



### APEX SERIES R32 INVERTER SIDE DISCHARGE

CONDENSING UNITS			CPAP518KR3C	CPAP524KR3C	CPAP530KR3C	CPAP536KR3C	CPAP548KR3C	CPAP560KR3C
Cooling	Capacity	Rated	18000	23000	30000	35000	46000	55000
	Capacity Range	Min-Max	4000-20000	6000-30000	8000-30000	8500-37000	10000-50000	11000-57000
	Power Input	Rated	W	2190	3000	3684	5053	5789
Heating	Capacity Range	Rated	18000	24000	30000	38000	48000	58000
	Capacity Range	Min-Max	3500-21000	4000-26000	4500-32000	5000-38000	10000-53000	11000-57000
	Power Input at 47°F	Rated	W	2400	3200	3900	5100	5900
Efficiency	SEER2	Min	14.000	19.000	22.000	27.000	45.000	48.000
	SEER2	Max	14.000	18.600	22.000	25.000	45.000	41.500
	SEER2	(Btu/h)W	17.000	17.000	18.000	17.000	16.000	16.000
Electric Data	HSPF2(Region IV)	(Btu/h)W	8.60	8.50	8.50	8.60	9.00	9.00
	EER2	(Btu/h)W	11.25	10.50	10.00	9.50	9.50	9.50
	COP	W/W	3.50	3.40	3.60	3.30	3.40	3.40
Compressor	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
	Max. Input Consumption	W	2800	3700	4100	4700	6500	7000
	Max. Current	A	13	16.5	18	22	30	32
Outdoor Coil	MCA	A	16	20	21	24	31	34
	MAX.Fuse	A	25	30	30	35	45	50
	Recommended Breaker Size	A	20	25	25	30	40	45
Refrigerant	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	4345	6500	7540	7640	13350	13350
	Refrigerant Oil	ml	435(ESTER OIL VG74)	500(ESTER OIL VG74)	620(ESTER OIL VG74)	620(ESTER OIL VG74)	1000(ESTER OIL VG74)	1000(ESTER OIL VG74)
Outdoor Fan Motor	Rated Input current of Inverter	A	12	15	15	18	23	25
	Number Of Row	-	1.5	2	3	3	2	3
	Tube Pitch(a) Row Pitch(b)	mm	22*19.05	22*19.05	20.5*12.7	20.5*12.7	22*19.05	22*19.05
Air Flow Volume	Fin Pitch	mm	1.3	1.3	1.5	1.5	1.4	1.4
	Fin Material		Corrugated Hydrophobic aluminum foil					
	Tube Outside Dia And Material	mm	ø7. Inner grooved					
Noise Level	Quantities	-	1	1	1	1	2	2
	MOC	A	1.1	1.1	1.5	1.5	1.1*2	1.1*2
	Capacitor	µF	-	-	-	-	-	-
Refrigerant	Speed	mm/s	870	870	940	940	800	800
	CFM	2059	2059	2471	2471	4000	4000	
	dB(A)	56	57	59	59	60	60	
Net Dimensions	H	in.	27-9/16	27-9/16	31-13/16	31-13/16	51-15/16	51-15/16
	W	in.	38-9/16	38-9/16	41-3/16	41-3/16	39-13/16	39-13/16
	D	in.	15-1/4	15-1/4	17-15/16	17-15/16	15-3/4	15-3/4
Weight	H	in.	30-5/16	30-5/16	31-11/16	31-11/16	56-11/16	56-11/16
	W	in.	40-3/16	40-3/16	43-1/2	43-1/2	42-1/2	42-1/2
	D	in.	16-15/16	16-15/16	19-1/2	19-1/2	16-15/16	16-15/16
Pipe	Net	lbs	95.3	101.4	147.3	147.3	196.9	205.0
	Gross	lbs	102.5	108	156.5	156.5	216.7	226.9
	Type	-	R32	R32	R32	R32	R32	R32
Operation Temperature Range	Charged Volume	OZ	42.33	49.38	81.13	81.13	123.46	130.51
	g	1200	1400	2300	2300	3500	3700	
	Liquid(O.D.)	in.	3/8	3/8	3/8	3/8	3/8	3/8
Ambient Temp Range	Gas(O.D.)	in.	5/8	5/8	5/8	5/8	3/4	3/4
	Max. Length	ft	98	98	98	164	164	164
	Max. Height	ft	49	49	49	98	98	98
Connection Wiring	Cooling	°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)
	Heating	°F (°C)	5-75(-15-24)	5-75(-15-24)	5-75(-15-24)	5-75(-15-24)	5-75(-15-24)	5-75(-15-24)
	Power Wiring	AWG	14AWG	12AWG	12AWG	12AWG	8AWG	8AWG
Loading Quantity	Signal Wiring	AWG	22AWG	22AWG	22AWG	22AWG	22AWG	22AWG
	40H	Unit	183	183	96	96	55	55
	AR HANDLERS		CPAP518KR3A	CPAP524KR3A	CPAP530KR3A	CPAP536KR3A	CPAP548KR3A	CPAP560KR3A
Indoor Coil	Number Of Row	-	3	3	3	4	4	
	Fin Material	-	Lower Hydrophobic aluminum foil					
	Tube Outside Dia And Material	mm	ø7. Inner grooved					
Indoor Fan Motor	Output Power	HP[W]	1/2[50]	1/2[50]	1/2[370]	1/2[370]	1/7[50]	1/7[50]
	MOC	A	2.70	3.60	3.60	3.60	6.30	6.30
	Fin Speed	H/M/L/O	870/800/810	930/850/840	940/950/870	940/950/870	1000/940/850	1100/1050/910
Indoor Air Flow	H/M/L/O	CFM	600/503/440	800/680/560	1000/820/550	1200/960/790	1500/1300/1050	1800/1490/1180
	Noise Level	dB(A)	47/45/43	49/47/45	50/48/46	53/51/49	54/52/50	54/52/50
	External Static Pressure	Standard	in.w.g	0.5	0.5	0.5	0.5	0.5
Indoor Unit	Range	in.w.g	0-1	0-1	0-1	0-1	0-1	0-1
	H	in.	45	45	49	49	53	53
	Net Dimension	W	in.	17-1/2	17-1/2	21	21	24-1/2
Packing Dimension	D	in.	21	21	21	21	21	21
	H	in.	51-9/16	51-9/16	55-1/2	55-1/2	59-7/16	59-7/16
	W	in.	21-1/16	21-1/16	24-5/8	24-5/8	27-15/16	27-15/16
Pipe	D	in.	27-3/4	27-3/4	27-3/4	27-3/4	27-15/16	27-15/16
	Net	lbs	112.4	112.4	133	133	154.3	154.3
	Gross	lbs	51	51	60.3	60.3	70	70
Operation Temperature Range	Heating	°F (°C)	61-90	61-90	61-90	61-90	61-90	61-90
	Cooling	°F (°C)	16-32	16-32	16-32	16-32	16-32	16-32
	Power Wiring	AWG	18AWG	18AWG	18AWG	18AWG	18AWG	18AWG
Connection Wiring	Signal Wiring	AWG	22AWG	22AWG	22AWG	22AWG	22AWG	22AWG
	40H	Set	144	144	57	57	57	57