APPLICATION BULLETIN :- 1007 / 22.06.10

Introducing Kirloskar 135Kva 6R1080TA, 6 cylinder , verticle , inline, direct injection, compression Ignition , Water cooled engine , suitable for POWER GENERATION APPLICATION . Application code No. 6H.4530. Details are as below.

SR.NO	DESCRIPTION OF ENGINE	TECHNICAL SPEDIFICATION
1	Engine Type	6R1080TA
2	Aspiration	TURBOCHRGE AFTER COOL
3	Engine Rating	171HP/1800 RPM
4	Rating Standard	ISO3046
5	Application	PG
6	Application Code	6H.4530
SR.NO	**COMPONENT DESCRIPTION**	**PG FOR EXPORT MARKET APPLICATION CODE 6H.4530**
8	**Engine Core Parts :**	
8.1	Monoblock Crank case subassly	6H.233.10.0.00
8.2	Cam Bush	OC.073.60.0.70
8.3	Main Bearing Set	OM.006.40.0.00
8.4	Thrust Washer Set	OW.006.32.0.00
8.5	Large End Bearing Set	OB.006.41.0.00
8.6	Small End Bush set (PF/UB)	OS.006.50.0.70
8.7	Cylinder Liner with joint ring	2H.008.10.0.00
8.8	Cylinder Liner Joint Ring	2H.008.07.0.00& 2H.008.11.0.00
8.9	Crank Shaft Assly	6H.002.20.0.00
8.10	Gear Casing	6H.311.01.0.00
8.11	G.E.oil seal	03.013.06.0.00
8.12	Cam Shaft Assly.	6H.226.10.0.00
8.13	Intermediate Gear Support	6H.267.01.0.00
8.14	Piston Assly Complete	4H.180.10.0.00
8.15	Con Rod Assly	04.692.20.0.00
8.16	Plate With Rubber Moulding	2H.039.10.0.00
8.17	Oil Seal housing F.W.E.side	6H.045.10.0.00
8.18	F.W.E.Side oil seal	03.007.06.0.00
8.19	Crank Pulley	6H.228.01.0.00
8.20	Cylinder Head Assly	6H.007.10.0.00
8.21	Valve pair	4H.007.40.0.00
8.22	Valve Tappet	02.024.01.0.00
8.23	Push Rod Assly	02.024.70.0.00
8.24	Valve rocker assly	02.024.20.0.00
8.25	Rocker Cover Assly	6H.013.40.0.00
8.26	Cylinder Head Gasket	6H.007.06.0.00
8.27	Piston ring set	2H.009.30.0.00
8.28	Oil Filler Cap	34.036.60.0.00

9	**Gear Train:**	
9.1	Crank Shaft Gear	4H.002.01.0.00
9.2	Intermediate Gear for Lub oil pump	3H.005.30.0.00
9.3	Intermediate Gear	2H.038.10.0.00
9.4	Fuel Pump Gear	2H.011.01.0.00
9.5	Hub For Fuel Pump Gear	2H.011.02.0.00

10	**Lubricating System:**	
10.1	Lub oil pump assly	6H.047.30.0.00
10.2	Suction Tube Assly	6H.006.20.0.00
10.3	Delivery Body	2H.013.10.0.00
10.4	Lub Oil sump	6H.378.10.0.00
10.5	Dipstick	06.248.10.0.00
10.6	Header for lub oil cooler	6H.113.01.0.00
10.7	Lub oil cooler	F6.358.01.0.00
10.8	Spin on type lub oil filter	06.436.01.0.00
10.9	Oil supply hose to fuel pump	4H.006.01.0.00

11	**Cooling System:**	
11.1	Thermostat Housing	4H.053.01.0.00
11.2	Thermostat Element 74 degc	39.040.09.0.00
11.3	Water pump assly	4H.052.20.0.00
11.4	V-belt	4H.1531.01.0.00
11.5	V-belt	47.305.01.0.00
11.6	Damper	6H.186.01.0.00
11.7	Radiator Fan	F6.375.25.0.00

12	**Power Transmission System:**	
12.1	F.W. Housing	3H.085.01.0.00
12.2	Flywheel Assly	03.050.10.0.00

13	**Fuel System:**	
13.1	Fuel Filter Assly	3H.132.10.0.00
13.2	Fuel filter pre	3H.132.01.0.00
13.3	Fuel filter Micro	3H.132.02.0.00
13.4	Fuel Injector Assly	4H.154.10.0.00
13.5	Fuel Pump	6H.195.10.0.00
13.6	Fuel Leak off pipe	6H.1124.20.0.00
13.7	High Pressure Pipe set	6H.009.70.0.00
13.8	Pipe (Radiator to Pump inlet)	4H.405.01.0.00
13.9	Hose (Pipe to water pump)	4H.073.02.0.00
13.10	Fuel pipe filter to fuel pump	6H.081.02.0.00
13.11	Fuel pipe feedpump to filter	6H.081.03.0.00

14	**Electrical System**	
14.1	Battery Charging Alternator	3H.315.01.0.00
14.2	Starter	6H.675.01.0.00

15	**Air Intake System**	
15.1	Air inlet Gasket	3H.015.11.0.00
15.2	Air Cleaner assly	6H.412.20.0.00
15.3	Air inlet manifold	6H.010.02.0.00
15.4	Hose for Air Cleaner	6H.899.02.0.00
15.5	Main Element	6H.411.02.0.00
15.6	Safety Element	NA

16	**Exhaust System:**	
16.1	Exhaust Manifold	6H.011.10.0.00
16.2	Exhaust Gasket	P2.106.01.0.00
16.3	Turbocharger	6H.051.10.0.00
16.4	Expansion Bellow	F6.550.01.0.00

17	**Mounting System:**	
17.1	Engine Foot GE	6H.033.01.0.00
17.2	Crank case foot F.W.E	6H.327.01.0.00

18	**Electrical /Panel Parts:**	
18.1	Engine control unit Deep Sea make 720	2H.892.05.0.00
18.2	MCB 32 Amp	3H.864.04.0.00
18.3	Relay Board 2 and 1/2 chaneel	4H.865.27.0.00
18.4	AC Voltmeter 0- 500	4H.865.03.0.00
18.5	MCCB 3 Pole	F6.871.01.0.00
18.6	Fuel gauge	04.165.03.0.00

List of maintenance spares normally required for 6R1080TA Gensets .

SR.NO	COMPONENT DESCRIPTION	PG FOR EXPORT MARKET APPLICATION CODE 6H.4530
1	Set of Joint	6H.061.20.0.00
2	Set of O-rings	6H.061.30.0.00
3	Set Of Copper washer	6H.061.10.0.00
4	Cylinder Head Gasket	6H.007.06.0.00
5	F.W.E. oil seal	03.007.06.0.00
6	G.E.oil seal	03.013.06.0.00
7	Fuel filter element pre	3H.132.01.0.00
8	Fuel filter element Micro	3H.132.02.0.00
9	Spin on type oil filter element	06.436.01.0.00
10	V- belt	4H.1531.01.0.00
11	V- belt	47.305.01.0.00
12	Air Cleaner Main Element	6H.411.02.0.00