

PERFORMANCES

RATINGS		50 Hz		60 Hz	
		PRIME	STAND-BY	PRIME	STAND-BY
Rated output	kWm	264	291	288	320

Ratings in accordance with ISO 8528 - Standard reference conditions : 25°C air inlet temperature ; 1000 mbar ; 30% relative humidity - Power factor 0.8

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. No kind of overload is permissible for this use.

TECHNICAL DATA

Engine model	8210SRi26		Cooling system	liquid (water + 50% Parafllu I I)
Diesel 4 stroke - Injection type	direct		Lube oil specifications	ACEA E3-API CF4/MILL2104E/F
N° of cylinders	6 in line		Lube oil consumption	< 0.5% of fuel consumption
Total displacement	L	13.8	Fuel specifications	EN 590
Bore x Stroke	mm	137 x 156	Speed governor	electronic (G3 class)
Compression ratio	16.5 : 1		Engine rotating mass moment of inertia	kg.m ² 3.928
Aspiration	turbocharged aftercooled		Flywheel housing / Flywheel	SAE I / 14"

TECHNICAL DATA

	RPM	1500	1800	
BMEP	kPa	1530	1157	
Fuel consumption at :	100% load	l/h	66.5	79.1
	75% load	l/h	50.6	59.9
	50% load	l/h	36.4	43.0

AIR INDUCTION SYSTEM

Intake air flow.	m ³ /h	1580	1780
Maximum suggested intake restriction :			
with clean air filter	kPa	2.45	
with dirty air filter	kPa	4.9	

INJECTION

Injection system	mechanical		
Max speed drop steady conditions	isochronous		
Max fuel feed pump suction head	m	0.8	

EXHAUST SYSTEM

Exhaust gas flow	kg/h	1900	2140
Max exhaust temperature at full load (at 25°C - after turbine)	°C	440	450
Max allowable exhaust backpressure	kPa	4.9	

COOLING SYSTEM

Coolant capacity : engine only	liters	~ 30	
	engine + radiator	liters	~ 81
Cooling water flow rate	l/min	361	433
Max allowable pressure drop on external water circuit	Pa	9.8	10
Pusher fan air flow	m ³ /s	5	7
Pusher fan head (static)	Pa	490	
Pusher fan absorbed power	kW	8	16
Max engine outlet water temperature (Alarm)	°C	98	
ATB (without canopy) - nominal rating	°C	50	

No remote cooling radiator allowed

LUBRICATION SYSTEM

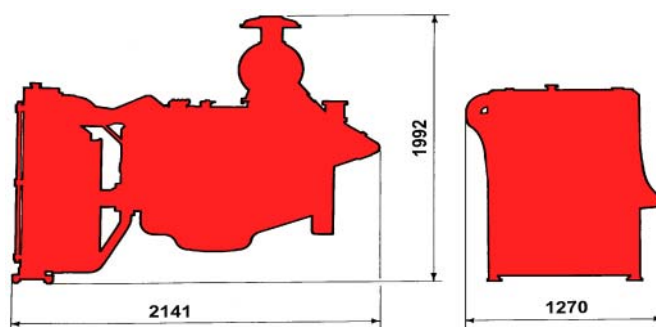
Lube oil total system incl. sump, filters etc.	kg (l)	~ 25 (27.5)
Oil capacity of standard sump :		
at min. level	kg (l)	~ 12 (13.2)
at max level	kg (l)	~ 20 (22)
Maximum oil temperature	°C	120
Oil pressure (min/max)	kPa	196

	RPM	1500	1800
HEAT REJECTION (at full load conditions)			
Engine to coolant (water + oil)	kcal/kWh	360	400
Engine to exhaust	kcal/kWh	690	780
Radiated to ambient	kcal/kWh	64	51
Engine supercharged air to coolant	kcal/kWh	160	153

ELECTRIC STARTING SYSTEM

Cranking motor rating	kW	6.6
Auxiliary voltage	Vcc	24
Battery-charge alternator	A	30
Starting batteries :		
Recommended capacity	Ah	2 x 155
Discharge current	A	660

DIMENSIONS AND WEIGHTS



Engine dry weight, standard configuration

kg 1360

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Specifications subject to change without notice
Illustrations may include optional equipment.

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