

SPECIFICATIONS

MODEL		035ZA/ BE-R32	050ZA/ BE-R32	060ZA/ BE-R32
Power Supply	V/P/Hz	220-240/1/60		
Maximum Water Temperature	C/F	50/122		
Minimum Water Temperature	C/F	5/41		
Ambient Temp Low Limit	C/F	-35/-31		
Ambient Temp High Limit	C/F	43/109		
Rated Heating Capacity	KW/BTU	10/34121	15/51182	18/61418
Heating Power Input	Ambient Temp 8.33 C Water Outlet 40.56 C KW	2.7	4.05	4.86
Heating Current Input	A	11.7	17.6	21.1
COP	COP	3.7	3.7	3.7
Rated Heating Capacity	KW/BTU	7/23884	11/37533	13/44357
Heating Power Input	Ambient Temp -8.33 C Water Outlet 40.56 C KW	2.5	.93	4.64
Heating Current Input	A	10/9	17.1	20.2
COP	COP	2.8	2.8	2.8
Rated Heating Capacity	KW/BTU	6/20472	10/34121	12/40945
Heating Power Input	Ambient Temp -20 C Water Outlet 40.56 C KW	2.95	5.13	6.32
Heating Current Input	A	13	21.6	26.5
COP	COP	2	1.9	1.9
Rated Heating Capacity	KW/BTU	71/24226	10.5/35827	12.1/41628
Heating Power Input	Ambient Temp 35 C Water Outlet 6.67 C KW	3.2	4.16	4.97
Heating Current Input	A	13.9	18.1	21.6
COP	COP	2.2	2.5	2.5
Total Load	AMPS	23.1	34.1	36.7
Breaker Sizing	AMPS	30	45	50
Nominal Water Flow Volume	GPM/m3/h	7.57/1.72	11.36/2.58	13.65/3.1
Water Side Pressure Drop	Ft of Head/kPa	13.39/40	16.73/50	26.77/80
Water Inlet/Outlet	Inch	1"		
COMPRESSOR	Type	Twin-Rotary		
	Speed Range	30-100		
	Brand	Panasonic		
Refrigerant		R32		
Refrigerant Amount	oz/kg	52.91/1.5	70.55/2.0	70.55/2.0
Sound Level	dB(A)	53	54	55
IP Rating		IPX4		
New Weight		84/185	117/258	119/262
Unit Dimensions	mm	1020/440/880	1000/440/1395	
Unit Dimensions	Inch	40.2/17.3/34.6	39.4/17.3/54.9	

CONTACT

-  ARCTICHEATPUMPS.COM
-  1-800-317-9054
-  SALES@ARCTICHEATPUMPS.COM
-  831 KOPELUS DR, WEST ST. PAUL, MB, CANADA

ARCTIC HEAT PUMPS



EVI R32 AIR-TO-WATER HEAT PUMP

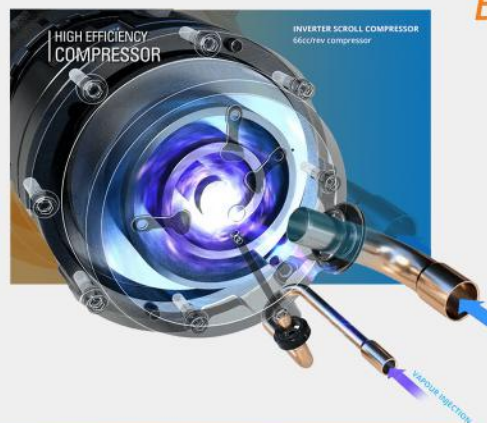
AVAILABLE IN 3 MODELS

- 035ZA/BE-R32** — 30000 BTU —
- 050ZA/BE-R32** — 48000 BTU —
- 060ZA/BE-R32** — 60000 BTU —



WHY EVI?

ENHANCED VAPOR INJECTION



EVI technology extracts more heat at colder outdoor temperatures (-35C / -31 F) and produces better efficiency across the heating season.

The EVI technology **increases performance efficiency by 27-30%**

INTEGRATES WITH MULTIPLE DISTRIBUTION SOURCES

HEATING SOURCES

- Radiant floor heating and cooling
- Central air handlers for forced air
- Fan coils for zoned heating and cooling



ARCTIC AIR HANDLER

ARCTIC ULTRA THIN HYDRONIC FAN COIL

RADIANT FLOOR SYSTEMS

COLD CLIMATE TESTED

Arctic is based in Winnipeg, and our air-to-water units are the primary heating devices for many buildings across the Canadian prairies up into Alaska and Yukon.

Arctic can deliver water temperatures up to 60C / 140F

MODEL DIMENSIONS



035ZA/BE-R32



050ZA/BE-R32



060ZA/BE-R32



DC INVERTER ENERGY SAVINGS

There is no starting capacitor required. The unit can soft start, stop, and adjust its speed to accommodate conditions.

FEATURES



Intelligent Defrosting

Defrost system adjusts automatically based on outdoor and coil temperatures. It reduces unnecessary defrosting, shortens defrost time, and extends heating cycles. This improves efficiency, restoring water temperature quickly



Touch Screen WiFi

The color LCD controller gives you full control of your heating or cooling environment. Outdoor reset compatible for automatic output temperature adjustment. With full Wi-Fi access you can make changes and check the system status from anywhere.



Environment Efficient R32

We are North America's leading brand of hydronic heat pumps, owning the most energy efficient heat pump and the most environmentally efficient, with new R32 refrigerant. R32 has lower GWP than R410a, while delivering 10% more performance, including temperatures of 60 C (140 F).

100 Year Global Warming Potential of Different Refrigerants*



Blue Fin Technology

Used to resist salt water corrosion for coastal communities. Arctic's evaporator coil and condenser fins are flexible, resistant to impact and exhibit outstanding electrical insulation and temperature tolerance. Also, excellent weather-resistivity, protecting fins from humidity in hot/salty environments, preventing corrosion. Also, prevents water from collecting on the fins, maintaining a free flow of air through the unit, prolonging its life.

