



## 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 Ratio		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		Impeller Dia. (mm)	Rating(HP)/ Speed (RPM)	Total Head Range (In Meters)					
	Suction X Delivery				Discharge in LPS					
					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	



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



# 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 (Crankshaft Drive)	kN-m(kg-m)	0.038(3.820)
Crankshaft Centre Height	mm	203
Specific Fuel Consumption	(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	-	Direct Injection
Overloading Capacity Of Engine	-	10% of the Rated output

### Pump Specification: Pump Type - Centrifugal

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