

## VIJAČNI KOMPRESORJI 5.5-132kW E VSD SERIJA S FREKVENČNIM REGULATORJEM WK55 E VSD

### Frequency Controlled Screw Compressor - Appendix

Stationary, fully automatic, sound muffled in compact design.



#### WK 55 E VSD - Single-stage, air-cooled, electrically driven screw compressor system with coolant injection; Frequency-controlled - Belt Drive

<b>Screw compressor block</b>	Performance optimized screw profile Wendel F 12
<b>Drive motor</b>	<ul style="list-style-type: none"> <li>- Induction motor: OMEGA / Watt</li> <li>- Motor power: 55.0 kW</li> <li>- Efficiency of: 86.5%</li> <li>- Insulation class: F</li> <li>- Degree of protection: IP 55</li> <li>- Design: IE3 B35</li> </ul>
<b>Converter</b>	Dan Foss / Mitsubishi converter
<b>Suction filter</b>	Generously dimensioned air intake filter
<b>Separation system</b>	Long-term separator cartridge for constant. Coolant - residual content of 2-4 mg/m <sup>3</sup>
<b>Coolant</b>	Mineral: 46 or better, filling 30 l
<b>Lubricant circuit</b>	TÜV certified water bowl filled with mineral oil, lubricants cooler, filter and thermal block
<b>Cooling</b>	<ul style="list-style-type: none"> <li>- Air-cooled coolant and compressed air aftercooler</li> <li>- Integrated centrifugal separator with el. Condensate drain</li> <li>- Ambient Temperature Min./Max. +0/+45°C</li> <li>- Full cooling air density</li> <li>- Compressed air outlet temperature 10-12°C over ambient</li> <li>- Integrated Compact fan, 2.2 kW, 12000 m<sup>3</sup>/h</li> </ul>
<b>Cabinet</b>	Integrated, degree of protection IP 54, emergency Stop, Siemens
<b>Control and monitoring:</b>	
<b>Control</b>	<b>Logika</b> <ul style="list-style-type: none"> <li>- LCD Display</li> <li>- Symbol display of all important operating states</li> <li>- Via Control Panel, code protected</li> <li>- Plant in operation/ Standby / Load Test</li> <li>- Remote closing active</li> <li>- Automatic Restart</li> <li>- Final compression pressure</li> <li>- Final compression temperature</li> <li>- Operating mode: automatic, continuous optimization</li> <li>- Automatic mode</li> </ul>
<b>Pressure Sensor</b>	Sensor
<b>Error Messages</b>	Symbols and/or info Short Text
<b>Maintenance messages</b>	Symbols and/or info Short Text
<b>Options</b>	<ul style="list-style-type: none"> <li>- Interface for remote control</li> <li>- Various analogue and digital inputs and outputs</li> <li>- Collective fault message floating</li> </ul>
<b>Trim</b>	<ul style="list-style-type: none"> <li>- Temperature protected sound-absorbing hood with sound-absorbing lining</li> <li>- Large maintenance doors</li> <li>- Elastic storage unit on a stable</li> <li>- Sheet steel base frame</li> </ul>

<b>Options</b>	Preheating heating
<b>Compact unit</b>	Length x depth x height: 1300 x 1550 x 1750 mm Weight approx: 1300 kg Sound level at a distance of 1m 85 dB(A) Compressed air connection: R 1½" Paint: White RAL 9016, gray RAL 7001
<b>Electrical Installation</b>	Electrical Connection: 400V/50Hz/3 phases Cable size: 5 x 16.0mm (max 15m) Hedging 125 A (slow)

All technical data are specified in accordance with the DIN ISO 1217 Appendix C.

**MANUFACTURER OF THE MAIN COMPONENTS IN THE ESSENTIAL (PREFERABLY):**

Compressor stage: Wendel

Air filter: Spin-on

Oil filter and separator: MAN

