



Enriching Lives

## Engine Performance Curve

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

**Basic Engine Model :**  
**KFP4R-UF16R1**

Curve Number: EPC - UF16R1 - 00

Revision Date : 28.05.2018  
Rev. Number : 00

Engine Family : R Series

Displacement - In<sup>3</sup> (L) : 254 (4.16)

Compression Ratio : 17.0 : 1

Number of Cylinders : 4

Aspiration : Turbocharged,  
After cooled

Fuel Pump : MOTORPAL

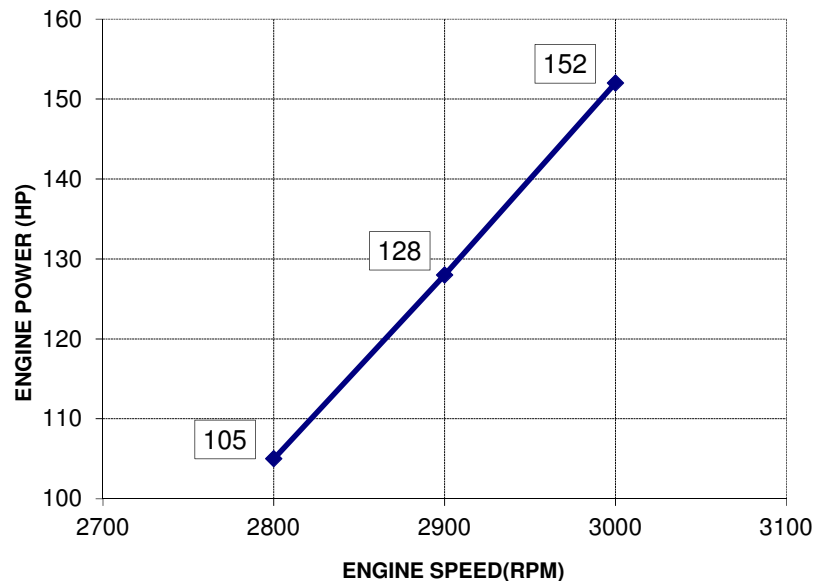
Engine Weight - Kg : 690

Minimum Speed Rating : 105 HP @ 2800 RPM

Maximum Speed Rating : 152 HP @ 3000 RPM

### Engine Power Output

| Engine Speed<br>RPM | Power<br>HP |
|---------------------|-------------|
| 2800                | 105         |
| 2900                | 128         |
| 3000                | 152         |



- Power Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with SAE J1349 conditions of 29.61 in. (752.1 mm) Hg barometer pressure [300 ft. (91.4 m) altitude], 77 °F (25 °C) inlet air temperature with Grade -1 diesel fuel.
- A deduction of 3 percent from engine power rating corrected to standard SAE conditions shall be made for diesel engines for every 1000 ft. (305 m) altitude above 300 ft. (91.4 m) and deduction of 1 percent from engine power rating corrected to standard SAE conditions shall be made for diesel engines for every 10 °F (5.6 °C) above 77 °F (25 °C) ambient temperature.
- Horsepower ratings within the specified speed range are to be determined by the use of Linear Interpolation between the Horsepower developed at Minimum and Maximum speeds.