

DXG SPECIFICATIONS

DXG™ COMPRESSOR UNIT

Unit Model	DXG 240A	DXG 300A	DXG 360A	DXG 420A	DXG 480A	DXG 600A
Nominal	24,000 BTUH	30,000 BTUH	36,000 BTUH	42,000 BTUH	48,000 BTUH	60,000 BTUH
Volts-Cycle	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Circuit Amps (Min.)	20	25	30	35	35	40
Circuit Amp (Max.)	25	30	35	40	40	50
Rated Load Amps	12.9	15.0	18.4	20.4	26.4	32.1
Locked Rotor Amps	62.5	73.0	95.0	109.0	129.0	169.0
Appx. R-22 Charge	14	16	18	20	22	24
Height	28" high	28" high	28" high	28" high	28" high	28" high
Width	23"	23"	23"	23"	23"	23"
Depth	22"	22"	22"	22"	22"	22"
Shipping Weight	140	152	155	163	187	192

SPECIAL FEATURES

- *Scroll Compressor* - Industry leading, highly efficient, Copeland Compliant Scroll Compressor.
- *Service Valves* - Factory installed in suction and discharge lines for quick and easy servicing.
- *Pump Down* - Effectively controls refrigerant flooding and extends compressor lifetime.
- *High Pressure Control* - Safety control which stops unit if high discharge pressure develops.
- *Low Pressure Control* - Control device which stops unit if low suction pressure develops.
- *1" High Density Insulated Cabinet* - Cabinet is fully insulated for maximum thermal, vibration, and sound insulation.

DXG™ AIR HANDLER

Unit Model	TWE030P130A/F (1)	TWE036P130A/F (2)	TWE042P130A/F (3)	TWE048P130A/F (4)	TWE060P130A/F (4)	TWE063P130A/F (4)
Nominal Capacities	24,000 BTUH	30,000 BTUH	36,000 BTUH	42,000 BTUH	48,000 BTUH	60,000 BTUH
Blower H.P. 240v	1/3	1/3	1/2	1/2	1/2	3/4
Minimum Cir. Ampacity 240v	53	53	50/30	50/30	50/50	50/50
Max. Overload Protection 240v	60	60	60/30	60/30	60/60	60/60
Electric Heat KW	9.6	9.6	15.36	15.36	19.20	21.12
Fan Speeds	3	3	3	3	3	3
Height Dimensions	43"	43"	51 3/4"	57 7/8"	57 7/8"	62 3/4"
Width Dimensions	21 1/2"	21 1/2"	26"	26"	26"	26"
Depth Dimensions	21"	21"	21"	21"	21"	21"
Supply Dimensions	12" x 19 3/8"	12" x 19 3/8"	12" x 23 7/8"	12" x 23 7/8"	12" x 23 7/8"	12" x 23 7/8"
Return Dimensions	19 3/8" x 20 1/4"	19 3/8" x 20 1/4"	19 3/8" x 22 1/4"	19 3/8" x 24 3/4"	19 3/8" x 24 3/4"	19 3/8" x 24 3/4"
Shipping Weight	121 lbs.	121 lbs.	165 lbs.	188 lbs.	188 lbs.	211 lbs.
Net Weight	111 lbs.	111 lbs.	150 lbs.	173 lbs.	173 lbs.	196 lbs.

SPECIAL FEATURES

- *Multiposition Coil* - can be mounted in upflow, downflow, horizontal left, or horizontal right position.
- *Thermal Expansion Valve* - for precise metering of refrigerant flow.
- *Completely Factory Assembled* - including coil, condensate drain pan, fan, heater, filters and controls in insulated cabinet.
- *Coil* - aluminum fin surface is mechanically bonded to 3/8 inch OD copper tubing. All coils are factory tested and leak checked.
- *Fan* - blower fan housing is forward curved dynamically balanced with a 3 speed direct drive fan motor.

1. May use a TWE031E "Variable Speed" air handler.
2. May use a TWE037E "Variable Speed" air handler.
3. May use a TWE040E "Variable Speed" air handler.
4. May use a TWE065E "Variable Speed" air handler.

5. **DXG™ HORIZONTAL GROUND COIL**

Unit Model	24GT12	30GT15	36GT18	42GT21	48GT24	60GT30
# of Tubes	12	15	18	21	24	30
Pit Dimensions	24' x 55'	28' x 60'	32' x 63'	36' x 67'	40' x 70'	40' x 70'
Sq. Ft. Required	1320	1680	2016	2412	2800	2800
Powdered Stone	30 tons	40 tons	50 tons	60 tons	70 tons	70 tons

SPECIAL FEATURES

- *Rugged 1/4" copper* - 100' long and all seamless to help eliminate any risk of leaks.
- *Brass Distributors* on liquid and vapor lines to ensure proper refrigerant distribution to all lines equally.
- *Copper Stubs* - brazed to distributors for easy field connections, factory tested and leak checked.
- *Simple layout* - for trouble free installation.
- *Lifetime Limited Warranty.*
- *Head Pressure Control System* - to aide in soil compaction & maintain efficiency during the summer.
- *Vapor Line Trap* - built into vapor side brass distributor to insure oil return to the compressor.
- *Heat Pacer* - for adjusting superheat of the ground coil in the heating mode.

DXG™ REQUIRED COPPER LINE SIZES

Unit Size in Tons	2 Ton	2.5 Ton	3 Ton	3.5 Ton	4 Ton	5 Ton
Suction Line Distributor to Heat Valve	7/8"	7/8"	7/8"	7/8"	7/8"	1 1/8"
Liquid Line Distributor to Heat Valve	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
Suction Line Heat Valve to Compressor	3/4"	7/8"	7/8"	7/8"	7/8"	1 1/8"
Liquid Line Heat Valve to Compressor	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
Suction Line Compressor to Air Handler	3/4"	3/4"	7/8"	7/8"	7/8"	1 1/8"
Liquid Line Compressor to Air Handler	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"

MAXIMUM DISTANCES

Line Set Distances - may be a maximum of 50 feet from the heat pacer to the compressor with no more than a 20 foot maximum vertical rise.

Line Set Distances - should not exceed 50 feet from the compressor to the air handler with no more than a 20 foot vertical rise.

Extended distances are possible with written factory approval. (Call us!)

DXG™ DESUPERHEATER

MODEL NO.	HEIGHT	WIDTH	DEPTH	REFRIGERANT CONNECTIONS	WATER CONNECTION	SHIPPING WEIGHT
DS06	17 1/2"	11"	7"	1/2" OD	5/8" OD	25 LBS.

SPECIAL FEATURES

- *Double wall, convoluted copper water tube - vinyl coated steel refrigerant shell.*
- *Maintenance free high efficiency recirculating pump.*
- *Wall or pad mounting angles factory installed.*
- *Insulated in high efficiency molded foam.*
- *Heat actuated water flow valve restricts the flow of water through the heat exchanger until heated to the temperature setting.*
- *Temperature control switch to limit maximum temperature in hot water tank top pre-determined setting.*

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