



Enriching Lives

Engine Performance Curve

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

Basic Engine Model :
KFP4R-UF08

Curve Number : EPC - UF08 - 00

Revision Date : 11.01.2018

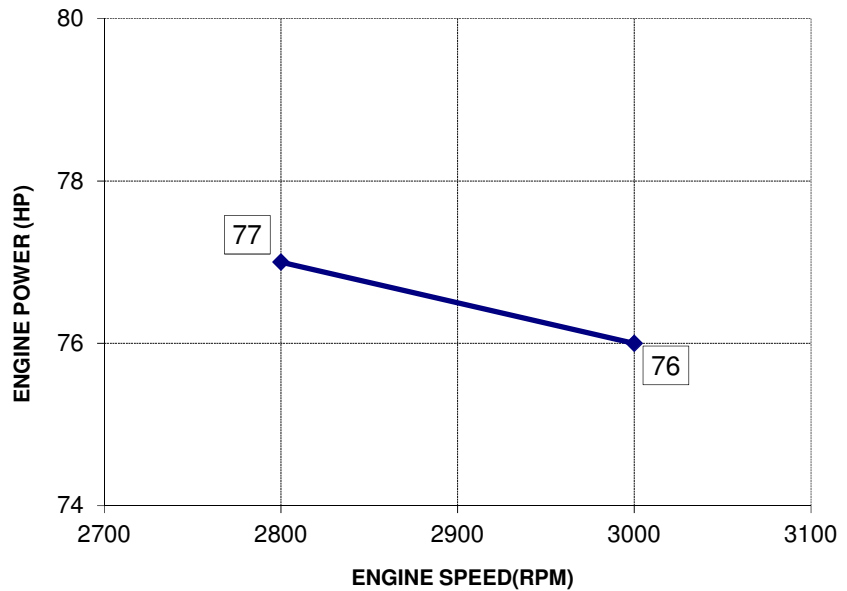
Rev. Number : 00

Engine Family : R Series
Displacement - In.3 (L) : 254 (4.16)
Compression Ratio : 17.5 : 1
Number of Cylinders : 4
Aspiration : Naturally Aspirated
Fuel Pump : BOSCH

Engine Weight - Kg : 600
Minimum Speed Rating : 77 HP @ 2800 RPM
Maximum Speed Rating : 76 HP @ 3000 RPM

Engine Power Output

Engine Speed	Power
RPM	HP
2800	77
3000	76



- 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.