



# KD Scroll REFRIGERATION CONDENSING UNITS

## Capacity Data - refrigerant R134a

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

All are fully equipped to a high specification, with a weather-proof powder coated galvanised steel casing and anti-corrosion coated condenser coil.

Fitted with a Copeland scroll hermetic compressor, fan speed control and fully pre-wired for quick and easy installation.



1PAL Models



2PAL Models

### Capacities - refrigerant R134a - medium temperature units

Model	Capacity (watts) - Evap Temp °C					
	10	5	0	-5	-10	-15
1PAL015M1	3500	2950	2465	2035	1660	1335
1PAL020M1	4850	4050	3350	2720	2185	1740
1PAL020M3	4850	4050	3350	2720	2185	1740
1PAL025M1	5500	4600	3800	3100	2500	1985
1PAL025M3	5500	4600	3800	3100	2500	1985
1PAL030M1	6900	5800	4800	3900	3150	2505
1PAL030M3	6900	5800	4800	3900	3150	2505
1PAL036M1	8050	6750	5550	4550	3650	2900
1PAL036M3	8050	6750	5550	4550	3650	2900
1PAL040M3	9250	7750	6450	5250	4250	3350
2PAL050M3	11450	9550	7950	6500	5250	4150
2PAL075M3	14900	12700	10650	8850	7250	5850
2PAL100M3	22500	19000	15800	13000	10550	8450
PAUP050M3	11450	9550	7950	6500	5250	4150

Duties are quoted at 10K suction superheat with liquid subcooled to condenser limits in an ambient of 32°C.

Where figures are not shown the compressor is not currently approved by Copeland.

Models ending in M1 are single phase, those ending in M3 are three phase.



# KD Scroll REFRIGERATION CONDENSING UNITS

## Capacity Data - refrigerant R407F

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

All are fully equipped to a high specification, with a weather-proof powder coated galvanised steel casing and anti-corrosion coated condenser coil.

Fitted with a Copeland scroll hermetic compressor, fan speed control and fully pre-wired for quick and easy installation.



1PAL Models



2PAL Models

### Capacities - refrigerant R407F - medium temperature units

Model	Capacity (watts) - Evap Temp °C							
	7	5	0	-5	-10	-15	-20	-23
1PAL015M1	-	-	-	-	-	-	-	-
1PAL020M1	6150	5800	4580	4050	3350	2740	2175	1855
1PAL020M3	6150	5800	4580	4050	3350	2740	2175	1855
1PAL025M1	7100	6650	5650	4700	3900	3150	2485	2135
1PAL025M3	7100	6650	5650	4700	3900	3150	2485	2135
1PAL030M1	9000	8450	7150	5950	4900	3900	3150	2700
1PAL030M3	9000	8450	7150	5950	4900	3900	3150	2700
1PAL036M1	10300	9600	8050	6700	5550	4550	3600	3100
1PAL036M3	10300	9600	8050	6700	5550	4550	3600	3100
1PAL040M3	11500	10700	9000	7550	6250	5100	4050	3450
2PAL050M3	14900	14000	11950	10050	8350	6900	5600	4900
2PAL075M3	19500	18400	15600	13150	10900	8800	7050	6100
2PAL100M3	30100	28500	24400	20400	16850	13500	10600	9120
PAUP050M3	14900	14000	11950	10050	8350	6900	5600	4900

Duties are quoted at 10K suction superheat with liquid subcooled to condenser limits in an ambient of 32°C

Where figures are not shown the compressor is not currently approved by Copeland. Models ending in M1 are single phase, those ending in M3 are three phase

### Capacities - refrigerant R407F - low temperature units

Model	Capacity (watts) - Evap Temp °C				
	-20	-25	-30	-35	-40
1PAL030L3	3150	2580	2040	1585	1280
1PAL035L3	3950	3200	2540	1980	1595
1PAL040L3	4620	3720	2930	2290	1850
2PAL050L3	5550	4330	3510	2790	2300
PAUP050L3	5550	4330	3510	2790	2300
2PAL060L3	6600	5350	4250	3400	2765
PAUP060L3	6600	5350	4250	3400	2765
2PAL075L3	8270	6720	5360	4250	3480

Duties are quoted at 10K suction superheat with liquid subcooled to condenser limits in an ambient of 32°C Models ending in L1 are single phase, those ending in L3 are three phase.



REFRIGERATION & AIR CONDITIONING

Rea Street South  
Birmingham B5 6LB  
Tel: 0121 666 4700  
Fax: 0121 622 7268

530 Stretford Road  
Manchester M16 9AF  
Tel: 0161 872 2000  
Fax: 0161 872 9929

Ernest Avenue, London SE27 0DA  
Tel: 020 8655 7600  
Fax: 020 8761 8081  
Email sales@thermofrostcryo.co.uk  
www.thermofrostcryo.co.uk



# KD Scroll REFRIGERATION CONDENSING UNITS

## Capacity Data - refrigerant R407A

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1PAL Models



PAUP Models

### Capacities - refrigerant R407A - medium temperature units - PROVISIONAL

Model	Capacity (watts) - Evap Temp °C						
	10	5	0	-5	-10	-15	-20
1PAL015M1	-	-	-	-	-	-	-
1PAL020M1	-	-	-	-	-	-	-
1PAL020M3	-	6000	4980	4060	3340	2810	2200
1PAL025M1	-	-	-	-	-	-	-
1PAL025M3	-	6950	5900	4900	4100	3340	2700
1PAL030M1	-	-	-	-	-	-	-
1PAL030M3	-	8530	7240	6010	4940	4080	3280
1PAL036M1	-	-	-	-	-	-	-
1PAL036M3	-	9850	8280	6850	5720	4660	3700
1PAL040M3	-	11950	10150	8500	6930	5670	4490
2PAL050M3	-	14650	12450	10450	8520	6960	5520
2PAL075M3	-	16250	13700	11500	9540	7760	6330
2PAL100M3	-	28500	24000	19700	16150	12750	10050
PAUP050M3	-	14650	12450	10450	8520	6960	5520

PROVISIONAL duties are quoted at 10K suction superheat with liquid subcooled to condenser limits in an ambient of 32°C  
Where figures are not shown the compressor is not currently approved by Copeland.

Models ending in M1 are single phase, those ending in M3 are three phase.

### Capacities - refrigerant R407A - low temperature units - PROVISIONAL

Model	Capacity (watts) - Evap Temp °C						
	-10	-15	-20	-25	-30	-35	-40
1PAL030L3	5040	4210	3460	2810	2270	1800	1420
1PAL035L3	5850	4850	3990	3250	2590	2040	1590
1PAL040L3	6300	5260	4340	3450	2700	2100	1740
2PAL050L3	7830	6510	5320	4240	3350	2680	2260
2PAL060L3	9190	7680	6260	5060	4000	3190	2650
2PAL075L3	-	-	-	-	-	-	-
PAUP060L3	9190	7680	6260	5060	4000	3190	2650

PROVISIONAL duties are quoted at 10K suction superheat with liquid subcooled to condenser limits in an ambient of 32°C  
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All models are three phase



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