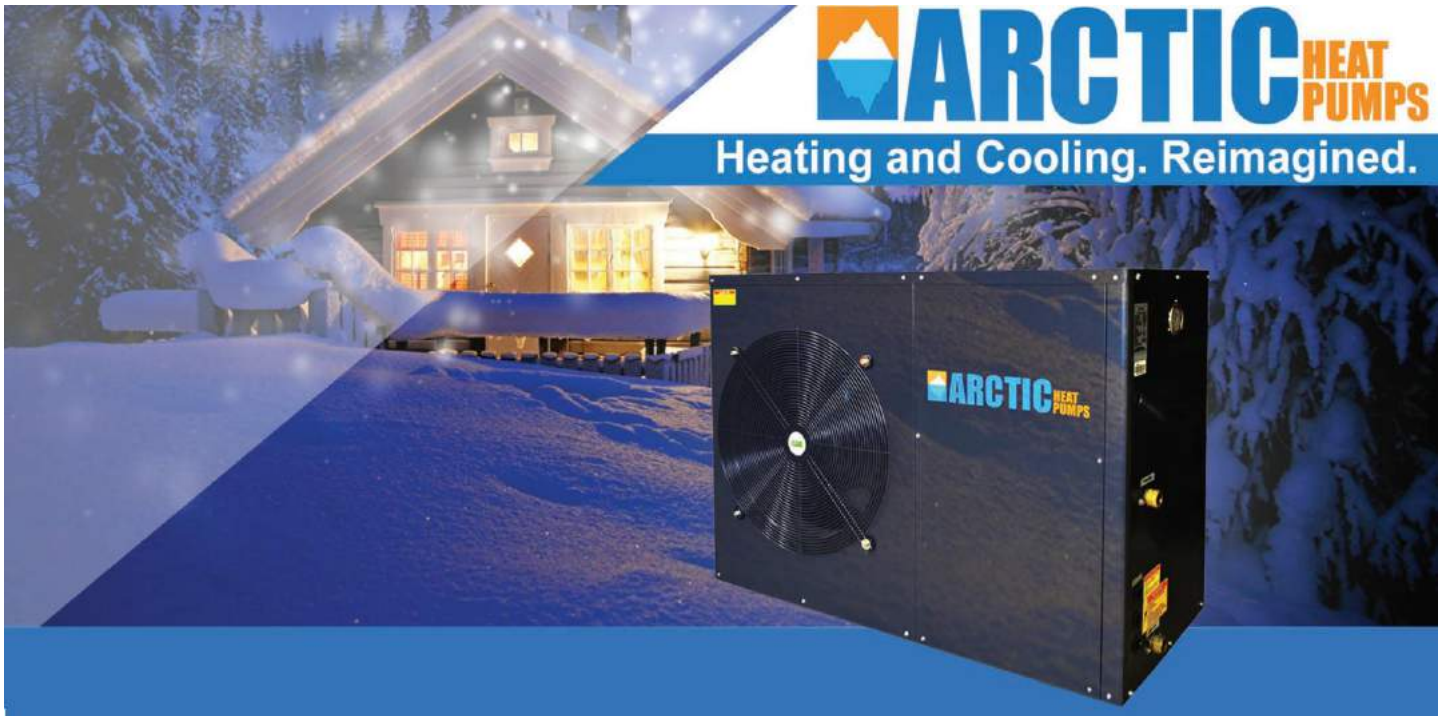


ARCTIC-HP-050ZA/BE

Cold Climate Air-Source Hydronic Heatpumps

ENGINEERING
SUBMITTAL SHEET



Standard features

- Air-source hydronic heatpump with EVI (Enhanced Vapor Injection) DC variable speed compressor
- Packaged mono-block design
- R410a refrigerant
- No refrigeration lines required
- Panasonic EVI DC Inverter Compressor
- Ability to operate as low as -22 °F (-30 °C)
- Reversible operation for heating and chilling
- Automatic integration of backup/emergency heat
- Intelligent defrost based on ambient temperature
- Ultra-quiet axial fans
- Evaporator and condenser fins epoxy coated for a high degree of corrosion resistance
- Wi-Fi enabled for full remote control and adjustability
- TUV certified for USA and Canada



Performance Specification			
Cooling capacity	Ambient DB	BTUH / kW	35,826 / 10.5
Power input	95.0 °F (35 °C)	kW	4.2
Current draw	LWT/supply	A	18.9
COP	44.6 °F (7 °C)	W/W	2.5
Cooling capacity	Ambient DB	BTUH / kW	50,156 / 14.7
Power input	82.2 °F (28 °C)	kW	4.7
Current draw	LWT/supply	A	21.5
COP	53.6 °F (12 °C)	W/W	3.1
Heating capacity	Ambient DB	BTUH / kW	47,768 / 14.0
Power input	44.6 °F (7 °C)	kW	4.4
Current draw	LWT/supply	A	20.0
COP	113 °F (45 °C)	W/W	3.2
Heating capacity	Ambient DB	BTUH / kW	39,238 / 11.5
Power input	19.4 °F (-7 °C)	kW	3.7
Current draw	LWT/supply	A	16.7
COP	113 °F (45 °C)	W/W	3.1
Heating capacity	Ambient DB	BTUH / kW	28,320 / 8.3
Power input	-4 °F (-20 °C)	kW	4.7
Current draw	LWT/Supply	A	21.3
COP	113 °F (45 °C)	W/W	1.8

Performance Specification		
Power supply	V / PH / Hz	220-240VAC 1 PH / 60 Hz
Max. current	A	28
Breaker size	A	40
Refrigerant		R410A
Water connections	Inch	1"
Water flow rate	GPM	11.0
Water pressure drop	ft head	14.7
Dimensions (L x D x H)	Inch	39.37/17.32/54.33
	mm	1000 / 440 / 1380
Unit weight	Lbs. / kg	282 / 128
Sound level	dB(A)	55
IP Rating		IPX4
<i>Arctic Heatpumps reserves the right to make changes without notice due to continuing engineering and technological advances.</i>		
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