1246	0.6	1329	0.6	1408	0.7	1483	0.7	1556	0.8	---	---
	1200	1111	0.5	1155	0.5	1198	0.6	1239	0.6	1280	0.6	1360	0.7	1436	0.8	1509	0.8	1579	0.9	---	---
	1300	1157	0.6	1198	0.6	1239	0.7	1279	0.7	1318	0.7	1394	0.8	1467	0.9	1537	0.9	1606	1	---	---
	1400	1205	0.7	1244	0.7	1283	0.8	1321	0.8	1358	0.8	1431	0.9	1501	1.0	1569	1.0	1635	1.1	---	---

4 Ton (16) Horizontal Belt Drive Information			
HP	Voltage	Blower RPM	Motor / Drive Kit Number
1/3	115-1-60	695 - 890	9MD16-B1
1/3	115 / 208 - 230-1-60	695 - 890	9MD16-B2
1/3	277-1-60	695 - 890	9MD16-B3
1/3	208 - 230 / 460-3-60	695 - 890	9MD16-B4
1/3	575-3-60	695 - 890	9MD16-B5
1/2	115-1-60	695 - 890	9MD16-C1
1/2	115 / 208 - 230-1-60	695 - 890	9MD16-C2
1/2	277-1-60	695 - 890	9MD16-C3
1/2	208 - 230 / 460-3-60	695 - 890	9MD16-C4
1/2	575-3-60	695 - 890	9MD16-C5
1/2	115-1-60	825 - 1065	9MD16-C6
1/2	115 / 208 - 230-1-60	825 - 1065	9MD16-C7
1/2	277-1-60	825 - 1065	9MD16-C8
1/2	208 - 230 / 460-3-60	825 - 1065	9MD16-C9
1/2	575-3-60	825 - 1065	9MD16-C10
1/2	115-1-60	955 - 1240	9MD16-C11
1/2	115 / 208 - 230-1-60	955 - 1240	9MD16-C12
1/2	277-1-60	955 - 1240	9MD16-C13
1/2	208 - 230 / 460-3-60	955 - 1240	9MD16-C14
1/2	575-3-60	955 - 1240	9MD16-C15
3/4	115 / 208 - 230-1-60	695 - 890	9MD16-D2
3/4	277-1-60	695 - 890	9MD16-D3
3/4	208 - 230 / 460-3-60	695 - 890	9MD16-D4
3/4	575-3-60	695 - 890	9MD16-D5
3/4	115 / 208 - 230-1-60	825 - 1065	9MD16-D7
3/4	277-1-60	825 - 1065	9MD16-D8
3/4	208 - 230 / 460-3-60	825 - 1065	9MD16-D9
3/4	575-3-60	825 - 1065	9MD16-D10

4 Ton (16) Horizontal Belt Drive Information			
HP	Voltage	Blower RPM	Motor / Drive Kit Number
3/4	115 / 208 - 230-1-60	955 - 1240	9MD16-D12
3/4	277-1-60	955 - 1240	9MD16-D13
3/4	208 - 230 / 460-3-60	955 - 1240	9MD16-D14
3/4	575-3-60	955 - 1240	9MD16-D15
3/4	115 / 208 - 230-1-60	1075 - 1400	9MD16-D17
3/4	277-1-60	1075 - 1400	9MD16-D18
3/4	208 - 230 / 460-3-60	1075 - 1400	9MD16-D19
3/4	575-3-60	1075 - 1400	9MD16-D20
1	115 / 208 - 230-1-60	825 - 1065	9MD16-E2
1	277-1-60	825 - 1065	9MD16-E3
1	208 - 230 / 460-3-60	825 - 1065	9MD16-E4
1	575-3-60	825 - 1065	9MD16-E5
1	115 / 208 - 230-1-60	955 - 1240	9MD16-E7
1	277-1-60	955 - 1240	9MD16-E8
1	208 - 230 / 460-3-60	955 - 1240	9MD16-E9
1	575-3-60	955 - 1240	9MD16-E10
1	115 / 208 - 230-1-60	1075 - 1400	9MD16-E12
1	277-1-60	1075 - 1400	9MD16-E13
1	208 - 230 / 460-3-60	1075 - 1400	9MD16-E14
1	575-3-60	1075 - 1400	9MD16-E15
1	115 / 208 - 230-1-60	1235 - 1610	9MD16-E17
1	277-1-60	1235 - 1610	9MD16-E18
1	208 - 230 / 460-3-60	1235 - 1610	9MD16-E19
1	575-3-60	1235 - 1610	9MD16-E20
1-1/2	115 / 208 - 230-1-60	1235 - 1610	9MD16-F2
1-1/2	277-1-60	1235 - 1610	9MD16-F3
1-1/2	208 - 230 / 460-3-60	1235 - 1610	9MD16-F4
1-1/2	575-3-60	1340 - 1620	9MD16-F5

Size 16 Blower Curve



16AWH/16AXH													
Componet Static Pressure (Inches of Water)													
CFM	CABINET	Chilled Water Coil				Hot Water Coil	DX Coil		Filter Sections				Mixing Box
		Dry Coil		Wet Coil		Dry Coil	Dry Coil	Wet Coil	2" Flat	4" Flat	2" Angled	4" Angled	
		4 Row	6 Row	4 Row	6 Row	*1-2 Row	4 row		Merv 7	Merv 7	Merv 7	Merv 7	
1200	0.12	0.17	0.22	0.24	0.31	0.10	0.21	0.30	0.10	0.08	0.04	0.08	.12
1400	0.16	0.21	0.26	0.30	0.37	0.13	0.25	0.36	0.14	0.10	0.06	0.10	.16
1600	0.20	0.25	0.31	0.36	0.44	0.16	0.29	0.41	0.18	0.13	0.08	0.12	.21
1800	0.24	0.29	0.36	0.41	0.51	0.19	0.33	0.47	0.22	0.17	0.10	0.15	.27
2000	0.28	0.33	0.41	0.47	0.59	0.22	0.38	0.54	0.27	0.21	0.12	0.19	.33

4 TON FAN PERFORMANCE (AWH / AWX)																													
Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																											
		0.6		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0		2.25		2.5		2.75		3.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16	1400	907	0.5	949	0.5	990	0.5	1030	0.6	1069	0.6	1144	0.7	1216	0.7	1285	0.8	1352	0.9	1416	0.9	1493	1.0	1568	1.1	---	---	---	---
	1500	933	0.5	974	0.6	1013	0.6	1051	0.6	1089	0.7	1161	0.7	1231	0.8	1298	0.9	1363	1.0	1426	1.0	1501	1.1	1575	1.2	---	---	---	---
	1600	961	0.6	1000	0.6	1037	0.7	1074	0.7	1110	0.7	1180	0.8	1248	0.9	1313	1.0	1376	1.0	1437	1.1	1512	1.2	1583	1.3	---	---	---	---
	1700	990	0.7	1027	0.7	1063	0.8	1099	0.8	1134	0.8	1201	0.9	1267	1.0	1330	1.0	1391	1.1	1451	1.2	1524	1.3	1593	1.4	---	---	---	---
	1800	1020	0.8	1055	0.8	1090	0.8	1125	0.9	1158	0.9	1224	1.0	1287	1.1	1349	1.1	1408	1.2	1466	1.3	1538	1.4	1607	1.5	---	---	---	---

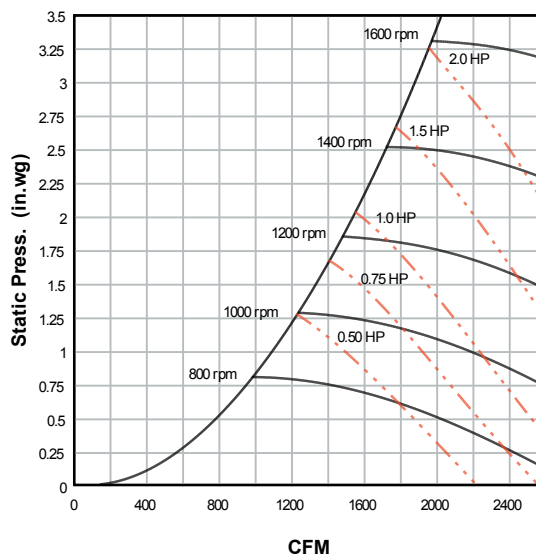
5 Ton (20) Horizontal Belt Drive Information

HP	Voltage	Blower RPM	Motor / Drive Kit Number
1/2	115-1-60	540 - 685	9MD20-C1
1/2	115 / 208 - 230-1-60	540 - 685	9MD20-C2
1/2	277-1-60	540 - 685	9MD20-C3
1/2	208 - 230 / 460-3-60	540 - 685	9MD20-C4
1/2	575-3-60	540 - 685	9MD20-C5
1/2	115-1-60	695 - 890	9MD20-C6
1/2	115 / 208 - 230-1-60	695 - 890	9MD20-C7
1/2	277-1-60	695 - 890	9MD20-C8
1/2	208 - 230 / 460-3-60	695 - 890	9MD20-C9
1/2	575-3-60	695 - 890	9MD20-C10
3/4	115 / 208- 230-1-60	540 - 685	9MD20-D2
3/4	277-1-60	540 - 685	9MD20-D3
3/4	208 - 230 / 460-3-60	540 - 685	9MD20-D4
3/4	575-3-60	540 - 685	9MD20-D5
3/4	115 / 208- 230-1-60	695 - 890	9MD20-D7
3/4	277-1-60	695 - 890	9MD20-D8
3/4	208 - 230 / 460-3-60	695 - 890	9MD20-D9
3/4	575-3-60	695 - 890	9MD20-D10
3/4	115 / 208- 230-1-60	825 - 1065	9MD20-D12
3/4	277-1-60	825 - 1065	9MD20-D13
3/4	208 - 230 / 460-3-60	825 - 1065	9MD20-D14
3/4	575-3-60	825 - 1065	9MD20-D15
1	115 / 208- 230-1-60	695 - 890	9MD20-E2
1	277-1-60	695 - 890	9MD20-E3
1	208 - 230 / 460-3-60	695 - 890	9MD20-E4
1	575-3-60	695 - 890	9MD20-E5
1	115 / 208- 230-1-60	825 - 1065	9MD20-E7
1	277-1-60	825 - 1065	9MD20-E8
1	208 - 230 / 460-3-60	825 - 1065	9MD20-E9
1	575-3-60	825 - 1065	9MD20-E10

5 Ton (20) Horizontal Belt Drive Information

HP	Voltage	Blower RPM	Motor / Drive Kit Number
1	115 / 208- 230-1-60	955 - 1240	9MD20-E12
1	277-1-60	955 - 1240	9MD20-E13
1	208 - 230 / 460-3-60	955 - 1240	9MD20-E14
1	575-3-60	955 - 1240	9MD20-E15
1-1/2	115 / 208- 230-1-60	825 - 1065	9MD20-F2
1-1/2	277-1-60	825 - 1065	9MD20-F3
1-1/2	208 - 230 / 460-3-60	825 - 1065	9MD20-F4
1-1/2	575-3-60	850 - 1010	9MD20-F5
1-1/2	115 / 208- 230-1-60	955 - 1240	9MD20-F7
1-1/2	277-1-60	955 - 1240	9MD20-F8
1-1/2	208 - 230 / 460-3-60	955 - 1240	9MD20-F9
1-1/2	575-3-60	955 - 1140	9MD20-F10
1-1/2	115 / 208- 230-1-60	1075 - 1400	9MD20-F12
1-1/2	277-1-60	1075 - 1400	9MD20-F13
1-1/2	208 - 230 / 460-3-60	1075 - 1400	9MD20-F14
1-1/2	575-3-60	1090 - 1310	9MD20-F15
2	115 / 208- 230-1-60	1025 - 1330	9MD20-G2
2	277-1-60	1025 - 1330	
2	208 - 230 / 460-3-60	1025 - 1330	9MD20-G4
2	575-3-60	1060 - 1270	9MD20-G5
2	115 / 208- 230-1-60	1235 - 1610	9MD20-G7
2	277-1-60	1235 - 1610	
2	208 - 230 / 460-3-60	1235 - 1610	9MD20-G9
2	575-3-60	1340 - 1620	9MD20-G10

Size 20 Blower Curve



20AWH/20AXH														
Componet Static Pressure (Inches of Water)														
CFM	CABINET	Chilled Water Coil				Hot Water Coil		DX Coil		Filter Sections				Mixing Box
		Dry Coil		Wet Coil		Dry Coil	Wet Coil	Dry Coil	Wet Coil	2" Flat	4" Flat	2" Angled	4" Angled	
		4 Row	6 Row	4 Row	6 Row					Merv 7	Merv 7	Merv 7	Merv 7	
1600	0.13	0.15	0.22	0.21	0.31	0.11	0.18	0.26	0.15	0.11	0.08	0.10	0.14	
1800	0.17	0.18	0.27	0.26	0.39	0.14	0.20	0.29	0.18	0.13	0.10	0.12	0.21	
2000	0.21	0.20	0.32	0.29	0.46	0.17	0.23	0.33	0.22	0.15	0.12	0.15	0.26	
2200	0.25	0.23	0.37	0.33	0.53	0.21	0.27	0.39	0.26	0.19	0.14	0.18	0.31	
2400	0.29	0.27	0.42	0.39	0.60	0.25	0.31	0.44	0.30	0.23	0.16	0.22	0.36	

5 TON FAN PERFORMANCE (AWH / AWX)

5 TON FAN PERFORMANCE (AWH / AWX)																													
Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																											
		0.6		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0		2.25		2.5		2.75		3.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20	1800	809	0.6	847	0.7	883	0.7	919	0.8	954	0.8	1020	0.9	1085	1.0	1147	1.1	1207	1.2	1266	1.3	1337	1.4	1406	1.5	1473	1.7	---	---
	1900	827	0.7	864	0.7	899	0.8	933	0.8	967	0.9	1032	1.0	1095	1.0	1155	1.1	1214	1.2	1271	1.3	1341	1.5	1409	1.6	1475	1.8	1538	1.9
	2000	846	0.8	881	.08	915	0.8	949	0.9	962	0.9	1045	1.0	1106	1.1	1165	1.2	1222	1.3	1278	1.4	1347	1.5	1413	1.7	1477	1.8	1540	2.0
	2100	865	0.8	899	0.9	933	.09	965	1.0	997	1.0	1059	1.1	1119	1.2	1176	1.3	1232	1.4	1286	1.5	1354	1.6	1419	1.8	1481	1.9	1543	2.1
	2200	885	0.9	918	1.0	951	1.0	983	1.0	1014	1.1	1074	1.2	1132	1.3	1188	1.4	1243	1.5	1296	1.6	1362	1.7	1426	1.9	1487	2.0	1547	2.2

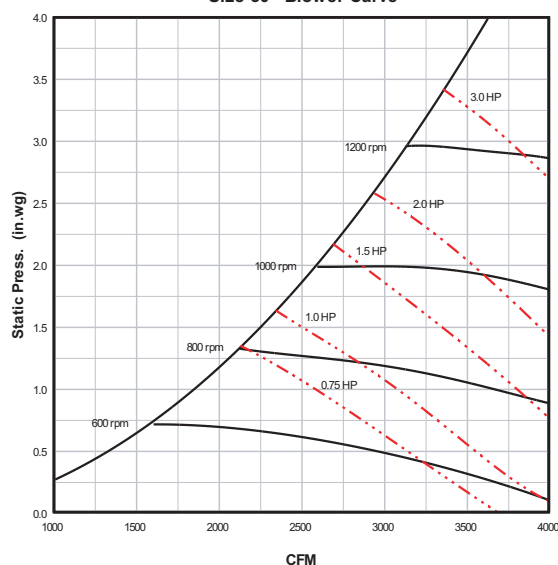
7-1/2 Ton (30) Horizontal Belt Drive Information

HP	Voltage	Phase	Blower RPM	Motor / Drive Kit Number
3/4	115 / 208 - 230	1	615 - 720	9MD30-D2
3/4	277	1	615 - 720	9MD30-D3
3/4	208 - 230 / 460	3	615 - 720	9MD30-D4
3/4	575	3	615 - 720	9MD30-D5
1	115 / 208 - 230	1	615 - 720	9MD30-E2
1	277	1	615 - 720	9MD30-E3
1	208 - 230 / 460	3	615 - 720	9MD30-E4
1	575	3	615 - 720	9MD30-E5
1	115 / 208 - 230	1	665 - 785	9MD30-E7
1	277	1	665 - 785	9MD30-E8
1	208 - 230 / 460	3	665 - 785	9MD30-E9
1	575	3	665 - 785	9MD30-E10
1	115 / 208 - 230	1	730 - 865	9MD30-E12
1	277	1	730 - 865	9MD30-E13
1	208 - 230 / 460	3	730 - 865	9MD30-E14
1	575	3	730 - 865	9MD30-E15
1-1/2	115 / 208 - 230	1	730 - 865	9MD30-F2
1-1/2	277	1	730 - 865	9MD30-F3
1-1/2	208 - 230 / 460	3	730 - 865	9MD30-F4
1-1/2	575	3	730 - 865	9MD30-F5
1-1/2	115 / 208 - 230	1	805 - 955	9MD30-F7
1-1/2	277	1	805 - 955	9MD30-F8
1-1/2	208 - 230 / 460	3	805 - 955	9MD30-F9
1-1/2	575	3	805 - 955	9MD30-F10

7-1/2 Ton (30) Horizontal Belt Drive Information

HP	Voltage	Phase	Blower RPM	Motor / Drive Kit Number
1-1/2	115 / 208 - 230	1	850 - 1010	9MD30-F12
1-1/2	277	1	850 - 1010	9MD30-F13
1-1/2	208 - 230 / 460	3	850 - 1010	9MD30-F14
1-1/2	575	3	850 - 1010	9MD30-F15
2	115 / 208 - 230	1	850 - 1010	9MD30-G2
2	277	1	850 - 1010	
2	208 - 230 / 460	3	850 - 1010	9MD30-G4
2	575	3	850 - 1010	9MD30-G5
2	115 / 208 - 230	1	955 - 1140	9MD30-G7
2	277	1	955 - 1140	
2	208 - 230 / 460	3	955 - 1140	9MD30-G9
2	575	3	955 - 1140	9MD30-G10
3	115 / 208 - 230	1	955 - 1140	9MD30-H2
3	277	1		
3	208 - 230 / 460	3	955 - 1140	9MD30-H4
3	575	3	955 - 1140	9MD30-H5
3	115 / 208 - 230	1	1060 - 1270	9MD30-H7
3	277	1		
3	208 - 230 / 460	3	1060 - 1270	9MD30-H9
3	575	3	1060 - 1270	9MD30-H10

Size 30 Blower Curve



30AWH/30AXH

Component Static Pressure (Inches of Water)

CFM	CABINET	Computer Room - Passes (Winds of Water)														Mixing Box
		Chilled Water Coil				Hot Water Coil	DX Coil		Filter Sections							
		Dry Coil		Wet Coil		Dry Coil	Dry Coil	Wet Coil	2" Flat	4" Flat	2" Angled	4" Angled				
		4 Row	6 Row	4 Row	6 Row	*1-2 Row	4 row		Merv 7	Merv 7	Merv 7	Merv 7				
2600	0.17	0.11	0.15	0.12	0.16	0.05	0.17	0.18	0.19	0.14	0.11	0.10	0.22			
2800	0.18	0.12	0.17	0.13	0.18	0.06	0.21	0.23	0.20	0.15	0.12	0.11	0.25			
3000	0.19	0.13	0.19	0.14	0.20	0.07	0.27	0.29	0.21	0.16	0.13	0.12	0.28			
3200	0.20	0.14	0.22	0.15	0.24	0.08	0.28	0.30	0.23	0.17	0.14	0.13	0.32			
3400	0.21	0.15	0.24	0.16	0.26	0.09	0.29	0.31	0.24	0.18	0.14	0.14	0.36			

7-1/2 TON FAN PERFORMANCE (A WH / AWX)

Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																									
		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0		2.25		2.5		2.75		3.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
30	2500	637	0.7	668	0.7	699	0.8	729	0.8	786	0.9	841	1.1	894	1.2	945	1.3	---	---	---	---	---	---	---	---	---	---
	2750	654	0.8	684	0.8	713	0.9	741	1.0	796	1.1	849	1.2	899	1.3	948	1.4	996	1.6	1057	1.7	---	---	---	---	---	---
	3000	672	0.9	701	1.0	729	1.0	756	1.1	809	1.2	859	1.3	908	1.5	955	1.6	1001	1.7	1060	1.9	1114	2.1	---	---	---	---
	3250	693	1.1	720	1.1	747	1.2	773	1.2	823	1.4	872	1.5	919	1.8	964	1.8	1008	1.9	1066	2.1	1119	2.3	1169	2.5	1219	2.7
	3500	715	1.2	741	1.3	767	1.3	792	1.4	840	1.5	887	1.7	932	1.8	976	2.0	1018	2.1	1075	2.3	1126	2.5	1175	2.7	1223	2.9

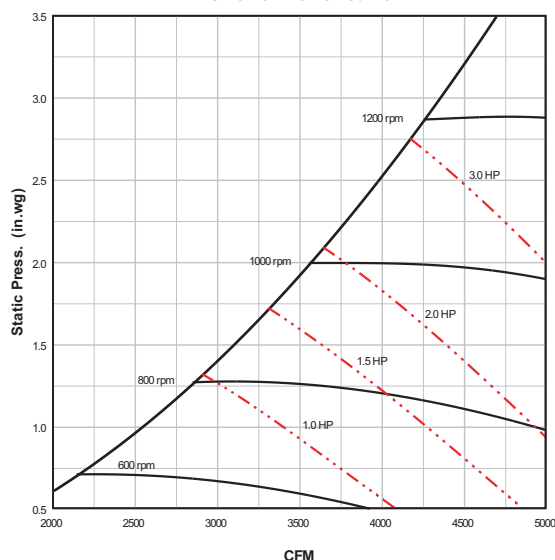
10 Ton (40) Horizontal Belt Drive Information

HP	Voltage	Phase	Blower RPM	Motor / Drive Kit Number
1-1/2	115 / 208 - 230	1	695 - 825	9MD40-F2
1-1/2	277	1	695 - 825	9MD40-F3
1-1/2	208- 230 / 460	3	695 - 825	9MD40-F4
1-1/2	575	3	695 - 825	9MD40-F5
1-1/2	115 / 208 - 230	1	765 - 910	9MD40-F7
1-1/2	277	1	765 - 910	9MD40-F8
1-1/2	208- 230 / 460	3	765 - 910	9MD40-F9
1-1/2	575	3	765 - 910	9MD40-F10
2	115 / 208 - 230	1	695 - 825	9MD40-G2
2	277	1	695 - 825	
2	208- 230 / 460	3	695 - 825	9MD40-G4
2	575	3	695 - 825	9MD40-G5
2	115 / 208 - 230	1	765 - 910	9MD40-G7
2	277	1	765 - 910	
2	208- 230 / 460	3	765 - 910	9MD40-G9
2	575	3	765 - 910	9MD40-G10
2	115 / 208 - 230	1	850 - 1010	9MD40-G12
2	277	1		
2	208- 230 / 460	3	850 - 1010	9MD40-G14
2	575	3	850 - 1010	9MD40-G15

10 Ton (40) Horizontal Belt Drive Information

HP	Voltage	Phase	Blower RPM	Motor / Drive Kit Number
3	115 / 208 - 230	1	765 - 910	9MD40-H2
3	277	1		
3	208- 230 / 460	3	765 - 910	9MD40-H4
3	575	3	765 - 910	9MD40-H5
3	115 / 208 - 230	1	850 - 1010	9MD40-H7
3	277	1		
3	208- 230 / 460	3	850 - 1010	9MD40-H9
3	575	3	850 - 1010	9MD40-H10
3	115 / 208 - 230	1	955 - 1140	9MD40-H12
3	277	1		
3	208- 230 / 460	3	955 - 1140	9MD40-H14
3	575	3	955 - 1140	9MD40-H15
5	208- 230 / 460	3	900 - 1075	9MD40-J4
5	575	3	900 - 1075	9MD40-J5
5	208- 230 / 460	3	1015 - 1220	9MD40-J9
5	575	3	1015 - 1220	9MD40-J10

Size 40 Blower Curve



40AWH/40AXH

Component Static Pressure (Inches of Water)

CFM	CABINET	Chilled Water Coil											Mixing Box
		Chilled Water Coil				Hot Water Coil	DX Coil		Filter Sections				
		Dry Coil		Wet Coil		Dry Coil	Dry Coil	Wet Coil	2" Flat	4" Flat	2" Angled	4" Angled	
		4 Row	6 Row	4 Row	6 Row	*1-2 Row	4 row		Merv 7	Merv 7	Merv 7	Merv 7	
3600	0.14	0.12	0.18	0.13	0.19	0.05	0.23	0.25	0.20	0.13	0.13	0.13	0.20
3800	0.16	0.14	0.21	0.15	0.22	0.06	0.26	0.28	0.21	0.14	0.14	0.14	0.22
4000	0.18	0.16	0.24	0.17	0.26	0.08	0.27	0.29	0.22	0.15	0.14	0.14	0.24
4200	0.20	0.18	0.27	0.19	0.29	0.10	0.29	0.31	0.23	0.15	0.15	0.15	0.27
4400	0.22	0.20	0.31	0.21	0.33	0.12	0.32	0.34	0.24	0.16	0.16	0.15	0.30

10 TON FAN PERFORMANCE (AWH / AWX)

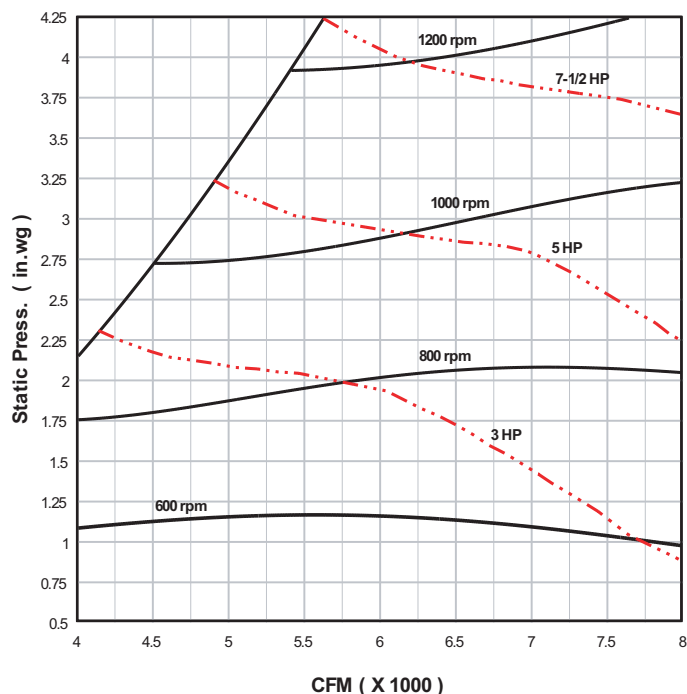
TOTAL STATIC PRESSURE - INCHES OF WATER

Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																										
		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0		2.25		2.5		2.75		3.0		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
40	3400	639	0.9	671	1.0	701	1.1	731	1.1	791	1.3	848	1.5	905	1.6	961	1.7	---	---	---	---	---	---	---	---	---	---	---
	3700	655	1.1	685	1.2	714	1.2	742	1.3	798	1.4	852	1.6	906	1.8	958	1.9	1010	2.1	---	---	---	---	---	---	---	---	
	4000	673	1.2	701	1.3	728	1.4	755	1.5	808	1.6	860	1.8	910	2.2	960	2.1	1009	2.3	1072	2.5	1132	2.7	---	---	---	---	
	4300	693	1.4	719	1.5	745	1.6	771	1.7	821	1.8	870	2.0	918	2.2	965	2.4	1011	2.5	1073	2.7	1132	3.0	1184	3.2	---	---	
	4600	713	1.6	739	1.7	764	1.8	788	1.9	836	2.1	883	2.2	929	2.4	973	2.6	1018	2.8	1076	3.0	1132	3.2	1184	3.2	1236	3.8	

15 Ton (60) Horizontal Belt Drive Information

HP	Voltage	Phase	Hz	Blower RPM	Motor / Drive Kit Number
3	115 / 208 - 230	1	60	615 - 720	9MD60-H2
3	277	1	60		
3	208- 230 / 460	3	60	615 - 720	9MD60-H4
3	575	3	60	615 - 720	9MD60-H5
3	115 / 208 - 230	1	60	665 - 785	9MD60-H7
3	277	1	60		
3	208- 230 / 460	3	60	665 - 785	9MD60-H9
3	575	3	60	665 - 785	9MD60-H10
3	115 / 208 - 230	1	60	730 - 865	9MD60-H12
3	277	1	60		
3	208- 230 / 460	3	60	730 - 865	9MD60-H14
3	575	3	60	730 - 865	9MD60-H15
5	208- 230 / 460	3	60	730 - 865	9MD60-J4
5	575	3	60	730 - 865	9MD60-J5
5	208- 230 / 460	3	60	805 - 955	9MD60-J9
5	575	3	60	805 - 955	9MD60-J10
5	208- 230 / 460	3	60	900 - 1075	9MD60-J14
5	575	3	60	900 - 1075	9MD60-J15
7-1/2	208- 230 / 460	3	60	915 - 1065	9MD60-K4
7-1/2	575	3	60	915 - 1065	9MD60-K5
7-1/2	208- 230 / 460	3	60	1020 - 1195	9MD60-K9
7-1/2	575	3	60	1020 - 1195	9MD60-K10

60WH Blower Curve



60AWH/60AXH

CFM	Componet Static Pressure (Inches of Water)												
	CABINET	Chilled Water Coil				Hot Water Coil	DX Coil		Filter Sections				Mixing Box
		Dry Coil		Wet Coil		Dry Coil	Dry Coil	Wet Coil	2" Flat	4" Flat	2" Angled	4" Angled	
		4 Row	6 Row	4 Row	6 Row	*1-2 Row	4 row		Merv 7	Merv 7	Merv 7	Merv 7	
5600	0.01	0.14	0.20	0.15	0.21	0.06	0.18	0.19	0.16	0.16	0.16	0.15	0.23
5800	0.05	0.17	0.23	0.18	0.25	0.09	0.21	0.23	0.18	0.18	0.17	0.16	0.25
6000	0.12	0.19	0.26	0.21	0.28	0.11	0.24	0.26	0.21	0.19	0.18	0.17	0.27
6200	0.19	0.22	0.29	0.23	0.31	0.13	0.27	0.29	0.23	0.20	0.19	0.18	0.28
6400	0.25	0.24	0.32	0.26	0.35	0.15	0.30	0.32	0.26	0.23	0.20	0.19	0.30

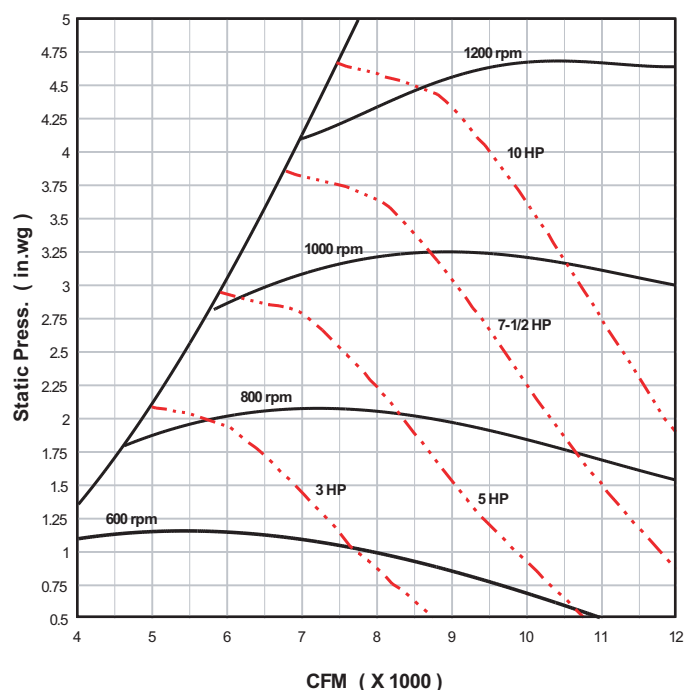
15 TON FAN PERFORMANCE (AWH / AWP)

Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																											
		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0		2.25		2.5		2.75		3.0			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
60	5200	488	1.3	515	1.4	542	1.5	568	1.6	621	1.8	672	2.0	727	2.3	784	2.7	837	3.1	901	3.5	1009	4.0	1012	4.5	1060	4.9		
	5600	494	1.5	520	1.6	545	1.7	571	1.8	620	2.0	669	2.2	716	2.5	766	2.8	819	3.2	885	3.6	945	4.1	1000	4.6	1052	5.1		
	6000	502	1.7	527	1.8	551	1.9	575	2.0	622	2.2	668	2.4	713	2.7	758	3.0	802	3.3	867	3.7	928	4.2	985	4.7	1039	5.3		
	6400	511	1.9	535	2.0	558	2.1	581	2.2	626	2.4	670	2.7	712	2.9	755	3.2	797	3.5	853	3.8	910	4.3	968	4.8	1023	5.4		
	6800	521	2.1	543	2.2	566	2.4	588	2.5	631	2.7	673	3.0	714	3.2	755	3.5	794	3.8	849	4.1	898	4.5	950	4.9	1005	5.5		

20 Ton (80) Horizontal Belt Drive Information

HP	Voltage	Phase	Hz	Blower RPM	Motor / Drive Kit Number
3	115 / 208 - 230	1	60	615 - 720	9MD80-H2
3	277	1	60		
3	208- 230 / 460	3	60	615 - 720	9MD80-H4
3	575	3	60	615 - 720	9MD80-H5
3	115 / 208 - 230	1	60	665 - 785	9MD80-H7
3	277	1	60		
3	208- 230 / 460	3	60	665 - 785	9MD80-H9
3	575	3	60	665 - 785	9MD80-H10
3	115 / 208 - 230	1	60	730 - 865	9MD80-H12
3	277	1	60		
3	208- 230 / 460	3	60	730 - 865	9MD80-H14
3	575	3	60	730 - 865	9MD80-H15
5	208- 230 / 460	3	60	615 - 720	9MD80-J4
5	575	3	60	615 - 720	9MD80-J5
5	208- 230 / 460	3	60	665 - 785	9MD80-J9
5	575	3	60	665 - 785	9MD80-J10
5	208- 230 / 460	3	60	730 - 865	9MD80-J14
5	575	3	60	730 - 865	9MD80-J15
5	208- 230 / 460	3	60	805 - 955	9MD80-J19
5	575	3	60	805 - 955	9MD80-J20
7-1/2	208- 230 / 460	3	60	645 - 745	9MD80-K4
7-1/2	575	3	60	645 - 745	9MD80-K5
7-1/2	208- 230 / 460	3	60	700 - 805	9MD80-K9
7-1/2	575	3	60	700 - 805	9MD80-K10
7-1/2	208- 230 / 460	3	60	755 - 875	9MD80-K14
7-1/2	575	3	60	755 - 875	9MD80-K15
7-1/2	208- 230 / 460	3	60	825 - 965	9MD80-K19
7-1/2	575	3	60	825 - 965	9MD80-K20
7-1/2	208- 230 / 460	3	60	915 - 1065	9MD80-K24
7-1/2	575	3	60	915 - 1065	9MD80-K25
7-1/2	208- 230 / 460	3	60	1020 - 1195	9MD80-K29
7-1/2	575	3	60	1020 - 1195	9MD80-K30
10	208- 230 / 460	3	60	915 - 1065	9MD80-L4
10	575	3	60	915 - 1065	9MD80-L5
10	208- 230 / 460	3	60	1020 - 1195	9MD80-L9
10	575	3	60	1020 - 1195	9MD80-L10
10	208- 230 / 460	3	60	1155 - 1360	9MD80-L14
10	575	3	60	1155 - 1360	9MD80-L15

Size 80 Blower Curve

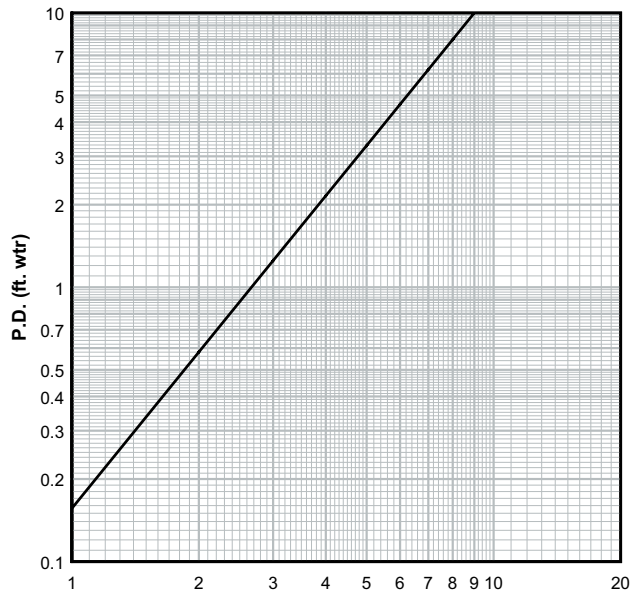


80AWH/80AXH													
CFM	Componet Static Pressure (Inches of Water)												
	CABINET	Chilled Water Coil				Hot Water Coil	DX Coil		Filter Sections				Mixing Box
		Dry Coil		Wet Coil		Dry Coil	Dry Coil	Wet Coil	2" Flat	4" Flat	2" Angled	4" Angled	
		4 Row	6 Row	4 Row	6 Row	*1-2 Row	4 row		Merv 7	Merv 7	Merv 7	Merv 7	
6000	0.09	0.17	0.16	0.49	0.18	0.08	0.22	0.23	0.13	0.10	0.11	0.10	0.42
7000	0.15	0.19	0.21	0.21	0.22	0.11	0.24	0.26	0.17	0.13	0.14	0.13	0.44
8000	0.32	0.23	0.27	0.25	0.29	0.15	0.30	0.32	0.22	0.17	0.18	0.17	0.47
9000	0.42	0.30	0.37	0.32	0.39	0.20	0.38	0.41	0.27	0.22	0.24	0.21	0.49
10000	0.48	0.39	0.47	0.41	0.51	0.23	0.49	0.52	0.33	0.26	0.33	0.26	0.51

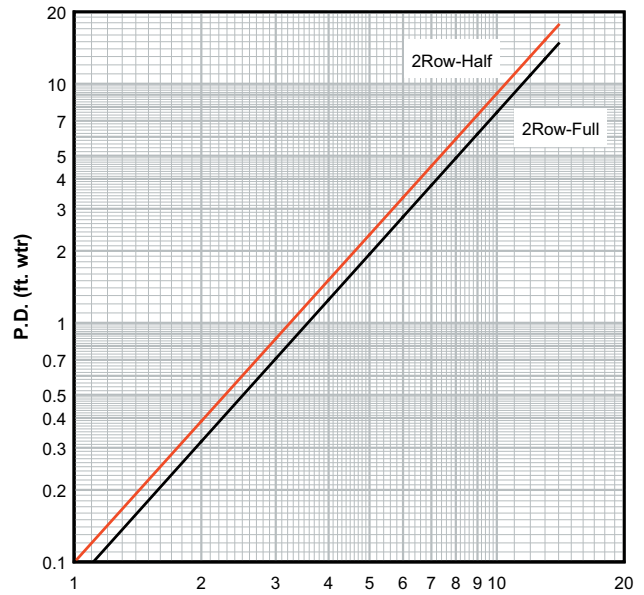
20 TON FAN PERFORMANCE (AWH / AWX)

Model	CFM	TOTAL STATIC PRESSURE - INCHES OF WATER																									
		0.7		0.8		0.9		1.0		1.2		1.4		1.6		1.8		2.0		2.25		2.5		2.75		3.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
80	6000	502	1.7	527	1.8	551	1.9	575	2.0	622	2.2	668	2.4	713	2.7	758	3.0	802	3.3	867	3.7	928	4.2	985	4.7	1039	5.3
	7000	525	2.2	548	2.4	570	2.5	592	2.6	634	2.9	675	3.1	715	3.4	755	3.6	794	4.0	848	4.2	896	4.6	943	5.1	996	5.6
	8000	550	2.9	572	3.1	594	3.3	615	3.4	653	3.7	691	4.0	727	4.2	764	4.5	799	4.8	849	5.1	892	5.5	935	5.9	977	6.4
	9000	578	3.8	599	4.0	619	4.1	639	4.3	678	4.7	713	5.0	746	5.3	780	5.6	812	6.0	860	6.3	899	6.6	938	7.1	977	7.5
	10000	610	4.8	629	5.0	647	5.1	665	5.4	702	5.8	737	6.2	770	6.6	801	7.0	831	7.3	876	7.6	913	8.1	949	8.5	---	---

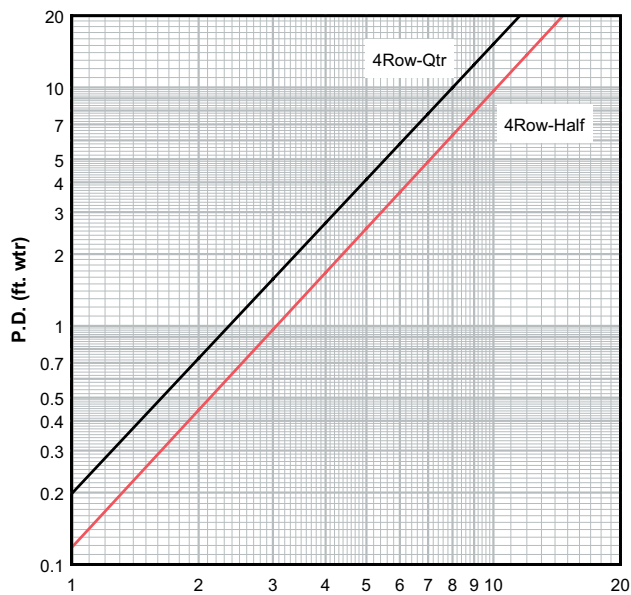
Size 08 1 Row Coil Pressure Drop



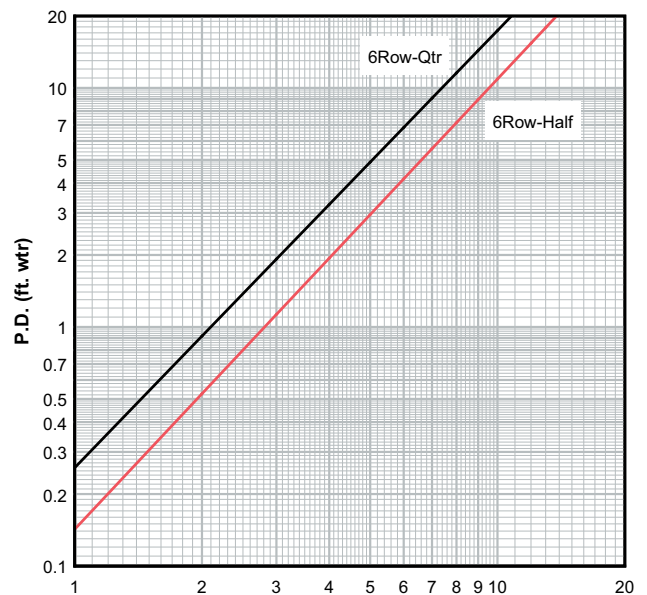
Size 08 2 Row Coil Pressure Drop



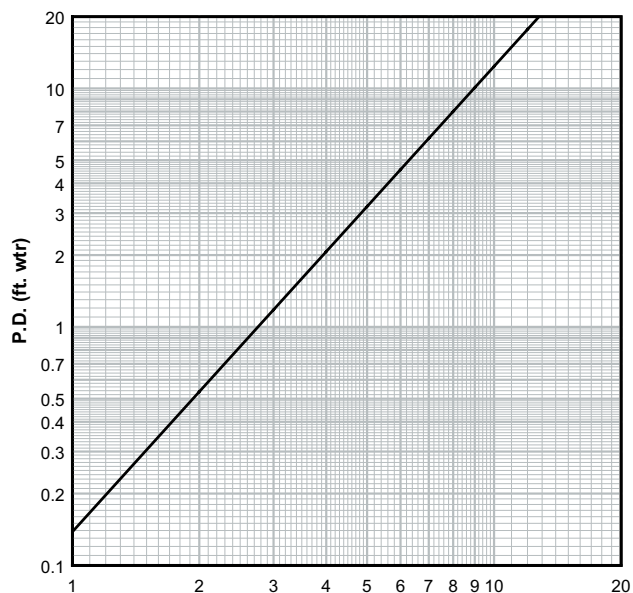
Size 08 4 Row Coil Pressure Drop



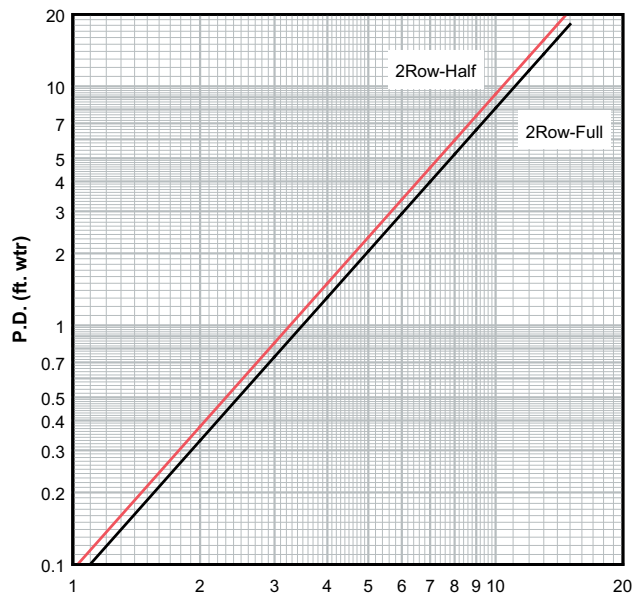
Size 08 6 Row Coil Pressure Drop



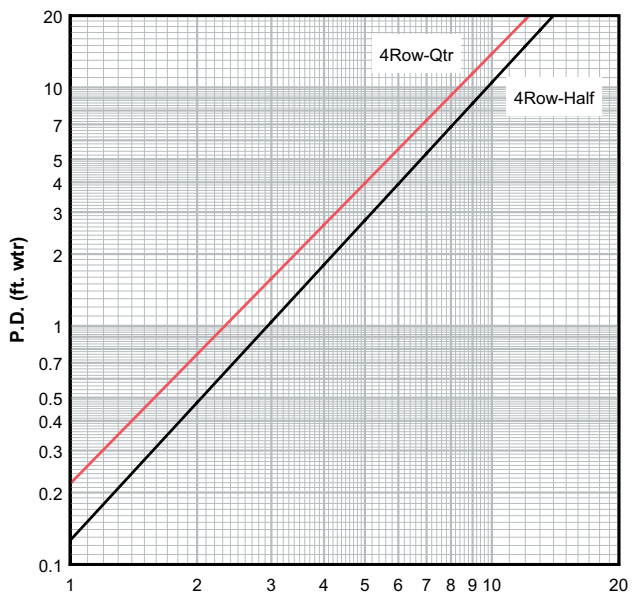
Size 12 1 Row Coil Pressure Drop



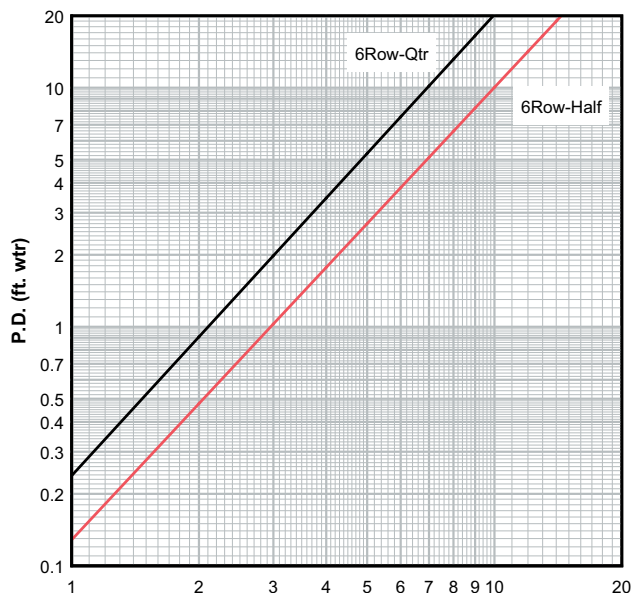
Size 12 2 Row Coil Pressure Drop



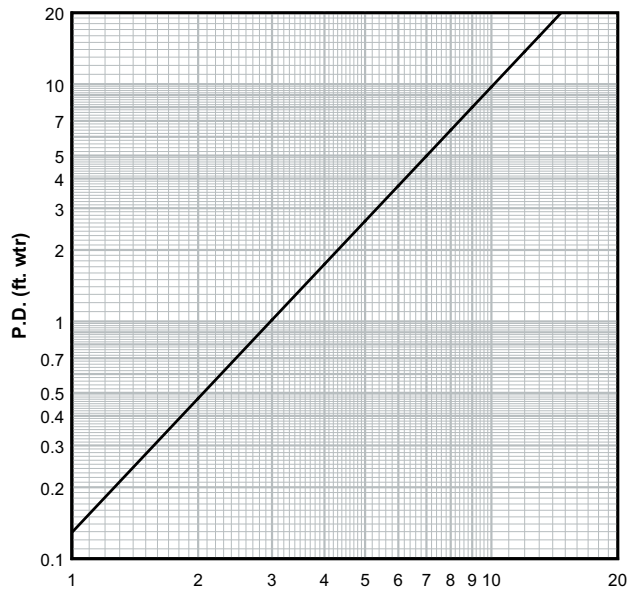
Size 12 4 Row Coil Pressure Drop



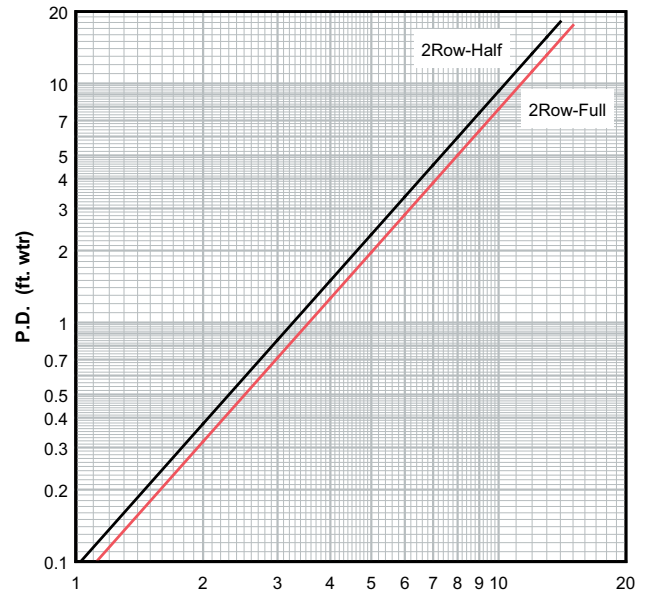
Size 12 6 Row Coil Pressure Drop



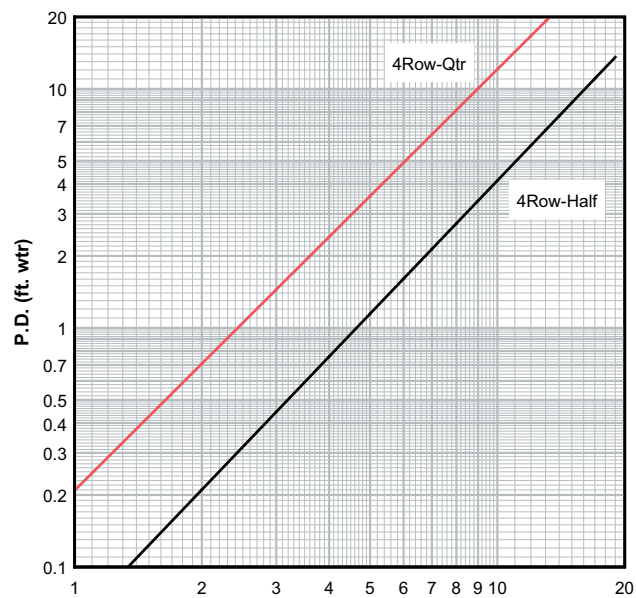
Size 16 1 Row Coil Pressure Drop



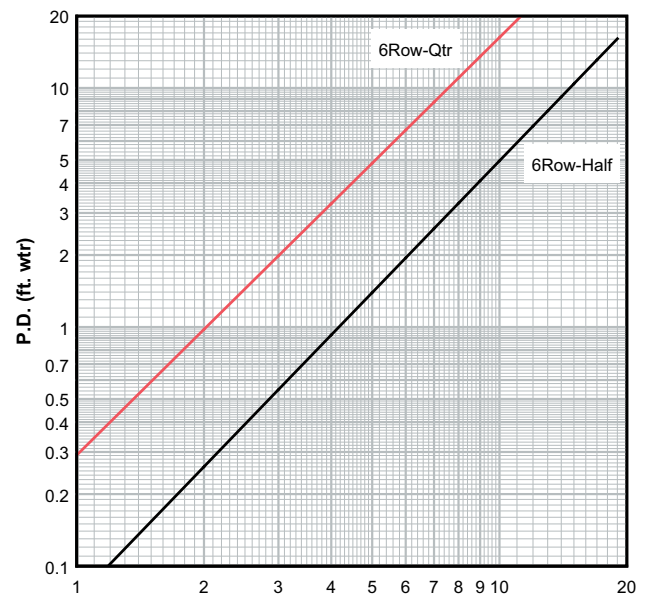
Size 16 2 Row Coil Pressure Drop



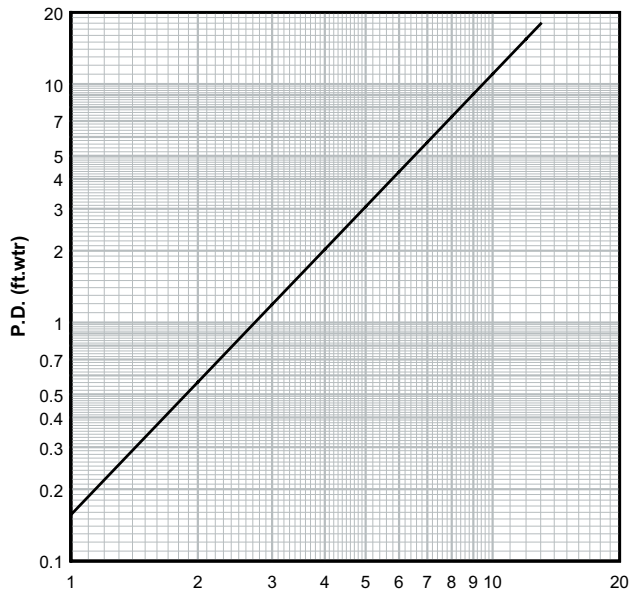
Size 16 4 Row Coil Pressure Drop



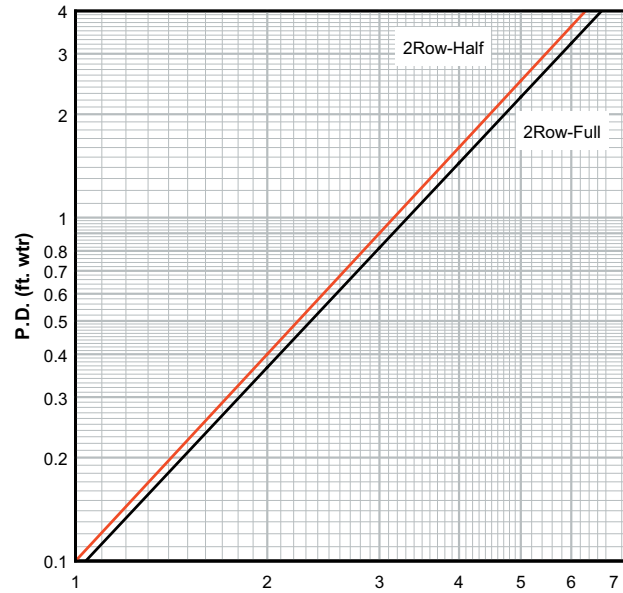
Size 16 6 Row Coil Pressure Drop



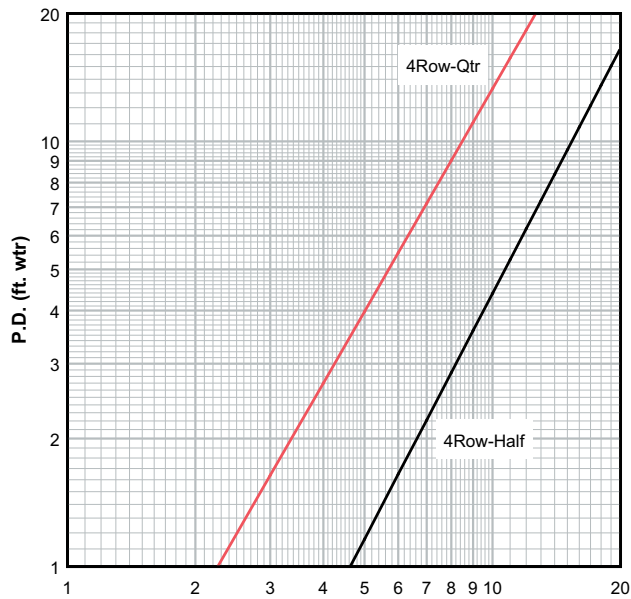
Size 20 1 Row Coil Pressure Drop



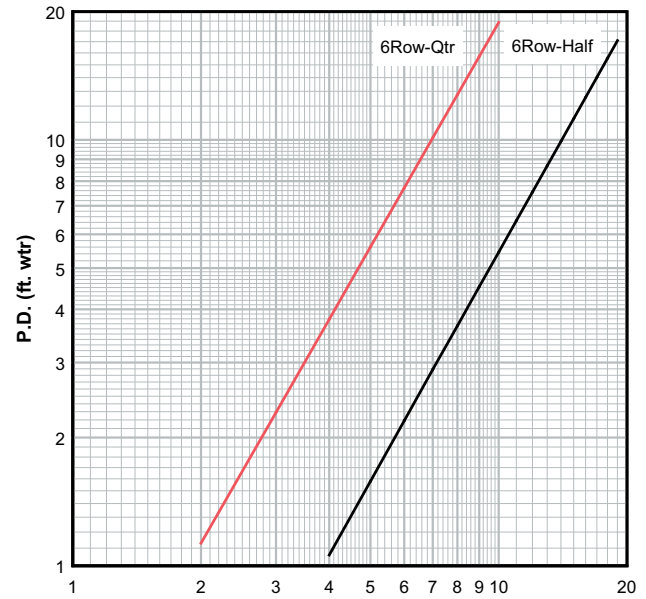
Size 20 2 Row Coil Pressure Drop



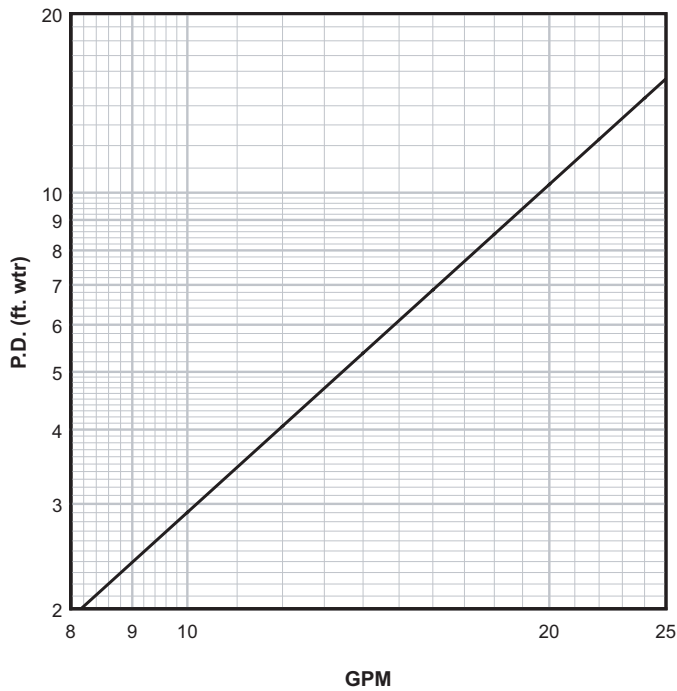
Size 20 4 Row Coil Pressure Drop



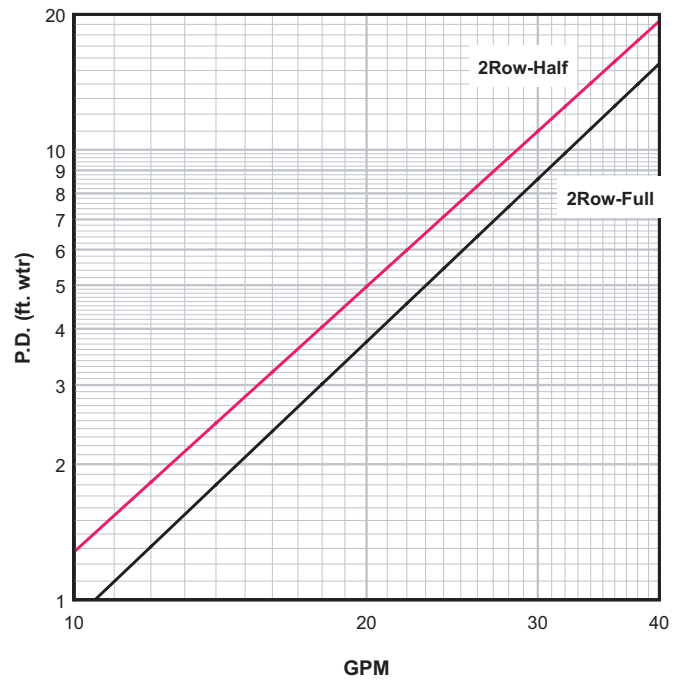
Size 20 6 Row Coil Pressure Drop



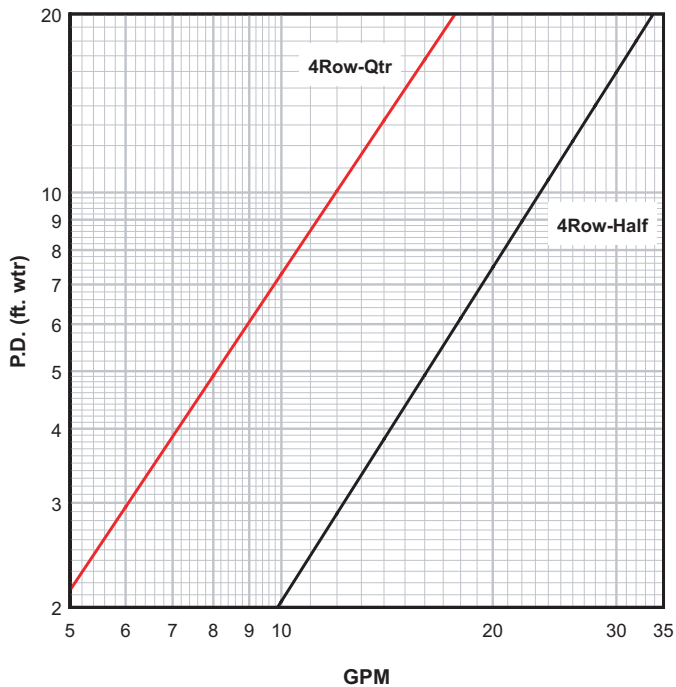
Size 30 1 Row Coil Pressure Drop



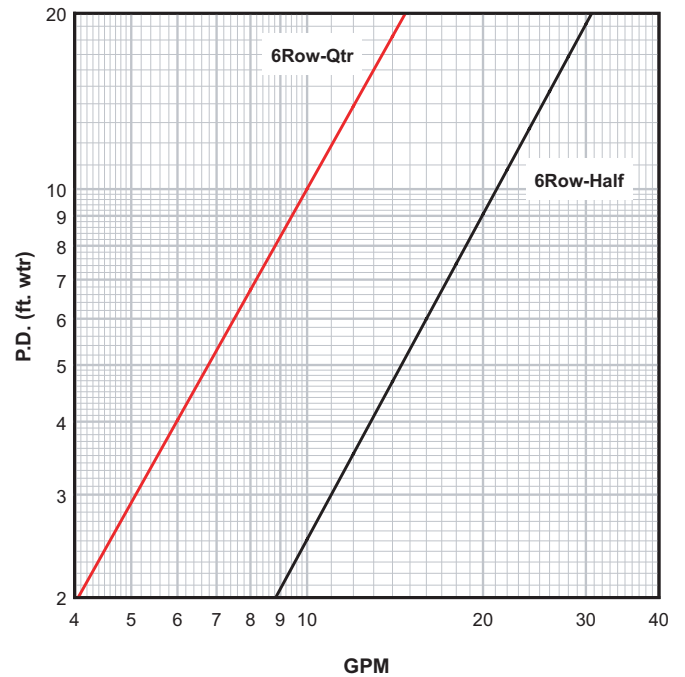
Size 30 2 Row Coil Pressure Drop



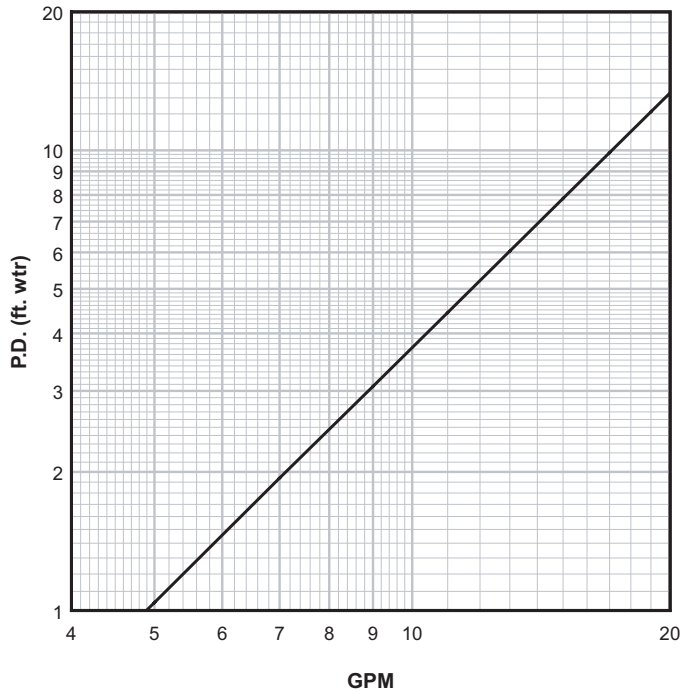
Size 30 4 Row Coil Pressure Drop



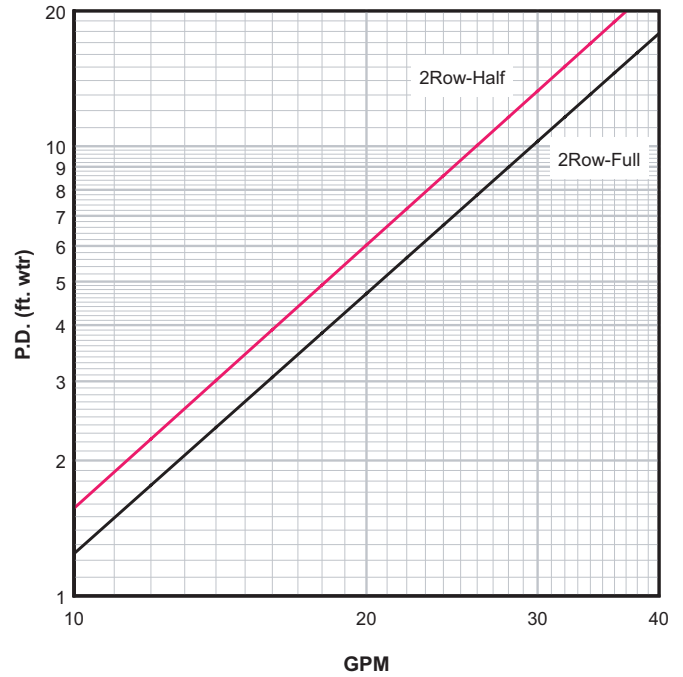
Size 30 6 Row Coil Pressure Drop



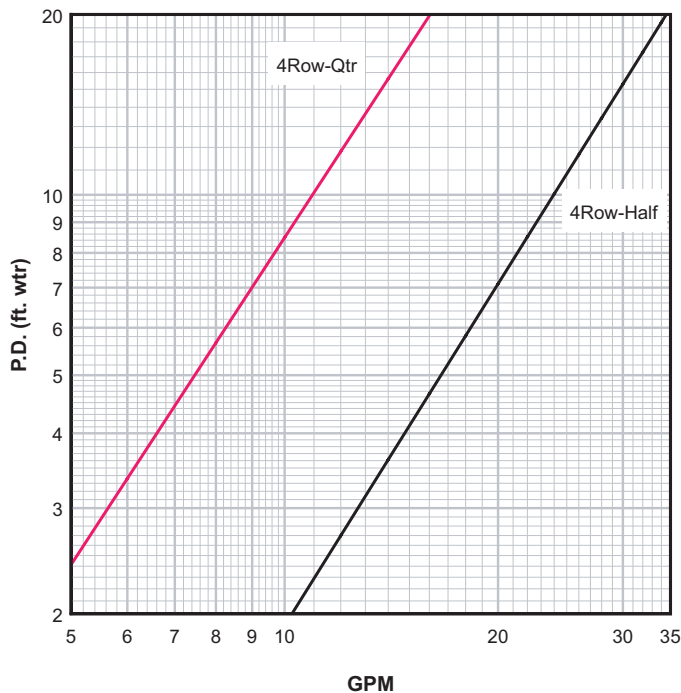
Size 40 1 Row Coil Pressure Drop



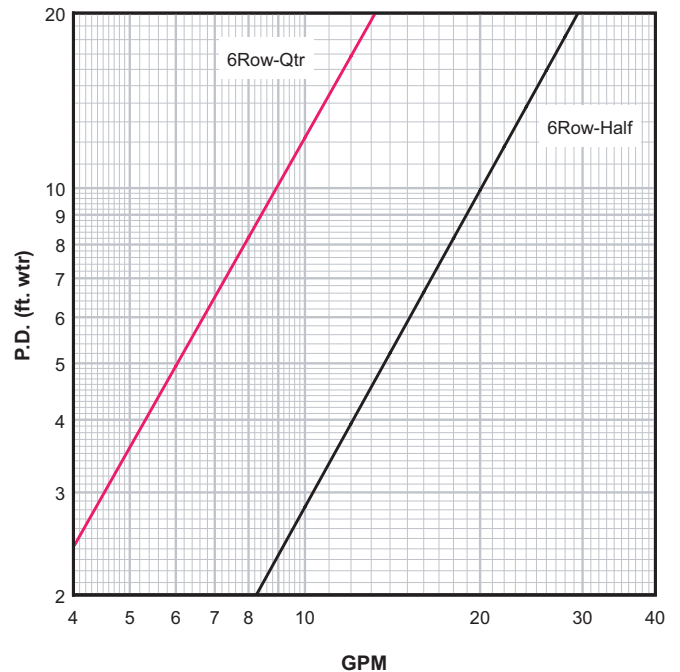
Size 40 2 Row Coil Pressure Drop



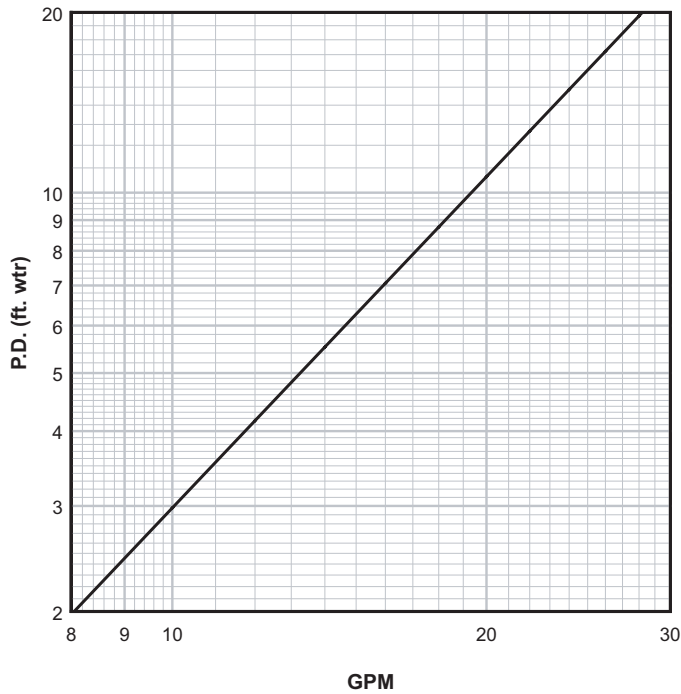
Size 40 4 Row Coil Pressure Drop



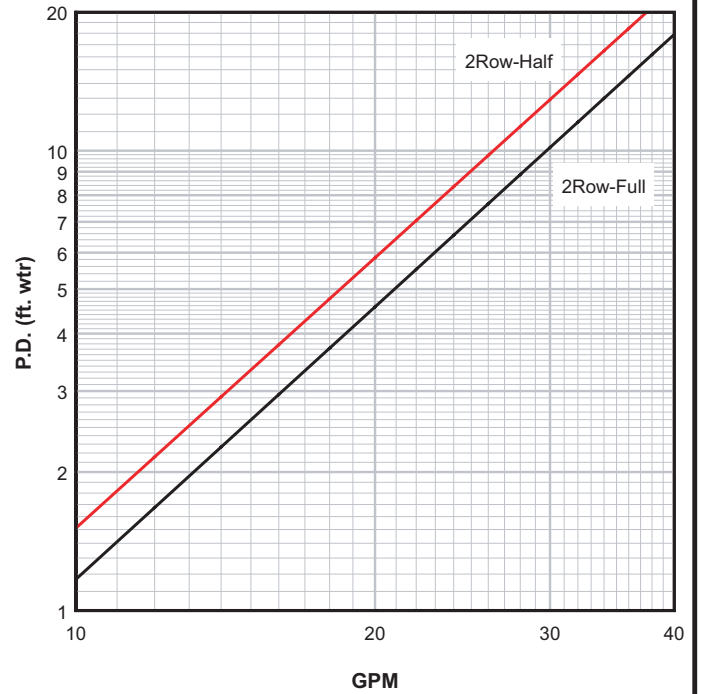
Size 40 6 Row Coil Pressure Drop



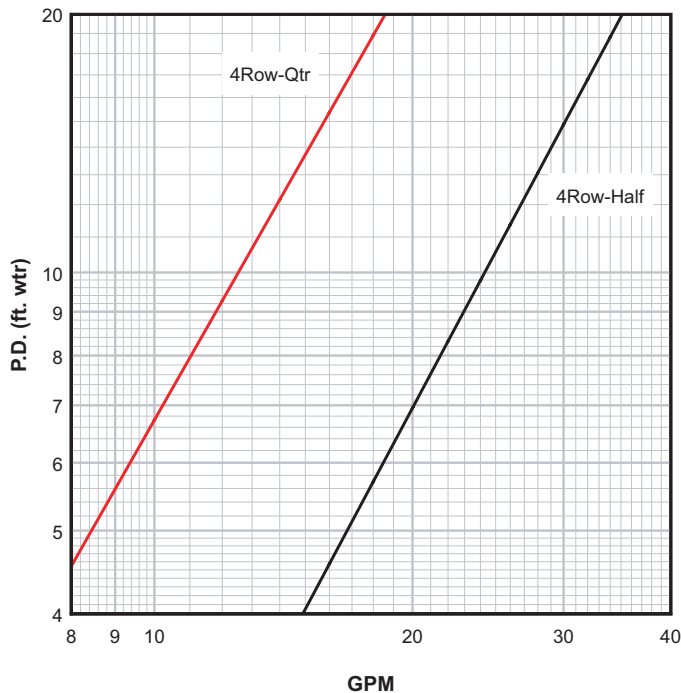
Size 60 1 Row Coil Pressure Drop



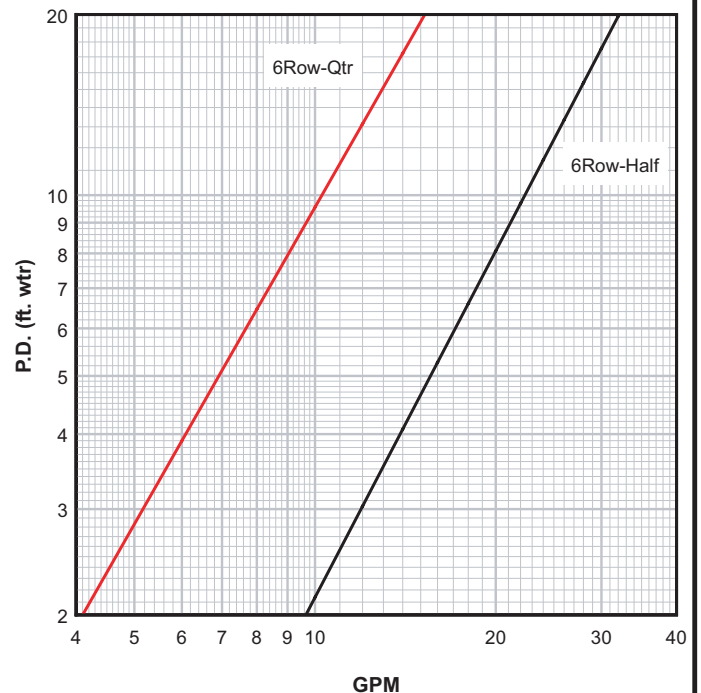
Size 60 2 Row Coil Pressure Drop



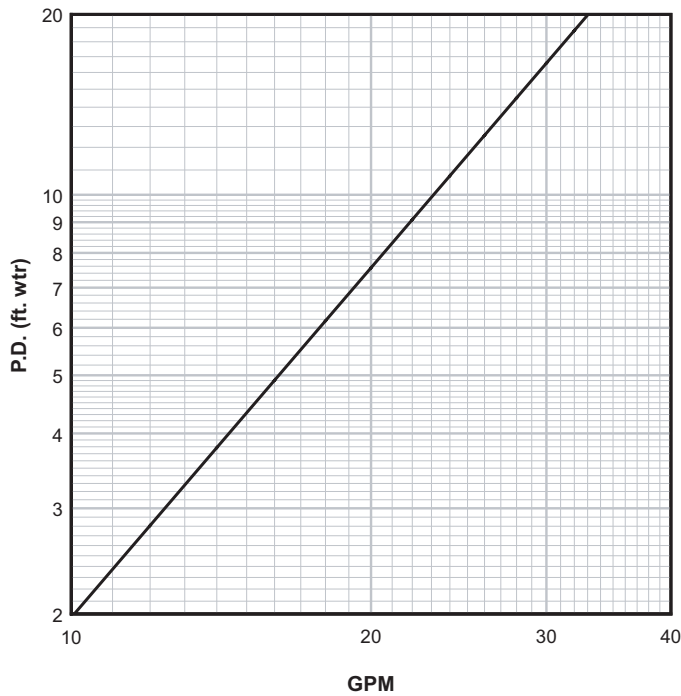
Size 60 4 Row Coil Pressure Drop



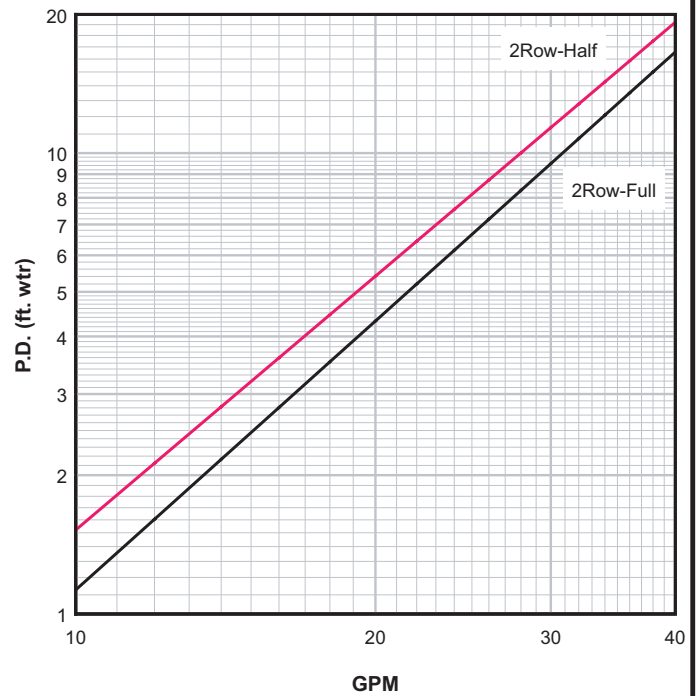
Size 60 6 Row Coil Pressure Drop



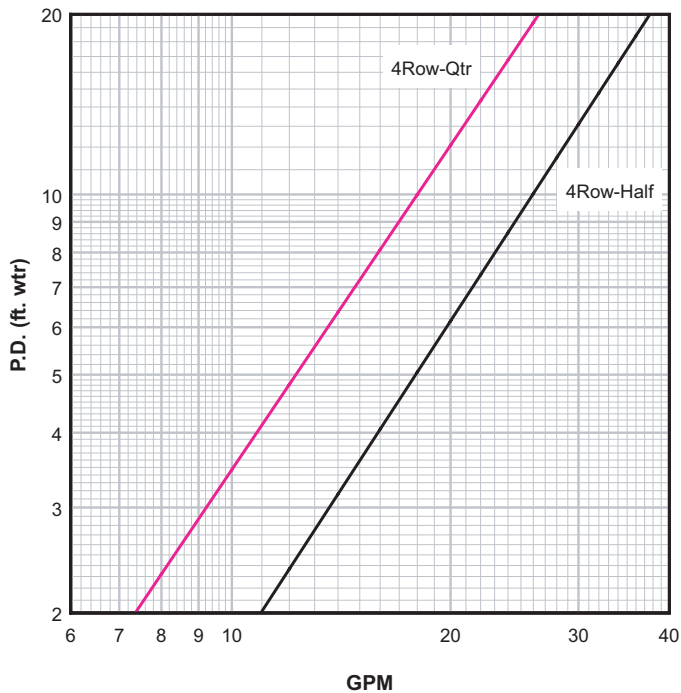
Size 80 1 Row Coil Pressure Drop



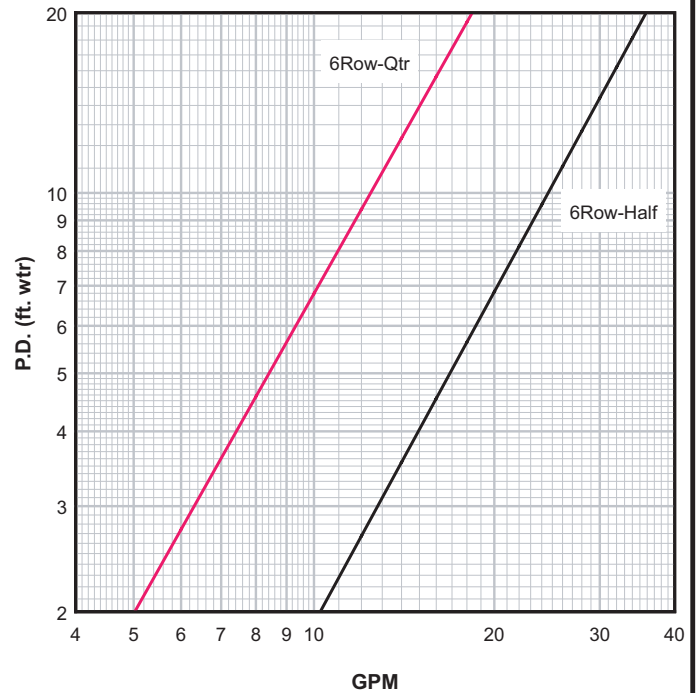
Size 80 2 Row Coil Pressure Drop



Size 80 4 Row Coil Pressure Drop



Size 80 6 Row Coil Pressure Drop



Product Specifications

Horizontal
Chilled Water / Hot Water / DX

ELECTRICAL DATA & WEIGHTS

SINGLE PHASE								THREE PHASE														
Motor Data				Control Box Data			Part Number	Motor Data				Control Box Data			Part Number							
Volt	Phase	HP	FLA	MCA	Fuse/Qty	Part Number	Volt	Phase	HP	FLA	MCA	Fuse/Qty	Part Number									
115	1	1/4	5.8	10	10	1	986FF11M3M	208/230	3	1/3	1.6	3	3	3	986FF33M1M							
		1/3	7.2	15	15	1	986FF11M4M			1/2	2.4	6	6	3	986FF33M2M							
		1/2	9.8	15	15	1				3/4	3.5	6	6	3								
		3/4	13.8	20	20	1	986FF11M5M			1	5.6	10	10	3	986FF33M3M							
		1	16.4	25	25	1	986FF11M6M			1.5	6.6	10	10	3								
		1.5	20.0	25	25	1				2	7.5	15	15	3	986FF33M4M							
		2	24.0	30	30	1	986FF11M7M			3	10.6	15	15	3								
277	1	1/3	3.0	6	6	1	986FF71M2M															
		1/2	4.1	6	6	1																
		3/4	5.7	10	10	1	986FF71M3M	460								3	1/3	0.8	3	3	3	986FF63M1M
		1	6.8	10	10	1											1/2	1.1	3	3	3	
		1.5	8.5	15	15	1	986FF71M4M	3/4	1.6	3	3	3	986FF63M2M									
		2	10.0	15	15	1		1	3.7	6	6	3										
208/230	1	1/4	2.9	6	6	2	986FF31M2M	575	3	1/3	0.9	3	3	3	986FF53M1M							
		1/3	3.6	6	6	2				3/4	1.3	3	3	3								
		1/2	4.9	10	10	2	986FF31M3M															
		3/4	6.9	10	10	2												1	1.7	3	3	3
		1	8.2	15	15	2	986FF31M4M			1.5	2.4	3	3	3								
		1.5	10.0	15	15	2				2	2.7	6	6	3								
		2	12.0	20	20	2	986FF31M5M			3	3.9	6	6	3								
CONTACT FACTORY FOR MOTOR CONTROLS FOR 7-1/2 & 10 HP MOTORS																						

AWHD SERIES WEIGHTS														
MODEL	**BASE UNIT WEIGHTS		COIL WEIGHTS					ACCESSORY WEIGHTS			MOTOR WEIGHTS			
	OPERATING WEIGHT	SHIPPING WEIGHT	COIL (LESS FLUID)	COIL FLUID VOLUME (GALLONS)	FLUID (LBS.)	COIL (OPERATING) WEIGHT	9BDAF_F2/4 FLAT FILTER SECTION	9BDAF_A2/4 ANGULAR FILTER SECTION	9BDAM MIXING BOX	120/208/240/1PH		277/1/60		
										HP	LBS	LBS		
8AHWD	243.0	295.0	1 ROW	5.3	0.24	2.0	7.3	SHIPPING WT	SHIPPING WT	SHIPPING WT	1/4	20.0	N/A	
			2 ROW	10.5	0.48	4.0	14.5	52.0	89.0	98.0	1/3	23.0	23.0	
			4 ROW	21.0	0.96	8.0	29.0	OPERATING WT	OPERATING WT	OPERATING WT	1/2	26.0	26.0	
			6 ROW	31.5	1.44	12.0	43.5	32.0	62.0	78.0	3/4	31.0	34.0	
12AHWD	257.0	320.0	1 ROW	6.0	0.28	2.3	8.3	SHIPPING WT	SHIPPING WT	SHIPPING WT	1	33.0	42.0	
			2 ROW	12.0	0.56	4.7	16.7	56.0	97.0	103.0	1 1/2	42.0	49.0	
			4 ROW	24.0	1.13	9.4	33.4	OPERATING WT	OPERATING WT	OPERATING WT	2	44.0	N/A	
			6 ROW	36.0	1.72	14.4	50.4	36.0	70.0	83.0	208/240/480/3PH			
16AHWD	295.0	361.0	1 ROW	8.3	0.37	3.1	11.4	SHIPPING WT	SHIPPING WT	SHIPPING WT	1/4	22.0	N/A	
			2 ROW	16.5	0.75	6.3	22.8	60.0	123.0	127.0	1/3	22.0		
			4 ROW	33.0	1.50	12.5	45.5	OPERATING WT	OPERATING WT	OPERATING WT	1/2	23.0		
			6 ROW	49.5	2.25	18.8	68.3	49.0	98.0	105.0	3/4	27.0		
20AHWD	332.0	402.0	1 ROW	9.5	0.44	3.7	13.2	SHIPPING WT	SHIPPING WT	SHIPPING WT	1	33.0		
			2 ROW	19.0	0.89	7.4	26.4	67.0	137.0	146.0	1 1/2	33.0		
			4 ROW	38.0	1.78	14.9	52.9	OPERATING WT	OPERATING WT	OPERATING WT	2	41.0		
			6 ROW	57.0	2.67	22.3	79.3	52.0	111.0	121.0	3	58.0		
											5	81.0		
											7 1/2	117.0		
											10	143		
30AHWD	Contact Factory													
40AHWD	Contact Factory													
60AHWD	Contact Factory													
80AHWD	Contact Factory													
**BASE UNIT WEIGHT INCLUDES BLOWER ASSEMBLY, MOTOR SHEAVE, BLOWER PULLEY, BELT AND 2" FILTER														