



# Scheda Tecnica Compressore

## Compressor Technical Datasheet

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UT\_JUNIOR SD 710\_2020-09\_EN

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Compressor Model: JUNIOR SD 710

## GENERAL DATA

Nominal Input Power	kW	5,5		
	HP	7,5		
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	400 ±10%	-	n.ph 3~
Auxiliary Voltage Supply value	V - ph	24 ±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	705		
	m <sup>3</sup> /min	0,705		
	c.f.m.	24,9		
Total Absorbed Power at full load (+ dryer)	kW	7,1	+	-
Total Absorbed Power at idle	kW	2,74		
Starting current / Rated current / Dryer current	A	30	/	11,8 / -
Specific power absorption	kW/m <sup>3</sup> /min	10,07		
Max final air temperature above ambient	°C	12		
Removed Heat	kJ/h	18800		
Sound Pressure (acc. to Pneurop/Cagi PN2CPTC2)	dB(A)	68 ± 3 dB(A)		

## ELECTRIC MOTOR

Nominal Motor Power	kW	7,5		
Size and Construction Form	-	112	-	IM B3
Synchronous Speed	min <sup>-1</sup>	3000		
Efficiency class and relative efficiency value	-	n.a.	-	n.a.
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	-	Axial	-	n. 1
Fan flow rate	m <sup>3</sup> /h	670		
Nominal Power	kW	0,08		
IP degree of protection and insulation class of the fan	-	IP54	-	class F

## LUBRICANT

Type	-	RotarEcoFluid 46		
Oil quantity	l	3,5		
Oil carry over	mg/m <sup>3</sup>	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	650		
Width	mm	580		
Height	mm	800		
Weight	kg	103		
Air outlet size	G	1/2"		
Drawing code	-	DIM0051		
Wiring diagram code	-	9019269		