

Self-Priming Jet Pumps (JTB SERIES)



Features : High operating efficiency resulting in lower power consumption | Good suction lift characteristics | Dynamically balanced rotating parts including rotor and impeller | Compact and rigid construction | Inbuilt thermal overload protector in all single phase pumps.

Applications : Shallow Well | Houses | Irrigation | Small Farms | Domestic Pressure Boosting units | Small Industries | Washing Systems.

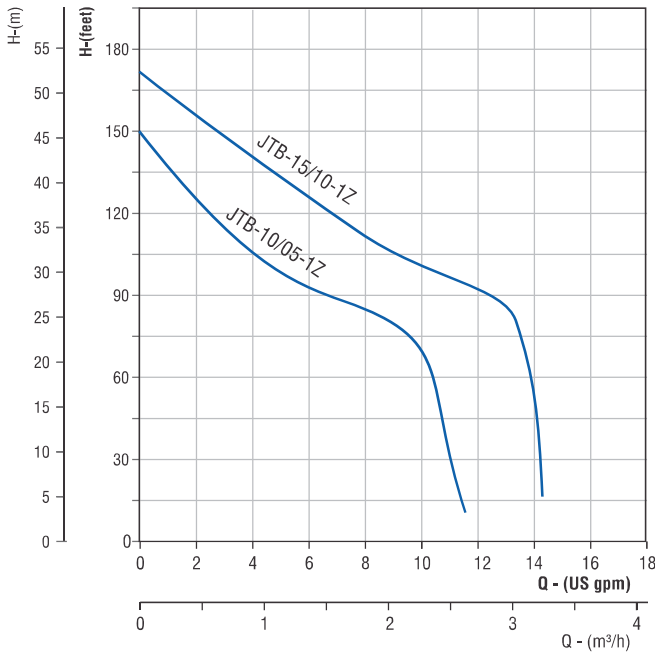
MATERIALS OF CONSTRUCTION

Pump Casing	: Cast Iron
Motor Frame	: Aluminium
Impeller	: Brass
Shaft	: S.S 304 + Carbon Steel #45
Mechanical Seal	: Carbon & Ceramic

PUMP OPERATING LIMITS

Maximum Head	: 177 ft / 54 m
Maximum Suction lift	: 23 ft / 7 m
Maximum liquid Temperature	: 104°F / 40°C
Maximum Ambient Temperature	: 122°F / 50°C

PERFORMANCE CURVES



SPECIFICATIONS

Power Range	: 0.5 HP - 1.0 HP
Speed	: 3450 rpm
Versions	: 1Ph, 110/220V, 60Hz (Permanent Split Capacitor-PSC) Incorporated with thermal overload protector 3Ph, 220/380/460V, 60Hz
Direction of Rotation	: Clock wise viewed from driving end
Type of Duty	: S1 (Continuous)
Degree of Protection	: IP 55
Class of insulation	: "F" / "B"
Suction & Delivery Sizes	: 1" x 1" BSP / NPT

PERFORMANCE TABLE

PUMP MODEL	MOTOR POWER		NOMINAL PUMP SIZE (Suc x Del)	m³/h	0	0.45	0.9	1.36	1.82	2.27	2.72	3.18
	HP	kW			US-gpm	0	2	4	6	8	10	12
JTB-10/05-1Z	0.5	0.37	1" x 1"	Total Head in feet	150	124	105	92	85	72	10 (11.7gpm)	
JTB-15/10-1Z	1.0	0.75	1" x 1"		171	155	139	125	110	101	92	16 (14.2gpm)

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

STAINLESS STEEL Self-Priming Jet Pumps (JTS SERIES)

Features : High operating efficiency resulting in lower power consumption
 | Good suction lift characteristics | Dynamically balanced rotating parts including rotor and impeller | Compact and rigid construction | Inbuilt thermal overload protector in all single phase pumps | All wet parts are made of corrosion resistant stainless steel material.

Applications : Shallow wells | Houses | Small farms | Garden | Domestic pressure boosting | Car washing | Small industries | Drinking water supply
 | Food processing Industries.



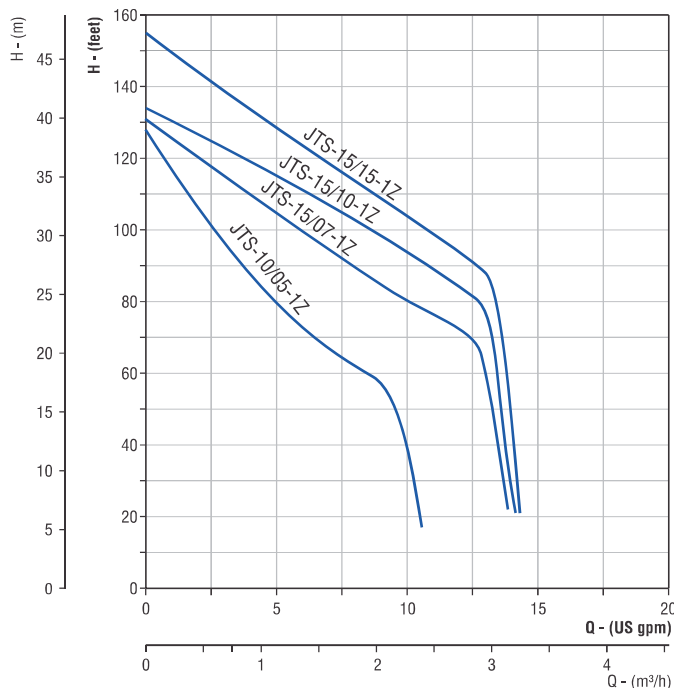
MATERIALS OF CONSTRUCTION

Pump Casing	: S.S 304
Motor Frame	: Aluminium
Impeller	: S.S 304
Shaft	: S.S 304 + Carbon Steel #45
Mechanical Seal	: Carbon & Ceramic

PUMP OPERATING LIMITS

Maximum Head	: 148 ft / 44 m
Maximum Suction lift	: 23 ft / 7 m
Maximum liquid Temperature	: 140°F / 60°C
Maximum Ambient Temperature	: 122°F / 50°C

PERFORMANCE CURVES



SPECIFICATIONS

Power Range	: 0.5 HP - 1.5 HP
Speed	: 3450 rpm
Versions	: 1Ph, 110/220V, 60Hz (Permanent Split Capacitor-PSC) Incorporated with thermal overload protector 3Ph, 220/380/460V, 60Hz
Direction of Rotation	: Clock wise viewed from driving end
Type of Duty	: S1 (Continuous)
Degree of Protection	: IP 55
Class of insulation	: "F" / "B"
Suction & Delivery Sizes	: 1" x 1" BSP / NPT

PERFORMANCE TABLE

PUMP MODEL	MOTOR POWER		NOMINAL PUMP SIZE (Suc x Del)	m³/h							
	HP	kW		0	0.57	1.13	1.7	2.27	2.84	3.18	
				US-gpm							
				0	2.5	5	7.5	10	12.5	14	
JTS-10/05-1Z	0.5	0.37	1" x 1"	Total Head in feet	127	101	80	64	40	20(10.5gpm)	
JTS-15/07-1Z	0.75	0.55	1" x 1"		131	117	104	92	80	70	22(13.2gpm)
JTS-15/10-1Z	1.0	0.75	1" x 1"		134	125	115	105	94	82	21(13.5gpm)
JTS-15/15-1Z	1.5	1.1	1" x 1"		155	141	128	115	103	91	21

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