

Platinum Series Packaged Inverter Heat Pump • Up to 17 SEER2



MAINLINE®

Reliably Comfortable.®

Product Specifications

The Mainline Platinum Series packaged heat pump is an inverter driven, high efficiency, packaged heating & cooling system suitable for rooftop, or ground level installation. Features field selectable capacity – The TK-H05 model is 4 or 5 ton capacity, while the TK-H03TCNaA-TU is 2 or 3 ton capacity. These units include a communicating thermostat, or are compatible with standard 24 volt thermostats. 208/230 volt, single phase only.



FEATURES

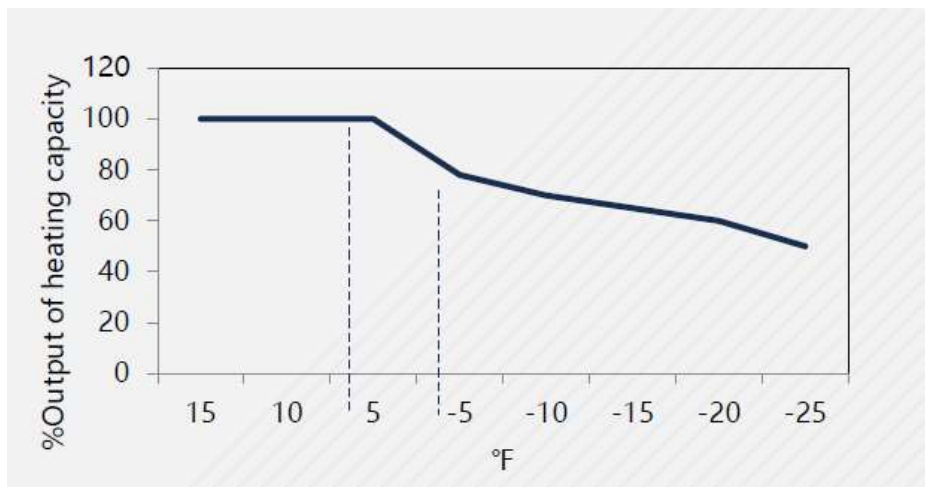
- Low ambient heating operation to -22°F
- Downflow, or horizontal discharge airflow
- R-410A Refrigerant
- Base pan heater
- High & low pressure protection
- Intelligent defrost eliminates unnecessary defrost cycles & prevents cold airflow at startup
- Optional electric heater kits available
- Diagnostic troubleshooting
- Field selectable airflow levels
- Precision electronic expansion valve
- Optional centralized control, and/or BMS capability
- Inverter compressor for ultimate comfort & efficiency

Available 208/230 Volt Models

TK-H03TCNaA-TU
TK-H05TCNaA-TU

Available Electric Heater Kit Model 208/230-1 Phase

320004060202	LYQ-08-A	5KW – 208/230-1
320004060200	LYQ-08-C	10KW – 208/230-1
320004060201	LYQ-08-D	15KW – 208/230-1
320004060204	LYQ-08-E	20KW – 208/230-1



Communicating Thermostat (Included)



Optional 24 Volt Thermostat

Warranty

See warranty information for more details.

All dimensions listed are nominal. MAINLINE® reserves the right to make product and material changes at any time without notice.



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TECHNICAL SPECIFICATIONS

Model	Nominal BTUH*	Clg. Cap. BTUH *	Htg. Cap. BTUH *
TK-H03TCNaA-TU	36,000 OR 24,000	24,000 OR 34,400	24,000 OR 36,000
TK-H05TCNaA-TU	48,000 OR 60,000	48,000 OR 57,000	48,000 OR 57,000

* Field selectable

ELECTRICAL SPECIFICATIONS

Model	MOP	MCA	Weight
TK-H03TCNaA-TU	40	35	523 Lbs.
TK-H05TCNaA-TU	45	40	590 Lbs.

Indoor Model	No heat Kit		5kw Heat Kit		10kw Heat Kit		15kw Heat Kit		20kw Heat Kit	
	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA
TK-H03TCNaA-TU	40	35	70	60	100	85	100	85	100	85
TK-H05TCNaA-TU	45	40	75	65	100	90	120	135	145	165

AHRI Number	Brand	Model	SEER2	EER2	HSPF2	Clg. Cap.	Htg. Cap.
213386671	TOSOT	TK-H03TCNaA-TU *	17.8	11.0	8.3	24,000	24,000
213386670	TOSOT	TK-H03TCNaA-TU **	17.8	11.0	8.5	34,400	36,000
213386669	TOSOT	TK-H05TCNaA-TU ***	17.8	11.0	8.8	47,000	47,000
213307926	TOSOT	TK-H05TCNaA-TU ****	17.0	10.6	8.8	56,000	57,000

* Field configured as 2 ton ** Field configured as 3 ton *** Field configured as 4 ton **** Field configured as 5 ton

SEER2=Seasonal Energy Efficiency Ratio – M1 Compliant
 EER2=Energy Efficiency Ratio – M1 Compliant
 HSPF2=Heating Season Performance Factor – M1 Compliant
 COP=Coefficient of Performance
 MOP = Maximum Overcurrent Protection
 MCA = Minimum Circuit Ampacity



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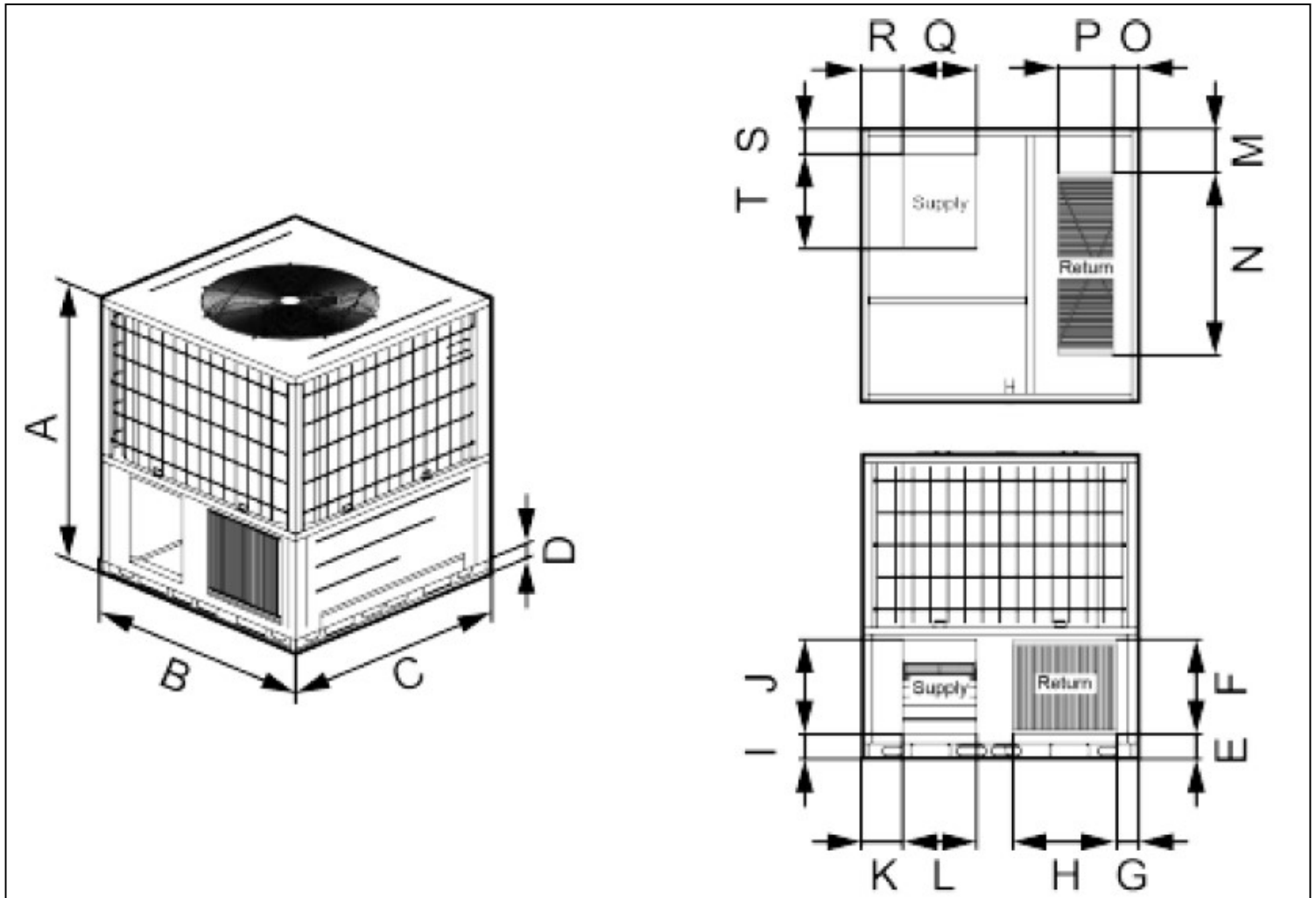
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Dimension	A		B		C		D	
TK-H03TCNaA-TU	49-1/4 (1250)		44 (1120)		35-7/16 (900)		2-1/2 (65)	
	Side air vents							
	E	size of air return		G	I	size of air supply		K
		F	H			J	L	
	4-7/16 (113)	17-8/16 (445)	16-9/16 (420)	3-7/16 (87)	3-15/16 (101)	15-6/16 (390)	11-13/16 (300)	6-3/16 (157)
	Bottom air vents							
	M	size of air return		O	R	size of air supply		S
N		P	Q			T		
5-14/16 (149)	23-1/16 (586)	8-10/16 (219)	3-11/16 (93)	6-3/16 (156)	11-14/16 (302)	13-12/16 (350)	3-10/16 (92)	

Dimension	A		B		C		D	
TK-H05TCNaA-TU	49-1/4 (1250)		44 (1120)		44 (1120)		2-1/2 (65)	
	Side air vents							
	E	size of air return		G	I	size of air supply		K
		F	H			J	L	
	4 (101)	15-3/8 (390)	16-1/2 (420)	3-3/8 (87)	4 (101)	15-3/8 (390)	11-3/4 (300)	6-1/2 (166)
	Bottom air vents							
	M	size of air return		O	R	size of air supply		S
N		P	Q			T		
7-7/8 (199)	28 (711)	9 (228)	3-3/4 (96)	6-1/2 (166)	11-3/4 (300)	15-3/8 (390)	4 (103)	



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