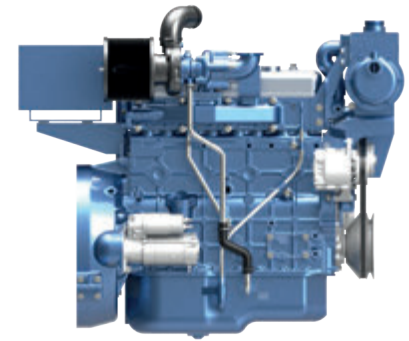
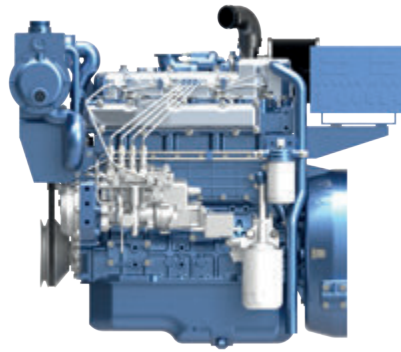


WP4.1



Technical Data

Engine Model	WP4.1C54-15	WP4.1C68-15	WP4.1C82-18
Rated Power, Hp(kw)	54(40)	68(50)	82(60)
Rated Speed (rpm)	1500	1500	1800
Power Rating		P1	
Min. Fuel Consumption, g/(kW·h)		212	
Number of Cylinders & Configuration		In-line 4	
Description	4-stroke, direct-injected, turbocharged diesel engine		
Bore x Stroke, mm		105 x 118 mm	
Displacement, L		4.09 L	
Compression Ratio		17:1	
Dry Weight, kg		400 kg	
Emission		IMO Tier II	
Firing Order		1-3-4-2	
Idle Speed, r/min		650 ± 30	
Flywheel housing/Flywheel		SAE 3/11.5"	

Class Definition

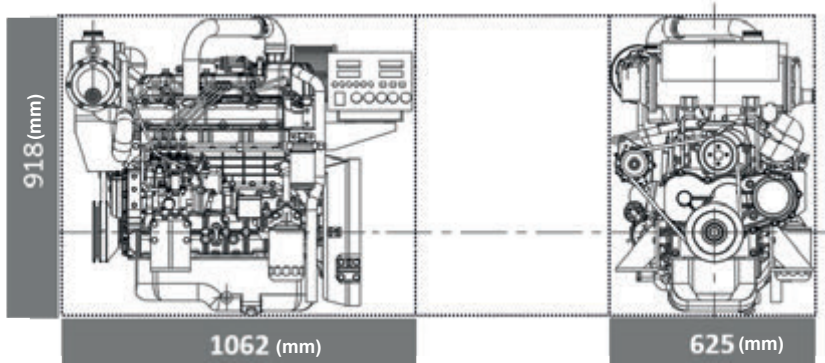
Power Classification	Time at full load	Mean Engine Load Factor	Annual Working Time
P1 Continuous Duty	Unlimited	70% ~ 100%	recommended but not limited to 5000h-8000h
P2 Heavy Duty	8h per 12h	40% ~ 80%	recommended but not limited to 5000h
P3 Intermittent Duty	4h per 12h	40% ~ 80%	recommended but not limited 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

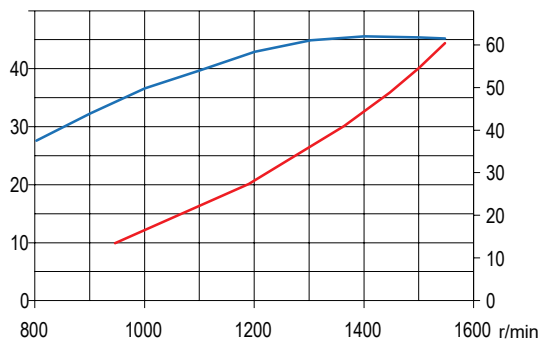
WP4.1

Engine Dimensions (mm)

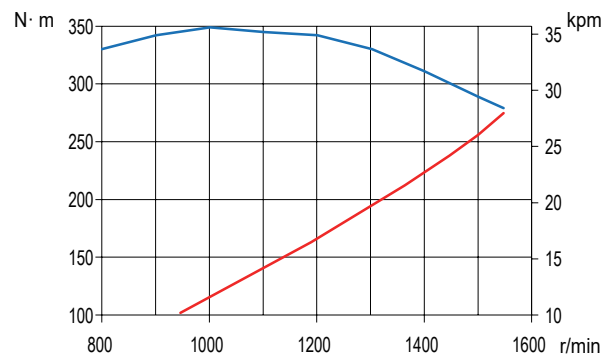


Performance Curves (WP4.1C82-18)

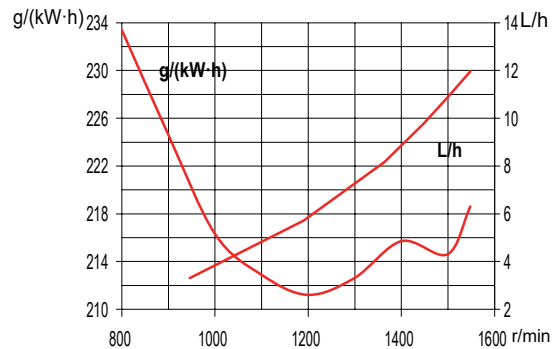
Power



Torque



Fuel Consumption



— Full load speed characteristics — Propeller characteristics