

# Ultra Side Discharge Heat Pump

Up to 20 SEER Inverter Single-Zone Heat Pump



# Ultra Side Discharge Heat Pump

20 SEER inverter split system, high efficiency heat pumps, are the perfect solution for residential new construction and replacement, office buildings, supermarkets, hotels, restaurants etc.

- Fully inverter driven high efficiency system capable of up to 20 SEER.
- Adopts hot gas injection, double compression technology for heating capacity down to -22F.
- Uses standard 24V heat pump thermostat.
- Variable speed outdoor fan for low temperature cooling requirement.



## Outdoor Unit Features & Benefits



### SELF-DIAGNOSTICS

The system has a built-in processing which uses real-time diagnostics to help prolong the unit's life. The automatic diagnostics feature continuously scans for errors or malfunctions and fault codes are shown on the unit display to facilitate troubleshooting and repair.



### COMPREHENSIVE PROTECTION

Built in power monitoring for unparalleled system protection.



### EXTERNAL HIGH STATIC PRESSURE

Provides greater flexibility in laying out new ductwork and greater versatility in retrofitting to existing ductwork systems.



### WIDE TEMPERATURE OPERATING RANGE

- Cooling from 5F - 130F
- Heating from -22F - 75F
- Unparalleled low ambient heating.



### ULTRA HEATING AND COOLING

Proven performance based on years of inverter technological advancements. Low ambient heating down to -22F, and ultra cooling at 130F.



### INTELLIGENT DEFROST

Saves energy by defrosting only when needed, the unit monitors the frost build up on the coil surface.



### ENERGY SAVING FUNCTION

On-board dip switch allows setting system to maximum energy saving mode.



### RIFLED COPPER TUBING

Improves refrigerant flow characteristics dramatically improving heat exchange capabilities.

## Indoor Unit Features & Benefits

- **SYSTEM OPTIONS**

2/3 Ton and 4/5 Ton multi-position air handlers allow easy retrofit and capacity for whole home heating and cooling. Capacities are selectable by dip switch.

- **BUILT IN ISOLATION AND SERVICE VALVES**

Allows for easy service and troubleshooting from the indoor unit.

- Variable speed ECM blower
- Epoxy resin aluminum fin and copper tube coil
- Electric heat kits available in various kW ratings
- 24V thermostat compatible
- Regular thermostat wire; no special control wire needed



## Agency Listings

All systems are listed with AHRI (Air Conditioning, Heating, and Refrigeration Institute) and are ETL Certified per UL Standards.

## 10 Year Parts and Compressor Warranty

Out-of-the-box, transferrable, residential and commercial, 10 year parts and compressor warranty with no product registration requirement.



Outdoor Model			GXH24MSK4DH	GXH36MSK4DH	GXH48MSK4DH	GXH60MSK4DH
Capacity Range	Ton		2	3	4	5
Capacity	Cooling	Btu/h	24,000	36,000	48,000	54,000
	Heating	Btu/h	24,000	36,000	48,000	54,000
Power Supply	Ph/V/Hz		1/208-230/60			
MCA	A		24		31	
MOCP	A		30		45	
SEER			20	18		17.0
EER			12.5	11.0		10.5
HSPF			10.5	10.0	10.5	10.0
Refrigerant Charge	lbs (kg)		9.3 (4.2)		13.8 (6.3)	
Sound Pressure Level	dB(A)		55	57	58	
Connecting Pipe	Liquid	inch (mm)	3/8 (9.53)			
	Gas	inch (mm)	3/4 (19.05)			
Maximum Piping Length	ft (m)		98.4 (30.0)			
Maximum Piping Height	ft (m)		49.2 (15.0)			
No Additional Refrigerant Charge Length	ft (m)		31 (9.4)			
Dimension (WxDxH)	Outline	inch (mm)	37 x 18-1/8 x 32-5/16 (940 x 460 x 821)		39-3/8 x 14-9/16 x 53-3/4 (1000 x 370 x 1365)	
	Package	inch (mm)	42-11/16 x 22-9/16 x 38-5/16 (1084 x 573 x 973)		45-3/8 x 19-7/16 x 59-1/4 (1153 x 494 x 1505)	
Net Weight/Gross Weight	lbs (kg)		217/240 (98/109)		309/337 (140/153)	
Temperature Operation Range for Cooling °F (°C)			5~130 (-15~54)			
Temperature Operation Range for Heating °F (°C)			-22~75.2 (-30~24)			

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	Heating	Btu/h	24,000	36,000	48,000	54,000
Power Supply	Ph/V/Hz		1/208-230/60			
Power Consumption	W		250	350	500	600
MCA (Without Heat Kit)	A		5			
MOCP (Without Heat Kit)	A		15			
Airflow Volume	CFM Maximum		1083	1330	1736	1913
	CFM Minimum		447	589	824	1089
ESP	In.W.G Maximum		0.4			
	In.W.G Minimum		0.0			
Sound Pressure Level	dB(A)		55		58	
Connecting Pipe	Liquid	inch (mm)	3/8 (9.53)			
	Gas	inch (mm)	3/4 (19.05)			
Dimension (WxDxH)	Outline	inch (mm)	21-1/4 x 21-1/4 x 48-3/16 (540 x 540 x 1224)		24-13/16 x 21-1/4 x 57 (630 x 540 x 1448)	
	Package	inch (mm)	26 x 23-3/4 x 50-3/8 (660 x 603 x 1280)		27-5/16 x 26 x 59-3/8 (694 x 660 x 1508)	
Net Weight/Gross Weight	lbs (kg)		157/170 (71/77)		203/218 (92/99)	

Note: Minor changes to final specifications may develop. Please confirm the final specifications with sales representatives.



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