

MARINE ENGINE

# SDZ-280/SDZ-280R

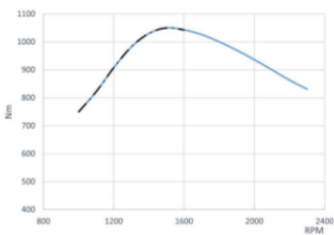
6 cylinders In line 272 CV(200 kW) 2300 R.P. M.  
6 cylinders In line 195 CV (195 kW) 1600 RPM

## Technical specifications

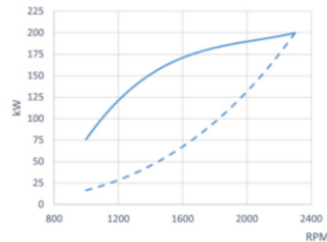
Base engine manufacturer	Deutz	
Type	Diesel, 4 stroke	
Number of cylinders	6, In line	
Intake system	Turbocharged intercooler	
Bore x Stroke	108 mm x 130 mm (4.25 in x 5.12 in)	
Total displacement	7146 cc	
Compression ratio	17.5:1	
Rating	S2 (SDZ-280)	S1 (SDZ-280 R)
Intermittent power <sub>SN_ (ISO3046/1)</sub>	272 CV(200 kW)	195 CV (143 kW)
Continuous power	245.0 CV(180 kW)	175 CV (129 kW)
Max RPM	2300	1600
Injection system	Mechanical and indirect	
Starter motor	24 V(4 kW)	
Alternator	55 A (24 V)	
Maximum operating angle	10 °	
Rotation (viewed from flywheel side)	Counterclockwise	
Cooling system	Seawater heat exchanger and coolant closed circuit	
Dry weight without gearbox	680 Kg (1499.1 lb)	
Seawater hose inner diameter	42 mm (1.65 in)	
Fuel feeding hose inner diameter	12 mm (0.47 in)	
Fuel return hose inner diameter	12 mm (12 in)	
Exhaust hose inner diameter	125 mm (4.92 in)	
Certifications and emissions	-	
Emission compliance	-	

## Performance curves

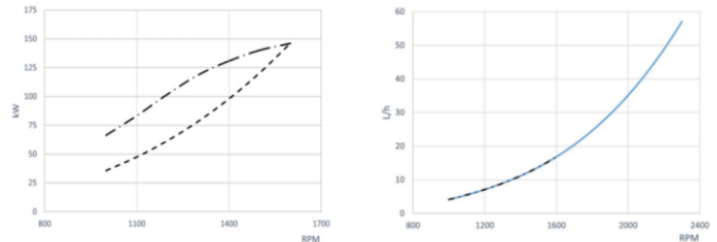
Crankshaft torque



Power (ISO3046/1)



Fuel consumption



S2 (SDZ-280) —————  
S1 (SDZ-280R) - - - - -

—————  
- - - - -  
Potencia Motor

—————  
- - - - -  
Potencia Propulsor

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- - - - -

## Panel



Dimensions: 255 x 160mm

### Panel SSG30 Panel 24V White Standard

Revolution counter with multifunction display

Coolant temperature and oil pressure gauge

Voltage indicator and battery charge fault

High coolant temperature alarm

Low oil pressure alarm

Preheating indicator

Front IP65 protection and anti-fog glass

5-position key

## Accessories

### Standard equipment

Instrument panel SSG30

4 m electrical extension lead

Oil extraction pump

Owner's manual and spare parts manual

### Optional equipment & kits

Twin instrument panel installation

Twin alternator

Earth isolated electrical system

Dry exhaust system

Keel cooling

Power takeoff shaft or pulley

Calorifier Connections

Drivetrain: propeller, shaft, stern tube

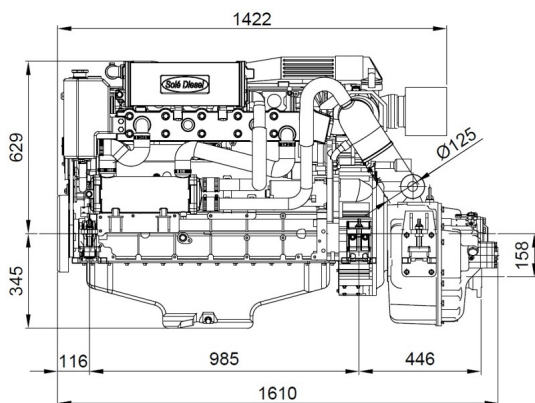
Water and fuel filters

Water, exhaust and die

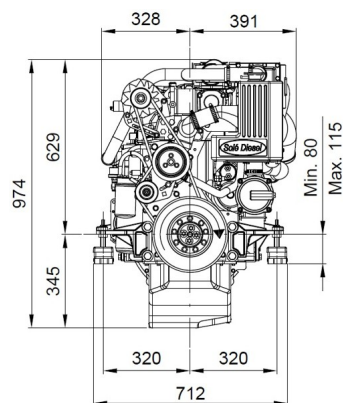
## Gearboxes

Model	Type	Output °	Reductions(light Duty)	Reductions(heavy Duty)	Engineweight with gearbox
DMT-100HL	Hydraulic	0°	-	4.07:1-4.50:1-4.95:1-5.29:1	957 Kg (2109 Lbs)
DMT-100IV	Hydraulic	14°	-	2.12:1	842 Kg (1856 Lbs)
TM-1200A	Hydraulic	7°	1.44:1-2.00:1-2.30:1	1.44:1-2.00:1	806 Kg (1778 Lbs)
TM-360	Hydraulic	0°	-	3.50:1-4.00:1-5.00:1	1111 Kg (2449 Lbs)
TM-880A	Hydraulic	10°	-	-	745 Kg (1642 Lbs)

## Dimensions



SDZ-28024V Engine TM-265 2.09:1 Gbox.



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