

OMEGA POWER SYSTEM

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

Compressor Model: **NOBEL CSA 90-08 DV**

- **V60MR97PWP045**

GENERAL DATA				
Nominal Input Power	kW	90		
	HP	125,0		
Drive Type	-	Direct 1:1		
Entire Compressor IP Grade	-	IP 2D		
Working Pressure	bar	7,5		
	psi	109		
Min. Working Pressure	bar	6		
	psi	87		
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	15900 / 5700		
	m ³ /min	15,9 / 5,7		
	c.f.m.	562 / 201		
Total Absorbed Power at full load (+ dryer)	kW	99,1	+	-
Total Absorbed Power at idle	kW	31		
Starting current / Rated current / Dryer current	A	n.a.	/	109 / -
Specific power absorption	kW/m ³ /min	6,23		
Max final air temperature above ambient	°C	10		
Removed Heat	kJ/h	312000		
Sound Pressure (acc. to ISO 3744:2010 - ISO 3745:2012-Annex A)	dB(A)	68 ± 3 dB(A)		
ELECTRIC MOTOR				
Nominal Motor Power	kW	90		
Size and Construction Form	-	280	-	IM B35
Synchronous Speed	min ⁻¹	1500		
Efficiency class and relative efficiency value	-	IE3	-	0,952
IP degree of protection and insulation class of the electric motor	-	IP 55	-	class F
Service factor	-	1,15		
VENTILATOR				
Type and number of installed fans	-	Radial	-	n. 1
Fan flow rate	m ³ /h	11601		
Nominal Power	kW	2,819		
IP degree of protection and insulation class of the fan	-	IP54	-	class F
LUBRICANT				
Type	-	RotarEcoFluid 46		
Oil quantity	l	52		
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	-	PTC thermistor		
DIMENSIONS & DOCUMENTATION				
Length/Width/Height	mm	2330	/	1460 / 1980
Weight	kg	3161		
Air outlet size	G	2"		
Drawing code	-	DIM0023		
Wiring diagram code	-	9017407		
Controller Type & Air-end Type	-	DNAir2	-	CF128G
End User Compressor Manual Code	-	#197E0717ML		