

Generator 125kVA

Zone2 Rated

DNVGL 2.7-1/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 DNV GL2.7-1 / EN10855 (ex EN12079), from portable 10kva up to 400kva can be manufactured.

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

Diesel Genset 125kVA Zone2

- Diesel engine ATEX water cooled Perkins 1106A-70TAG3 or equivalent 179.8kW @ 1500rpm & 199.7kW @ 1800rpm
- Air Starter Jetstream Turbine (pre-engaged, ATEX approved)
- 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 MARATHON alternator 431RSL4013 IP44 rated, certified ATEX Zone2 per EN60079-0 and EN60079-15, IECEx per IEC60079-0 and IEC60079-15 IP54 for connection area
- Digital voltage regulator: DVR2000E
- Lightning arrestor and surge capacitor
- Space heater
- Stator winding RTD's
- Class H insulation continuously rated and twin bearing
- Control box ATEX Zone2
- 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
- Skid mounted frame structure certified DNVGL2.7-1/ EN10855

Dimensions & Weight (Container 15ft)

Dimension (L x W x H)	m	4.54 x 2.45 x 2.59	ft	14.90 x 8.00 x 8.50
Weight MGW	kg	10000	lbs	22046



Specifications

General

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

Engine

Manufacturer Model	Power 1500rpm / 1800 rpm	Fuel Type	Turbo	Air Intake	Paint Coating
Perkins Electropak 1106A-70TAG3 with Full Miretti Engine Protection System	179.8kW / 199.7kW	Diesel (with integrated tank for 8 hours full load running) Fuel Consumption: 25L/Hour Max Tank Capacity: 200L	Yes	Chalwyn/Miretti	TDS 1505 Epoxy HR

Alternator

Manufacturer Model	Output Power	Output Frequency	Output Voltage	Power Factor	Standard Conformity	Paint Coating
Marathon Regal 431RSL4013	125kVA (100kW)	50Hz	415VAC 3-Phase 230VAC 1-Phase	0.8	IEC EExn IIA T3 ATEX 3G Zone 2	TDS 1505 Epoxy HR

Engine Control

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

Electric Control Panel

Manufacturer	Earth Fault Protection	Electrical Outputs Monitor	Options
CORTEM	ELCB 30mA	<p>Ex d panel box with protection system and indicator:</p> <ul style="list-style-type: none"> ● 1 analog volt meter 0-500 V, with selector switch ● 1 analog ammeter 0-400 A, with selector switch ● 1 analog frequency meter <p>Electrical Protection:</p> <ul style="list-style-type: none"> ● 1 MCCB 200A 4P + RCCB/ELCB 30mA c/w handle on panel door ● 1 MCB 32A 2P c/w handle on panel door <p>Ex d e outlet sockets:</p> <ul style="list-style-type: none"> ● Direct connection on 3 Ph ● 1 socket 1P+N+E, 220-250 VAC, 32 A 	Alternator Controller & Display

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
- ESD (Emergency Shut Down) air system, air supply from the platform (no air=> engine shut down)

Options:

- Option starter : Air - Hydraulic - Electrical
- Option enclosure sound proof
- Option engine marine type



certificate by



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