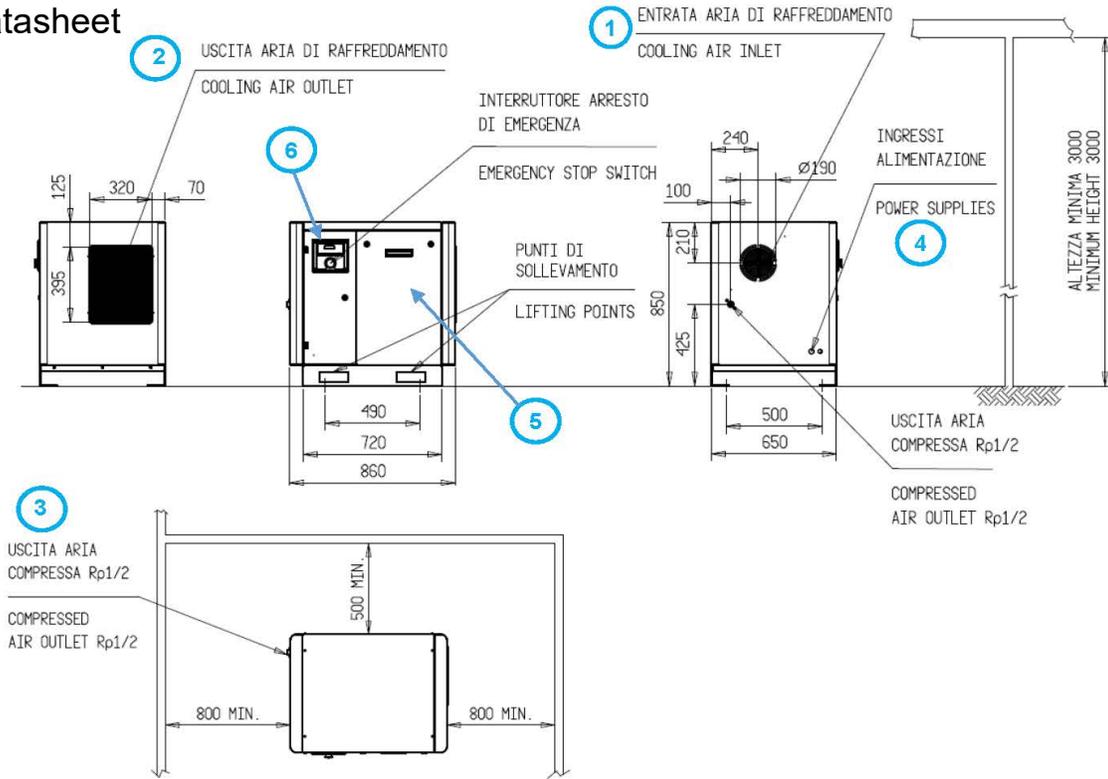


# OMEGA POWER SYSTEM

For us, it's not just business. It's personal.

## Pascal 4-7.5 Screw Compressor Technical Datasheet



- 1 Ingresso aria di raffreddamento  
Cooling air inlet
- 2 Uscita aria di raffreddamento  
Cooling air outlet
- 3 Connessione aria compressa  
Compressed air connection
- 4 Alimentazione elettrica  
Power supply
- 5 Lato manutenzione  
Service side
- 6 Controllore  
Operation Panel

Type	L	B	H	Rated motor power Potenza motore	Weight Peso	Cooling air flow Portata aria di raffreddamento	Cooling air outlet cross section Area uscita aria di raffreddamento	Compressed air connection Connessione aria compressa
4 SD	860	650	850	4	165	600	0,13	⅝"
5,5 SD	860	650	850	5,5	167	600	0,13	⅝"
7,5 SD	860	650	850	7,5	182	1000	0,13	⅝"

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Model		PASCAL 4	PASCAL 5.5	PASCAL 7.5
<b>Technical features</b>	kW/HP	4 / 5	5.5 / 7	7.5 / 10
Working pressure	bar g	8 10 13	8 10 13	8 10 13
Air-end	type	PS14	PS14	PS26
Transmission type	/	Belt	Belt	Belt
F.a.d. *	l/min	580 485 350	720 650 485	1250 1000 750
Oil quantity / topping-up	l	2.3 / 0.3	2.3 / 0.3	5.5 / 0.6
Max final air temperature above ambient	°C	6	8	10
Re-claimable heat	kJ/h	13680	18810	25600
Fan type	/	Radial	Radial	Radial
Fan flow rate	m <sup>3</sup> /h	1000	1000	1000
Rated motor power cooling fan	kW	0.24	0.24	0.24
Oil carry over	mg/m <sup>3</sup>	2-4	2-4	2-4
Main Electric motor	type	100 B34	112 B34	132 B34
Main Motor speed	rpm	3600	3600	3600
Nominal main motor power	kW	4	5.5	7.5
Max. power absorbed, ventilation included	kW	5.15	6.55	8.9
Specific Power	kW/m <sup>3</sup> /1'	8.8 10.7 14.7	9.1 10. 13.5	7.1 8.9 11.8
Main Electrical efficiency	%	88.5	89.5	90.2
Electrical box protection class	IP	54	54	54
Min and Max working ambient temperature	°C	+2 / + 45	+2 / + 45	+2 / + 45
Noise level (according Pneurop/Cagi PN2CPTC2)	dB(A)	60	64	66
<b>Electrical data</b>				
Auxiliary Voltage (all models)	V/Ph	24/1	24/1	24/1
Voltage	V/Ph	230/1~/60	230/1~/60	-
Max. absorbed current, ventilation included	A	25	35	-
Voltage	V/Ph	208-230/3~/60	208-230/3~/60	208-230/3~/60
Max. absorbed current, ventilation included	A	9	11	15.8
Voltage	V/Ph	460/3~/60	460/3~/60	460/3~/60
Max. absorbed current, ventilation included	A	6.5	9	11
Voltage	V/Ph	575/3~/60	575/3~/60	575/3~/60
Max. absorbed current, ventilation included	A	6	8.25	9.5
Main motor enclosure/Insulation class		55/F	55/F	55/F
Main motor service factor		1.1	1.1	1.1
<b>Protection devices</b>				
Max oil temperature	°C	110	110	110
Pre-alarm Oil temperature	°C	106	106	106
Motor thermal relay setting	-	PTC	PTC	PTC
Safety valve setting	bar	14	14	14
<b>Dimensions and weight</b>				
Length	mm	860	860	860
Width	mm	650	650	650
Height	mm	850	850	850
Weight	kg	165	167	182
Air outlet size	G	1/2	1/2	1/2

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Not available -  
Optional O  
Standard X

Type - Modelli	PASCAL	4	5.5	7.5
Controller	DNAir1	X	X	X
	DNAir2	-	-	-
Motor starter	Star-delta starting	X	X	X
	Direct starting	X	X	-
Suction control	Proportional suction control	-	-	-
Cooling fan	Air cooling with axial fan	-	-	-
	Air cooling with radial fan	X	X	X
Cooling system	Water cooling with plate heat exchanger	-	-	-
	Water cooling with tubular heat exchanger	-	-	-
Versions	Floor mounted	X	X	X
	Flour mounted with refrigerating dryer and filters	-	-	-
	On 302 lt receiver	O	O	O
	On 302 lt. receiver with refrigerating dryer and filters	O	O	O
	On 454 lt. receiver	O	O	O
	On 454 lt receiver with refrigerating dryer and filters	O	O	O
Power supply	230 V/60Hz/1ph	X	X	X
	208-230 V/60 Hz/3ph	X	X	X
	460 V/60 Hz/3ph	X	X	X
	575 V/60 Hz/3ph	X	X	X
Motor protection-class	IP55 - F	X	X	X
	IP55 - H	-	-	-
Super sound insulation	Super sound insulation (intake + exhaust)	-	-	-
	Sounproofed Cabinet	X	X	X
Heat recovery	Suitable for heat recovery installation	-	-	-
	Heat recovery (plate heat exchanger)	-	-	-
OEM oil	Foodgrade 46 cSt synthetic oil filling	-	-	-
	46 cSt synthetic oil filling	X	X	X
Air treathment options	QF 10 micron ceramic air filter	O	O	O
	PF 1 micron oil separator filter	O	O	O
	Refrigerating dryer	O	O	O
	Cyclone separator	O	O	O
	Drain system for filters	O	O	O
Accessories	Flexible connecting hose	O	O	O
	Ball valve - Rubinetto a sfera	O	O	O
Options	Pre-filter panel	-	-	-
	Hot Climate Design	X	X	X
	High performance intake filter	-	-	-
	Auxiliary heating system (ex factory)	-	-	-
	Rotation direction control	X	X	X
	Clogging indicator for air and oil separator filter	-	-	-
	Potential free contact	-	-	-
	Customized colour	O	O	O
	Original maintenance kit	O	O	O
Packaging	X	X	X	