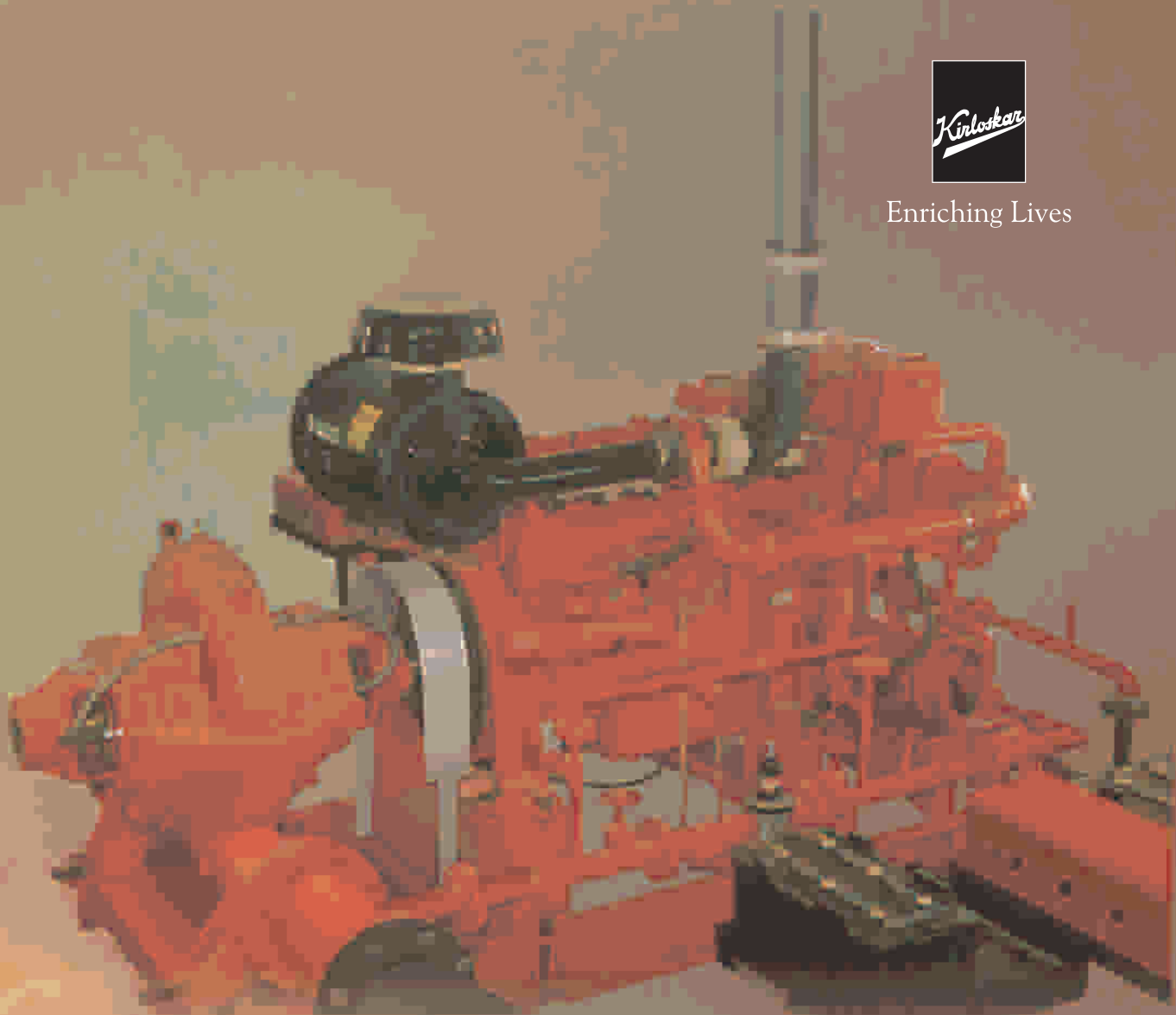


KFP SERIES



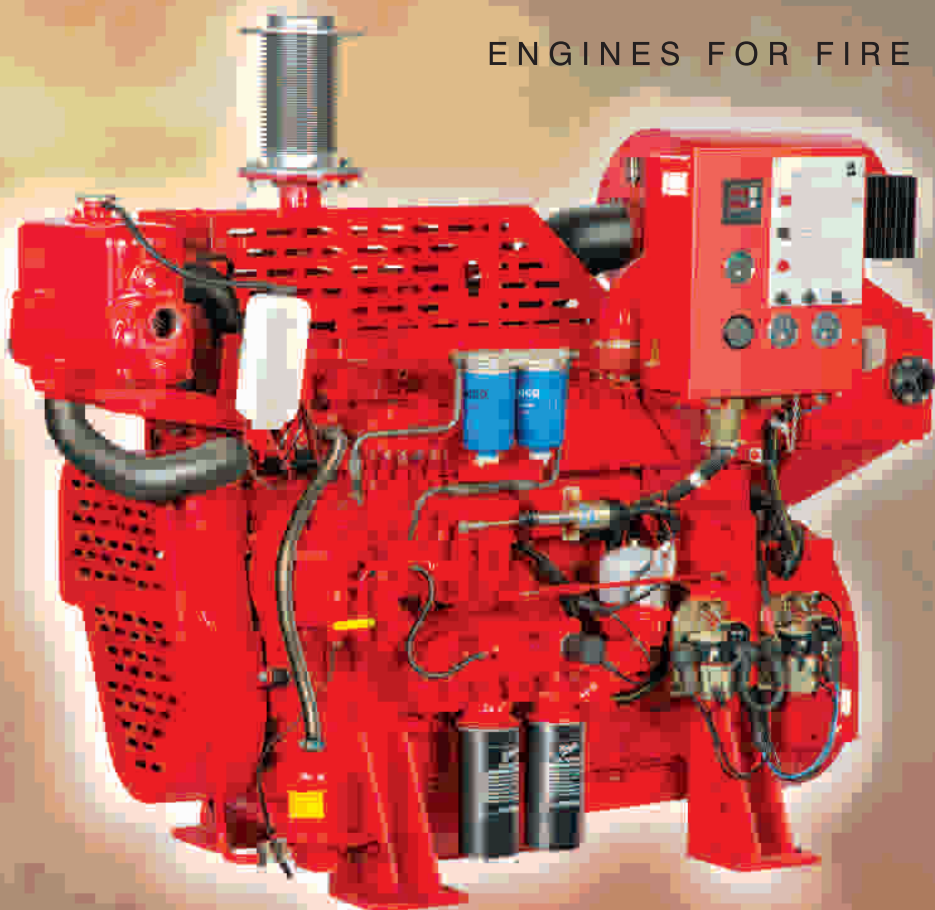
Enriching Lives



KFP SERIES

ENGINES FOR FIRE FIGHTING PUMPSETS

FM & UL APPROVED AND LISTED



Kirloskar engines: Prime movers to the Indian nation.

Kirloskar Oil Engines Limited founded in 1946 and popularly known as KOEL is India's leading manufacturer of the finest and widest range of diesel engines - from 3 hp to 1000 hp, and from 2400 hp to 11000 hp. The engines are branded as 'Kirloskar'. With annual manufacturing volumes exceeding 320,000 engines, Kirloskar engines are available in both air-cooled and liquid-cooled versions. The main engine manufacturing plant is at Pune, and other manufacturing locations are Nashik, Ahmednagar, Rajkot, and Kagal, near Kolhapur. Kirloskar engines are used as prime movers in Off-Highway, Agriculture, Power Generation as well as Marine Application. The engine manufacturing facilities are continually upgraded and improved to ensure the requisite quality at competitive cost. Critical components like crankcases, crankshafts, camshafts, gear casing, cylinder heads and connecting rods are manufactured in-house. KOEL also manufactures for its exclusive use, special purpose machines to achieve critical degrees of precision that international specifications demand. The prestigious ISO 9001 Certification for Quality Management Systems in 1992 and ISO 14001 Certification for Environmental Management Systems in 1999 are proof of Kirloskar's commitment to quality and environment. KOEL is the first engine manufacturing company in India to be awarded the ISO 14001 Certification. At Kirloskar, we believe that the industry and the environment can, and must, coexist in a mutually beneficial way. Bringing this thought into practice, is what has driven us to manufacture engines that are not only eco-friendly, but are also manufactured in an environment-friendly way. The OHSAS 18001 Certification bears testimony to this pursuit.

Product Support :

Kirloskar has one of the most extensive service networks in India. Almost 90% of Kirloskar medium engines are within 100 kilometre periphery of a Kirloskar Service Dealer. 264 Service Dealership locations provide relentless service to the customers. The location of the dealerships and their infrastructure is continually assessed based on the Kirloskar engine population build-up in each territory, and the emerging service needs of the customers. Out of these, 160 Service Dealership locations provide 24-hour service. The number of Service Dealerships that provide 24-hour service are growing day by day. Additionally, Kirloskar Territory Managers, Service Engineers and Technicians are stationed at 21 Kirloskar Area Offices. To service its engines in the Middle East region, Kirloskar has established service set-up at UAE and to service the Southern African regions a service set-up has been established in South Africa. A well spread out service network manned by about 3,000 Kirloskar trained engineers and technicians ensure prompt service and easy availability of genuine spare parts, thus ensuring highest up-time for Kirloskar engines.

All pervasive IT in operations :

Having foreseen the power of the IT to transform the businesses way back in 1998, KOEL installed the world's leading Enterprise-wide Solution (ERP) - Oracle®. This installation is noted to be one of the most comprehensive installations of Oracle in the manufacturing industry. The installation of ERP in 1998 was followed up with net enabled business processes in 2000. With this initiative, Kirloskar Service Dealers, OEMs, Area Sales Offices, Suppliers and the Logistic Providers form a digital community that is ever ready to respond to each customer need efficiently. The Service Dealerships are able to respond to customer needs quickly and efficiently by accessing round-the-clock latest service information and availability of parts over the internet, 24 hours a day, 365 days a year, including a leap year.



Liquid-cooled diesel engines engineered to economise

Maximum economy and reliability are the features of Kirloskar diesel engines. The power units are produced to meet the high precision and quality standards symbolised by the name Kirloskar.

Salient features

- Optimized cast iron cylinder head with optimum distribution of forces.
- Wet, replaceable cylinder liners .
- Efficient and reliable turbo-charger.
- Full flow disposable spin-on oil filter for extra high filtration.
- Centrifugal type bypass filter.
- Full flow oil cooler.
- Efficient cooling with accurate coolant controls. Reliable sleeve thermostat with minimum pressure drop.
- Belt driven, highly efficient coolant pump.
- Twin fuel filters of throw-away type.
- High grade alloy steel material heavy-duty crankshaft.
- Gear type lubricating oil pump.

User advantages

- A wide output range of 62 hp to 288 hp.
- Only Asian engine manufacturer with FM as well as UL approval for fire fighting engines.
- The need for training of maintenance personnel is minimized.
- Better logistics support is possible due to lower weight and volume of equipment and individual engine parts, lower frequency of workshop attendance, extended MTOBs, faster maintenance, extended diesel and lube oil top-up intervals.
- Easy availability of spare parts.





Recommended accessories

- In line vertical, liquid-cooled diesel engine.
- Engine mounted heat exchanger.
- Make up water tank for Heat Exchanger cooling.
- Engine mounted dry type air cleaner.
- Vacuum indicator.
- Industrial type silencer supplied loose.
- In-line fuel injection pump.
- Electronic governor provided on turbo after-cooled engine models.
- Energised to stop type stop solenoid.
- Mechanical shut down arrangement for back-up.
- 0.5 litre dual fuel filter.
- Lube oil cooler.
- Lube oil filter.
- SAE 10" / 11.5" Flywheel & SAE3 Housing for KFP4R-UF07 / KFP4R-UF15 / KFP6R-UF25 engine models.
- SAE 11.5" / 14" Flywheel & SAE1 Housing for KFP6S-UF35 engine model.
- Cold starting kit mounted on engine.
- Engine mounted dual starter solenoid.
- Engine mounted instrument panel and wiring harness.
- Automatic shut-down for over speeding.
- Lube oil pressure sender and switch.
- Engine coolant sender and switch.
- Rigid mounting foot.
- Painted in fire fighting red colour.

Horse Power Ratings: KFP Engines for Fire Fighting Pumpsets

Engine Model Aspiration	Rated Output hp	Rated Output kW	Rated Speed rpm
KFP4R-UF07 (4R1040) Naturally aspirated	77	57	2600
	74	55	2350
	74	55	2200
	70	52	2100
	62	46	1760
KFP4R-UF15 (4R1040TA) Turbo After-cooled	151	112	2600
	143	106	2350
	117	87	2200
	118	83	2100
	108	80	1760
KFP6R-UF25 (6R1080TA) Turbo After-cooled	225	168	2600
	203	151	2350
	196	146	2200
	191	142	2100
	169	126	1760
KFP6S-UF35 (6SL90TRWA) Turbo After-cooled	330	246	2350
	332	247	2200
	336	250	2100
	288	215	1760

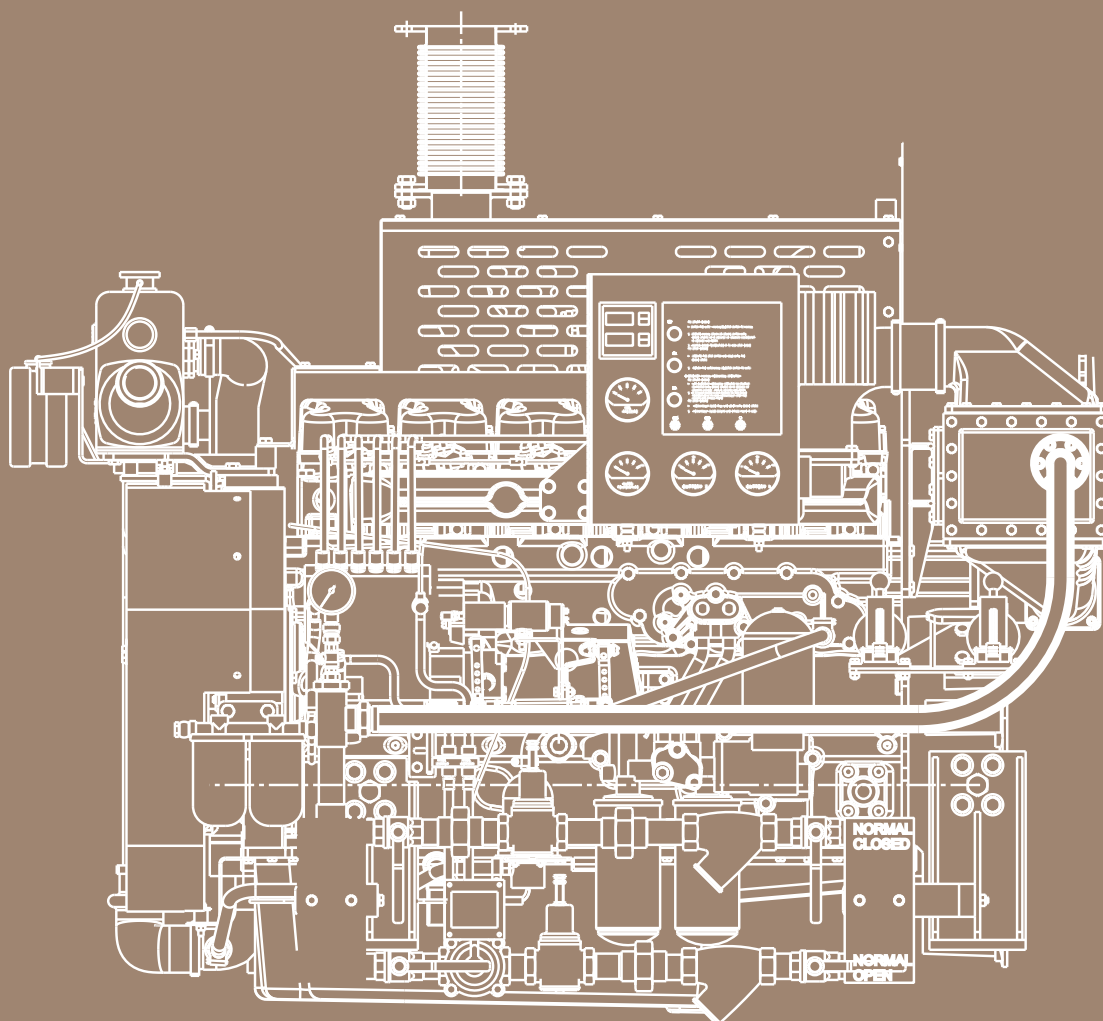
Note: All the above values are for constant speed applications.



Brief specifications

Models	KFP4R-UF07	KFP4R-UF15	KFP6R-UF25	KFP6S-UF35
Engine Description	" Vertical, Liquid-Cooled, Compression Ignition, Four Stroke Cycle, Naturally Aspirated / Turbo After-Cooled Diesel Engines "			
Bore x Stroke (mm)	105X120		105X125	118 x 135
Displacement (cc)	4160		6480	8800
Compression Ratio	18:1	17:1	17.6:1	17.5 : 1
Direction of Rotation	Counter-clockwise (looking from flywheel end)			
Speed- Max Operating	2600		2350	
Min. operating (rpm)	1760			
Low idling (rpm)	650			
Weight in Kgs	580	630	880	1160





Typical dimensions and installation drawings

	Height	Length	Width
KFP4R-UF07	1295	1219	812
KFP4R - UF15	1385	1298	861
KFP6R-UF25	1454	1565	909
KFP6S-UF35	1543	1699	990



Enriching Lives

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