Scheda Tecnica Compressore
Compressor Technical Datasheet

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Compressor Model: **ORION-E 7.5-10-270 ES** **V91PO92N1NB55**

GENERAL DATA				
Rated power	kW	8		
	HP	10		
Min/Max pressure limits	bar	5 ÷ 10		
	psi	73 ÷ 145		
Supply frequency	Hz	50		
Main voltage	V - ph	400 ±5%	-	n.ph 3~
Auxiliary voltage	V - ph	24 ±5%	-	n.ph 1~
Drive type	-	Direct 1:1		
Air-end model	-	FS 26 TFC		
Electronic controller model	-	ETMII		
Compressor IP rating	-	IP 20		
Ambient Working Temperature	°C	min. +2	-	max. +45
WORKING DATA				
Working pressure	bar	10		
	psi	145		
Air flow (ISO 1217 Annex C/E)	l/min	1050		
	m^3/min	1,05		
	c.f.m.	37		
Starting current / Rated current / Dryer current	A	34	/ 14,6	/ 1,4
Max final air temperature above ambient	°C	15		
Sound pressure (ISO 2151, ± Annex A)	dB(A)	67		± 3 dB(A)
ELECTRIC MOTOR				
Electric motor type & Rated power (acc. to IEC 60034-1)	kW	ASYNC	-	7,5
Synchronous speed	min^{-1}	2860		
Size & Construction form	-	112	-	IM B3
IP rating and insulation class of the electric motor	-	IP 55	-	class F
VENTILATOR				
Type and number of installed fans	-	ASSIALE	-	n. 1
Rated power	kW	0,1		
IP rating and Insulation class of the fan	-	IP54	-	class F
Maximum fan flow rate	m^3/h	1169		
Static pressure	Pa	40		
LUBRICANT				
Type	-	RotarEcoFluid 46		
Oil quantity	l	3,5		
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 & DOCUMENTATION				
Length x Width x Height	mm	1200x600x1500		
Weight	kg	208		
Air outlet size	G	1/2"		
Dimensional drawing P/N	-	DIM0051		
Wiring diagram P/N	-	9016227		
End User Compressor Manual P/N	-	C197CC5270ML		