

APPLICATION BULLETIN :- 1014 / 17.07.10

Introducing Kirloskar 23Kva 2R1040 Silent Genset, 2 cylinder , verticle , inline, direct injection, compression Ignition , Water cooled engine , suitable for POWER GENERATION APPLICATION . Application code No. 2H.4082. Details are as below.

SR.NO	DESCRIPTION OF ENGINE	TECHNICAL SPEDIFICATION
1	Engine Type	2R1040
2	Aspiration	NA
3	Engine Rating	30HP/1800 RPM
4	Rating Standard	ISO3046
5	Application	PG
6	Application Code	2H.4082
SR.NO	COMPONENT DESCRIPTION	PG FOR EXPORT MARKET APPLICATION CODE 2H.4082
8	Engine Core Parts :	
8.1	Monoblock Crank case subassly	2H.001.30.0.00
8.2	Cam Bush	OC.073.60.0.70
8.3	Main Bearing Set	OM.093.40.0.00
8.4	Thrust Washer Set	OW.073.70.0.00
8.5	Large End Bearing Set	OB.093.41.0.00
8.6	Small End Bush set (PF/UB)	OS.093.50.0.00/ OS.093.50.0.70
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 With Gear	2H.002.10.0.00
8.10	Gear Casing	4H.178.02.0.00
8.11	G.E.oil seal	03.013.06.0.00
8.12	Cam Shaft Assly.	2H.003.10.0.00
8.13	Intermediate Gear Support	4H.237.01.0.00
8.14	Piston Assly Complete	4H.1502.10.0.00
8.15	Con Rod Assly	04.685.20.0.00
8.16	Plate With Rubber Moulding	2H.039.10.0.00
8.17	Oil Seal housing F.W.E.side	2H.006.01.0.00
8.18	F.W.E.Side oil seal	03.007.06.0.00
8.19	Front Cover	4H.179.02.0.00
8.20	Crank Pulley	2H.034.01.0.00
8.21	Cylinder Head Assly	P3.007.30.0.00
8.22	Valve pair	4H.007.40.0.00
8.23	Valve Tappet	02.024.01.0.00
8.24	Push Rod Assly	02.024.70.0.00
8.25	Valve rocker assly	P3.010.10.0.00
8.26	Rocker Cover Assly	P1.044.40.0.00
8.27	Cylinder Head Gasket	P1.007.09.0.00
8.28	Piston ring set	2H.009.55.0.00
8.29	Oil Filling Cap assly.	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	3H.005.10.0.00
10.2	Suction Tube Assly	2H.071.30.0.00
10.3	Delivery Body	2H.013.10.0.00
10.4	Lub Oil sump	02.539.30.0.00
10.5	Dipstick	03.036.10.0.00
10.6	Header for lub oil cooler	4H.658.01.0.00
10.7	Lub oil cooler	3H.007.11.0.00
10.8	Spin on type lub oil filter	04.270.01.0.00
10.9	Oil supply hose to fuel pump	48.417.01.0.00

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	Spacer For Fan	4H.554.01.0.00
11.6	Radiator Fan	48.212.01.0.00

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.933.02.0.00
13.5	Fuel Pump	2H.048.10.0.00
13.6	Fuel Leak off pipe	2H.061.10.0.00
13.7	High Pressure Pipe set	P1.011.10.0.00
13.8	Pipe (Radiator to Pump inlet)	3H.029.02.0.00
13.9	Hose (Pipe to water pump)	4H.073.02.0.00
13.10	Hose For water pump inlet pipe to Radiator outlet	4H.158.05.0.00
13.11	Fuel Inlet Pipe	3H.181.04.0.00
13.12	Fuel return pipe	3H.181.05.0.00

14	Electrical System	
14.1	Battery Charging Alternator	3H.315.01.0.00
14.2	Flange for Starter	4H.038.02.0.00
14.3	Starter	2H.301.01.0.00

15	Air Intake System	
15.1	Air inlet Gasket	4H.030.11.0.00
15.2	Air Cleaner assly	2H.277.10.0.00
15.3	Air inlet manifold	2H.094.01.0.00
15.4	Hose for Air Cleaner	2H.277.03.0.00
15.5	Main Element	2H.277.05.0.00
15.6	Safety Element	NA

16	Exhaust System:	
16.1	Exhaust Manifold	P1.036.01.0.00
16.2	Exhaust Gasket	P5.036.02.0.00
16.3	Turbocharger	NA
16.4	Expansion Bellow	2H.135.03.0.00

17	Mounting System:	
17.1	Engine Foot GE (Startor Side)	4H.228.02.0.00
17.2	Engine Foot GE (FIP Side)	4H.228.01.0.00

18	Electrical /Panel Parts:	
18.1	Generator control unit KG6122	6H.877.05.0.00
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	Power terminal Board 125 Amp	4H.865.23.0.00
18.5	Sensor Unit For Electric Temp Gauge	46.085.02.0.00

List of maintenance spares normally required for 2R1040 Gensets .

SR.NO	COMPONENT DESCRIPTION	PG FOR EXPORT MARKET APPLICATION CODE 2H.4082
1	Set of Joint	2H.100.10.0.00
2	Set of O-rings	2H.074.30.0.00
3	Set Of Copper washer	3H.074.10.0.00
4	Cylinder Head Gasket	P1.007.09.0.00
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	04.270.01.0.00
10	V- belt	4H.1531.01.0.00
11	Air Cleaner Main Element	2H.277.05.0.00