

LSY/LSZ SERIES

Solar
Centrifugal Monoblock Pumps &
S.S. Submersible Pumps



Lubi Electronics

Infinite Solar Pumping Energy



Pumping Solution



www.lubielectronics.com

FEATURES AND BENEFITS

- Highly energy efficient centrifugal water pump with energy efficient inverter duty motor.
- High efficiency solar photovoltaic panels with a service life of minimum 20 years.
- Robust design Galvanized steel mounting structure for long life.
- High technology automatic controller with dynamic MPPT (Maximum Power Point Tracking) control method.
- The controller offers complete protection against under and over voltage and dry run protection for the pump.
- Highly efficient controller with a conversion efficiency of 98%.
- The controller is tropicalized to operate satisfactorily with an ambient temperature of up to 50°C
- Virtually no maintenance cost.
- Environmentally friendly air and noise pollution free solution.

CENTRIFUGAL MONOBLOCK PUMPS (LSY)

LSY RANGE OF PERFORMANCE

- Maximum flow : 464 m³/day
- Maximum head : 30 metres.
- Rating : 0.5 hp (0.37 kW), 1 hp (0.75 kW),
1.5 hp (1.10 kW) & 2 hp (1.50 kW)

LSY OPERATING CONDITIONS

- Ambient temperature : +50°C
- Liquid temperature range: 0°C to +80°C
- Water pH : 6.5 - 8
- Sand content : 25 g/m³

LSY/LSZ APPLICATIONS

- Flood irrigation of small fields
- Drip irrigation for farms
- Cattle watering
- Water supply for small villages, schools, hospitals & homes.

SUBMERSIBLE PUMPS (LSZ)

LSZ RANGE OF PERFORMANCE

- Maximum flow : 144 m³/day
- Maximum head : 77 metres.
- Rating : 0.5 hp (0.37 kW), 0.75 hp (0.55kW),
1 hp (0.75 kW), 1.5 hp (1.10 kW) &
2 hp (1.50 kW)

LSZ OPERATING CONDITIONS

- Ambient temperature : +45°C
- Liquid temperature range: 0°C to +50°C
- Water pH : 6.5 - 8
- Sand content : 25 g/m³

LSY TECHNICAL DATA

Model	Pump power		Solar panel	Flow range	Head range	Suction size		Discharge size	
	HP	kW				Total Watt	m ³ /day	Mtrs.	mm
LSY12 050700	0.5	0.37	700	48 - 32	14 - 10	25	1	25	1
LSY28HL 050700	0.5	0.37	700	120 - 82	12 - 8	40	1½	40	1½
LSY14 101200	1	0.75	1200	59 - 40	27 - 18	32	1¼	25	1
LSY13 101200	1	0.75	1200	124 - 85	18 - 12	40	1½	40	1½
LSY18 101200	1	0.75	1200	155 - 106	16 - 11	50	2	40	1½
LSY17 101200	1	0.75	1200	202 - 138	12 - 8	50	2	50	2
LSY15 151600	1.5	1.1	1600	152 - 104	17 - 11	50	2	40	1½
LSY33 151600	1.5	1.1	1600	180 - 123	17 - 11	65	2½	50	2
LSY39 151600	1.5	1.1	1600	330 - 225	9 - 6	75	3	75	3
LSY16H 202160	2	1.5	2160	244 - 166	17 - 11	50	2	50	2
LSY21 202160	2	1.5	2160	305 - 208	11 - 8	75	3	75	3

LSZ TECHNICAL DATA

Model	Pump power		Solar panel	Flow range	Head range	Discharge size	
	HP	kW				Total Watt	m ³ /day
LSZ5A050700	0.5	0.37	700	23 - 34	21 - 15	40	1½
LSZ5A071000	0.75	0.55	1000	23 - 34	31 - 21	40	1½
LSZ5A101200	1	0.75	1200	23 - 34	42 - 29	40	1½
LSZ5A151600	1.5	1.1	1600	23 - 34	63 - 43	40	1½
LSZ8A101200	1	0.75	1200	46 - 68	22 - 15	50	2
LSZ8A151600	1.5	1.1	1600	46 - 68	32 - 22	50	2
LSZ8A202160	2	1.5	2160	46 - 68	44 - 30	50	2
LSZ14A202160	2	1.5	2160	69 - 102	28 - 19	50	2

Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.



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