



## XL50-LW

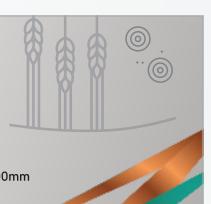
### WATER-COOLED PUMPSET

#### 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)		Total Head Range (In Meter			s)		
				LPS	11.5	14	15	16	18	19
XL50 LW-V1+	80 X 65	222	5/1500	e in	22.5	20	18	16	13	7.5
				narg	9.8	12	13.5	15	18.5	
XL50 LW-VA3++	80 X 80	227	5/1500	Discharge	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	





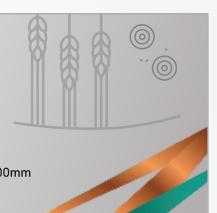
## **AV-1/AK65**

### **WATER-COOLED PUMPSET**

#### **Features:**

Model: AV-1/AK65Type: 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	-	Clock	wise					
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**

			1 71		0					
Model	Pipe size in mm Suction X Delivery	Impeller Dia. (mm)	Rating(HP)/ Speed(RPM)		Total Head Range ( In Meters)				ers)	
				PS	12.8	13	14	15	16	17.6
AV-1 VA2+	80 X 65	223	5/1500	<u>.</u> :	21.5	20.8	19.3	17.9	16	13
				ıarge	12.8	13	14	15	16	17.6
AK-65-V1	80 X 65	223	6.5/1500	Discharge	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





# SV-1

### **WATER-COOLED PUMPSET**

#### Features:

Model: SV-1Type: 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** 

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