

GP2.SPEC.400.4.B	BROAD SPECIFICATIONS	SECT.	GeneratorJoe®
SHEET NO. A1	2R550NA 11.5kW @1800 rpm	A	k+rloskar Oil Engines

BROAD SPECIFICATIONS OF ENGINE SUITABLE FOR GENERATING SET APPLICATION

S. NO.	PARAMETER	UNIT	VALUE
1.1	Engine Model	--	2R550NA
1.2	Emission compliance	--	Tier IV
1.3	Engine cooling	--	Water cooled
1.4	Bore x Stroke	mm x mm	86 x 94
1.5	No. of cylinders	--	2
1.6	Total displacement	cc	1092
1.7	Valves per cylinder – intake/exhaust	--	1/1
1.8	Compression Ratio	--	19.7:1
1.9	Firing order (starting from flywheel end)	--	1-2
1.10	Combustion system	--	Direct Injection
1.11	Aspiration	--	Naturally Aspirated
1.12	Engine crankcase vent system	--	Closed crankcase vent System
1.13	Rated speed	rpm	1800
1.14	Rated Power (Gross) <i>Production Tolerance : ± 5%</i>	hp (kW)	15.7 (11.5)
1.15	Maximum high idle speed	%	1805
1.16	BMEP	Bar	7.2
1.17	Brake Specific fuel consumption (corresponding to gross power under NTP conditions) (Production Tolerance: ± 5%)	100 % load 75 % load 50 % load	168 172 186
1.18	Type of governing	--	Isochronous, Constant Speed
1.19	Lubricating oil grade	--	SAE15W40, CI4

GeneratorJoe®



GeneratorJoe®

4723 Muirfield Court
Santa Rosa, CA 95405
Phone: 707 542-2224
Fax: 707 542-2227

Email: sales@generatorjoe.net
Web: www.generatorjoe.net

GP2.SPEC.400.4.B		BROAD SPECIFICATIONS 2R550NA 11.5kW @1800 rpm	SECT.	GeneratorJoe® k'rloskar Oil Engines
SHEET NO. A2			A	
S. NO.	PARAMETER	UNIT	VALUE	
1.20	Lubricating pump type	--	Positive Displacement G Rotor	
1.21	Lubricating oil flow (@ 1725 Lube oil Pump Speed with 3 bar oil pressure & 110° ± 10° C Oil temperature)	lpm	17	
1.22	Max. Lubricating oil pressure	bar	5.5	
1.23	Max. oil temperature in sump	°C	125	
1.24	Lubricating oil change period (* First oil change at 50 hrs.)	Hours	250	
1.25	Lubricating oil consumption	% of fuel consumption	To be updated	
1.26	Fuel used	--	Ultra-Low Sulfur Diesel (ULSD)	
1.27	Fuel Injection Pump	--	Mechanical fuel injection Pump	
1.28	Fuel filter	--	0.6 liter Single bowl Spin-on	
1.29	Max. allowable back pressure of exhaust system at rated power (at exhaust manifold outlet)	KPa G	3.3 ± 1.0	
1.30	Max exhaust temperature	deg C	650	
1.31	Max. air inlet restriction	mm H ₂ O	200	
	- Clean air cleaner		500	
1.32	Maximum inlet air flow	Kg/hr	61	
1.33	Maximum exhaust gas flow	Kg/hr	65	
1.34	Overall Dimensions of Engine (L x W x H)	mm	(468 x 518 x 633)	
1.35	Dry Weight of engine	kg	130	

GeneratorJoe®



GeneratorJoe®

4723 Muirfield Court

Santa Rosa, CA 95405

Phone: 707 542-2224

Fax: 707 542-2227

Email: sales@generatorjoe.net

Web: www.generatorjoe.NET