

POLARIS

INVERTER

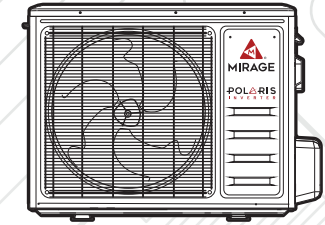


UP TO
20
SEER





POLARIS INVERTER



		SEER ²	IPWH090C OPWH090C	IPWH120C OPWH120C	IPWH121C OPWH120C	IPWH181C OPWH181C	IPWH241C OPWH241C	IPWH361C OPWH361C
Type			cooling&heating	cooling&heating	cooling&heating	cooling&heating	cooling&heating	cooling&heating
Control Type			remote	remote	remote	remote	remote	remote
Power Supply			115V~/60Hz/1P	115V~/60Hz/1P	208-230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Rated Cooling (95°F/35°C)	Rated cooling capacity (95°F)	Btu/h	9000	12000	18000	24000	36000	36000
	EER ² (95°F)	Btu/W.h	11.7	11.0	11.7	11.0	11.0	9.0
	SEER ²	Btu/W.h	19.0	21.0	21.0	21.0	21.0	19.0
Rated Heating	Rated Heating capacity(47°F)	Btu/h	10000	12600	12600	19000	24600	36000
	HSPF ² Rating (Region IV)	Btu/W.h	9.5	9.5	9.5	9.5	9.5	9
	COP ² (47F/8.3C)	W/W	3.81	3.41	3.41	3.41	3.41	3.15
Rated Input Consumption	Cooling	W	750	1050	1050	1700	2080	3850
	Heating	W	750	1030	1030	1530	1800	3350
Rated Current	Cooling	A	6.8	9.5	4.8	7.7	9.4	17.4
	Heating	A	6.8	9.3	4.7	6.9	8.2	15.2
	Min. Circuit Ampacity	A	16	18	11	12	17	18
Max Fuse		A	25	30	15	20	25	30
Moisture removal		Liters/h	1.1	1.6	1.6	2.2	2.6	3
Max Allowed Pressure		PSI	750	750	750	750	750	750
Indoor Noise Level at Cooling	Turbo/High/Med/Low/Mute		42/40/35/30/28	45/42/35/30/28	45/42/35/30/28	49/47/42/37/32	52/50/44/38/36	52/49/43/38/36
Outdoor Noise Level		dB(A)	54	55	55	55	58	63
Connecting Pipe	Gas	inches	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"
	Liquid	inches	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Connecting Wiring	Size x Core number		4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG
Suitable area		sq.ft	Up to 400	Up to 550	Up to 550	Up to 1000	Up to 1500	Up to 2500
Indoor Motor	Motor Brand		Weilling	Weilling	Weilling	Broad-Ocean	Broad-Ocean	Broad-Ocean
Indoor air circulation	Turbo/High/Med/Low/Mute	CFM	342/270/235/200/152	305/264/223/176/141	305/264/223/176/141	617/575/511/411/382	847/705/588/470/412	847/705/588/470/412
Refrigerant	Type		R454B	R454B	R454B	R454B	R454B	R454B
	Oz		23.28	30.34	30.34	35.27	45.15	55.73
Compressor	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Model		KSN98D31UEW31	KSK103D33UEZC3	KSK103D33UEZC3	KSN140D53UFZ3	C-6RZ180H1AAF	KTM240D43UMT
Outdoor Motor	Motor Brand		Weilling	Weilling	Weilling	Broad-Ocean	Broad-Ocean	
Net dimensions: (W x D x H)	Indoor	inches	31.92x11.49x7.99	31.92x11.49x7.99	31.92x11.49x7.99	39.76x12.40x8.66	46.93x14.17x10.23	46.93x14.17x10.23
	Outdoor	inches	30.98x11.41x19.60	30.98x11.41x19.60	30.98x11.41x19.60	33.97x13.74x23.70	36.49x14.96x27.51	38.50x16.57x31.61
Net weight	Indoor	lbs	19.8	19.8	19.8	36.4	39.7	39.7
	Outdoor	lbs	51.8	55.1	55.1	70.5	88.2	105.8
Indoor Packing dimensions (W x D x H)	Outdoor	inches	34.84x14.40x10.82	34.84x14.40x10.82	34.84x14.40x10.82	43.14x15.35x11.69	49.60x16.92x12.91	49.60x16.92x12.91
Outdoor Packing dimensions (W x D x H)	Without pipe	inches	32.20x12.79x20.27	32.20x12.79x20.27	32.20x12.79x20.27	35.03x15.15x24.72	37.40x16.53x28.81	/
	With pipe	inches	/	/	/	/	/	40.23x18.89x32.87
Gross weight (without pipe)	Indoor	lbs	26.5	26.5	26.5	33.7	43.0	/
	Outdoor	lbs	55.8	59.5	59.5	76.5	94.8	/
Gross weight (with 5m pipe)	Outdoor	lbs	/	/	/	/	/	120.2
Line Set		ft	25	25	25	25	16	15
Maximum Line Length		ft	50	50	50	65	65	98
Maximum Height Difference Between Indoor and Outdoor		ft	33	33	33	49	49	65
Additional refrigerant charge		oz/ft	0.11	0.11	0.11	0.11	0.11	0.32
Operation temperature		°F	62-86	62-86	62-86	62-86	88.2	62-86

**Energy-saving
Operation**

10-20 %
Energy-saving efficiency
improvement

Safety Design

- Fireproof electric control box.

- No connection between condensate
water & electricity.
- Erosion resistance materials.



CONFORMS TO
UL STD. 1995
CERTIFIED TO
CSA STD. C22.2
NO. 250

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