



INVERTER DRIVE CONDENSING UNITS

Duty range: 1,714 - 7,911 W @ -10°C

Refrigerants: R449A / R448A

Medium temperature -15 to +10 °C

Product description:

Highly efficient inverter scroll condensing units with Danfoss VLZ inverter compressor and Danfoss CD inverter drive/LCP. The Danfoss drive provides overload protection, phase protection, and short circuit protection. RS485 to 3rd party monitoring is also included with Danfoss drive.

Product features:

- ▶ Inverter compressor (Danfoss)
- ▶ Inverter drive & LCP (Danfoss)
- ▶ Highly efficient inner rippled copper tube
- ▶ High corrosion resistance blue fin coating
- ▶ Oil separator
- ▶ Liquid line drier / Sight glass
- ▶ HP and LP switch
- ▶ Low pressure transmitter
- ▶ Fan speed controller

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Exclusive distributor

Thermofrost Cryo

ECO PRO Condensing units

Capacities based on 10K suction superheat, 0K subcooling, ambient 32°C.

R449A Refrigerant

Model	Capacity (Watts) - Evap temp °C (Min-Max Hz)					
	10	5	0	-5	-10	-15
1PAL030ILMD	3,763-9,952	3,144-8,438	2,600-7,087	2,125-5,891	1,714-4,844	1,362-3,934
1PAL040ILMD	4,729-12,350	3,950-10,490	3,260-8,814	2,670-7,334	2,156-6,035	1,715-4,903
1PAL050ILMD	6,099-16,160	5,106-13,760	4,231-11,590	5,466-9,642	2,803-7,911	2,232-6,384

Technical data

Model	Dimensions	Weight	Connections		Receiver	Power
	(W x D x H)	(Kg)	Suct	Liq	Litres	Supply
1PAL030ILMD	1122 x 581 x 854	100	5/8"	3/8"	3.5	400/3/50
1PAL040ILMD	1122 x 581 x 854	107	5/8"	3/8"	4.4	400/3/50
1PAL050ILMD	1122 x 581 x 1265	128	3/4"	1/2"	7.6	400/3/50

Electrical data

Model	Compressor			Fan Motor (data per motor)		
	Model	FLA	Hz	No	FLA	Watts
1PAL030ILMD	VLZ028TG	7.0	30-90	1	0.75	150
1PAL040ILMD	VLZ035TG	8.5	30-90	1	0.75	150
1PAL050ILMD	VLZ044TG	10.5	30-90	2	0.75	150