

OMEGA POWER SYSTEM

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

Compressor Technical Datasheet

Compressor Model: **KELVIN 18,5-10 575**

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GENERAL DATA				
Nominal Input Power	kW		18,5	
	HP		25,0	
Drive Type	-		Belt	
Entire Compressor IP Grade	-		IP 20	
Working Pressure	bar		10	
	psi		145	
Min. Working Pressure	bar		6,5	
	psi		94	
Ambient Working Temperature	°C	min. +2	-	max. +45
Main Voltage Supply value	V - ph	575 ±10%	-	n.ph 3~
Auxiliary Voltage Supply value	V - ph	24 ±5%	-	n.ph 1~
Supply Frequency	Hz		60	
WORKING DATA				
Air flow (acc. to ISO 1217 Annex C and Annex E for variable speed compressors)	l/min		2500	
	m ³ /min		2,5	
	c.f.m.		88,3	
Total Absorbed Power at full load (+ dryer)	kW		20,5	+ -
Total Absorbed Power at idle	kW		8	
Total Absorbed Current at full load (+ dryer)	A		25	+ -
Specific power absorption	kW/m ³ /min		7,40	
Max final air temperature above ambient	°C		8	
Removed Heat	kJ/h		63300	
Sound Pressure (acc. to Pneurop/Cagi PN2CPTC2)	dB(A)		71	± 3 dB(A)
ELECTRIC MOTOR				
Nominal Motor Power	kW		18,5	
Size and Construction Form	-	160	-	IM B34
Synchronous Speed	min ⁻¹		3600	
Efficiency class and relative efficiency value	-	IE3	-	0,924
IP degree of protection and insulation class of the electric motor	-	IP 55	-	class F
Service factor	-		1,1	
VENTILATOR				
Type and number of installed fans	-	Radial	-	n. 2
Fan flow rate	m ³ /h		3300	
Nominal Power	kW		0,16	
IP degree of protection and insulation class of the fan	-	IP54	-	class F
LUBRICANT				
Type	-		RotarEcoFluid 46	
Oil quantity	l		7	
Oil carry over	mg/m ³		2-4	
SAFETY DEVICES				
Max oil working temperature	°C		110	
Pre-alarm oil working temperature	°C		105	
Safety valve setting	bar		14	
Protection type from electric motor overload	-		Thermal relay	
DIMENSIONS				
Length	mm		1510	
Width	mm		730	
Height	mm		1085	
Weight	kg		398	
Air outlet size	G		3/4"	
Drawing code	-		DIM0045	
Wiring diagram code	-		9017426	