

# INDUSTRIAL ENGINE

## MODEL 6D14



### ■ SPECIFICATIONS

Model	6D14	
Engine Type	4 cycle water cooled in line	
Exhaustion/Flue Gas Type	Direct Injection	
No. of Cylinder	4	
Bore x Stroke	110mm x 110mm (4.33in x 4.33in)	
Total Displacement	448 cc (27.4 cu in)	
Compression Ratio	17.5	
Rotation	Counter clockwise when viewed from flywheel end	
King Motor	1.5, 2.0, 2.5	
Dimensions	Length	1000mm (39.4 in)
	Width	667mm (26.3 in)
	Height	667mm (26.3 in)
Dry Weight	480kg (1058 lbs)	
Fuel Oil	Diesel fuel oil (Cetane number 40 or higher)	
Lubricating Oil (API Classification)	CC	
Oil spray for prevention of rust stop	200g (7.05oz) (0.0022 metric ton) or 1.000 (unit)	

### STANDARD ACCESSORIES

Generator	Mechanical centrifugal type
Fuel Injection Pump	Direct type
Water Pump	600 rpm
Exhaust	SAE 3" (76.2)
Intake Manifold	Upward flow
Exhaust Manifold	Upward Exhaust
Fuel Filter	Paper element type
Lubricating Oil Filter	Paper element type with bypass filter
Alternator	12V - 60A
Starting Motor	12V - 4.5kW
Oil Cooler	None for sale

### OPTIONAL ACCESSORIES

Air Cleaner	Dry paper element type
Fan	Pusher or suction
Engine Mounting	Front and rear
Waste	Water tank & overflow
Intake Manifold	Horizontal Intake
Exhaust Manifold	Horizontal Exhaust
Power Plant Latch	Spring type
Alternator	12V - 80A
Starting Motor	12V - 3.5kW
Battery Capacity (24V)	12V - 120Ah @ 1 year
Battery Capacity (24V)	12V - 120Ah @ 2 year
Air Compressor	501 1/2" dia.
Intercooler, Turbocharger, Automatic Water Topping Device, Oil Pressure Gauge, Water Separator, Oil Refiller, Muffler, Automatic Stop Device, Engine Speed Control Device, Spare Parts	See Group 04 Pressure Gauge, Water Separator, Oil Refiller, Muffler, Automatic Stop Device, Engine Speed Control Device, Spare Parts

### TECHNICAL DATA

Air Flow for Combustion (at International gross power)	3.8m <sup>3</sup> /min (23.0 ft <sup>3</sup> /min) at 2000 rpm
Exhaust Gas Temperature (Max. at normal throttle setting)	Approx. 500°C (900°F)
Cooling Water Capacity, Engine Waterpump	13.0 l (3.44 U.S.gal) 4.1 l (1.1 U.S.gal) 16.0 l (4.2 U.S.gal)
Lubricating Oil Capacity	12.0 l (3.17 U.S.gal)
Power Speed (rpm)	1500 rpm 1800 rpm 2100 rpm 2400 rpm
Fuel Injection	0.20 m <sup>3</sup> /hr 0.24 m <sup>3</sup> /hr 0.28 m <sup>3</sup> /hr 0.32 m <sup>3</sup> /hr
Heat Rejection (at International gross power)	4.500 kcal/hr at 2000 rpm



**9109**

**RELLER KOPF - TECHNISCHE DATEN**

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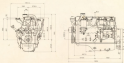
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Typ	Flow rate (m³/h)	Head (m)	Power (kW)	Efficiency (%)
9109	100	100	100	100
9110	150	150	150	150
9111	200	200	200	200
9112	250	250	250	250
9113	300	300	300	300
9114	350	350	350	350
9115	400	400	400	400
9116	450	450	450	450
9117	500	500	500	500
9118	550	550	550	550
9119	600	600	600	600
9120	650	650	650	650
9121	700	700	700	700
9122	750	750	750	750
9123	800	800	800	800
9124	850	850	850	850
9125	900	900	900	900
9126	950	950	950	950
9127	1000	1000	1000	1000
9128	1050	1050	1050	1050
9129	1100	1100	1100	1100
9130	1150	1150	1150	1150
9131	1200	1200	1200	1200
9132	1250	1250	1250	1250
9133	1300	1300	1300	1300
9134	1350	1350	1350	1350
9135	1400	1400	1400	1400
9136	1450	1450	1450	1450
9137	1500	1500	1500	1500
9138	1550	1550	1550	1550
9139	1600	1600	1600	1600
9140	1650	1650	1650	1650
9141	1700	1700	1700	1700
9142	1750	1750	1750	1750
9143	1800	1800	1800	1800
9144	1850	1850	1850	1850
9145	1900	1900	1900	1900
9146	1950	1950	1950	1950
9147	2000	2000	2000	2000
9148	2050	2050	2050	2050
9149	2100	2100	2100	2100
9150	2150	2150	2150	2150
9151	2200	2200	2200	2200
9152	2250	2250	2250	2250
9153	2300	2300	2300	2300
9154	2350	2350	2350	2350
9155	2400	2400	2400	2400
9156	2450	2450	2450	2450
9157	2500	2500	2500	2500
9158	2550	2550	2550	2550
9159	2600	2600	2600	2600
9160	2650	2650	2650	2650
9161	2700	2700	2700	2700
9162	2750	2750	2750	2750
9163	2800	2800	2800	2800
9164	2850	2850	2850	2850
9165	2900	2900	2900	2900
9166	2950	2950	2950	2950
9167	3000	3000	3000	3000
9168	3050	3050	3050	3050
9169	3100	3100	3100	3100
9170	3150	3150	3150	3150
9171	3200	3200	3200	3200
9172	3250	3250	3250	3250
9173	3300	3300	3300	3300
9174	3350	3350	3350	3350
9175	3400	3400	3400	3400
9176	3450	3450	3450	3450
9177	3500	3500	3500	3500
9178	3550	3550	3550	3550
9179	3600	3600	3600	3600
9180	3650	3650	3650	3650
9181	3700	3700	3700	3700
9182	3750	3750	3750	3750
9183	3800	3800	3800	3800
9184	3850	3850	3850	3850
9185	3900	3900	3900	3900
9186	3950	3950	3950	3950
9187	4000	4000	4000	4000
9188	4050	4050	4050	4050
9189	4100	4100	4100	4100
9190	4150	4150	4150	4150
9191	4200	4200	4200	4200
9192	4250	4250	4250	4250
9193	4300	4300	4300	4300
9194	4350	4350	4350	4350
9195	4400	4400	4400	4400
9196	4450	4450	4450	4450
9197	4500	4500	4500	4500
9198	4550	4550	4550	4550
9199	4600	4600	4600	4600
9200	4650	4650	4650	4650

**RELLER KOPF - TECHNISCHE DATEN**

GENERAL ARRANGMENT



FLYWHEEL AND HOUSING DETAIL



INDIAN RIGID ENGINE

**SASFM**

SALES AND SERVICE  
INDIAN RIGID ENGINE  
NO. 6D14

**J. HINDUSTAN MOTOR CORPORATION**

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