



CTSS Series



Stainless Steel Centrifugal MONOBLOCK Pumpsets

CTSS / JTS Series

C.R.I. S.S. Centrifugal Monoblock / Self-Priming Jet pumps are carefully designed to give best hydraulic efficiency and suction lift characteristics. Most modern and highly sophisticated machinery and technology are employed in the manufacture of these pumps, using quality raw material, seals and ball bearings to ensure long life. Dynamically balanced rotor ensures vibration free and noise free operation. All single phase pumps are in-built with thermal overload protector to prevent overload. High operating efficiency of these pumps result in low power consumption.

JTS Series



SPECIFICATIONS

	CTSS Series	JTS Series
Power range	0.75 kW(1HP)	0.37 kW - 0.75 kW (0.5HP - 1HP)
Maximum head	23 metre	40 metre
Maximum flow rate	2.5 lps (9m ³ /hr)	1.04 lps (3.75m ³ /hr)
Normal suction & delivery sizes	32 mm x 25 mm	25 mm x 25 mm
Versions	1Ph - 220V / 3Ph - 380-415V, 50Hz, AC	1Ph - 220V / 3Ph - 380-415V, 50Hz, AC
Maximum suction lift	8 m	8 m
Speed	2900 rpm	2900 rpm
Degree of protection	IP 54	IP 54
Class of insulation	"B"	"B"
Direction of rotation	Clockwise viewed from driving end	Clockwise viewed from driving end
Type of duty	S1	S1
Maximum liquid temperature	+5°C to +60°C	+5°C to +60°C
Maximum ambient temperature	40°C	40°C

APPLICATIONS

- Domestic ● Food Processing ● Industrial Water System ● Shallow wells ● Gardening
- Car washing ● Drinking water supply

SALIENT FEATURES

- In-built thermal overload protector ● Hygienic pumping system ● Backpull-out design for easy servicing and repair

PERFORMANCE CHART

CTSS SERIES

STAINLESS STEEL CENTRIFUGAL
MONOBLOCK PUMPSETS

2900 RPM, Single Phase - 220 Volts,
Three Phase - 380-415 Volts 50 Hz, A.C. Supply

PUMP MODEL		MOTOR POWER		NOMINAL PUMP SIZE IN MM (Suction x Delivery)	DISCHARGE IN Ips / m ³ /h									
					0	0.27	0.55	0.83	1.1	1.3	1.6	1.9	2.2	2.5
1Ø	3Ø	kW	HP		0	1	2	3	4	5	6	7	8	9
					TOTAL HEAD IN METRES									
CTSS-8/07M	CTSS-8/07T	0.75	1.0	32 x 25	23	22	21.5	20.5	19.5	18	17	16	14.5	13

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PUMP MODEL		MOTOR POWER		NOMINAL PUMP SIZE IN MM (Suction x Delivery)	DISCHARGE IN Ips / m ³ /h									
					0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.04	
1Ø	3Ø	kW	HP		0	0.5	1	1.5	2	2.5	3	3.5	3.75	
					TOTAL HEAD IN METRES									
JTS-2/03M	JTS-2/03T	0.37	0.5	25 x 25	36	31	26.5	21.5	17	11	7			
JTS-3/07M	JTS-3/07T	0.75	1.0	25 x 25	40	37	34	32	29	26.5	23	17	10	

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump casing	S.S. 304
Motor Frame	Aluminium
Impeller	S.S. 304
Shaft	S.S. 304
Shaft Sealing	Mechanical Seal (Carbon & Ceramic)