



### ARCTIC SERIES R32 INVERTER SIDE DISCHARGE

CONDENSING UNITS			CPARS18KR3C	CPARS24KR3C	CPARS30KR3C	CPARS36KR3C	CPARS48KR3C	CPARS60KR3C
Cooling	Capacity	Rated	18000	24000	30000	36000	48000	55000
	Capacity Range	Min/Max	6000-23000	8000-29000	8000-36000	8000-39500	8000-50000	9000-57000
Heating	Power Input	Rated	1552	2182	2686	3000	4800	5789
	Capacity At 47°F	Rated	22000	26000	33000	38000	49000	55000
	Capacity Range	Min/Max	4000-24000	5000-30000	5500-36000	7000-39500	8000-50000	9000-58000
	Power Input at 47°F	Rated	1581	2201	2701	3011	4811	4885
	Capacity at 17°F	Rated	22000	24000	33000	38000	48000	48000
	Capacity at 5.5°F	Max	22000	24000	33000	38000	48000	48000
Efficiency	Capacity at 55°F	Max	16500	20000	25500	32000	40000	41000
	SEER2	(Btu/h)W	19.20	19.00	19.00	18.20	17.00	16.50
	HSPF2 (Region IV)	(Btu/h)W	9.00	9.00	9.00	9.00	9.00	9.50
	EER2	(Btu/h)W	11.60	11.00	11.60	10.00	10.00	9.50
	CCP	W/W	3.40	3.40	3.40	3.40	3.30	3.30
	Power Supply	V-Hz-Ph	208/230, 1,60	208/230, 1,60	208/230, 1,60	208/230, 1,60	208/230, 1,60	208/230, 1,60
Electric Data	Max. Input Consumption	W	2900	3900	4700	5900	6500	7000
	Max. Current	A	14	20	22	26	30	32
	MCA	A	18	21	24	28	34	36
	MAX Fuse	A	30	30	35	40	50	50
Compressor	Recommended Breaker Size	A	25	25	30	35	45	45
	Type	-	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	6600	7640	10510	10510	13350	13350
	Refrigerant Oil	ml	500 (ESTER OIL VG74)	620 (ESTER OIL VG74)	1000 (ESTER OIL VG74)	1000 (ESTER OIL VG74)	1000 (ESTER OIL VG74)	1000 (ESTER OIL VG74)
Outdoor Coil	Rated Input current of Inverter	A	13	15	17	20	25	27
	Number of Row	-	3	3	3	2	2	2
	Tube Pitch (Row Pitch)	mm	20x12.7	20x12.7	22x19.05	22x19.05	22x19.05	22x19.05
	Fin Pitch	mm	1.5	1.5	1.4	1.4	1.5	1.5
Outdoor Fan Motor	Fin Material	-	Corrugated Hydrophilic aluminum foil					
	Tube Outside Dia And Material	mm	ø7. Inner grooved	ø7. Inner grooved	ø7. Inner grooved	ø7. Inner grooved	ø7.8 Inner grooved	
	Quantities	-	1	1	2	2	2	2
	MOC	A	1	1.5	1.1+2	1.1+2	1.1+2	1.1+2
Air Flow Volume	Speed	ft/min	870	960	800	800	800	800
	CFM	2059	2471	4000	4000	4000	4000	
Noise Level		dB(A)	56	57	58	58	60	60
outdoor Unit	Net Dimensions	H	in.	27-9/16	31-13/16	51-15/16	51-15/16	51-15/16
		W	in.	38-9/16	41-3/16	59-13/16	59-13/16	59-13/16
	Package Dimensions	D	in.	15-1/4	11-5/16	15-3/4	15-3/4	15-3/4
		H	in.	30-5/16	31-11/16	56-11/16	56-11/16	56-11/16
Weight	Net	lb	109.8	147.7	198.2	198.2	209.4	
	Gross	lb	112.4	151.6	216.1	216.1	229.3	
Refrigerant	Type	-	R32	R32	R32	R32	R32	
	Charged Volume	OZ	52.91	81.13	116.40	119.93	144.62	144.62
		g	1500	2300	3300	3400	4100	4100
	Liquid(O.D.)	in.	3/8	3/8	3/8	3/8	3/4	3/8
Pipe	Gas(O.D.)	in.	5/8	5/8	5/8	5/8	3/4	3/4
	Max. Length	ft	98	164	164	164	164	164
	Max. Height	ft	49	98	98	98	98	98
Operation Temperature Range		°F (°C)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)
		°F (°C)	5-125(15-52)	5-125(15-52)	5-125(15-52)	5-125(15-52)	5-125(15-52)	5-125(15-52)
Ambient Temp Range	Cooling	°F (°C)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	
	Heating	°F (°C)	-13-75(-25-24)	-13-75(-25-24)	-13-75(-25-24)	-13-75(-25-24)	-13-75(-25-24)	
Connection Wiring	Power Wiring	AWG	14AWG	12AWG	12AWG	10AWG	8AWG	
	Signal Wiring	AWG	22AWG	22AWG	22AWG	22AWG	22AWG	
Loading Quantity		Unit	163	96	55	55	55	
Indoor Coil	Number of Row	-	3	3	3	4	4	
	Fin Material	-	Lower Hydrophilic aluminum foil					
Indoor Fan Motor	Tube Outside Dia And Material	mm	ø7. Inner grooved					
	Output Power	HP[W]	1/3[250]	1/2[350]	1/2[370]	1/2[370]	1/7[50]	
	MOC	A	2	2	3	3	3	
	Fin Speed	H/M/L/O	870/800/810	930/850/840	940/900/870	940/900/870	1100/1050/910	
Indoor Unit	Indoor Air Flow	H/M/L/O	600/500/440	800/680/560	1000/820/550	1200/900/560	1500/1300/1050	
	Noise Level	dB(A)	47/45/43	49/47/45	50/48/46	53/49	54/52/50	
	External Static Pressure	Standard	in.w.g	0.5	0.5	0.5	0.5	
	Range	in.w.g	0-1	0-1	0-1	0-1	0-1	
Packing Dimension	H	in.	45	45	49	49	53	
	Net Dimension	W	in.	17-1/2	17-1/2	21	21	
	D	in.	21	21	21	21	24-1/2	
	H	in.	51-9/16	51-9/16	55-1/2	55-1/2	59-7/16	
	W	in.	21-1/16	21-1/16	24-5/8	24-5/8	27-15/16	
	D	in.	27-3/4	27-3/4	27-3/4	27-3/4	27-15/16	
Weight	Net	lb	112.4	112.4	133	133	154.3	
	Gross	kg	51	51	60.3	60.3	70	
Pipe		lb	129	129	152	152	177.5	
	Liquid(O.D.)	in.	5/8	5/8	5/8	5/8	3/4	
	Gas(O.D.)	in.	5/8	5/8	5/8	5/8	3/4	
	Max. Length	ft	98	98	98	98	164	
Operation Temperature Range		°F (°C)	49	49	49	49	53	
		°F (°C)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	
Ambient Temp Range	Cooling	°F (°C)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	61-90(16-32)	
	Heating	°F (°C)	-13-75(-25-24)	-13-75(-25-24)	-13-75(-25-24)	-13-75(-25-24)	-13-75(-25-24)	
Connection Wiring	Power Wiring	AWG	18AWG	18AWG	18AWG	18AWG	18AWG	
	Signal Wiring	AWG	22AWG	22AWG	22AWG	22AWG	22AWG	
Loading Quantity		Set	144	144	57	57	57	