

OMEGA POWER SYSTEM

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

Compressor Model: **NOBEL CSA 90-10 DV**

- **V60MF97PWP045**

| GENERAL DATA | | | | |
|--|------------------------|------------------|-----|-------------|
| Nominal Input Power | kW | 90 | | |
| | HP | 125,0 | | |
| 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 | 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 | 13400 / 4800 | | |
| | m ³ /min | 13,4 / 4,8 | | |
| | c. f. m. | 473 / 170 | | |
| Total Absorbed Power at full load (+ dryer) | kW | 99,8 | + | - |
| Total Absorbed Power at idle | kW | 31 | | |
| Starting current / Rated current / Dryer current | A | n.a. | / | 109 / - |
| Specific power absorption | kW/m ³ /min | 7,45 | | |
| 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) | 70 | ± 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 | - | #197EE0717ML | | |