



Enriching Lives

Agri Business Product Catalogue



Bringing joy through prosperity...

Agri & Off Highway Business Group

Kirloskar Oil Engines Limited

There is a way we work that gives a new perspective to business. There is a way we think that breathes fresh life into business ideologies. There is a way we manage that brings a whole new meaning to business relationships. Where business-to-business transactions can be measured on an index of joy. It's a reflection of the confidence of the professionalism at work. Taking the load off the customer's mind, and giving more space, more time, to revel in personal joys, and get more out of life. Call it a measure of dependability, or a technology of bringing joy for our customers that we strive to perfect. For when you have Kirloskar caring for your business interests, you have century-old specialists working wonders for you.





Kirloskar Oil Engines Ltd [KOEL]

KOEL belong to an engineering conglomerate; Kirloskar Group; which started its operations a century ago in 1888. Today Kirloskar group has annual sales of US Dollars 1.5 Billion (as of March 2010). Kirloskar Group designs and manufactures prime movers as well as end products for a cross section of Industry Sectors viz.; Agriculture, Power, Construction, Material handling, Mining, Earthmoving, Fluid Handling, Oil & Gas, Transport and Environment Protection with a range of world-class industrial products and turnkey services.

Having started in 1888, today the group is known for its engineering prowess, penchant for product reliability & business trust and customer orientation.

KOEL is the flagship company of Kirloskar Group.

KOEL was incorporated in 1946. We are the largest manufacturers of diesel engines in India. Our engines are manufactured and sold under Kirloskar Brand and covers a power envelop spanning 3 hp to 11,000 hp. In both air-cooled as well as liquid cooled and naturally aspirated, turbo and turbo-after-cooled versions. We manufacture over 325,000 of them every year. They are actively used on over 100 different applications in Agriculture, Power Generation, Construction, Material Handling, Earthmoving, Mining,

Material Handling, Earthmoving, Mining, Offshore, Fluid Handling, Agro industrial market segments including Defence Automotive retrofits.

In India, we lead Global Majors such as Perkins, Cummins, Iveco, and Caterpillar by a substantial margin. Our share of Indian Off Highway Market hovers around 55%. More specifically, we enjoy near total share of the Indian Backhoe, Transit Mixer, Concrete Pump markets.

We are the leader in Indian Agriculture Segment, our share is around 23%.

Major Global Brands such as JCB, Schwing Stetter, Putzmeister, Sany, Volvo, L&T-Komastu, L&T-Case, Terex, Greaves use Kirloskar engines to power their equipment, for sell in India as well as to some chosen Global Markets. Many equipment manufacturers have started using India as a manufacturing hub to fulfil the requirement of Global Consumers.

An active population of over 2 million engines to date bears the testimony of the Product Reliability as well as Customer Acceptance in the competitive Indian Market.

Kirloskar Pumpset

Your Reliable Partner

Any part of the world, whatever your pumping needs, the most dependable and reliable diesel pumpset comes from Kirloskar. Kirloskar has been delivering its world class products to the Indian and global markets for over a century.

Kirloskar diesel pumpsets bear the mark of the same high quality and reliability that stands all tests, including the test of time.

Besides bringing prosperity to the Indian farmer, these pumpsets have been greening the sands in Egypt, increasing rice output in Laos, irrigating the remotest locations in Africa, Latin and Central America. The sight of Kirloskar pumpset working continuously cannot be missed.

Being factory assembled pumpset, it is sturdy in build, correctly aligned thereby ensuring long life. Its design and engine-pump matching features ensure that the output capacity is maximum. The high population of these pumpsets running tirelessly in many parts of the world is the proof of the benefits it brings to its users.

- Consumes less fuel and oil - thus low running cost
- Low maintenance cost
- Trouble free operation
- Hassle free starting
- Longer life
- Reliable performance
- BIS approved
- 1 year warranty
- Wide sales network across India
- Easy availability of spare parts
- After sales service in remotest parts of India
- Available in a vast range (4hp to 10 hp), you will easily find the right pumpset to suit your equipment.

So look no further. Choose a Kirloskar Pumpset and enjoy complete peace of mind.

AIR – COOLED PUMPSET RANGE



VARSHA 2
4HP | 1800 RPM



VARSHA 4
5HP | 2600 RPM



FA
6HP | 3600 RPM



TAF1-NW2+
6HP | 1500 RPM



TAF1-SP3L
6HP | 1500 RPM



DAF8 - NW2+
8HP | 1500 RPM



DAF 10-NW2
10HP | 1500 RPM

VARSHA 2

4HP AIR - COOLED PUMPSET
 [Product Code: N11.1005]

ENGINE TYPE:

Horizontal, Single Cylinder,
 Air- Cooled, Four Stroke Cycle,
 Compression Ignition Diesel Engine



TECHNICAL SPECIFICATION

Model		VA320-2
No. of Cylinders		1
Bore x Stroke	(mm)	74 X 74
Cubic Capacity	(Ltr)	0.318
Compression Ratio		22:01
Rated Output	kW(hp)	2.94(4)
Rated Speed	rpm	1800
Specific Fuel Capacity (SFC)	(gm/hp-hr)	200
Lub Oil Consumption		1% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1
Fuel Tank Capacity	(Ltr)	4.5
Physical dimensions of bare engine (Length X Width X Height)	(mm)	366 X 623 X 402
Engine Weight (dry)	(kg)	43
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"B1"
Combustion System		Indirect Combustion
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			7	7.6	8.0	9.0	9.5	10.0	10.5	11.0	kW	HP
Water Discharge Capacity In Litres Per Second														
VA2	80	80	1800	155	17.7	15.0	13.0	12.5	9.0	8.3		2.94	4	

VARSHA 4

5HP AIR - COOLED PUMPSET
[Product Code: N11.1106]

ENGINE TYPE:

Type: Horizontal, Single Cylinder,
Air- Cooled, Four Stroke Cycle,
Compression Ignition Diesel Engine



TECHNICAL SPECIFICATION

Model		VARSHA-4
No. of Cylinders		1
Bore x Stroke	(mm)	74 X 74
Cubic Capacity	(Ltr)	0.318
Compression Ratio		22:01
Rated Output	kW(hp)	3.7(5)
Rated Speed	rpm	2600
Specific Fuel Capacity (SFC)	(gm/hp-hr)	200
Lub Oil Consumption		1% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1
Fuel Tank Capacity	(Ltr)	4.5
Physical dimensions of bare engine (Length X Width X Height)	(mm)	366 X 623 X 402
Engine Weight (dry)	(kg)	43
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"B1"
Combustion System		Indirect Combustion
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			17	18.4	19.0	21.0	23.0	24.0	24.2	25.0	kW	HP
Water Discharge Capacity In Litres Per Second														
VA4	80	65	2600	156	11.7	11.5	10.7	9.5	8.3	8.2		3.7	5	

FA

6HP AIR - COOLED PUMPSET

[Product Code: FA1.1110]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	82 X 66
Cubic Capacity	(Ltr)	0.348
Compression Ratio		19 : 1
Rated Output	kW(hp)	4.41(6)
Rated Speed	rpm	3600
Specific Fuel Consumption (SFC)	(gm/hp-hr)	227 +5%
Lub Oil Consumption		0.3 % of SFC
Lub Oil Sump Capacity	(Ltr)	1.3 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	4.8
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	462 X 494 X 560
Engine Weight (dry) with all fittings excluding packaging	(kg)	45
Rotation while looking at the flywheel		Clockwise
Power Take-off		Gear end
Starting		Rope Start
Governing		Class"B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			6	20.0	24.0	28.0	30.0	31.0	32.0	33.0	kW	HP
Water Discharge Capacity In Litres Per Second														
EMB 65	65	50	3600	140	14.0	12.0	10.0	9.0	8.0	6.0		4.42	6	

TAF1-NW2+

6HP AIR - COOLED PUMPSET

[Product Code: 20.1223]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	0.662
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	4.42(6)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 856
Engine Weight (dry) with all fittings excluding packaging	(kg)	163
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			12	12.8	13.0	14.0	15.0	16.0	17.6	18.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW2+	80	65	1500	223	21.5	20.8	19.3	17.9	16.0	13.0		4.42	6	

TAF1-SP3L

6HP AIR - COOLED PUMPSET

[Product Code: 20.1332.01]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	.662
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	4.42(6)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 856
Engine Weight (dry) with all fittings excluding packaging	(kg)	163
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			11	12	13	14	15	16	17	18	kW	HP
Water Discharge Capacity In Litres Per Second														
SP3L	80	80	1500	224		17.7	16.7	15.5	13	12.3	10	8	4.42	6

DAF8 - NW2+

8HP AIR - COOLED PUMPSET

[Product Code: D7.1015]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	95 X 110
Cubic Capacity	(Ltr)	.78
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 878
Engine Weight (dry) with all fittings excluding packaging	(kg)	193
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"B2"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			12	13.5	14.5	16	17	17.5	19	20	kW	HP
Water Discharge Capacity In Litres Per Second														
NW2+	80	65	1500	230	25	23.8	22	20	18	14.8		5.9	8	

DAF 10-NW2

10HP AIR - COOLED PUMPSET

[Product Code: D3.1023]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	102 X 116
Cubic Capacity	(Ltr)	0.948
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	7.36(10)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 878
Engine Weight (dry) with all fittings excluding packaging	(kg)	194
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			12	12.8	13.0	14.0	15.0	16.0	17.6	18.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW2+	80	65	1500		21.5	20.8	19.3	17.9	16.0	13.0		7.36	10	

WATER – COOLED PUMPSET RANGE



AV1XL-N1
5HP | 1500 RPM



AV1XL-N2
8HP | 2200 RPM



AV1XL-N3
6HP | 1800 RPM



AV1XL-N4
8HP | 2200 RPM



AV1XL-N5
8HP | 2200 RPM



AV1-NW2+
5HP | 1500 RPM



SV1-NW2+
8HP | 1800 RPM



SV1-NW3+
8HP | 1800 RPM



SV1-NW4+
8HP | 1800 RPM



TV1-NW4+
7HP | 1500 RPM



DM10-NW2+
10HP | 1500 RPM

AV1XL-N1

5HP WATER - COOLED PUMPSET

[Product Code: J1.1008]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 80
Cubic Capacity	(Ltr)	0.481
Compression Ratio		17:1
Rated Output	kW(hp)	3.7(5)
Rated Speed	rpm	1500
Specific Fuel Capacity (SFC)	(gm/hp-hr)	176 +5%
Lub Oil Consumption		0.5% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1.8 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	450X445X635
Engine Weight (dry) with all fittings excluding packaging	(kg)	85
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			11	12.4	13	14	15	16	17.6	18	kW	HP
Water Discharge Capacity In Litres Per Second														
N1	80	65	1500	221	20.5	19.4	17.6	15.9	14.0	10.0		3.7	5	

AV1XL-N2

8HP WATER - COOLED PUMPSET
[Product Code: J1.1009]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 80
Cubic Capacity	(Ltr)	0.481
Compression Ratio		17:1
Rated Output	kW(hp)	5.88(8)
Rated Speed	rpm	2200
Specific Fuel Capacity (SFC)	(gm/hp-hr)	178 +5%
Lub Oil Consumption		0.5% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1.8 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	450X445X635
Engine Weight (dry) with all fittings excluding packaging	(kg)	85
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			15	16.1	17	18	19	20	21	22.3	kW	HP
Water Discharge Capacity In Litres Per Second														
N2	80	65	2200	184	23.7	23.1	22.5	21.8	19.3	16.9	13.7	5.88	8	

AV1XL-N3

6HP WATER - COOLED PUMPSET

[Product Code: J1.1012]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 80
Cubic Capacity	(Ltr)	0.481
Compression Ratio		17:1
Rated Output	kW(hp)	4.42(6)
Rated Speed	rpm	1800
Specific Fuel Capacity (SFC)	(gm/hp-hr)	176 +5%
Lub Oil Consumption		0.5% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1.8 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	450X445X635
Engine Weight (dry) with all fittings excluding packaging	(kg)	85
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres							Power Rating		
	Suc	Del			8	9.6	10	11	12	13.6	14	kW	HP	
Water Discharge Capacity In Litres Per Second														
N3	100	100	1800	164	32.7	31.2	27.0	21.8	10.1				4.42	6

AV1XL-N4

8HP WATER - COOLED PUMPSET

[Product Code: J1.1014]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 80
Cubic Capacity	(Ltr)	0.481
Compression Ratio		17:1
Rated Output	(kW(hp)/rpm)	5.9(8)
Rated Speed	rpm	2200
Specific Fuel Capacity (SFC)	(gm/hp-hr)	178 +5%
Lub Oil Consumption		0.5% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1.8 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	450X445X635
Engine Weight (dry) with all fittings excluding packaging	(kg)	85
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres							Power Rating		
	Suc	Del			10	11.2	12	13	14	15.4	16	kW	HP	
Water Discharge Capacity In Litres Per Second														
N4	100	100	2200	153	33.7	30.8	28.0	25.6	18.2				5.9	8

AV1XL-N5

8HP WATER - COOLED PUMPSET

[Product Code: J1.1016]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 80
Cubic Capacity	(Ltr)	0.481
Compression Ratio		17:1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	2200
Specific Fuel Capacity (SFC)	(gm/hp-hr)	178 +5%
Lub Oil Consumption		0.5% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1.8 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	450X445X635
Engine Weight (dry) with all fittings excluding packaging	(kg)	85
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			25.6	27	28	30	32	33	34	35.2	kW	HP
Water Discharge Capacity In Litres Per Second														
N5	80	65	2200	230	11.9	11.5	11.2	11.0	10.8	10.0	9.0	8.1	5.9	8

AV1-NW2+

5HP WATER - COOLED PUMPSET

[Product Code: 10.1105]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	80 X 110
Cubic Capacity	(Ltr)	.553
Compression Ratio		16.5 : 1
Rated Output	kW(hp)	3.7(5)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 843
Engine Weight (dry) with all fittings excluding packaging	(kg)	130
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			12	12.8	13.0	14.0	15.0	16.0	17.6	18.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW2+	80	65	1500	223	21.5	20.8	19.3	17.9	16.0	13.0		3.7	5	

SV1-NW2+

8HP WATER - COOLED PUMPSET

[Product Code: 18.1317]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	.661
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	1800
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	178
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"B2"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			15	16.0	18.0	19.0	20.0	21.0	22.0	23.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW2+	80	65	1800	212	24.7	22.3	21.0	19.5	18.0	16.3		5.9	8	

SV1-NW3+

8HP WATER - COOLED PUMPSET

[Product Code: 18.1192]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	.661
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	1800
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	178
Rotation while looking at the flywheel		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

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			21	22.0	24.0	26.0	27.0	28.0	29.0	30.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW3+	65	50	1800	235	17.3	15.7	14.0	13.3	12.0	10.7		5.9	8	

SV1-NW4+

8HP WATER - COOLED PUMPSET
[Product Code: 18.1177]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	.661
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	1800
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	178
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"B2"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			7	8.0	10.0	11.0	12.0	13.0	15.0	16.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW4+	100	100	1800	184	37.5	34.3	32.6	30.8	28.6	23.0		5.9	8	

TV1-NW4+

7HP WATER - COOLED PUMPSET

[Product Code: 18.1176]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	0.661
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.17(7)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	160
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"B1" for agricultural purposes
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			6	7.0	9.0	10.0	11.0	12.0	13.0	14.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW4+	100	100	1500	206	36.0	33.0	31.1	29.0	26.7	23.5		5.2	7	

DM10-NW2+

10HP WATER - COOLED PUMPSET

[Product Code: D1.1058]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	102 X 116
Cubic Capacity	(Ltr)	0.948
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	7.4(10)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 532 X 850
Engine Weight (dry) with all fittings excluding packaging	(kg)	177
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"B1" for agricultural purposes
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			10	12.8	13.0	14.0	15.0	16.0	17.6	18.0	kW	HP
Water Discharge Capacity In Litres Per Second														
NW2+	80	65	1500	223	21.5	20.8	19.3	17.9	16.0	13.0		7.36	10	

Kirloskar Engine

Your reliable partner for Agro Industrial and Industrial Applications

Kirloskar Diesel Engines have set a benchmark in Agro Industrial and Industrial segment. All engines come with a guarantee of reliable Kirloskar quality and added benefits like rugged engine design, lowest operation cost and excellent exhaust emission. Our engines fulfill a vast number of applications to suit your varying needs. These engines conform to the most stringent international quality standards. In addition to ready to choose range (5 hp to 20 hp), we are open to designing and customizing engines to meet your specific needs.

Some of the prominent application in Agro Industrial segment are

Threshers | Sugarcane crushers | Rice Hullers | Coffee pulper | Chaff cutter |
Floor mills | Saw mills | Sprinklers | Oil Expeller |

Some prominent applications in Industrial segment are

Concrete mixers | 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...

AGRO INDUSTRIAL & INDUSTRIAL AIR- COOLED ENGINE RANGE



FA

5HP | 3000 RPM



TAF1

6HP | 1500 RPM



TAF2

12HP | 1500 RPM



TA2

12HP | 1500 RPM



CAF1

6HP | 1500 RPM



CAF8

8HP | 1500 RPM



CAF10

10HP | 1500 RPM



DAF8

8HP | 1500 RPM



DAF10

10HP | 1500 RPM



DA10

10HP | 1500 RPM



DA16

16HP | 1500 RPM



DA20

20HP | 1500 RPM

FA

5HP AIR- COOLED BARE ENGINE

[Product Code: FA1.1005]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	82 X 66
Cubic Capacity	(Ltr)	0.348
Compression Ratio		19 : 1
Rated Output	kW(hp)	3.7(5)
Rated Speed	rpm	3000
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.024 (2.387)
Specific Fuel Consumption (SFC)	(gm/hp-hr)	213 +5%
Lub Oil Consumption		0.3 % of SFC
Lub Oil Sump Capacity	(Ltr)	1.3 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	4.8
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	462 X 494 X 560
Engine Weight (dry) with all fittings excluding packaging	(kg)	45
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Rope Start
Governing		Class"B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

TAF1 HSD

6HP AIR- COOLED BARE ENGINE

[Product Code: 20.1212]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	0.662
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	4.41(6)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.029 (2.865)
Torque at full load (Camshaft drive)	kN-m(kg-m)	0.057 (5.730)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 856
Engine Weight (dry) with all fittings excluding packaging	(kg)	163
Rotation while looking at the flywheel		Clockwise / Anti clockwise
Power Take-off		Gear end
Starting		Hand Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

TAF2 HSD

12HP AIR- COOLED BARE ENGINE

[Product Code: 21.1205]

ENGINE TYPE:

Vertical, double cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		2
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	1.324
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	8.83(12)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.057 (5.730)
Torque at full load (Camshaft drive)	kN-m(kg-m)	0.115 (11.459)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	7.2 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	700 X 546 X 878
Engine Weight (dry) with all fittings excluding packaging	(kg)	276
Rotation while looking at the flywheel		Clockwise
Power Take-off		Gear end
Starting		Hand Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

TA2

12HP AIR- COOLED BARE ENGINE

[Product Code: 21.1042]

ENGINE TYPE:

Vertical, double cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		2
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	1.324
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	8.83(12)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.057 (5.730)
Torque at full load (Camshaft drive)	kN-m(kg-m)	0.115 (11.459)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	7.2 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	684 X 527 X 825
Engine Weight (dry) with all fittings excluding packaging	(kg)	250
Rotation while looking at the flywheel		Anticlockwise
Power Take-off		Flywheel end
Starting		Hand Start/Electric Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

CAF1

6HP AIR- COOLED BARE ENGINE

[Product Code: 12.1006]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	80 X 110
Cubic Capacity	(Ltr)	0.553
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	4.41(6)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.024 (2.387)
Torque at full load (Camshaft drive)	kN-m(kg-m)	0.048 (4.775)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	202 +5%
Lub Oil Consumption		1 % of SFC
Lub Oil Sump Capacity	(Ltr)	3 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 856
Engine Weight (dry) with all fittings excluding packaging	(kg)	163
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end
Starting		Hand Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection

* Half speed drive version of CAF1 is also available.

CAF8

8HP AIR- COOLED BARE ENGINE

[Product Code: 20.1101]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	0.661
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.038 (3.820)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	202 +5%
Lub Oil Consumption		1 % of SFC
Lub Oil Sump Capacity	(Ltr)	3 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 856
Engine Weight (dry) with all fittings excluding packaging	(kg)	163
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end
Starting		Hand Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection

CAF10

10HP AIR- COOLED BARE ENGINE

[Product Code: D3.1101]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	102 X 110
Cubic Capacity	(Ltr)	0.898
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	7.4(10)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.048 (4.775)
Crankshaft Center Height	(mm)	223
Specific Fuel Consumption (SFC)	(gm/hp-hr)	202 +5%
Lub Oil Consumption		1 % of SFC
Lub Oil Sump Capacity	(Ltr)	3 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 878
Engine Weight (dry) with all fittings excluding packaging	(kg)	163
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection

DAF8

8HP AIR- COOLED BARE ENGINE

[Product Code: D7.1003.01]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	95 X 110
Cubic Capacity	(Ltr)	0.78
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.038 (3.820)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 878
Engine Weight (dry) with all fittings excluding packaging	(kg)	193
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end
Starting		Hand Start
Governing		Class"B2"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

DAF10

10HP AIR- COOLED BARE ENGINE

[Product Code: D3.1003]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	102 X 116
Cubic Capacity	(Ltr)	0.948
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	7.4(10)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.048 (4.775)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	531 X 546 X 878
Engine Weight (dry) with all fittings excluding packaging	(kg)	194
Rotation while looking at the flywheel		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

DA10

10HP AIR- COOLED BARE ENGINE

[Product Code: D3.2007]

ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	102 X 116
Cubic Capacity	(Ltr)	0.948
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	7.4(10)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.048 (4.775)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	516 X 524 X 878
Engine Weight (dry) with all fittings excluding packaging	(kg)	194
Rotation while looking at the flywheel		Anticlockwise
Power Take-off		Flywheel end.
Starting		Hand Start/Electric Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

DA16

16HP AIR- COOLED BARE ENGINE

[Product Code: D8.2001]

ENGINE TYPE:

Vertical, double cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		2
Bore x Stroke	(mm)	95 X 110
Cubic Capacity	(Ltr)	1.56
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	11.8(16)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.076 (7.639)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	7.2 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	802 X 670 X 850
Engine Weight (dry) with all fittings excluding packaging	(kg)	325
Rotation while looking at the flywheel		Anticlockwise
Power Take-off		Flywheel end.
Starting		Hand Start/Electric Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

DA20

20HP AIR- COOLED BARE ENGINE

[Product Code: D4.2009]

ENGINE TYPE:

Vertical, double cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		2
Bore x Stroke	(mm)	102 X 116
Cubic Capacity	(Ltr)	1.896
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	14.8(20)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.095 (9.549)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	7.2 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	802 X 670 X 820
Engine Weight (dry) with all fittings excluding packaging	(kg)	325
Rotation while looking at the flywheel		Anticlockwise
Power Take-off		Flywheel end.
Starting		Hand Start/Electric Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

AGRO INDUSTRIAL & INDUSTRIAL WATER - COOLED ENGINE RANGE



AV1
5HP | 1500 RPM



TV1
7HP | 1500 RPM



SV1
8HP | 1800 RPM



DM10
10HP | 1500 RPM



DM20
20HP | 1500 RPM



DM14
14HP | 1500 RPM



TV2
14HP | 1500 RPM

AV1

5HP WATER- COOLED BARE ENGINE

[Product Code: 10.1012]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	80 X 110
Cubic Capacity	(Ltr)	0.553
Compression Ratio		16.5 : 1
Rated Output	kW(hp)	3.7(5)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.024 (2.387)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 843
Engine Weight (dry) with all fittings excluding packaging	(kg)	130
Rotation while looking at the flywheel		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

TV1

7HP WATER- COOLED BARE ENGINE

[Product Code: 18.1324]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	0.661
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.2(7)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.033 (3.342)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	160
Rotation while looking at the flywheel		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

SV1

8HP WATER- COOLED BARE ENGINE

[Product Code: 18.2003]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	0.661
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	5.9(8)
Rated Speed	rpm	1800
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.038 (3.820)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	178
Rotation while looking at the flywheel		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

DM10

10HP WATER- COOLED BARE ENGINE

[Product Code: D1.1035]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	102 X 116
Cubic Capacity	(Ltr)	0.948
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	7.4(10)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.048 (4.775)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 532 X 850
Engine Weight (dry) with all fittings excluding packaging	(kg)	177
Rotation while looking at the flywheel		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

DM14

14HP WATER- COOLED BARE ENGINE

[Product Code: D9.1008]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	114 X 116
Cubic Capacity	(Ltr)	1.190
Compression Ratio		15.5 : 1
Rated Output	kW(hp)	10.3(14)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.067 (6.685)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	20
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	550X 550 X 855
Engine Weight (dry) with all fittings excluding packaging	(kg)	204
Rotation while looking at the flywheel		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

DM20

20HP WATER- COOLED BARE ENGINE

[Product Code: D2.1002]

ENGINE TYPE:

Vertical, double cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		2
Bore x Stroke	(mm)	102 X 116
Cubic Capacity	(Ltr)	1.896
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	14.72(20)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.095 (9.549)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	7.2 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	685 X 532 X 850
Engine Weight (dry) with all fittings excluding packaging	(kg)	297
Rotation while looking at the flywheel		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

TV2

14HP WATER- COOLED BARE ENGINE

[Product Code: 19.1004]

ENGINE TYPE:

Vertical, double cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		2
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	1.322
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	10.3(14)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.067 (6.685)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	7.2 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	785 X 527 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	216
Rotation while looking at the flywheel		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

* Half speed drive version of TV2 with anticlockwise rotation is also available.

At your service. Always

We, at Kirloskar follow one philosophy. Total commitment to customers.

The reason why our service goes much beyond manufacturing quality products. It extends right up to providing genuine spares to customers around the globe. Like every Kirloskar engine, every spare part manufactured by us spells sheer technological precision.

All components are manufactured under the most stringent tolerance levels. Using the finest materials available.

At Kirloskar, employ special heat treatment processes to ensure our spare parts work the best for your engines. So when you choose a Kirloskar engine, an assured availability of genuine spares readily comes along.

We have distributors that maintain an adequate stock of frequently used spares.

Not to mention, a fully trained team of technicians.



Ahmedabad

Ground Floor, "D" Block,
Pruthvi Towers,
Jodhpur Char Rasta,
Ahmedabad 380 015
Ph :+91 (79) 26929689, 26929687

Bangalore

15, Sri Lakshmi Complex 3rd
floor, St. Marks' Road,
Bangalore 5600001
Ph:+91(80)25587562, 30578162

Bhubaneshwar

Kirloskar Oil Engines Ltd
178 A, Zone-B Mancheswar
Industrial Estate
Bhubaneshwar-751010,
Ph:+91(674)2588021, 2588047

Chennai

Nelson Towers,1st Floor, II Wing,
51 Nelson Manikram Road,
Aminjikarai, Chennai- 600029
Ph: +91(44) 23744661, 23744624

Cochin

39/2694 – A1 Anugraha,
Panthiyil Lane, Warriam Road,
Cochin - 682016
Ph : +91(484)2385757, 2385758

Delhi

404, 4th Floor, Surya Kiran
Building,19, KG Marg,
New Delhi-110001.
Ph:+91(11) 47195207, 47195 206

Guwahati

29 G.N.B Road, Panbazar,
Guwahati-781001
Ph:+91(361)2736016, 2736017

Indore

203, Gold Star Complex Opp
Treasure Island576, M G Road
Indore- 452001
Ph:+91(731)3913100, 3913101

Jaipur

21-Sudershan Pura Industrial
Area, Bais Godam,
Jaipur- 302005
Ph:+91(141) 2214149, 2214150

Kolkatta

Poonam Building, 8th Floor, I Flat
No. 8A & 8B, 5/2, Russel Street, I
Kolkatta -700071
Ph: +91(33) 22170858, 22171265

Lucknow

498/143K, Faizabad Road,
Near IT crossing.
Lucknow-226007
Ph No: +91(522)2741442,
2741440

Ludhiana

Plot No 12, NPC Tempo Union
Street, Sherpur Chowk,
Ludhiana 141003
Ph:+91(161)2546667, 2546669

Patna

Meena Plaza, South Museum
Road, Budh Marg,
Patna – 800001
Ph:+91(612)2220411, 2220412

Ranchi

4P, 4th Floor, Sri Gopal
Complex, Kuchhari Road,
Ranchi-834001
Ph:+91(651)2211255, 2214197

Secundrabad

5-2-220 To 222, 2nd Floor
Padmavathi Towers, Hyderbasti
Opp Andhra Bank Ranigunj
Secunderabad-500003,
Ph:+91(40)27534197, 27534176

Agri & Off Highway Business Group**Kirloskar Oil Engines Limited**

Laxmanrao Kirloskar Road, Khadki, Pune-411003
Ph:+91(20)2581043,25815341 Fax:+91(20)25813208,25810209
Website: www.kirloskar.com E-mail: aobg@kirloskar.com