

VIJAČNI KOMPRESORJI 18-315kW DD SERIJA DIREKTNO GNANI WK250 DD

Frequency Controlled Screw Compressor - Appendix

Stationary, fully automatic, sound muffled in compact design.



WK 250 DD - Single-stage, air-cooled, electrically driven screw compressor system with coolant injection - Directly drive

Screw compressor block	Performance optimized screw profile Gardner Denver
Drive motor	- Induction motor: OMEGA / Watt - Motor power: 250.0 kW - Efficiency of: 94.5% - Insulation class: F - Degree of protection: IP 55 - Design: IE3 B35
Suction filter	Generously dimensioned air intake filter
Separation system	Long-term separator cartridge for constant. Coolant - residual content of 2-4 mg/m ³
Coolant	Mineral: 46 or better, filling 120 l
Lubricant circuit	TÜV certified water bowl filled with mineral oil, lubricants cooler, filter and thermal block
Cooling	- Air-cooled coolant and compressed air aftercooler - Integrated centrifugal separator with el. Condensate drain - Ambient Temperature Min./Max. +0/+45°C - Full cooling air density - Compressed air outlet temperature 10-12°C over ambient - Integrated Compact fan, 4.0 kW, 36000 m³/h
Cabinet	Integrated, degree of protection IP 54, emergency Stop, Siemens
Control and monitoring:	
Control	Logika
- Display - Display - Input - K -continuous display	- LCD Display - Symbol display of all important operating states - Via Control Panel, code protected - Plant in operation/ Standby / Load Test - Remote closing active - Automatic Restart - Final compression pressure - Final compression temperature - Operating mode: automatic, continuous optimization - Automatic mode
Pressure Sensor	Sensor
Error Messages	Symbols and/or info Short Text
Maintenance messages	Symbols and/or info Short Text
Options	- Interface for remote control - Various analogue and digital inputs and outputs - Collective fault message floating
Trim	- Temperature protected sound-absorbing hood with sound-absorbing lining - Large maintenance doors - Elastic storage unit on a stable - Sheet steel base frame

Options	Preheating heating
Compact unit	Length x depth x height: 3250 x 2250 x 2440 mm Weight: 6000 kg Noise level 88 dB(A) at a distance of 1m Compressed air connection: DN 100 Paint: White RAL 9016, gray RAL 7001
Electrical Installation	Electrical Connection: 400V/50Hz/3 phases Cable size: 5 x 120.0mm (max 15m) Hedging 315A (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: Gardner Denver

Air filter: Spin-on

Oil filter and separator: MAN

		WK 250 DD		
		8	10	
		112	140	
CCOMPRESSORTECHNICAL	Working Pressure (bar)			
	Working pressure [psi a]			
	Free air Delivery at max pressure (m ³ /min)	42,9	37,1	
	(kW/m ³ /min)	6,64	7,68	
	Test by DIN ISO 1217 Annex C			
	Working Temperature(C)	80		
	Thermostat (C)	71		
	Air outlet Temperature(at 20 C)	30		
	Oil Content (lt)	120		
	Air outlet Size (G)	DN100		
AIREND TECHNICAL	Noise level[dB(A)]	88		
	Airend Brand	WENDEL	Gardner Denver	
	Origin	East Asia	Finland	
	Airend Type	Oil Injected		
	RPM	1400-3000	1000-2500	
MAIN MOTOR DETAILS	Manufacturer	TURKISH		
	Origin	Turkey		
	Main Motor Power (kw)[hp]	250/330		
	Package power (kw)	285		
	RPM	3000		
	Protection class	IP55		
	Frame Construction	B35		
	Starting Current(A)(380V)			
	Frequency	50		
	Energy Class	IE2/IE3		
COOLING SYSTEM	Protection Class	F		
	Cooling system	Additional Cooling Fan		
	Cooling Fan Air Flow Condition [m3/h]	36000		
	Fan Static Pressure at max. Flow [Pa]	157,1		
	Fan Motor Power(kw)[hp]	4kwX2		
	Fan Motor rpm(rpm)	1420		
	Nominal Current (A)(380V)	8,7AX2		
	Cooler	Aluminium Monoblock		
	Cooling temperature.(at 25C)	35		
	Manufacturer	TURKISH		
TRANSMISSION SYSTEM	Drive Type	Direct coupling		
	Belt Type	-		
CONTROL PANNEL	Electric Components(INVERTOR)			
	Electric supply (V)	380/400		
	Kablo Kesiti15mt.)			
	Maximum Amper(A)(380V)	480		
	Yükteki Amper (A)(380V)	460		
AIR TANK AND DRYER	Boşta Amper(A)(380V)			
	Main Fuse			
	Control Panel	Logika 33S ITALY		
	Sıcaklık switchi			
	Hava tankı (önerilen)	5000		
CANOPY FEATURES	Kurutucu	N/A		
	Çiğlenme Noktası [°C] at ambient temp. 20°C, 30% r.h. and			
	Hat Filtresi (SU)	optional		
	Air Tank, Air Dryer and Dryer filters on the TK series, only air tank on the T serie.			
	Ölçüler(W X L X H) [cm]	3250X2250 X2440		
OTHER FEATURES	Paket ölçüsü (W X L X H) [cm]			
	Ağırlık [kg]	6000		
	Panel Filter Norm	EU3		
	Taşıma	By Forklift / Crane		
	İzolasyon	Fireproof Foam		
	Emiş Grubu	Normally Closed		
	Seperator Filter	Inline Seperator		
	Yağ Filter	2X Spin-on Filter by TAMSAN		
	Hava Filter	MANN type Heavy duty		
	Çalışma şşalteri	Transmitter 4-20 mA		
Emniyet Valve	CE Italy			
	yes			
	135 C Teflon			
		2 years factory warranty		
Our company reserves the right to change technical details without notice , this details can be different upon to countries.				