



# DXLC SERIES

SINGLE ZONE  
LIGHT COMMERCIAL  
HEAT PUMP SYSTEMS



## DXLC Series Technical Specifications

Model		DXLC-0923-1Z	DXLC-1223-1Z	DXLC-1823-1Z	DXLC-2423-1Z	
<b>Power Supply (Outdoor)</b>		V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
<b>Power Supply</b>	<b>Voltage Range</b>	<b>V</b>	187-253	187-253	187-253	187-253
	<b>Capacity (Range)</b>	<b>Btu/hr</b>	9000 (2220~11600)	11500 (2100~13450)	17000 (5800~18000)	23000 (6100~28200)
	<b>Input</b>	<b>W</b>	720 (195~1002)	983 (197~1250)	1360 (240~1455)	1840 (290~2680)
<b>Cooling (Standard Conditions)</b>	<b>Current</b>	<b>A</b>	4.8 (1.76~4.47)	4.39 (1.78~5.72)	6.17 (1.80~6.17)	8.5 (2.1~11.8)
	<b>Capacity (Range)</b>	<b>Btu/hr</b>	10000 (2240~13350)	12000 (1900~15000)	20000 (5000~20000)	25000 (11700~33000)
	<b>Input</b>	<b>W</b>	810 (178~1163)	1000 (200~1300)	1880 (300~1880)	2030 (650~2660)
<b>Heating (Standard Conditions)</b>	<b>Current</b>	<b>A</b>	3.7 (1.64~5.17)	4.78 (1.84~5.95)	7.90 (2.20~7.90)	9.3 (4.4~11.7)
	<b>Cop</b>	<b>W/W</b>	3.62	3.52	3.12	3.61
	<b>Rated Capacity</b>	<b>Btu/hr</b>	12500 / 10000	12500 / 10400	19000 / 16500	27197 / 22500
<b>Cooling at 5°F (-15°C) / 109°F (43°C)</b>	<b>Rated Capacity</b>	<b>Btu/hr</b>	10000	11900	18500	25000
<b>Cooling(B2)</b>	<b>Rated Capacity</b>	<b>Btu/hr</b>	10200 / 5930 / 3900	10100 / 6100 / 6200	14100 / 9000 / 6500	18885 / 14000 / 10500
<b>Heating at 17°F (-8.33°C) / -4°F (-20°C) / -13°F (-25°C)</b>	<b>Cop</b>	<b>W/W</b>	2.4 / 1.7 / 1.15	2.4 / 1.7 / 1.15	2.4 / 1.95 / 1.75	2.4 / 1.89 / 1.51
<b>Minimum Circuit Ampacity(Outdoor)</b>		<b>A</b>	13	13	19	22
<b>Max. Fuse (Outdoor)</b>		<b>A</b>	15	15	30	30
<b>Compressor</b>	<b>Model</b>		KSK103D33UEZ3	KSK103D33UEZ3	KSN140D58UFZ	KTM240D43UKT
	<b>Type</b>		ROTARY	ROTARY	ROTARY	Twin-ROTARY
	<b>Brand</b>		GMCC	GMCC	GMCC	GMCC
	<b>Capacity</b>	<b>W</b>	3255	3255	4315	7600
	<b>Input</b>	<b>W</b>	826	826	1090	2045
	<b>Rated Current(RLA)</b>	<b>A</b>	6.4	6.4	12	15.4
	<b>Refrigerant Oil / Oil Charge</b>	<b>ml</b>	ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 440	ESTER OIL VG74 620
<b>Condenser Fan Motor</b>	<b>Model</b>		ZKFN-34-10-1	ZKFN-34-10-1	ZKFN-80-8-3	ZKFN-120-8-2
	<b>Qty</b>		1	1	1	1
	<b>Input</b>	<b>W</b>				150
	<b>Output</b>	<b>W</b>	34.0	34.0	80.0	120
	<b>RLA</b>	<b>A</b>	0.4	0.4	0.76	0.5
	<b>Speed</b>	<b>r/min</b>	800 / 600	800 / 600	810 / 720	900 / 810 / 450 / 360
<b>Outdoor Air Flow</b>		<b>m3/h</b>	2200	2200	3500	3800
<b>Outdoor Air Flow</b>		<b>CFM</b>	1294.12	1294.12	2058.82	2235.29
<b>Outdoor Noise Level</b>		<b>dB(A)</b>	55	53.5	60	59
<b>Throttle Type</b>			EXV	EXV	EXV+Throttle valve	EXV+Throttle valve
<b>Outdoor Unit</b>	<b>Dimension (WxDxH)</b>	<b>mm</b>	765 x 303 x 555	765 x 303 x 555	890 x 342 x 673	946 x 410 x 810
	<b>Dimension (WxDxH)</b>	<b>inch</b>	30.12 x 11.93 x 21.85	30.12 x 11.93 x 21.85	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89
	<b>Packing (WxDxH)</b>	<b>mm</b>	887 x 337 x 610	887 x 337 x 610	995 x 398 x 740	1090 x 500 x 885
	<b>Packing (WxDxH)</b>	<b>inch</b>	34.92 x 13.27 x 24.02	34.92 x 13.27 x 24.02	39.17 x 15.67 x 29.13	42.91 x 19.69 x 34.84
	<b>Net/Gross Weight</b>	<b>kg</b>	28.9 / 31.3	28.9 / 31.3	42.8 / 45.8	56.6 / 61.2
	<b>Net/Gross Weight</b>	<b>lb</b>	63.71 / 69.00	63.71 / 69.00	94.36 / 100.97	124.78 / 134.92
<b>Refrigerant Type</b>			R410A	R410A	R410A	R410A
<b>Refrigerant Precharge</b>		<b>ft/m</b>	25 / 7.5	25 / 7.5	25 / 7.5	25 / 7.5
<b>Refrigerant Charge</b>		<b>oz/kg</b>	38 / 1.08	38 / 1.08	56.44 / 1.6	82.89 / 2.35
<b>Additional Charge</b>		<b>oz/ft / g/m</b>	0.16 / 15	0.16 / 15	0.16 / 15	0.32 / 30
<b>Design Pressure</b>		<b>PSIG</b>	550 / 340	550 / 340	550 / 340	550 / 340
<b>Refrigerant Piping</b>	<b>Liquid Side / Gas Side</b>	<b>mm</b>	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	9.52 / 15.9
		<b>inch</b>	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
	<b>Max. Refrigerant Pipe Length</b>	<b>ft/m</b>	82.02 / 25	82.02 / 25	98.42 / 30	164.04 / 50
	<b>Max. Difference In Level</b>	<b>ft/m</b>	32.81 / 10	32.81 / 10	65.62 / 20	82.02 / 25
<b>Room Temperature</b>	<b>Indoor (Cooling)</b>	<b>°F/°C</b>	62~90 / 17~32	62~90 / 17~32	62~90 / 17~32	62~90 / 17~32
	<b>Indoor (Heating)</b>	<b>°F/°C</b>	32~86 / 0~30	32~86 / 0~30	32~86 / 0~30	32~86 / 0~30
	<b>Outdoor (Cooling)</b>	<b>°F/°C</b>	-13~122 / -25~50	-13~122 / -25~50	-13~122 / -25~50	-13~122 / -25~50
	<b>Outdoor (Heating)</b>	<b>°F/°C</b>	-13~75 / -25~24	-13~75 / -25~24	-13~75 / -25~24	-13~75 / -25~24
<b>Connection Wiring</b>			14AWG*4	14AWG*4	14AWG*4	14AWG*4

### Features:

- Ducted and duct-free indoor options
- Variable speed compressor
- High-efficiency ECM fan motor
- Factory-installed base pan heater
- Factory-installed crankcase heater
- Low voltage controls
- Auto-restart function
- Condenser high-temperature protection
- Quiet operation
- Anti-corrosive GoldFin nano-coating

