

► **Technical data**



Engine type		TBD 616 V8	TBD 616 V12	TBD 616 V16
Model		60° V-engine	60° V-engine	60° V-engine
Number of Cylinders		8	12	16
Bore/stroke	mm (in)	132/160 (5.20/6.30)	132/160 (5.20/6.30)	132/160 (5.20/6.30)
Displacement	l (cu.in)	17.52 (1069)	26.28 (1604)	35.04 (2138)

Power ratings for marine propulsion units

Acc. to power category A¹⁾

at 1500 min ⁻¹	kW / BHP	320 (429)	480 (643)	640 (858)
at 1800 min ⁻¹	kW / BHP	407 (546)	610 (818)	814 (1091)
at 2100 min ⁻¹	kW / BHP	480 (643)	720 (965)	960 (1287)

Acc. to power category B²⁾

at 2165 min ⁻¹	kW / BHP	N/A	860 (1153)	1135 (1521)
---------------------------	----------	-----	------------	-------------

Acc. to power category C³⁾

at 2235 min ⁻¹	kW / BHP	N/A	946 (1268)	1250 (1675)
---------------------------	----------	-----	------------	-------------

Acc. to power category D⁴⁾

at 2300 min ⁻¹	kW / BHP	N/A	1030 (1380)	1360 (1823)
---------------------------	----------	-----	-------------	-------------

Power ratings for on-board generating sets

Continuous power⁵⁾

at 1500 min ⁻¹	kW / BHP	384 (515)	576 (772)	768 (1030)
at 1800 min ⁻¹	kW / BHP	432 (579)	648 (869)	864 (1158)

Specific fuel consumption⁶⁾

at 1500 min ⁻¹	g/kWh (gal/hr)	190 (19.2)	190 (28.7)	190 (38.3)
at 1800 min ⁻¹	g/kWh (gal/hr)	192 (24.6)	192 (36.9)	192 (49.2)
at 2100 min ⁻¹	g/kWh (gal/hr)	202 (30.5)	202 (45.8)	202 (61.1)

Weight with heat exchanger
IMO NO_x⁷⁾ kg / lbs

		1900 (4190) fulfilled	2450 (5400) fulfilled	3000 (6620) fulfilled
--	--	--------------------------	--------------------------	--------------------------

1) Net brake fuel stop power for continuous operation unlimited in time. SCFN to ISO 3046/7.
Application: Workboats, running time; unlimited.

2) Net brake fuel stop power for continuous operation, SCFN to ISO 3046/7.
Application: High-speed passenger ships and ferries. Running time: max. 3000 hrs/year.

3) Net brake fuel stop power for operation limited in time. SFN to ISO 3046/7.
Application: Patrol boats; running time max. 2000 hrs/year.

4) Net brake fuel stop power as max. power. SFN to ISO 3046/7.
Application: Yachts, high-speed patrol boats. SFN to ISO 3046/7, running time: max. 1000 hrs/year.

5) Continuous power for generating sets, overloadable by 10% for 1 hour within an operating period of 12 hours. SCXN to ISO 3046/7.

Application: On-board generating sets, running time: unlimited.

6) At rated power point. Refers to power category A, consumption-optimized version to ISO 3046/1, without engine-driven coolant pumps.

7) NO_x limits values to IMO MARPOL 73/78 Annex VI.

Power declarations based on the following ambient conditions:

25° C (77° F) intake air temperature, 45° (113° F) charge air coolant temperature, barometric pressure 1000 mbar.

The values given in this data sheet are for information purposes only and not binding. The data provided in the offer is decisive.