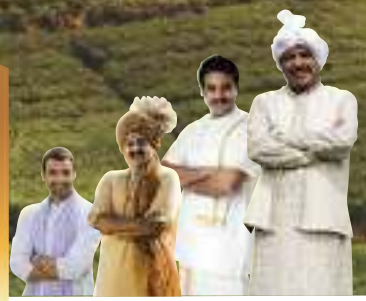
Kirloskar
Oil Engines

Agriculture Pumpsets

PRODUT CATALOUGE



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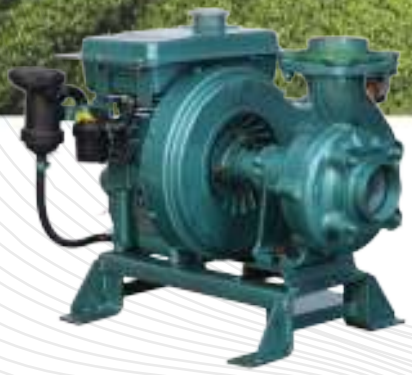
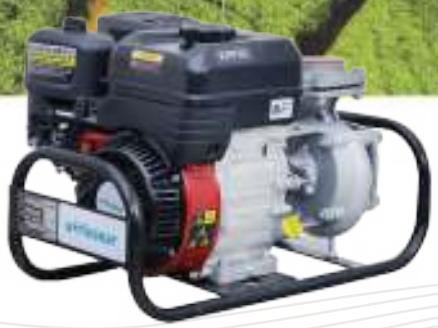




Kirloskar Oil Engines Limited

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 1946The 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 t 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....

kirloskar
Oil Engines

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

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

Model list under CIFT

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

Air- Cooled Pumpset

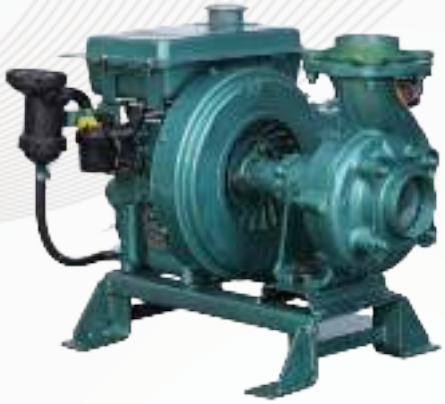
4 HP - 5 HP

VARSHA 2
4 HP 1800 RPM

VARSHA 4HD
4 HP 1800 RPM

VARSHA 4
5 HP 2600 RPM

VARSHA 5HD
5 HP 2600 RPM



VARSHA

AIR-COOLED PUMPSET

Features :

- Model: Varsha
- Type: 4HP & 5HP
- Pump Size: 80X80mm & 80X60mm
- Highly Reliable & Fuel Efficient

Technical Specification

Model	Units	VA 320-2*	VA 320-4*
No. Of Cylinders		1	1
Cubic Capacity	Ltr	0.318	0.318
Compression Ratio		22:01	22:01
Bore X Stroke	mm	74 X 74	74 X 74
Rated Output	kW / Hp	2.94 / 4	3.7/ 5
Rated Speed	rpm	1800	2600
Specific Fuel Consumption	(gm/hp-hr)	360	280
Lube Oil Sump Capacity	Ltr	1	1
Lube Oil Consumption	%	1% pf SFC Max.	
Fuel Tank Capacity	Ltr	4.5	4.5	4.5
Dimension Lxwxh	mm	366 X 623 X 402	
Engine Weight	Kg	43	43	43
Flywheel Rotation	-	Anti-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

Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating(HP)/ speed(RPM)	Discharge in LPS	Total Head Range (In Meters)								
					7.6	8	9	9.5	10	10.5			
VA 320-2	80 X 80	155	4/1800		17.7	15	13	12.5	9	8.3			
					18.4	19	21	23	24	24.2			
VA 320-4	80 X 65	156	5/2600		11.7	11.5	10.7	9.5	8.3	8.2			
					6	7	8	9	10	11	12		
VARSHA 4 HD	100 X 100	154	4/1800		22.5	22	21	20	19	17	15		
					7	8	9	10	11	12	13	14	15
VARSHA 5 HD	100 X 100	128	5/2600		34	33	30	27	24	20	17	14	10

Duty Point * ISI Certified

Water-Cooled Pumpset

5 HP - 8 HP

SUPERMONO 3
5 HP 1600 RPM

SUPERMONO 4
5 HP 1600 RPM

TV1-VA4
5 HP 1500 RPM

TV1-VA4
7 HP 1500 RPM

SV1-VA3+
8 HP 1800 RPM

SV1+VA4+
8 HP 1800 RPM

SV1-VA2+
8 HP 1800 RPM

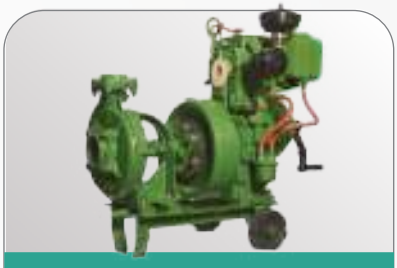
AK-65-V1
6.5 HP 1500 RPM

Water - Cooled Pumpset

5 HP - 8 HP

XL50LW-V1
5 HP 1500 RPM

XL50LW-VA2++
5 HP 1500 RPM



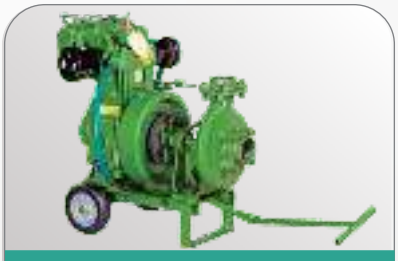
XL50LW-VA3++
5 HP 1500 RPM

AV-1 XL-V1
5 HP 1500 RPM

AV-1 XL-V3
6 HP 1800 RPM

AV-1 XL-V2
8 HP 2200 RPM

AV-1 XL-V4
8 HP 2200 RPM



AV-1 XL-V5
8 HP 2200 RPM

SUPERMONO

WATER-COOLED PUMPSET

Features :

- Model: Supermono
- Type: 5HP
- Pump Size: 80X65mm & 100X100mm
- Highly Reliable & Fuel Efficient

Technical Specification

Model	Units	Supermono - 3 & 4 *
No. Of Cylinders		1
Cubic Capacity	Ltr	0.427
Compression Ration		18:1
Bore X Stroke	mm	80 X 85
Rated Output	kW/Hp	3.7/5
Rated Speed	rpm	1600
Specific Fuel Consumption	(gm/hp-hr)	180
Lube Oil Sump Capacity	Ltr	1.6
Lube Oil Consumption	%	1% of SFC Max.
Fuel Tank Capacity	Ltr	6
Dimension Lxwxh	mm	550 X 520 X 770
Engine Weight	Kg	85
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

Pump Specification: Pump Type - Centrifugal

Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating(HP)/ speed(RPM)	Discharge in LPS	Total Head Range (In Meters)							
					14	15	17	18				
SUPERMONO-3	80 X 65	212	5/1600		16	15	13	12				
					7	10	12	13	14	15	17	18
SUPERMONO-4	100 X 100	198	5/1600		29	22	19	12	7			

Duty Point * ISI Certified

TV-1

WATER-COOLED PUMPSET

Features :

- Model: TV-1
- Type: 7HP
- Pump Size: 100X100mm

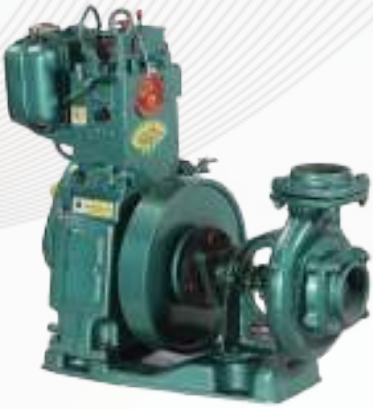
Technical Specification

Model	Units	TV 1
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 (Creankshaft Drive)	kN-m(kg-m)	0.033(3.342)
Crankshaft Centre Height	mm	203
Specific Fuel Consumpttion	(gm/hp-hr)	185+/-5%
Lube Oil Sump Capacity	Ltr	3.7
Lube Oil Consumption	%	0.8% of SFC Max.
Fuel Tank Capacity	Ltr	6.5
Dimension Lxwxh	mm	617 X 504 X 877
Engine Weight	Kg	160
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

Pump Specification: Pump Type - Centrifugal

Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating (HP)/ Speed (RPM)	Discharge in LPS	Total Head Range (In Meters)							
					10.4	11.9	12.6	13.9	14.5			
TV1-VA4	100 X 100	206	7/1500		43.3	38.7	35.1	29	25			

Duty Point * ISI Certified



SV-1

WATER-COOLED PUMPSET

Features :

- Model: SV-1
- Type: 8HP
- Pump Size: 80X80mm & 80X60mm

Technical Specification

Model	Units	SV 1
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 (Creankshaft Drive)	kN-m(kg-m)	0.038(3.820)
Crankshaft Centre Height	mm	203
Specific Fuel Consumpttion	(gm/hp-hr)	185+/-5%
Lube Oil Sump Capacity	Ltr	3.7
Lube Oil Consumption	%	0.8% of SFC Max.
Fuel Tank Capacity	Ltr	11.5
Dimension Lxwxh	mm	617 X 504 X 877
Engine Weight	Kg	178
Flywheel Rotation	-	Clockwise
Power Take-Off	-	Flywheel end
Starting	-	Hand Start
Governing	-	CLASS “B1”
Type Of Fuel Injection	-	Firect Injection
Overloading Capacity Of Engine	-	10% of the Rated output

Pump Specification: Pump Type - Centrifugal

Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating(HP)/ Speed(RPM)	Discharge in LPS	Total Head Range (In Meters)					
					12.8	13.5	15	16	17	17.6
SV-1 VA2+	80 X 65	212	8/1800		22.5	20.8	19.5	18	17	15
					16	18	20	22	23	24.5
SV-1 VA3+	80 X 65	220	8/1800		24	22	18	14	13	11
					22	24	26	27	28	29
SV1-VA1	65 X 50	235	8/1800		17.3	15.7	14	13.3	12	10.7
					8	10	11	12	13	15
SV1-VA4+	100 X 100	184	8/1800		48	45	43	40	37	25

Duty Point * ISI Certified

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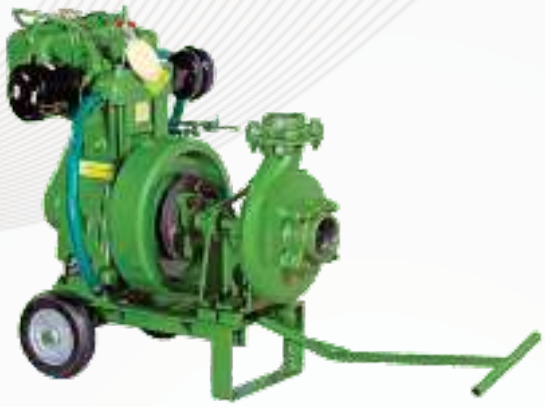
Oil Engines



AV-1/AK65

WATER-COOLED PUMPSET

Features :

- Model: AV-1/AK65
- Type: 5HP & 6.5HP
- Pump Size: 80X65mm & 100X100mm

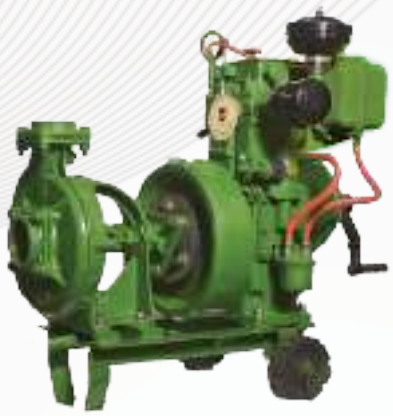
Technical Specification

Model	Units	AV 1	AK 65
No. Of Cylinders		1	1
Bore X Stroke	mm	80 X 110	85 X 110
Cubic Capacity	Ltr	0.553	624
Compression Ratio		16.5:1	16.5:1
Rated Output	kW/Hp	3.7/5	4.8/6.5
Rated Speed	rpm	1500	1500
Crankshaft Centre Height	mm	203	203
Specific Fuel Consumpttion	(gm/hp-hr)	185+/-5%	185+/-5%
Lube Oil Sump Capacity	Ltr	3.7	3.7
Lube Oil Consumption	%	0.8%	0.8%
Fuel Tank Capacity	Ltr	6.5	6.5
Dimension Lxwxh	mm	617 X 504 X 843	617 X 504 X 843
Engine Weight	Kg	130	130
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	

Pump Specification: Pump Type - Centrifugal

Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating(HP)/ Speed(RPM)	Discharge in LPS	Total Head Range (In Meters)					
					12.8	13	14	15	16	17.6
AV-1 VA2+	80 X 65	223	5/1500		21.5	20.8	19.3	17.9	16	13
					12.8	13	14	15	16	17.6
AK-65-V1	80 X 65	223	6.5/1500		21.5	20.8	19.3	17.9	16	13
					23.5	26.7	29	31	33	35
AK-65-V3	100 X 100	206	6.5/1500		14.8	13.3	12.3	11	10.0	9.0

Duty Point * ISI Certified



XL50-LW

WATER-COOLED PUMPSET

Features :

- Model: XL50-LW
- Type: 5HP
- Pump Size: 80X65mm & 100X100mm

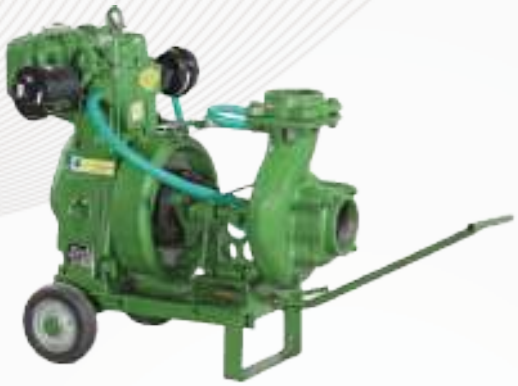
Technical Specification

Model	Units	XL50-LW*
No. Of Cylinders		1
Cubic Capacity	Ltr	0.481
Compression Ration		17:1
Bore X Stroke	mm	87.5 X 80
Rated Output	kW/Hp	3.7/5
Rated Speed	rpm	1500
Specific Fuel Consumption	(gm/hp-hr)	185+/-5%
Lube Oil Sump Capacity	Ltr	3.3 at higher level mark on 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 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

Pump Specification: Pump Type - Centrifugal

Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating(HP)/ Speed (RPM)	Discharge in LPS	Total Head Range (In Meters)					
					11.5	14	15	16	18	19
XL50 LW-V1+	80 X 65	222	5/1500		22.5	20	18	16	13	7.5
					9.8	12	13.5	15	18.5	
XL50 LW-VA3++	80 X 80	227	5/1500		23.5	22	20	18	11	
					7.7	9.3	10	13	15	
XL50 LW-VA4++	100 X 100	216	5/1500		27.6	24.5	23.2	20.5	15.6	

Duty Point * ISI Certified



AV-1 XL

WATER-COOLED PUMPSET

Features :

- Model: AV-1 XL
- Type: 5HP, 6HP & 8HP
- Pump Size: 80X65mm & 100X100mm

Technical Specification

Model	Units	AV-1 XL*	AV-1 XL*	AV-1 XL*
No. Of Cylinders		1	1	1
Cubic Capacity	Ltr	0.481	0.481	0.481
Compression Ration		17:1	17:1	17:1
Bore X Stroke	mm	87.5 X 80	87.5 X 80	87.5 X 80
Rated Output	kW/Hp	3.7/5	4.42/6	5.9/8
Rated Speed	rpm	1500	1800	2200
Specific Fuel Consumption	(gm/hp-hr)	176+5%	176+5%	176+5%
Lube Oil Sump Capacity	Ltr	1.8 at higher level mark on dipstick		
Lube Oil Consumption	%	0.5 % of SFC Max.		
Fuel Tank Capacity	Ltr	5	5	5
Dimension Lxwxh	mm	420 X 459 X 626		
Engine Weight	Kg	85	85	85
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		

Pump Specification: Pump Type - Centrifugal

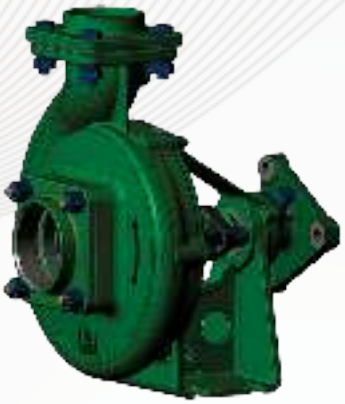
Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating(HP)/ Speed (RPM)	Discharge in LPS	Total Head Range (In Meters)							
AV1 XL V1	80 X 65	221	5/1500		12.4	13	14	15	16	17.6		
					22.3	21	17.6	15.9	14	10		
AV1 XL V2	80 X 65	185	8/2200		16.1	17	18	19	20	21	22.3	
					23.7	23.1	22.5	21.8	19.3	16.9	13.7	
AV1 XL V3	100 X 100	164	6/1800		8	9.6	10	11	12	13.6		
						32.7	31.2	27	23	10.1		
AV1 XL V3 ADBO	100 X 100	168	6/1800		8	9.6	10	11	12			
					32	30	27	23	18			
AV1 XL V4	100 X 100	153	8/2200		9.5	12.3	13.5	14.7	15.7	16.3		
					37	33.6	30	24.7	17	13		
AV1 XL V5	80 X 65	230	8/2200		25.6	27	28	30	32	33	34	35.2
					11.9	11.5	11.2	11	9.5	9.3	9	8.1

Duty Point * ISI Certified

BARE PUMP

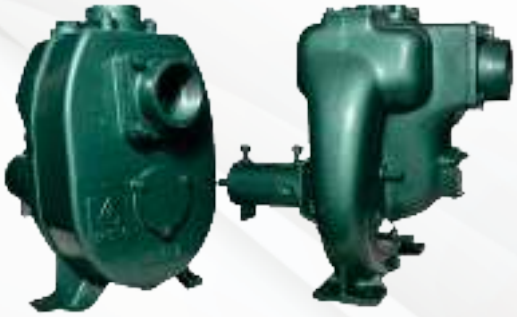
VA2+

MP



VA2+

Model	Pipe size (mm) Suction X Delivery	Impeller Dia. (mm)	Rated Speed (RPM)	Max. Head (mtr)	Max. Discharge
V1+	80 X 65	222	1500/1800	17.6	22.3
VA2+	80 X 65	223	1500/1800	22.3	23.7
VA3+	80 X 80	227	1500/1800	18.5	23.5
VA4+	100 X 100	206	1500/1800	15	27.6
VA6+	150 X 150	206	1500/1800	15	27.6



MP

Model	Pipe size (mm) Suction X Delivery	Impeller Dia. (mm)	Rated Speed (RPM)	Max. Head (mtr)	Max. Discharge
MP3	80 X 80	212	1500	18	18
MP4	100 X 100	198	1500	24.6	35