



CENTRALINA DMC35
DMC35 CONTROLLER

COMPRESSORE FRIGORIFERO
REFRIGERANT COMPRESSOR



CONDENSATORE
CONDENSER



EFFICIENT

The PS refrigerant air dryers ensure the production of quality, clean and dry air, essential to preserve the systems and the quality of the finished product. They achieve excellent performance even in instances of unfavorable environmental conditions, and high inlet temperatures.

The highly efficient and ultra compact heat exchanger is able to operate effectively in ambient temperatures up to 45 °C, ensuring a reduced compressed air pressure drop.

FUNCTIONAL

The electronic controller indicates the dryer operating condition (Dew Point), controls the condensate drain valve via a cyclic timer and the condenser fan via a temperature probe.

The aluminium module has a vertical flow layout ensuring the wet compressed air flows down to the automatic drain.

ECOLOGICAL

All materials are in compliance with our environmental policy: only environmentally friendly refrigerants are used. Components conform with 2002/95/CE "RoHS" (restriction of hazardous substances) and 2002/96/CE "WEEE" (waste electrical and electronic equipment) European Directives.

Models from PS.C 4 to PS 32 are equipped with ecologic refrigerating fluid R134.a, all others use R407 C.

CHEAP

PS dryers are sized to match standard compressor outputs. E.g. a 15 kW (20 HP) air compressor with theoretical output of 2400 l/min at 7 bar matches the PS 25 rated at 2500 l/min. It is therefore unnecessary to select a larger model: air compressor-dryer combination is tested and certified, within operating limits shown on technical features.

How to select a suitable dryer for a given duty:

$$\text{Minimum std. air flow rate} = \frac{\text{Design air flow}}{\text{Factor (F1) x Factor (F2) x Factor (F3) x Factor (F4)}}$$

Essiccatori a refrigerazione ad alte prestazioni

High performance refrigerant air dryers



Il disegno esclusivo di questi essiccatori, con le cofanature di facile rimozione, è stato progettato e costruito per agevolare le operazioni di ispezione e manutenzione. Il nuovo scambiatore di calore ad alta prestazione garantisce un perfetto abbinamento alla portata standard del compressore.

La pulizia dello scaricatore di condensa non necessita di nessun utensile, grazie all'innesto rapido a baionetta.

The unique design of these dryers, with the panels can be easily removed, has been designed and built to facilitate inspection and maintenance.

The new high-performance heat exchanger ensures a perfect match to the standard air flow of an air compressor.

The cleaning of the drain valve does not require any tools thanks to the quick bayonet.

Foto indicativa dei modelli da PS 6 a PS 135

Indicative photo of PS 6 ÷ PS 135 models

	CODE	TYPE	CONTROLLER	Volt/Ph/Hz	kW @50Hz	kW @60Hz	Amp. max.	l/min.	m³/min.	c.f.m.	bar	p.s.i.	G	L x W x H (mm)	kg
GAS R134.a	8193760	PS 6	DMC35	230/1/50-60	0,11	0,12	1,0	600	0,6	21	16	232	1/2"	360 x 430 x 770	16
	8193761	PS 9	DMC35	230/1/50-60	0,19	0,21	1,5	900	0,9	32	16	232	1/2"	360 x 430 x 770	18
	8193762	PS 12	DMC35	230/1/50-60	0,21	0,25	1,7	1200	1,2	42	16	232	1"	360 x 430 x 770	35
	8193763	PS 18	DMC35	230/1/50-60	0,38	0,45	3,1	1800	1,8	64	16	232	1"	360 x 430 x 770	36
	8193764	PS 25	DMC35	230/1/50-60	0,39	0,46	3,1	2500	2,5	88	16	232	1"	360 x 430 x 770	38
	8193765	PS 32	DMC35	230/1/50	0,48		3,6	3200	3,2	113	16	232	1"	360 x 430 x 770	45
GAS R407 C	8193766	PS 43	DMC35	230/1/50	0,71		5,2	4300	4,3	152	16	232	1" 1/2	535 x 580 x 910	53
	8193767	PS 52	DMC35	230/1/50	0,72		5,2	5200	5,2	184	16	232	1" 1/2	535 x 580 x 910	73
	8193768	PS 63	DMC35	230/1/50	0,82		5,2	6300	6,3	223	16	232	1" 1/2	535 x 580 x 910	73
	8193769	PS 80	DMC35	230/1/50	0,93		6,8	8000	8	283	16	232	1" 1/2	535 x 580 x 910	83
	8193770	PS 105	DMC35	230/1/50	0,92		8,9	10500	10,5	371	16	232	1" 1/2	535 x 580 x 910	85
	8193771	PS 135	DMC35	230/1/50	1,2		8,9	13500	13,5	477	16	232	2"	535 x 580 x 910	106
	8193772	PS 168	DMC35	230/1/50	1,7		11,3	18000	18	636	16	232	2"	905 x 686 x 1077	123
	8193773	PS 190	DMC35	230/1/50	1,8		13,8	19000	19	671	16	232	2" 1/2	905 x 686 x 1077	140
	8193774	PS 240	DMC35	400/3/50	2,1		7,3	24000	24	848	16	232	2" 1/2	905 x 686 x 1077	178

Fattori di correzione | Correction factors

Pressione Pressure (barg)	4	5	6	7	8	10	12	14
Fattore Factor F1	0,77	0,86	0,93	1,00	1,05	1,14	1,21	1,27
Temp. ambiente Ambient temperature (°C)	<=25		30	35	40	45		
Fattore Factor F2	1,00		0,95	0,88	0,79	0,68		
Temp. aria ingresso Air inlet temperature (°C)	<=30		35	40	45	50	55	
Fattore Factor F3	1,11		1,00	0,81	0,67	0,55	0,45	
Punto di rugiada Dew Point (°C)	3		5	7	10			
Fattore Factor F4	1,00		1,11	1,19	1,38			



BY-PASS

Forniti non assemblati.
Supplied not assembled.

CODE	TYPE	G
9058346	BY-PASS PS 6-9	1/2"
9058347	BY-PASS PS 12-18	1"
9058348	BY-PASS PS 25-32	1"
9052349	BY-PASS PS 43	1" 1/2
9052350	BY-PASS PS 52-63	1" 1/2
9052351	BY-PASS PS 80-105	1" 1/2
9052352	BY-PASS PS 135-168	2"
9052353	BY-PASS PS 190-240	2" 1/2



Foto indicativa dei modelli da PS 168 a PS 240
Indicative photo of PS 168 ÷ PS 240 models