

Generator 25kVA

Zone2 Rated

DNVGL2.7-1/EN10855

The Generator has been designed for wireline operations where an independent power supply is required. The frame incorporates forklift pockets and lifting padeyes for crane handling.

A wide range of generator Zone2 and certified DNVGL 2.7-1 / EN10855, from portable 10kva up to 400kva can be manufactured.

A wide range of
stand-alone power
generators for hazardous
area zone2.

Diesel Genset 25kVA Zone2

- Diesel engine ATEX water cooled Perkins 1103A-33G or equivalent 30.4kW @ 1500rpm / 35.4kW @ 1800rpm
- Spring starting system (air & electrical starter optional)
- Diesel Engine Protection EN1834-1 ATEX94/9/EC
- Water cooled exhaust manifold and heat exchanger for T3=200deg
- Inlet flame trap for IIB operation
- Inlet shut down valve and fuel shut down
- Exhaust flametrap
- Crankcase ventilation flametrap
- Antistatic fan belts
- Spark arrestor
- High water coolant temperature shut down at 100deg C
- High exhaust gas temperature shut down at 200deg C-T3
- Low oil pressure shut down at 0.8bar
- Overspeed valve shut down
- Screw fitting oil dipstick/ filter cap
- Brushless alternator twin bearing MIRETTI (original Mecc Alte alternator ECP32-4L/4B)
- Connectors 240VAC 1-Phase and 4150VAC 3-Phase
- Totally enclosed TEFC air cooled IP55 non sparking
- Voltage Regulation AVR
- ExnA/BIIT3, Atex 3G
- Class H insulation continuously rated and twin bearing
- Control box ATEX Zone2 (brand Stahl/ Marechal)
- MCCB/ ELCB 30mA
- Clearly laid out ergonomic anodized aluminium control panel with engine speed/ oil pressure/ oil temperature/ coolant temperature/ exhaust temperature/ air pressure gauges and hour meter
- Protection for all drive belts
- Sound attenuated protection (doors)
- Skid mounted frame structure certified DNVGL2.7-1/ EN10855

Dimensions & Weight

Dimension (L x W x H)	m	1.90 x 1.20 x 1.69	ft	6.23 x 3.4 x 5.35
Weight	kg	1800	lbs	4000



Specifications

General

Lifting Frame Standard	Sound Level @ 1 meter	Starting System	Paint Coating	Sling Set
DNVGL 2.7-1 BV	85 - 95 dBa	Spring Starter (pre-engaged, ATEX approved)	Hempadur Zinc 15360	BV approved with Crosby shackles

Engine

Manufacturer Model	Power @ 1500rpm / 1800rpm	Fuel Type	Turbo	Air Intake	Paint Coating
Perkins Electropak 1103A-33G with Full Miretti Engine Protection System	30.4kW / 35.4kW	Diesel (with integrated tank for 8 hours full load running) Fuel Consumption: 8.3L/Hour Max Tank Capacity: 120L	Yes	Chalwyn/Miretti	TDS 1505 Epoxy HR

Alternator

Manufacturer Model	Output Power	Output Frequency	Output Voltage	Power Factor	Standard Conformity	Paint Coating
MeccAlte ECP32-4L/4B	25kVA (20kW)	50Hz (option 60Hz)	415VAC 3-Phase 240VAC 1-Phase	0.8	IEC EExn IIA T3 ATEX 3G Zone 2	TDS 1505 Epoxy HR

Engine Control

Manufacturer	Engine Parameters	Engine Control	Options
Wilitec	Water temperature gauge Exhaust temperature gauge Oil pressure gauge	Fuel shut down Overspeed valve shut down	Engine Controller & Display Electrical sensors &

Electric Control Panel

Manufacturer	Earth Fault Protection	Electrical Outputs Monitor	Options
CORTEM	ELCB 30mA	Ex d panel box with protection system and indicator: <ul style="list-style-type: none"> 1 analog volt meter 0-500 V, with selector switch 1 analog ammeter 0-50 A, with selector switch 1 analog frequency meter 62Hz Electrical Protection: <ul style="list-style-type: none"> Main protection MCCB 40A with ELCB/RCD 30mA 1 MCB 32A, 4P, for 3 phase outlet protection 1 MCB 16A, 2P, for 1 phase outlet protection 	Alternator Controller & Display
Connectors		Ex d e outlet sockets: <ul style="list-style-type: none"> 1 socket, 3P+N+PE, 380 – 415 V, 32 A 1 socket, 1P+N+PE, 220 – 240 V, 16 A 	

System includes:

- High water coolant temperature shut down at 100deg C
- High exhaust gas temperature shut down at 200deg C-T3
- Low oil pressure shut down at 0.8bar
- Overspeed valve shut down
- Zone2 kit Electrical Version Miretti (including battery/battery isolator/charging alternator)
- Option starter : Air - Hydraulic - Electrical
- Option enclosure sound proof
- Option engine marine type



certificate by



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