

TECHNICAL SPECIFICATION FOR 1EA-7KhZ-N

Genset model	1EA-7KhZ-N	Notes
Manufacturer	Rīgas Dīzelis DG (Latvija)	
Main electrical parameters		
Prime power electrical (PRP), kWe	7,0	
Maks. power electrical (LTP), kWe	7,7	
Power factor, cos φ	1,0	
Nominal voltage	1x230 V ±2,0%,	Invertor+AVR (professional)
Frequency	50 Hz +/- 1%	
Rated current (PRP)	30,4 A	
Temperature conditions of operation <i>Darbo temperatūros slygys</i>	(-30÷+40)°C	
Type of the equipment	Industrial	profesional
Engine		
Basic diesel engine	KD 425-2, Kohler/Lombardini (USA/Italy)	Cylinder: 2L, air cooling system
Fuel	Diesel fuel, EN590	
Engine mechanical power (ICXN-ISO 3046/1), kWm	5,5÷10,5	(1600÷3000) RPM
Engine protections	Low oil pressure, overheat	
Fuel consumption at 100%, L/h	2,7	
Fuel tank capacity, L <i>Degālų bako talpa, L</i>	10,0	With fuel level sensor
Fuel level and oil pressure sensors	Included	
Starting system	Electrical (12V), manual and automatic	
Alternator / Alternatorius		
Basic PMG alternator	Special model PM5G, 8,0 kVA	European, Top-class, 20-polu, PMG type, insulation class H, IP54, with invertor and AVR type regulation, in accordance with TS requirements
Control panel		
Control panel with measuring instruments	1) Motor-hours counter; 2) Low oil pressure indicator; 3) Voltmeter.	
Sockets	2 x 16A, 230 V 2P+E (SCHUKO)	
Sound and rain insulation	Roof and side panels with insulation	
Noise level at a distance of 7 m, dB(A)	80	With FAT protocol
Painting for genset body	DarkGreen (matt)	RAL6003 F9
Scope of supply		
Additional automatic panel with 5 m cables	AMF / ATS function (with breaker);	<i>Automatic start and stop depending on the state of the external electrical grid</i>
Special grounding kit	Galvanised ground rod 1 m long with wire (5 m)	
Battery, 12 V	Included	
Kit for moving of the unit	Two wheels and four carrying handles	
Dimensions without accessories, mm	800x540x650	
Genset weight without fuel and accessories, kg	138 max	
Genset testing protocol (FAT)	Included	
Warranty period	2 years	2000 m/h