

Industrial & Agro Engines

PRODUCT CATALOGUE






A RICH TRADITION OF ENGINEERING EXCELLENCE

The Kirloskar Group is one of India's largest diversified engineering conglomerates, with a presence across global locations and diverse product categories

Incorporated in the year 1888, the Kirloskar Group is known for its engineering prowess, penchant for product reliability, business trust and customer orientation. Kirloskar Oil Engines Limited (KOEL) a Kirloskar Group company, was incorporated in 1946. The company currently ranks among the leading manufacturers of diesel engines, which are manufactured and sold under Kirloskar Brand. Kirloskar engines cover a power envelop span ranging from 4HP to 800HP and from 2,400HP to 11,000HP in air-cooled as well as liquid cooled engines.

KOEL engines & pump-sets are used for over 100 different applications in sectors like agriculture power generation, construction, material handling, earth-moving, mining, offshore, fluid handling, and agro- industrial market segments that include defence and marine applications. KOEL Exports to over 35 countries worldwide.

Kirloskar diesel pumps for agricultural applications: Your reliable partner Kirloskar has been delivering world class pumps to the Indian and global markets for over a century.

All engines come with a guarantee of reliable Kirloskar quality and added benefits like rugged engine design, lowest operation cost and excellent customer service. Our engines conform to Indian quality standards. Most of the engine and pumpsets are with BIS/  compliance.

Some prominent applications in Agro, Industrial segments are:

Threshers | Sugarcane Crushers | Rice hullers | Coffee pulper | Chaff cutter |
Floor mills | Saw mills | Sprinklers | Sprayers |

Some prominent applications in Industrial segments are:

Concrete mixture | Mini dumpers | Hoist/winches | Block making machine | Needle vibrators
Plate compactor | Rock cutters | Tough rider Marine-Inboard motor (IBM) | Marine outboard motor (OBM)

All machines work better with a healthy heart!! Therefore choose Kirloskar Engines for trouble free performance for years and years....

Product Certification

IS:11170 CM/L-17 08251

Sr. No.	Model	HP/kW	RPM
1	AV1	5/3.7	1500
2	AK65	6.5/4.8	1500
3	TV1	7/5.2	1500
4	SV1	8/5.9	1800
5	TAF1	6/4.42	1500
6	TAF1	7.1/5.22	1800
7	DM10	10/7.4	1500
8	DAF10	10/7.4	1500
9	DA20	20/14.7	1500
10	DAF8	8/5.9	1500
11	DM20	20/14.7	1500
12	TV2	16/11.8	1800
13	CJ	10/7.4	1500
14	KISHAN	8/5.9	1500
15	AV1XL	5/3.7	1500
16	AV1XL	8/5.9	2200
17	AV1XL	6/4.4	1800
18	XL50 LW	5/3.7	1500
19	Varsha	5/3.7	2600
20	Varsha	3.2/2.36	1500
21	Varsha-2	4/2.94	1800

Model list under CIFT

Sr. No.	Model	HP/kW	RPM
1	DM20	20/14.7	1500
2	DM28	28/20.6	1800

IS:6595 CM/L-7948810

Sr. No.	Model	HP/kW	RPM	Head m	Discharge lps
1	VA320 -2	4/2.94	1800	9.5	12.5
2	VA320 -4	5/3.7	2600	23	9.5
3	V1	5/3.7	1500	15.5	15.5
4	V2	8/5.89	2200	20.1	18.2
5	V3	6/4.42	1800	12.2	23.1
6	V4	8/5.89	2200	14.7	23.6
7	V5	8/5.89	2200	32.2	9.6

IS:11501 CM/L-7600141508

Sr. No.	Model	HP/kW	RPM	Head m	Discharge lps
1	Supermono 7	5/3.7	1500	15	16
2	Supermono 8	5/3.7	1500	15	17
3	KPP30	5/3.7	3600	18	6

IS:10001 CM/L-3749073

Sr. No.	Model	HP/kW	RPM
1	TAF1	6/4.4	1500
2	TAF2	12/8.83	1500
3	TA2	12/8.83	1500
4	DA10	10/7.4	1500
5	DM14	14/10.3	1500



Air-Cooled Engines

3.5 HP to 20 HP



AA35
3.5 HP 1500 RPM



VARSHA 4HP
4 HP 1800 RPM



VARSHA 5HP
5 HP 2600 RPM



AA50
5 HP 1500 RPM



TAF-1
6 HP 1500 RPM



DAF8
8 HP 1500 RPM



CAF8
8 HP 1500 RPM



DAF10
10 HP 1500 RPM



CAF10
10 HP 1500 RPM

-Hand /Electric Start

Air-Cooled Engines

3.5 HP to 20 HP



DA10#
10 HP 1500 RPM



TAF-2 HSD
12 HP 1500 RPM



TA2#
12 HP 1500 RPM



DAF12
12 HP 1500 RPM



DA16 #
16 HP 1500 RPM



DA20#
20 HP 1500 RPM

-Hand /Electric Start



AA35, AA50

AIR-COOLED ENGINE

Features :

- Power - 3.5 to 5 HP
- Light Weight
- Better SFC
- Superior Performance

Technical Specification

Model	Units	AA35	AA50
No of Cylinders	-	1	1
Bore X Stroke	mm	80/80	87.5/80
Cubic Capacity	Ltr.	0.402	0.481
Compression Ratio	-	17:01	17:01
Rated Output	kW/HP	2.6/3.5	3.8/5.0
Rated Speed	rpm	1500	1500
Crankshaft Center Height	mm	150	150
Specific Fuel Consumption	(Gm/Hp-Hr)	195+5%	195+5%
Lube Oil Sump Capacity	Ltr	1.8	1.8
Lube Oil Consumption	%	Max 0.5% of SFC Max.	
Fuel Tank Capacity	Ltr	5	5
Dimension LXWXH	mm	463 X 443 X 636	431 X 593 X 627
Engine Weight	Kg	86	90
Flywheel Rotation	-	Clockwise	
Power Take-off	-	Flywheel end	
Starting	-	Hand Start	
Governing	-	CLASS "B1"	
Type of Fuel Injection	-	Direct Injection	
Overloading Capacity of Engine	-	10% of the Rated Output	



VARSHA

AIR-COOLED ENGINE

Features :

- Power - 4 to 5 HP
- Portable Engine
- Low Fuel Consumption
- Suitable for Multi-Application

Technical Specification

Model	Units	VA 320-2	VA 320-4
No of Cylinders	-	1	1
Bore X Stroke	mm	74 X 74	74 X 74
Cubic Capacity	Ltr.	0.318	0.318
Compression Ratio	-	22:01	22:01
Rated Output	kW/HP	2.94/4	3.7/5
Rated Speed	rpm	1800	2600
Crankshaft Center Height	mm	164	164
Specific Fuel Consumption	(Gm/Hp-Hr)	280	360
Lube Oil Sump Capacity	Ltr	1	1
Lube Oil Consumption	%	1% of SFC Max.	
Fuel Tank Capacity	Ltr	4.5	4.5
Dimension LXWXH	mm	366 X 623 X 402	
Engine Weight	Kg	43	43
Flywheel Rotation	-	Anti-Clockwise	
Power Take-off	-	Flywheel end	
Starting	-	Start Handle	
Governing	-	CLASS "B1"	
Type of Fuel Injection	-	Direct Injection	
Overloading Capacity of Engine	-	10% of the Rated Output	



TAF-1, TAF-2 HSD

AIR-COOLED ENGINE

Features :

- Power-6 & 13.3 HP
- Single Cylinder & Twin Cylinder Air Cooled Diesel Engine
- Best in Performance & Quality
- Suitable For Multi-Application

Technical Specification

Model	Units	TAF 1	TAF2
No of Cylinders	-	1	1
Bore X Stroke	mm	85.5 X 110	87.5 X 110
Cubic Capacity	Ltr.	0.662	1.324
Compression Ratio	-	17.5:1	17.5:1
Rated Output	kW/HP	4.42/6	9.91/13.3
Rated Speed	rpm	1500	1500
Crankshaft Center Height	mm	203	203
Specific Fuel Consumption	(Gm/Hp-Hr)	195+5%	195+5%
Lube Oil Sump Capacity	Ltr	3.7	7.2
Lube Oil Consumption	%	1% of SFC Max.	
Fuel Tank Capacity	Ltr	6.5	11.5
Dimension LXWXH	mm	531 X 546 X 856	700 X 546 X 878
Engine Weight	Kg	163	276
Flywheel Rotation	-	Clockwise	
Power Take-off	-	Flywheel end	
Starting	-	Hand Start	
Governing	-	CLASS "A2/B1"	
Type of Fuel Injection	-	Direct Injection	
Overloading Capacity of Engine	-	10% of the Rated Output	



DAF8, DAF10

AIR-COOLED ENGINE

Features :

- Power- 8 to 10 HP
- Robust Construction & Design
- Superior Performance
- Air-cooled Verticle Cylinder

Technical Specification

Model	Units	DAF8	DAF10
No of Cylinders	-	1	1
Bore X Stroke	mm	95/110	102/116
Cubic Capacity	Ltr.	0.78	0.94
Compression Ratio	-	17.5:1	17.5:1
Rated Output	kW/HP	5.9/8	7.4/10
Rated Speed	rpm	1500	1500
Crankshaft Center Height	mm	203	203
Specific Fuel Consumption	(Gm/Hp-Hr)	185+/-5%	185+/-5%
Lube Oil Sump Capacity	Ltr	3.7 at higher level mark on dipstick	
Lube Oil Consumption	%	0.8% of SFC Max.	
Fuel Tank Capacity	Ltr	11.5	11.5
Dimension LXWXH	mm	531 X 546 X 878	
Engine Weight	Kg	193	194
Flywheel Rotation		Clockwise/Anti-Clockwise	
Power Take-off		Flywheel end	
Starting		Hand Start	
Governing		CLASS "A2/B1"	
Type of Fuel Injection		Direct Injection	
Overloading Capacity of Engine		10% of the Rated Output	



CAF8, CAF10

AIR-COOLED ENGINE

Features :

- Power 8 to 10 HP
- Robust Construction & Design
- Superior Performance
- Air-cooled Vertical Cylinder

Technical Specification

Model	Units	CAF8	CAF10
No of Cylinders	-	1	1
Bore X Stroke	mm	87.5/110	102/116
Cubic Capacity	Ltr.	0.62	0.89
Compression Ratio	-	17.5:1	17.5:1
Rated Output	kW/HP	5.9/8	7.4/10
Rated Speed	rpm	1500	1500
Crankshaft Center Height	mm	203	203
Specific Fuel Consumption	(Gm/Hp-Hr)	202+/-5%	202+/-5%
Lube Oil Sump Capacity	Ltr	3 at higher level mark on dipstick	
Lube Oil Consumption	%	1% of SFC Max.	
Fuel Tank Capacity	Ltr	11.5	11.5
Dimension LXWXH	mm	531 X 546 X 856	531 X 546 X 878
Engine Weight	Kg	150	182
Flywheel Rotation	-	Clockwise	
Power Take-off	-	Flywheel end	
Starting	-	Hand Start	
Governing	-	CLASS "A2"	
Type of Fuel Injection	-	Direct Injection	
Overloading Capacity of Engine	-	10% of the Rated Output	



DA-10,16 & 20

AIR-COOLED ENGINE

Features :

- Power- 10, 16 & 20 HP
- Single Cylinder & Twin Cylinder Air Cooled Diesel Engine
- Hand Start / Electric Start with Anticlock Wise
- Better Fuel Economy

Technical Specification

Model	Units	DA-10	DA-16	DA-20
No of Cylinders	-	1	2	2
Bore X Stroke	mm	102/116	95 X 110	102 X 116
Cubic Capacity	Ltr.	0.94	1.56	1.89
Compression Ratio	-	17.5:1	17.5:1	17.5:1
Rated Output	kW/HP	7.4/10	11.8/16	14.8/20
Rated Speed	rpm	1500	1500	1500
Crankshaft Center Height	mm	203	203	203
Specific Fuel Consumption	(Gm/Hp-Hr)	195+5%	195+5%	195+5%
Lube Oil Sump Capacity	Ltr	3.7	7.2	7.2
Lube Oil Consumption	%	0.8% of SFC Max.		
Fuel Tank Capacity	Ltr	11.5	11.5	11.5
Dimension LXWXH	mm	516 X 524 X 878	802 X 670 X 850	802 X 670 X 820
Engine Weight	Kg	194	325	325
Flywheel Rotation	-	Clockwise / Anti-Clockwise		
Power Take-off	-	Flywheel end		
Starting	-	Hand Start/ Electric Start		
Governing	-	CLASS "A2"		
Type of Fuel Injection	-	Direct Injection		
Overloading Capacity of Engine	-	10% of the Rated Output		

-Hand /Electric Start



TA-2#

AIR-COOLED ENGINE

Features :

- Power- 12 HP
- Twin Cylinder Powerful Engine
- Anti-Clockwise
- Suitable For Multi-Application

Technical Specification

Model	Units	TA-2
No of Cylinders	-	2
Bore X Stroke	mm	87.5 X 110
Cubic Capacity	Ltr.	1.324
Compression Ratio	-	14.5:1
Rated Output	kW/HP	8.83/12
Rated Speed	rpm	1500
Crankshaft Center Height	mm	203
Specific Fuel Consumption	(Gm/Hp-Hr)	195+5%
Lube Oil Sump Capacity	Ltr	7.2
Lube Oil Consumption	%	0.8% of SFC Max.
Fuel Tank Capacity	Ltr	11.5
Dimension LXWXH	mm	984 X 527 X 825
Engine Weight	Kg	250
Flywheel Rotatation	-	Anti-Clockwise
Power Take-off	-	Flywheel end
Starting	-	Hand Start
Governing	-	CLASS"A2/B1"
Type of Fuel Injection	-	Direct Injection
Overloading Capacity of Engine	-	10% of the Rated Output



DAF12

AIR-COOLED ENGINE

Features :

- Power-12 HP
- Best in Quality
- Robust Design
- Suitable For Multi-Application

Technical Specification

Model	Units	DAF12
No of Cylinders	-	1
Bore X Stroke	mm	114.3/116
Cubic Capacity	Ltr.	1.19
Compression Ratio	-	17.5:1
Rated Output	kW/HP	8.83/12
Rated Speed	rpm	1500
Crankshaft Center Height	mm	203
Specific Fuel Consumption	(Gm/Hp-Hr)	185+/-5%
Lube Oil Sump Capacity	Ltr	3.7
Lube Oil Consumption	%	1% of SFC Max.
Fuel Tank Capacity	Ltr	11.5
Dimension LXWXH	mm	531 X 546 X 878
Engine Weight	Kg	194
Flywheel Rotation	-	Clockwise
Power Take-off	-	Flywheel end
Starting	-	Hand Start
Governing	-	CLASS"B1"
Type of Fuel Injection	-	Direct Injection
Overloading Capacity of Engine	-	10% of the Rated Output