



Enriching Lives

Engine Performance Curve

Kirloskar Oil Engines Limited
Laxmanrao Kirloskar Road
Khadki, Pune - 411003 (India)

Basic Engine Model :
KFP4R-UF05

Curve Number : EPC - UF05 - 00

Revision Date : 11.01.2018

Rev. Number : 00

Engine Family : R Series

Engine Weight - Kg : 490

Displacement - In.3 (L) : 197 (3.2)

Minimum Speed Rating : 57 HP @ 2800 RPM

Compression Ratio : 17.5 : 1

Maximum Speed Rating : 55 HP @ 3000 RPM

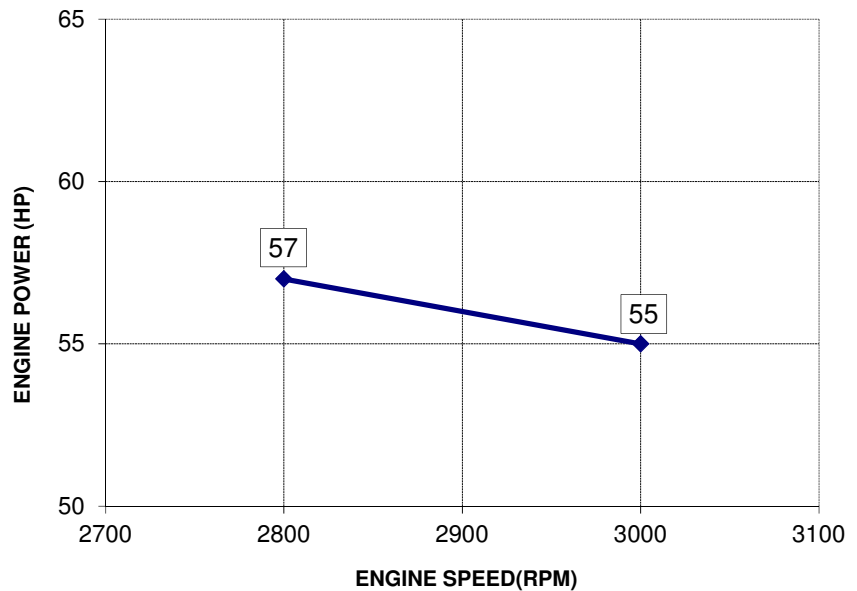
Number of Cylinders : 4

Aspiration : Naturally Aspirated

Fuel Pump : BOSCH

Engine Power Output

Engine Speed	Power
RPM	HP
2800	57
3000	55



- Power Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with SAE J1349 conditions of 29.61 in Hg (100 kPa) barometric pressure [300 ft. (91.4 m) altitude], 77 °F (25 °C) inlet air temperature with Grade - 1 diesel fuel.
- The engine can be operated without changing the fuel setting up to 300 ft. (91.4 m) altitude and up to 77 °F (25 °C) ambient temperature. To operate at high altitudes, the fuel rate of the engine should be adjusted to limit performance by 3% per 1,000 ft. (305 m) above 300 ft. (91.4 m) altitude. To operate at high ambient temperatures, the fuel rate of the engine should be adjusted to limit performance by 1% per 10 °F above 77 °F (2% per 11 °C above 25 °C).
- Horse power ratings within the specified speed range are to be determined by the use of Linear Interpolation between the Horse power developed at Minimum and Maximum speeds.