

WEICHAI

Marine Propulsion Engine

8WH20



Technical Data

Engine Model	8WH20LC2000-1	8WH20LC2176-1	8WH20LC2400-1
Rated Power, Hp(kw)	2000(1470)	2176(1600)	2400(1765)
Rated Speed (rpm)	1000		
Power Rating	P1		
Min. Fuel Consumption, g/(kW·h)	185		
Number of Cylinders & Configuration	in-line 8		
Description	4-stroke, direct-injected, turbocharged diesel engine with air cooler		
Bore x Stroke, mm	200 x 300 mm		
Displacement, L	74.39 L		
Compression Ratio	15:1		
Dry Weight, kg	11800 kg		
Emission	IMO Tier II		
Firing Order	1-3-7-4-8-6-2-5		
Idle Speed, r/min	400		
Flywheel housing/Flywheel	Ø 635		

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Class Definition

Power Classification	Time at full load	Mean Engine Load Factor	Annual Working Time
P1 Continuous Duty	Unlimited	70% ～ 100%	recommended but not limited to 5000h-8000h
P2 Heavy Duty	8h per 12h	40% ～ 80%	recommended but not limited to 5000h
P3 Intermittent Duty	4h per 12h	40% ～ 80%	recommended but not limited to 3000h
P4 Light Duty	2h per 8h	60%	recommended but not limited to 1000h
P5 High Performance Duty	0.5h per 5h	60%	recommended but not limited to 500h

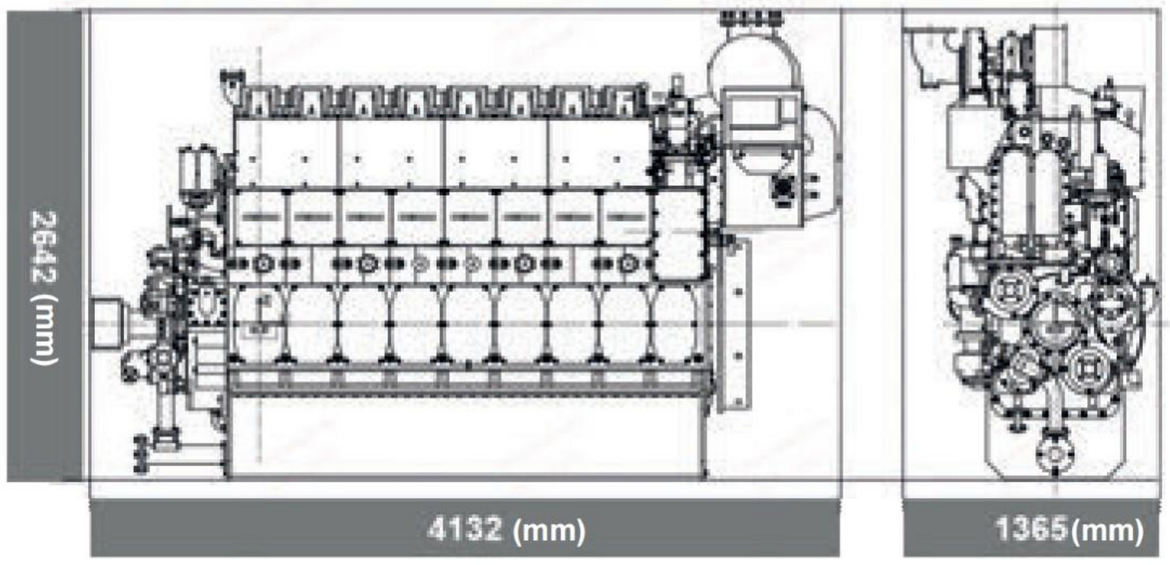
Power Definition

Standard ISO 3046 -1



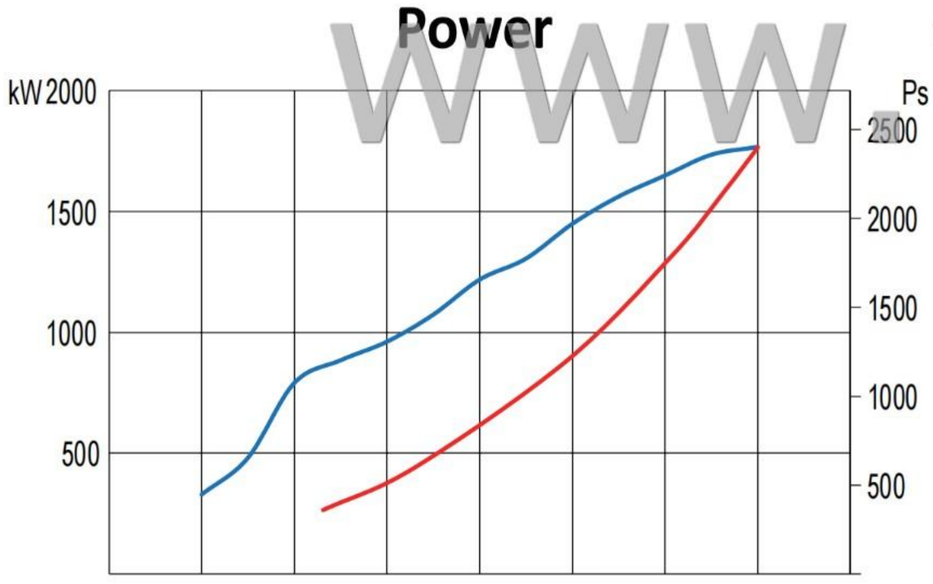
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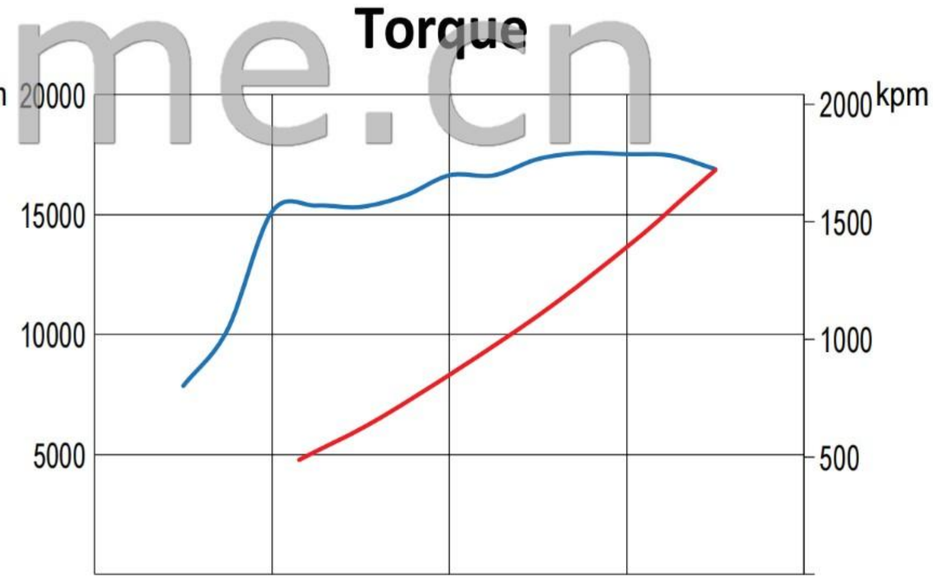
Engine Dimensions (mm)

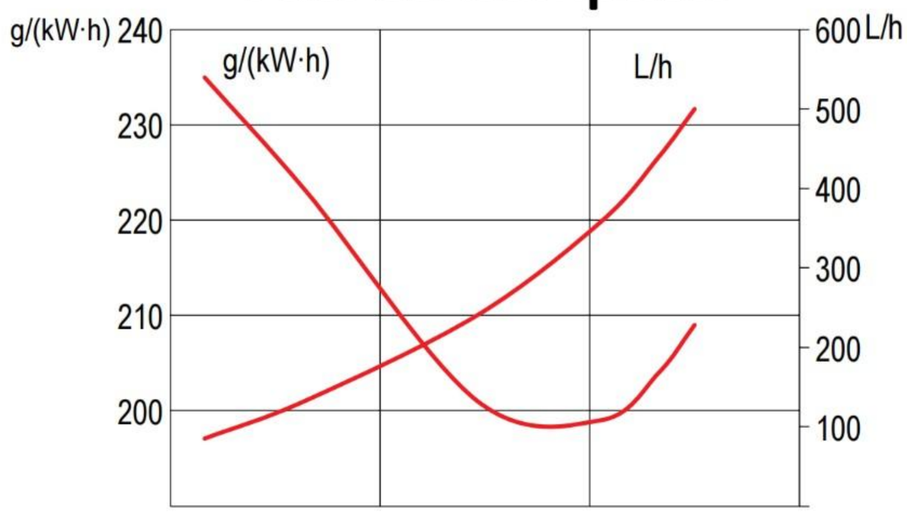


Performance Curves (8WH20LC2400-1)

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Full load speed characteristics

Propeller characteristics