

LL0 200 GENSET (50 HZ)

LL0 200/175, LL0 200/200, LL0 200/225

*Prime power outputs: 175 kVA, 200 kVA, 225 kVA
Standby power outputs: 193 kVA, 220 kVA, 248 kVA*

HEAVY DUTY RADIATOR COOLED BASE MOUNTED OPEN GENERATING SET

FEATURES

- three phase, 50 Hz
- OMEGA 200 liquid cooled turbocharged intercooled six cylinder diesel engine
- control panel with electronic digital control module
- tropical radiator for excellent cooling
- single bearing brushless alternator
- guarded pusher fan, to keep control module, alternator and engine cool
- anti vibration mounts on engine and alternator
- battery leads and brackets
- fabricated steel skid base
- electro mechanical governing
- operators' handbook

OPTIONAL ITEMS

- cold start capability to -40 °C

ENGINE FEATURES

- 24 volt electric starting
- 35 Amp battery charging alternator
- twin oil and fuel filters
- heavy duty air cleaner
- fuel solenoid

ALTERNATOR SPECIFICATIONS

- single bearing brushless
- solid state AVR with $\pm 1.5\%$ voltage regulation as standard



OMEGA 200 GENSET

- class "H" insulation on the rotor and stator
- IP22 protection class

CONTROL SYSTEM FEATURES

The control system provides:

- manual and automatic control
- emergency stop button
- power switch
- idle switch
- cold start switch
- AC circuit breaker
- monitoring of generating set functions
- lockable preset controls for frequency (speed) and voltage adjustment

CONTROL MODULE FEATURES

The control module displays:

- voltage (V)
- current (A)
- power (kW)
- power factor
- frequency (Hz)
- engine water temperature (°C)
- engine speed (r/min)
- battery voltage (V)
- engine oil pressure (kPa)
- hours run (h/min/sec)
- cumulative energy generated (kWh)
- date and time (digital)
- mains voltage (V)
- generator voltage (V)
- load (A)
- mode (manual or automatic)

FAULT WARNINGS

The generating set will warn of the following fault conditions:

- cooling water temperature too high
- lubricating oil pressure too low
- engine speed outside set parameters
- generator frequency outside set parameters
- generator voltage outside set parameters
- battery voltage is abnormal
- failure to stop
- failure to crank
- loss of speed

The warning alarm will be triggered and the protection system will shut down the set under the following conditions:

- low oil pressure
- high water temperature
- overspeed or underspeed
- generator over current
- emergency stop button pressed

POWER OUTPUTS							
Model	Frequency	Power Rating			Voltage	Fuel Consumption (L/h)	
						100% load	75% load
LLO 200/175	50 Hz, 1500 r/min	Prime	175 kVA	140 kW	3-phase 380/220 400/230 415/240	38.60	29.50
		Standby	193 kVA	154 kW			
LLO 200/200		Prime	200 kVA	160 kW	3-phase 380/220 400/230 415/240	43.59	33.27
		Standby	220 kVA	176 kW			
LLO 200/225		Prime	225 kVA	180 kW	3-phase 380/220 400/230 415/240	47.23	36.13
		Standby	248 kVA	198 kW			

All ratings in the table above are in accordance with ISO 8528-1. Power Factor: 0.8 pf. Other products are available; refer to Lister Petter for details.

RATING DEFINITIONS TO ISO 8528-1

Rating Conditions

A standard generating set is designed to operate in environmental reference conditions of 25 °C, 100 kPa and 30% humidity.

Prime Power

This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for one hour in twelve hours.

Standby Power

This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

APPROXIMATE DIMENSIONS AND WEIGHT



Model		LLO 200/175	LLO 200/200	LLO 200/225
Dry weight	kg	2000	2100	2200
	lb	4400	4620	4840
Length (A)	mm	2790	2790	2790
	in	110	110	110
Height (B)	mm	1600	1600	1600
	in	63	63	62
Width (C)	mm	870	870	870
	in	34	34	34

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