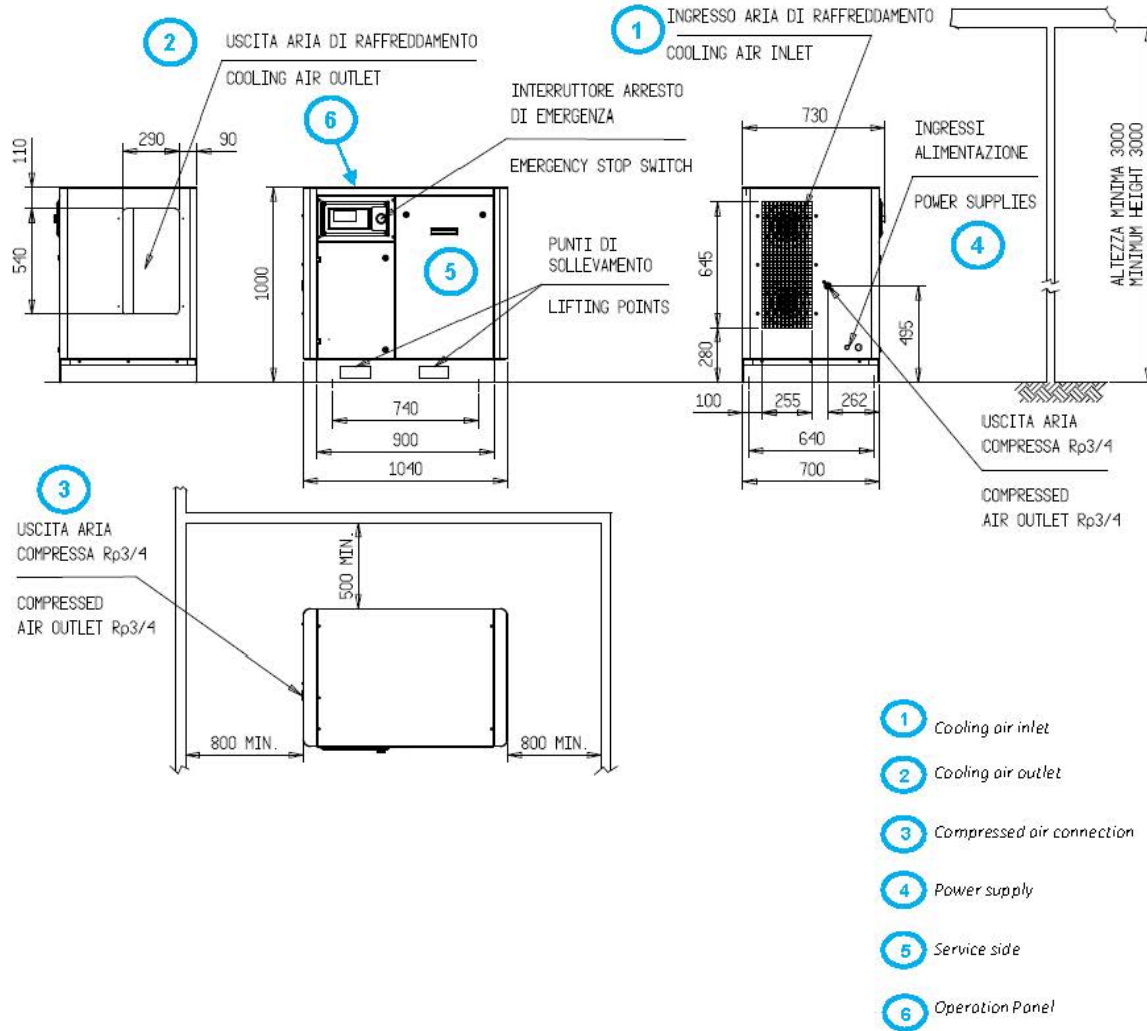


OMEGA POWER SYSTEM

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

Pascal 11-15 Screw Compressor Technical Datasheet



- 1** Cooling air inlet
- 2** Cooling air outlet
- 3** Compressed air connection
- 4** Power supply
- 5** Service side
- 6** Operation Panel

Type	L	B	H	Rated motor power	Weight	Cooling air flow	Cooling air outlet cross section	Compressed air connection
PASCAL	mm	mm	mm	kW	kg	m ³ /h	m ²	G
11	1040	700	1000	11	228	1200	0,16	1/4"
15	1040	700	1000	15	238	1500	0,16	1/4"

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Modello		PASCAL 11			PASCAL 15		
Technical features	kW/HP	11/15			15/20		
Working pressure	bar g	8	10	13	8	10	13
Air-end	type	PS26TF			PS26TF		
Transmission type	/	Belt			Belt		
F.a.d. *	l/min	1650	1500	1150	2150	1850	1550
Oil quantity / topping - up	l	6.5/0.8			6.5/0.8		
Max final air temperature above ambient	°C	15			17		
Re-claimable heat	kJ/h	37600			51300		
Fan type	/	Radial			Radial		
Fan flow rate	m ³ /h	750			1000		
Rated motor power cooling fan	kW	0.24			0.24		
Oil carry over	mg/m ³	2 - 4			2 - 4		
Main Electric motor	type	132 B3B14			132 B3B14		
Main Motor speed	rpm	3600			3600		
Nominal main motor power	kW	11			15		
Max. power absorbed, ventilation included	kW	12.9			15.9		
Specific Power	kW/m ³ /1'	7.8	8.6	11.2	7.3	8.5	10.2
Main Electrical efficiency	%	91.2			91.9		
Electrical box protection class	IP	54			54		
Min and Max working ambient temperature	°C	+2/+45			+2/+45		
Noise level (according Pneurop/Cagi PN2CPTC2)	dB(A)	69			70		

Electrical data							
Auxiliary voltage (all models)	V	24			24		
Voltage	V/Ph/Hz	230/3~/60			230/3~/60		
Max. absorbed current, ventilation included	A	37			50		
Voltage	V/Ph/Hz	460/3~/60			460/3~/60		
Max. absorbed current, ventilation included	A	18			25		
Voltage	V/Ph/Hz	575/3~/60			575/3~/60		
Max. absorbed current, ventilation included	A	14			28		
Main motor enclosure/Insualtion class	-	55/F			55/F		
Main motor service factor	-	1,1			1,1		

Protection devices							
Max oil temperature	°C	110			110		
Pre-alarm Oil temperature	°C	105			105		
Motor thermal relay setting	-	PTC			PTC		
Safety valve setting	bar	14			14		

Dimensions and weight							
Length	mm	1040			1040		
Width	mm	700			700		
Height	mm	1000			1000		
Weight	kg	228			238		
Air outlet size	G	3/4			3/4		

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Not available -
Optional O
Standard X

Type - Modelli	PASCAL	11	15
Controller Controllore	DNAir1	-	-
	DNAir2	X	X
Motor starter	Star-delta starting (575v/3ph)	X	X
	Direct starting (208-230-460v/3ph)	X	X
Suction control	Proportional suction control	-	-
Cooling fan	Air cooling with axial fan	-	-
	Air cooling with radial	X	X
Cooling system	Water cooling with plate heat exchanger	-	-
	Water cooling with tubular heat exchanger	-	-
Versions	Floor mounted	X	X
	Floor mounted with refrigerating dryer, pre-filter and by-pass	-	-
	On 302lt. receiver	O	O
	On 302 lt. receiver with refrigerating dryer, pre-filter and by-pass	O	O
	On 454lt. receiver	O	O
Power supply	230 V/1PH 60 Hz	-	-
	208-230-460V/ 3PH 60 Hz	X	X
	575 V/3PH 60 Hz	X	X
Motor protection-class	IP55 - F	X	X
	IP55 - H	-	-
Super sound insulation	Super sound insulation (intake + exhaust)	-	-
	Sound proofed Cabinet	X	X
Heat recovery	Suitable for heat recovery installation	-	-
	Heat recovery (plate heat exchanger)	-	-
OEM oil	Foodgrade 46 cSt synthetic oil filling	O	O
	46 cSt synthetic oil filling	X	X
Air treatment options	.01 micron Coalescing Filter	O	O
	.01 micron Activated Carbon Filter	O	O
	Refrigerating dryer	O	O
	Water separator	O	O
	Auto drain for filters	X	X
Accessories	Flexible connecting hose	O	O
	Vibration pads	O	O
Options	Pre-filter panel	-	-
	Hot Climate Design	X	X
	High performance intake filter	O	O
	Auxiliary heating system (ex factory)	O	O
	Rotation direction control	X	X
	Clogging indicator for air and oil separator filter	-	-
	Potential free contact	O	O
	Customized color	-	-
	Original maintenance kit	O	O
	Packaging	X	X