



# OMEGA Series

# OMEGA 200

# G-Build Engine

**OWTA6 2015, OWTA6 2018**

*Continuous power output: 200 and 235 kW (268 and 315 bhp)*

*Overload power output: 220 and 258 kW (295 and 346 bhp)*

*Full-load fixed speeds: 1500 and 1800 r/min*

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*Turbocharged and intercooled heavy-duty G-Build diesel engine*

#### **Suitable for:**

- ✓ Gensets
- ✓ Water pumps
- ✓ Co-generation
- ✓ Military uses

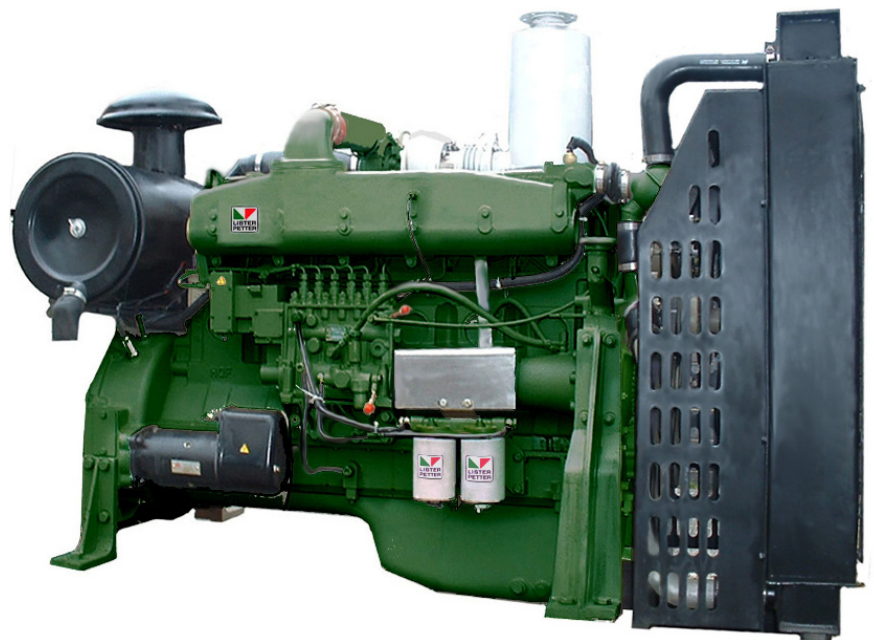
#### **General Characteristics:**

- six cylinders
- diesel fuelled
- liquid cooled
- direct injection
- turbocharged
- intercooled

#### **Special Design Features:**

- designed for continuous operation in ambient temperatures up to 52 °C (122 °F)
- electromechanical governing
- cold-start aid
- pusher-type cooling fan

(See overleaf for more features.)



#### **Warranty**

- standard: two years
- optional: five years

Conditions apply.

#### **Optional Items**

- extended five-year warranty

## OMEGA Series: OMEGA 200 G-Build Engine Technical Data Sheet

### Equipment and Features

- Twin lubricating-oil filters
- Twin fuel filters
- Heavy-duty cyclonic air cleaner, 9<sup>1</sup>/<sub>2</sub>"
- 24V electric starting; starter motor power: 5.4 kW
- 24V, 35-Amp, battery-charging alternator
- Bosch 'P' type high-pressure fuel injection pump
- SAE 1 flywheel housing, 14" flywheel
- Forged steel crankshaft
- Internal crankcase breather system
- Engine support feet
- Oil cooler
- 250-hour service intervals
- Operators' handbook
- Radiator/intercooler and guard<sup>1</sup>
- Oil cooler
- Operators' Handbook

Technical Data			
		OWTA6 2015	OWTA6 2018
Number of cylinders		6	6
Type of fuel injection		Direct	Direct
Aspiration		Turbocharged, intercooled	Turbocharged, intercooled
Direction of rotation, looking on the flywheel end		Anticlockwise	Anticlockwise
Nominal cylinder bore	mm	126	126
	in	4.96	4.96
Stroke	mm	130	130
	in	5.12	5.12
Total cylinder capacity	litre	9.726	9.726
	in <sup>3</sup>	593.5	593.5
Compression ratio		16.5 : 1	16.5 : 1
Full-load fixed speed	r/min	1500 <sup>2</sup>	1800 <sup>2</sup>
Lubricating-oil pressure: mean, and with the oil at 110 °C (230 °F)	bar	3.5	3.5
	lbf in <sup>2</sup>	51	51

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Power Outputs <sup>1</sup> and Fuel Consumption to ISO 3046 <sup>2</sup>					
			1500 r/min	1800 r/min	
OWTA6 2015 OWTA6 2018	Continuous power <sup>2</sup>	kWm	200	235	
		bhp	268	315	
	Overload power <sup>2</sup>	kWm	220	258	
		bhp	295	346	
	Specific fuel consumption		g/kWh	205	210

1. Power ratings measured at the flywheel, and fuel consumption figures, apply to a fully run-in, non-derated engine without a radiator and fan fitted, and without power-absorbing accessories or transmission equipment.

### Rating Definitions, to ISO 3046

#### 1. Fixed speed power: continuous power (ICN)

The power in kW which the engine is capable of delivering continuously at the stated crankshaft speed, under conditions of 100 kPa barometric pressure, 30% relative humidity and 25 °C air inlet temperature, provided that the engine is overhauled and maintained in good operating condition and that fuel to BS EN 590 Class A1 or A2, and lubricating oils to the correct performance specification and viscosity classification as recommended by Lister Petter Limited, are used.

#### 2. Fixed speed power: overload power (ICXN)

The maximum power in kW which the engine is capable of delivering intermittently at the stated crankshaft speed for a period not exceeding one hour in any period of twelve hours continuous running, immediately after working at the continuous power, under the conditions specified in (1) above.

#### 3. De-rating

For non-standard site conditions, reference should be made to relevant BS, ISO and DIN standards.

The overload capability applies to a fully run-in engine. This is normally attained after a running period of about 50 hours.

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Approximate Dimensions and Weight			
<p>Length, Height and Width</p>	OWTA6 2015, OWTA6 2018		
	Dry Weight	kg	880
		lb	1938
	Length (A)	mm	1963
		in	77.3
	Height (B)	mm	1600
		in	63.0
	Width (C)	mm	855
		in	33.7

A comprehensive range of options allows you to select a specification that matches your requirements. Please ask your Lister Petter distributor. (See panel below left.)

**Distributor's Address**

Lister Petter have made efforts to ensure that the information in this data sheet is accurate but reserve the right to amend specifications and information without notice and without obligation or liability.



**UK**

Lister Petter Limited, Dursley, Gloucestershire  
 GL11 4HS England; Tel: +44 (0)1453 544141;  
 Fax: +44 (0)1453 546732;  
 E-mail: sales@lister-petter.co.uk <http://www.lister-petter.co.uk>