

# 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





# Water-Cooled Engines

5 HP to 28 HP



**XL50 LW**  
5 HP 1500 RPM



**TV1**  
7 HP 1500 RPM



**DM10 (MARINE)**  
10 HP 1500 RPM



**DM12 (CHETAK)**  
10 HP 1500 RPM



**DM14 (MARINE)**  
14 HP 1500 RPM



**TV2**  
14 HP 1500 RPM



**DM20 MARINE (HS+ES)#**  
20 HP 1500 RPM



**DM28 (MARINE) #**  
28 HP 1500 RPM

# -Hand /Electric Start



## XL50-LW

### WATER-COOLED ENGINE

#### Features :

- Power- 5 HP
- Superior Performance
- Light Weight
- Suitable for Multi-Application

### Technical Specification

Model	Units	XL50-LW
No of Cylinders	-	1
Bore X Stroke	mm	87.5 X 80
Cubic Capacity	Ltr.	0.481
Compression Ratio	-	17:01
Rated Output	kW/HP	3.7/5
Rated Speed	rpm	1500
Crankshaft Center Height	mm	203
Specific Fuel Consumption	(Gm/Hp-Hr)	185+/-5%
Lube Oil Sump Capacity	Ltr	3.3 at higher level mark in dipstick
Lube Oil Consumption	%	0.5% of SFC Max.
Fuel Tank Capacity	Ltr	5
Dimension LXWXH	mm	450 X 420 X 636
Engine Weight	Kg	87
Flywheel Rotatation	-	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



## TV1, TV2

### WATER-COOLED ENGINE

#### Features :

- Power-7 to 14 HP
- Robust Construction & Design
- Superior Performance
- Air-Cooled Vertical Cylinder

### Technical Specification

Model	Units	TV1	TV2
No of Cylinders	-	1	2
Bore X Stroke	mm	87.5 X 110	87.5 X 110
Cubic Capacity	Ltr.	0.661	1.322
Compression Ratio	-	17.5:1	17.5:1
Rated Output	kW/HP	5.17/7	10.3/14
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	7.2
Lube Oil Consumption	%	0.8% of SFC Max.	
Fuel Tank Capacity	6.5	6.5	11.5
Dimension LXWXH	mm	617 X 504 X 877	830 X 600 X 950
Engine Weight	Kg	160	284
Flywheel Rotatation	-	Clockwise	
Power Take-off	-	Flywheel end	
Starting	-	Hand Start	
Governing	-	CLASS "B1" FOR AGRICULTURAL	
Type of Fuel Injection	-	Direct Injection	
Overloading Capacity of Engine	-	10% of the Rated Output	



## DM SERIES

### WATER-COOLED ENGINE

#### Features :

- Power- 8.5, 10 & 14 HP
- Single Cylinder & Twin Cylinder Air Cooled Diesel Engine
- Clockwise/Anti-Clockwise
- Suitable for Multi-Application

## Technical Specification

Model	Units	DM8.5	DM10	DM14
No of Cylinders	-	1	1	1
Bore X Stroke	mm	95 X 110	102 X 116	114 X 116
Cubic Capacity	Ltr.	0.78	0.94	1.19
Compression Ratio	-	17.5:1	17.5:1	15.5:1
Rated Output	kW/HP	6.25/8.5	7.4/10	10.3/14
Rated Speed	rpm	1500	1500	1500
Crankshaft Center Height	mm	-	-	-
Specific Fuel Consumption	(Gm/Hp-Hr)	185+/-5%	185+/-5%	185+/-5%
Lube Oil Sump Capacity	Ltr	3.7	3.7	3.7
Lube Oil Consumption	%	1% of SFC Max.	0.8% of SFC Max.	
Fuel Tank Capacity	Ltr	11.5	11.5	20
Dimension LXWXH	mm	617 X 532 X 850	685 X 532 X 850	550 X 550 X 855
Engine Weight	Kg	177	1770	204
Flywheel Rotation	-	Clockwise		
Power Take-off	-	Flywheel end		
Starting	-	Hand Start		
Governing	-	CLASS "B1/A2"		
Type of Fuel Injection	-	Direct Injection		
Overloading Capacity of Engine	-	10% of the Rated Output		





## DM 20/28 #

### WATER-COOLED ENGINE

#### Features :

- Power- 20, 25.6, 28 HP
- Single Cylinder & Twin Cylinder Air Cooled Diesel Engine
- Hand Start / Electric Start with Anticlock Wise
- Better Fuel Economy

## Technical Specification

Model	Units	DM20	DM28	DM28
No of Cylinders	-	2	2	2
Bore X Stroke	mm	102 X 116	114 X 116	114 X 116
Cubic Capacity	Ltr.	1.896	2.38	2.38
Compression Ratio	-	17.5:1	17.5:1	17.5:1
Rated Output	kW/HP	14.72/20	18.82/25.6	20.6/28
Rated Speed	rpm	1500	1500	1800
Crankshaft Center Height	mm	203	203	203
Specific Fuel Consumption	(Gm/Hp-Hr)	185+/-5%	185+/-5%	185+/-5%
Lube Oil Sump Capacity	Ltr	7.2	7.2	7.2
Lube Oil Consumption	%	0.81% of SFC Max.	1% of SFC Max.	1% of SFC Max.
Fuel Tank Capacity	Ltr	11.5	20	20
Dimension LXWXH	mm	830 X 600 X 950	830 X 600 X 1330	830 X 600 X 1330
Engine Weight	Kg	365	365	365
Flywheel Rotation	-	Anti-Clockwise		
Power Take-off	-	Flywheel end		
Starting	-	Electric Start	Electric Start	Electric Start
Governing	-	CLASS "A2/B1"	CLASS "B1"	CLASS "A2/B1"
Type of Fuel Injection	-	Direct Injection		
Overloading Capacity of Engine	-	10% of the Rated Output		

# -Hand /Electric Start