

# OMEGA 200 G BUILD

## OWTA6 2015, OWTA6 2018

*Continuous power output: 185-235 kW (248-315 bhp)*

*Fuel stop power output: 203-258 kW (272-346 bhp)*

*Full load speed range: 1500 and 1800 r/min*

### HEAVY DUTY LIQUID COOLED G BUILD DIESEL ENGINES

#### SUITABLE FOR:

- gensets
- water pumps
- co-generation
- military uses

#### GENERAL CHARACTERISTICS

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

#### SPECIAL DESIGN FEATURES

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

#### OPTION

- tropical cooling package for the OW-TA6 2015-200 designed for operation in high ambient temperatures

#### EQUIPMENT AND FEATURES

- twin lubricating-oil filters
- twin fuel filters
- heavy duty air cleaner, 9 1/2"



OMEGA 200 G BUILD ENGINE

- 24-Volt electric starting (starter motor power: 5.4 kW)
- 24V, 35-Amp, battery charging alternator
- Bosch P type high-pressure fuel injection pump
- anti clockwise rotation (looking on flywheel end)
- SAE 1 flywheel housing, 14" flywheel
- forged steel crankshaft
- internal crankcase breather system
- engine support feet
- radiator/intercooler and guard (Omega 200)\*
- oil cooler
- operators' handbook

POWER OUTPUTS <sup>1</sup> TO ISO 3046 <sup>2</sup>					
	Engine Model		1500 r/min	1800 r/min	
OMEGA 200 G Build	OWTA6 2015-185	Continuous power	kWm	185 <sup>[1]</sup>	
			bhp	248 <sup>[1]</sup>	
		Fuel Stop power	kWm	203 <sup>[1]</sup>	
			bhp	272 <sup>[1]</sup>	
	OWTA6 2015-200 <sup>3</sup>	Continuous power	kWm	200 <sup>[1]</sup>	
			bhp	268 <sup>[1]</sup>	
		Fuel Stop power	kWm	220 <sup>[1]</sup>	
			bhp	295 <sup>[1]</sup>	
	OWTA6 2018-235	Continuous power	kWm		235
			bhp		315
		Fuel Stop power	kWm		258
			bhp		346

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

[1] Denotes emissions compliant to EU Stage 2 and India GSR 448 (E) only

### RATING DEFINITIONS TO ISO 3046

#### 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.

#### 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.

#### 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.

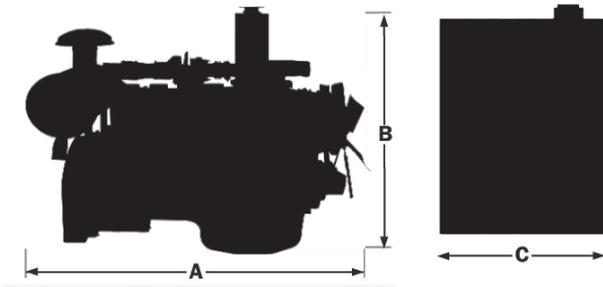
FUEL CONSUMPTION <sup>2</sup>				
	Engine Model		1500 r/min	1800 r/min
OMEGA 200 G Build	OWTA6 2015-185	g/kWh	205	
	OWTA6 2015-200 <sup>3</sup>	g/kWh	205	
	OWTA6 2018-235	g/kWh		210

#### Notes

- Power ratings are measured at the flywheel end. See rating definitions below.
- Power ratings 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.
- If the OWTA6 2015-200 is for use in high ambient temperatures, the optional tropical cooling package is recommended. Please ask your sales representative for more information.

\* Supplied separately. See also note 3.

**APPROXIMATE DIMENSIONS AND WEIGHT**



Model		OWTA6
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

\* Dimensions include radiator.

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

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