

# DME-200

LEROY SOMER

Perkins  
Diesel Power

DSE

DME powers one of the biggest  
Commercial Infrastructures  
in the Middle-East

## Ratings @ 0.8 PF

Voltage	Frequency	Prime Rating	Stand-by Rating
230/400 V	50 Hz	180 kVA	200 kVA
230/400 V	60 Hz	197 kVA	219 kVA

The above ratings represent the generating set capability guaranteed within  $\pm 3\%$  at the reference conditions equivalent to those specified in ISO 8528/1 standard.

The applicable voltage range is 380V to 415V for 50Hz applications. For other voltages, please consult factory.



## Genset Details

Controller	DSE 7110,702 uk made
Base Frame	Heavy-duty fabricated steel
Circuit Breaker	3 Pole MCCB - 300 A
Engine Speed	1500 rpm - 1800 rpm
Fuel Tank Capacity	500L
Air Inlet	Mounted Air filter
Fuel System	Rotary type pump
Fuel Filter	Ecoplus fuel filter
Lubrication System	Wet steel sump with filler and dipstick
Cooling System	Thermostatically-controlled system with gear driven circulation pump & pusher fan Mounted radiator, piping and guards
Electrical equipment	12 V starter, 12 V 15 A Alternator  12 V shut-off solenoid energised to run
Flywheel / Housing	Housing SAE 3
Mountings	Front engine mounting brackets

## Dimensions

Closed Type	
Length	320cm
Width	120 cm
Height	1190cm
Weight	12015 kg

  

Open Type	
Length	270 cm
Width	90 cm
Height	1150 cm
Weight	1813kg

## Engine Technical Data

Make & Model	PERKINS 1106A70TAG3
Number of Cylinders	6 vertical In-line
Bore and Stroke	105 x 135 mm   4.13 x 5.31 in
Displacement	7.01 Liters   428in <sup>3</sup>
Aspiration	Turbocharged
Cycle	4 Stroke
Combustion System	Direct Injection
Compression Ratio	16.1
Rotation	Anti-clockwise, viewed on flywheel
Total Lubrication Capacity	16.5 Liters   4.36 gal
Cooling System	Water-cooled
Total Coolant Capacity	21 Liters   5.5 gal
Governor	Mechanical

Make & Model	Leroysomer TAL046 A
Frequency / Poles	50 ,60 Hz / 4
Ingress Protection	IP 23
Insulation Class	H
Terminals (optional)	6 / 12
Excitation system	Shunt
Winding pitch	2/3
AVR Model	R150
Overspeed	2250 RPM
Voltage regulation	$\pm 1\%$
Coolant Air Flow	0.06m <sup>3</sup> /s

**Prime** These ratings are applicable for supplying continuous electrical power (at variable load).  
There is no annual hours limitation and this genset can supply 10% overload for 1 hour  
in 12 hours

**Standby** These ratings are applicable for supplying continuous electrical power (at variable load)  
in the case of emergency power supply. No overload is permitted on these ratings.  
The Alternator on this model is peak continuous rates ( as defined in ISO 8528-3)

## Exhaust System

Max. Back Pr. kPa	6.0
Exhaust Gas Flow m <sup>3</sup> /min (cfm)	Prime 131.55(1114.17) Standby 33.85(1195.4)
Exhaust Gas Temp. C (F)	Prime 491(915.8)) Standby 491(915.8))



The complete Generating Set is type-tested according to ISO 8528-8 Standard.



The control panel is certified by an ISO 17025 accredited laboratory to have P55 according to IEC 60335 Quality ISO 9001

## Standard Reference Conditions Note:

Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to B52869: 1998, Class A

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