



Scheda Tecnica Compressore Compressor Technical Datasheet

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UT_MINI JUNIOR 2,2-10-90 M_2021-01_EN

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Customer Care

Compressor Model: MINI JUNIOR 2,2-10-90 M

GENERAL DATA

Nominal Input Power	kW	2,2		
	HP	3,0		
Drive Type	-	Direct 1:1		
Entire Compressor IP Grade	-	IP 20		
Working Pressure	bar	10		
	psi	145		
Min. Working Pressure	bar	6		
	psi	87		
Ambient Working Temperature	°C	min. +2	-	max. +45
Main Voltage Supply value	V - ph	230 ±10%	-	n.ph 1~
Auxiliary Voltage Supply value	V - ph	230 ±5%	-	n.ph 1~
Supply Frequency	Hz	50		

WORKING DATA

Air flow (acc. to ISO 1217 Annex C and Annex E for variable speed compressors)	l/min	261		
	m ³ /min	0,26		
	c.f.m.	9,2		
Total Absorbed Power at full load (+ dryer)	kW	3,1	+	-
Total Absorbed Power at idle	kW	-		
Starting current / Rated current / Dryer current	A	35	/	14,1 / -
Specific power absorption	kW/m ³ /min	11,89		
Max final air temperature above ambient	°C	-		
Removed Heat	kJ/h	6336		
Sound Pressure (acc. to Pneuop/Cagi PN2CPTC2)	dB(A)	65 ± 3 dB(A)		

ELECTRIC MOTOR

Nominal Motor Power	kW	2,2		
Size and Construction Form	-	90	-	IM B3
Synchronous Speed	min ⁻¹	3000		
Efficiency class and relative efficiency value	-	IE3	-	0,859
IP degree of protection and insulation class of the electric motor	-	IP 55	-	class F
Service factor	-	1		

VENTILATOR

Type and number of installed fans	-	Radial	-	n. 1
Fan flow rate	m ³ /h	600		
Nominal Power	kW	0,065		
IP degree of protection and insulation class of the fan	-	IP44	-	class F

LUBRICANT

Type	-	RotarEcoFluid 46		
Oil quantity	l	2,3		
Oil carry over	mg/m ³	2 - 4		

SAFETY DEVICES

Max oil working temperature	°C	110		
Pre-alarm oil working temperature	°C	-		
Safety valve setting	bar	14		
Protection type from electric motor overload	-	PTC thermistor		

DIMENSIONS

Length	mm	725		
Width	mm	458		
Height	mm	1058		
Weight	kg	105		
Air outlet size	G	1/2"		
Drawing code	-	t.b.d.		
Wiring diagram code	-	t.b.d.		

Specific Power variation depending on pressure values

Compressor Model:

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Pressure			5 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
266	0,27	9,4	2,2	8,30

Pressure			6 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
265	0,26	9,3	2,3	8,88

Pressure			7 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
264	0,26	9,3	2,5	9,66

Pressure			8 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
263	0,26	9,3	2,7	10,45

Pressure			9 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
262	0,26	9,2	2,9	11,17

Pressure			10 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
-	-	-	-	-

Pressure			11 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
-	-	-	-	-

Pressure			12 bar	
[l/min]	Air flow [m ³ /min]	[c.f.m.]	Absorbed power [kW]	Specific power [kW/m ³ /min]
-	-	-	-	-

Compressor performance at speed modulation

(valid for variable speed compressors only)

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		Pressione target			- bar		
ID	% Speed	Air flow			Motor speed [min ⁻¹]	Absorbed power [kW]	Specific power [kW/m ³ /min]
		[l/min]	[m ³ /min]	[c.f.m.]			
1	100%	-	-	-	-	-	-
2	70%	-	-	-	-	-	-
3	40%	-	-	-	-	-	-

