

# OMEGA POWER SYSTEM

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

Compressor Model: **NOBEL CSA 75E-10 DV**

- **V60ND97PWP045**

GENERAL DATA				
Nominal Input Power	kW	75		
	HP	100,0		
Drive Type	-	Gear		
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	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	10500 / 3800		
	m <sup>3</sup> /min	10,5 / 3,8		
	c. f. m.	371 / 134		
Total Absorbed Power at full load (+ dryer)	kW	87,1	+	-
Total Absorbed Power at idle	kW	26,7		
Starting current / Rated current / Dryer current	A	n.a.	/	93 / -
Specific power absorption	kW/m <sup>3</sup> /min	8,30		
Max final air temperature above ambient	°C	10		
Removed Heat	kJ/h	188000		
Sound Pressure (acc. to ISO 3744:2010 - ISO 3745:2012-Annex A)	dB(A)	72 ± 3 dB(A)		
ELECTRIC MOTOR				
Nominal Motor Power	kW	75		
Size and Construction Form	-	280	-	IM B35
Synchronous Speed	min <sup>-1</sup>	3000		
Efficiency class and relative efficiency value	-	IE3	-	0,947
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 <sup>3</sup> /h	5968		
Nominal Power	kW	1,71		
IP degree of protection and insulation class of the fan	-	IP54	-	class F
LUBRICANT				
Type	-	RotarEcoFluid 46		
Oil quantity	l	43		
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	-	PTC thermistor		
DIMENSIONS & DOCUMENTATION				
Length/Width/Height	mm	1730	/	1270 / 1700
Weight	kg	2940		
Air outlet size	G	2"		
Drawing code	-	DIM0018		
Wiring diagram code	-	9017739		
Controller Type & Air-end Type	-	DNAir2	-	FS260
End User Compressor Manual Code	-	#197EE0696ML		