

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

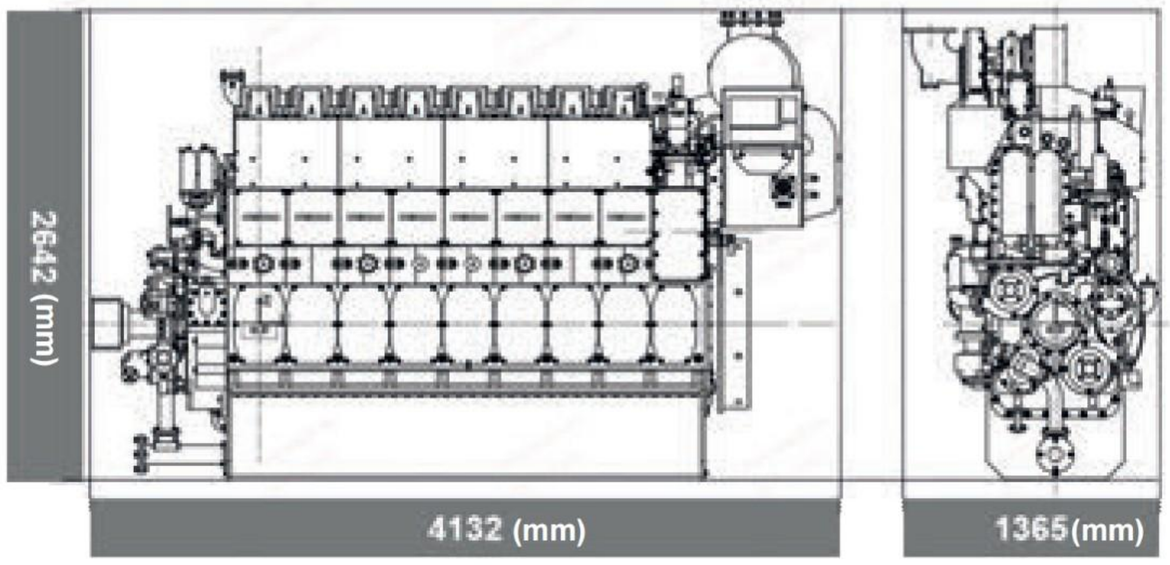
Power Definition

Standard ISO 3046 -1



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Engine Dimensions (mm)



Performance Curves (8WH20LC2400-1)

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