

KD SCROLL



HERMETIC SCROLL CONDENSING UNITS

Duty range: 2,210 - 22,700 W @ -10°C

Refrigerants: Multi-refrigerant (R449A, R134A, R448A and R407F)

Medium temperature -20 to +10 °C / Low temperature -20 to -40 °C

Product description:

KD Scroll condensing units are ideally suited for convenience stores, forecourts and cold room applications, particularly for outdoor installation in noise sensitive locations.

Product features:

- ▶ Energy efficient, ECO design compliant
- ▶ Corrosion resistant - Blue fin condenser coil
- ▶ Multi-refrigerant
- ▶ Fan speed controller
- ▶ Adjustable HP/LP switch
- ▶ Low noise levels
- ▶ Wide application range
- ▶ Copeland scroll compressor
- ▶ External mains isolator
- ▶ Liquid line drier and sight glass

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R449A MT -20 to +10°C

Model	Capacity (watts) - Evap Temp °C						
	10	5	0	-5	-10	-15	-20
1PAL015M1	5110	4220	3510	2910	2430	2010	1630
1PAL020M1	6930	5910	4940	4110	3370	2720	2140
1PAL020M3	6930	5910	4940	4110	3370	2720	2140
1PAL025M1	7750	6620	5590	4660	3840	3130	2500
1PAL025M3	7750	6620	5590	4660	3840	3130	2500
1PAL030M1	9950	8520	7210	6020	4980	4050	3240
1PAL030M3	9950	8520	7210	6020	4980	4050	3240
1PAL036M1	11700	9990	8430	7020	5800	4720	4000
1PAL036M3	11700	9990	8430	7020	5800	4720	4000
1PAL040M3	12650	10850	9180	7710	6410	5260	4260
2PAL050M3	16700	14150	12050	10100	8390	6860	5430
2PAL075M3	21700	18650	15800	13330	11110	9060	7180
2PAL090M3	28300	24500	20800	17600	14600	11850	9340
2PAL100M3	33400	28800	24500	20600	17100	13900	11000
PA130LMU3	41800	36000	30700	25800	21400	17250	13400

R407F MT -15 to +5°C

1PAL015M1	-	3680	3120	2630	2210	1840	-
1PAL020M1	-	5800	4580	4050	3350	2740	-
1PAL020M3	-	5800	4580	4050	3350	2740	-
1PAL025M1	-	6650	5650	4700	3900	3150	-
1PAL025M3	-	6650	5650	4700	3900	3150	-
1PAL030M1	-	8450	7150	5950	4900	3950	-
1PAL030M3	-	8450	7150	5950	4900	3950	-
1PAL036M1	-	9600	8050	6700	5550	4550	-
1PAL036M3	-	9600	8050	6700	5550	4550	-
1PAL040M3	-	10700	9000	7550	6250	5100	-
2PAL050M3	-	14000	11950	10050	8350	6900	-
2PAL075M3	-	18400	15600	13150	10900	8800	-
2PAL090M3	-	26100	22400	18800	15550	12350	-
2PAL100M3	-	28500	24400	20400	16850	13500	-
PA130LMU3	44200	38400	32900	27700	22700	18050	13500

R449A LT -20 to -40°C

Model	Capacity (watts) - Evap Temp °C				
	-20	-25	-30	-35	-40
1PAL030L3	3350	2720	2180	1710	1320
1PAL035L3	4090	3340	2700	2140	1660
1PAL040L3	4800	3890	3110	2440	1860
2PAL050L3	5860	4760	3810	3000	2320
2PAL060L3	6820	5560	4470	3520	2670
2PAL075L3	8560	6980	5620	4450	3460
2PAL100L3	11600	9420	7530	5920	4510

R407F LT -20 to -40°C

1PAL030L3	3150	2580	2040	1585	1280
1PAL035L3	3950	3200	2540	1980	1595
1PAL040L3	4620	3720	2930	2290	1850
2PAL050L3	5550	4330	3510	2790	2300
2PAL060L3	6600	5350	4250	3400	2765
2PAL075L3	8270	6720	5360	4250	3480
2PAL100L3	11750	9500	7520	5920	4780

Electrical data

Model	Compressor model	Current		Power supply voltage
		LRA	FLA	
1PAL015M1	ZS11KAE-PFJ	35	7.7	230.1.50
1PAL020M1	ZB15KQE-PFJ	58	11.9	230.1.50
1PAL020M3	ZB15KQE-TFD	26	4.5	400.3.50
1PAL025M1	ZB19KQE-PFJ	61	13.1	230.1.50
1PAL025M3	ZB19KQE-TFD	32	4.5	400.3.50
1PAL030M1	ZB21KQE-PFJ	82	13.8	230.1.50
1PAL030M3	ZB21KQE-TFD	40	6.6	400.3.50
1PAL036M1	ZB26KQE-PFJ	97	16.0	230.1.50
1PAL036M3	ZB26KQE-TFD	46	5.8	400.3.50
1PAL040M3	ZB29KQE-TFD	50	7.1	400.3.50
2PAL050M3	ZB38KQE-TFD	65.5	9.0	400.3.50
2PAL075M3	ZB48KQE-TFD	101	12.2	400.3.50
2PAL090M3	ZB66KQE-TFD	111	17.5	400.3.50
2PAL100M3	ZB76KQE-TFD	118	17.9	400.3.50
PA130LMU3	ZB95K5E-TFD	140	28.2	400.3.50
1PAL030L3	ZF09KQE-TFD	40	4.6	400.3.50
1PAL035L3	ZF11KQE-TFD	46	5.7	400.3.50
1PAL040L3	ZF13KQE-TFD	51.5	7.1	400.3.50
2PAL050L3	ZF15KQE-TFD	64	8.6	400.3.50
2PAL060L3	ZF18KQE-TFD	74	8.9	400.3.50
2PAL075L3	ZF24KQ E-TFD	102	11.9	400.3.50
2PAL100L3	ZF34KQE-TFD	100	25.0	400.3.50

Technical data

Model	Dimensions (mm)			Weight (kg)	Connections (inch)*		Receiver Volume (l)	No of fans & wattage	Noise level dB (a)
	Width	Depth	Height		Suct	Liq			
1PAL015M1	951	373	811	72	5/8	3/8	2.3	1 x 108	32
1PAL020M1	1000	400	815	91	5/8	3/8	2.8	1 x 108	32
1PAL020M3	1000	400	815	91	5/8	3/8	2.8	1 x 108	32
1PAL025M1	1000	400	815	91	5/8	3/8	2.8	1 x 108	32
1PAL025M3	1000	400	815	91	5/8	3/8	2.8	1 x 108	32
1PAL030M1	1000	400	865	97	5/8	3/8	2.8	1 x 110	39
1PAL030M3	1000	400	865	97	5/8	3/8	2.8	1 x 110	39
1PAL036M1	1000	400	865	100	3/4	3/8	4.1	1 x 110	39
1PAL036M3	1000	400	865	100	3/4	3/8	4.1	1 x 110	39
1PAL040M3	1000	400	865	104	3/4	3/8	4.1	1 x 110	39
2PAL050M3	1000	400	1164	122	7/8	1/2	7.3	2 x 108	40
2PAL075M3	1285	425	1169	173	7/8	5/8	7.8	2 x 108	40
2PAL090M3	1323	458	1364	230	1.1/8	5/8	12.0	2 x 110	40
2PAL100M3	1635	505	1364	252	1.1/8	5/8	12.0	2 x 110	40
PA130LMU3	1641	757	1788	315	1.3/8"	3/4	17.0	2 x 320	46
1PAL030L3	1000	400	865	95	3/4	3/8	4.1	1 x 110	39
1PAL035L3	1000	400	865	97	3/4	3/8	4.1	1 x 110	39
1PAL040L3	1000	400	865	108	7/8	3/8	4.1	1 x 110	39
2PAL050L3	1000	400	1164	122	7/8	1/2	7.3	2 x 108	40
2PAL060L3	1000	400	1164	124	7/8	1/2	7.3	2 x 108	40
2PAL075L3	1285	425	1164	230	1.1/8	7/8	7.8	2 x 108	40
2PAL100L3	1635	505	1364	242	1.1/8	7/8	7.8	2 x 108	40



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