

STAINLESS STEEL

Self - Priming Jet Pumps

JT SERIES



DESCRIPTION

C.R.I. Self-Priming Jet pump's casing and ejector unit are designed carefully to give the best possible hydraulic efficiency and suction lift characteristics. Mechanical seals are made of carbon & ceramic which is precisely grounded to close tolerances. Shaft is made of quality steel & precisely grounded to ample size for transmitting the rated horse power, without any transmission loss. Most modern and highly sophisticated machinery and technology are employed in the manufacture of these pumps using quality raw materials & dynamically balanced impellers, rotors & shafts ensure longer life and noise free operation. The JTS series pumps are made of complete stainless steel construction which are more suitable for potable water.

SPECIFICATIONS

Power Range	: JTS : 0.37 kW - 1.1 kW JTB : 0.45 kW - 1.5 kW
Speed	: 2900 rpm
Degree of Protection	: IP 55 / IP 44
Class of insulation	: "F" / "B"
Versions	: Single phase - 230V, 50Hz A.C. supply (Permanent Split Capacitor-PSC) Incorporated with thermal overload protector Three phase - 380-415V, 50Hz A.C. supply
Direction of Rotation	: Clock wise viewed from driving end
Type of Duty	: S1 (Continuous)
Nominal Suction and Delivery Sizes	: 1" x 1", 1¼" x 1" (BSP)

MATERIALS OF CONSTRUCTION

	JTS	JTB
Pump Casing	: S.S 304	Cast Iron
Motor Frame	: Aluminum	Aluminum
Impeller	: S.S 304	Bronze / Brass
Shaft	: S.S 304	S.S 304
Mechanical Seal	: Carbon & Ceramic	Carbon & Ceramic

PUMP OPERATING LIMITS

Maximum Head	: 48.5 m / 159 ft
Maximum Suction lift	: 7 m
Maximum liquid Temperature	: +5°C ~ +60°C
Maximum Ambient Temperature	: 50°C

FEATURES

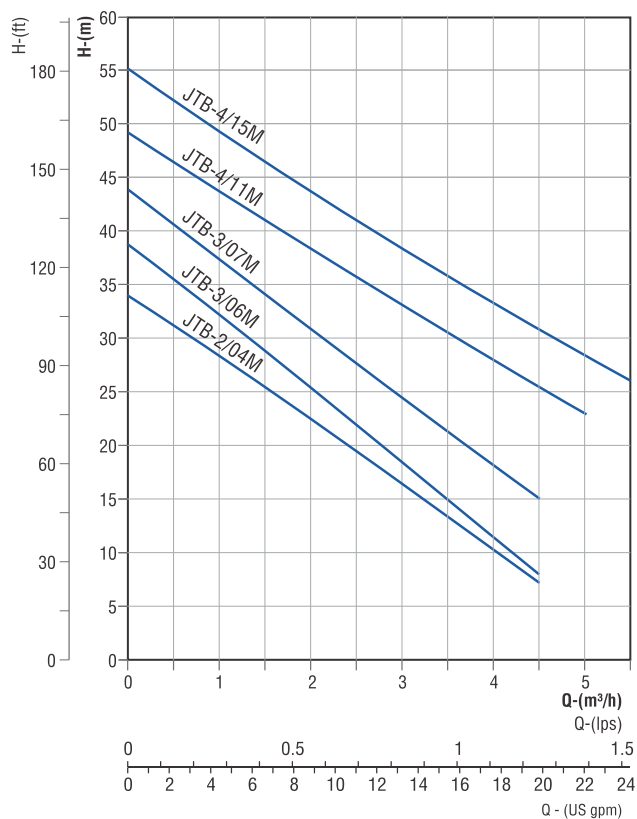
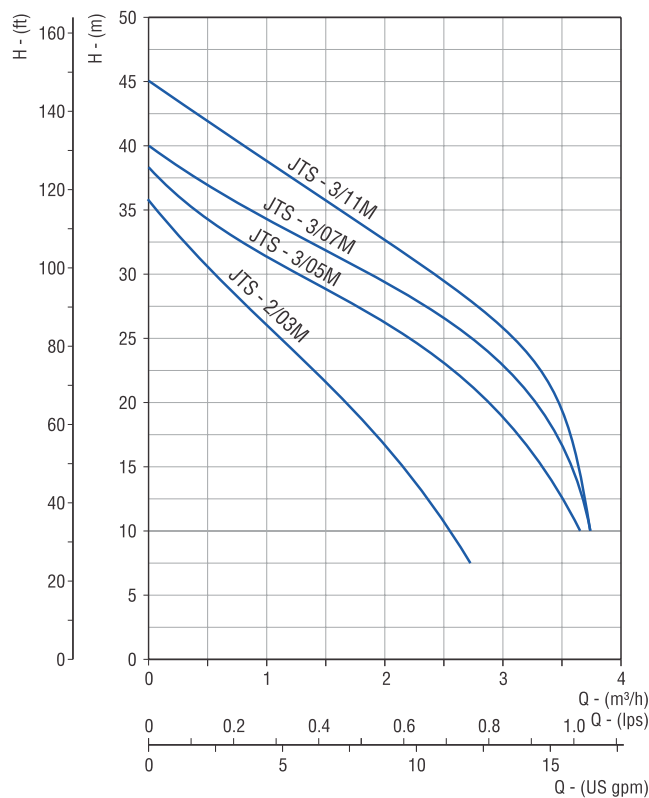
High operating efficiency resulting in lower power consumption.
 Good suction lift characteristics.
 Dynamically balanced rotating parts.
 Balanced and rigid construction.
 Inbuilt thermal overload protector in all single phase pumps.

APPLICATIONS

Residential, Irrigation, Small Farms, Pressure Boosting Units, Industrial Water Supply, Washing System, Food Processing Industries.

PERFORMANCE CURVES

JT SERIES

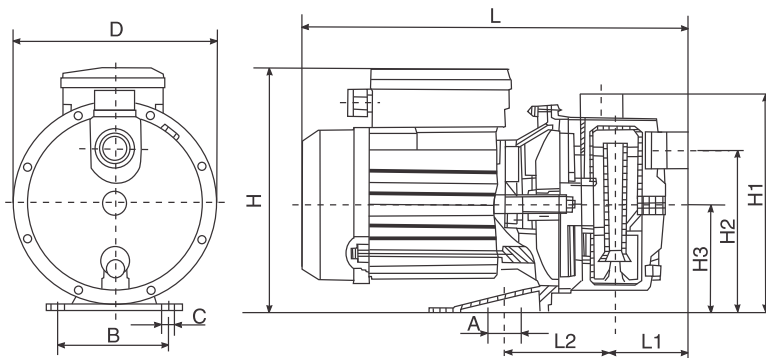


PERFORMANCE CHARTS

PUMP MODEL		MOTOR POWER		NOMINAL PUMP SIZE IN INCHES (Suc x Del)	DISCHARGE IN lps / m³/h								
					0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1
230V	380V	kW	HP		0	0.5	1	1.5	2	2.5	3	3.5	4
					TOTAL HEAD IN METRES								
JTS-2/03M	JTS-2/03T	0.37	0.5	1 x 1	36	31	26.5	21.5	17	11	7 (2.75m³/h)	-	-
JTS-3/05M	JTS-3/05T	0.55	0.75	1 x 1	38	34	31.5	28.5	26.5	23	18.5	12.5	10 (3.7m³/h)
JTS-3/07M	JTS-3/07T	0.75	1.0	1 x 1	40	37	34	32	29	26.5	23	17	10 (3.75m³/h)
JTS-3/11M	JTS-3/11T	1.1	1.5	1 x 1	45	42	38.5	36	32.5	29.5	26.5	19.5	10 (3.75m³/h)

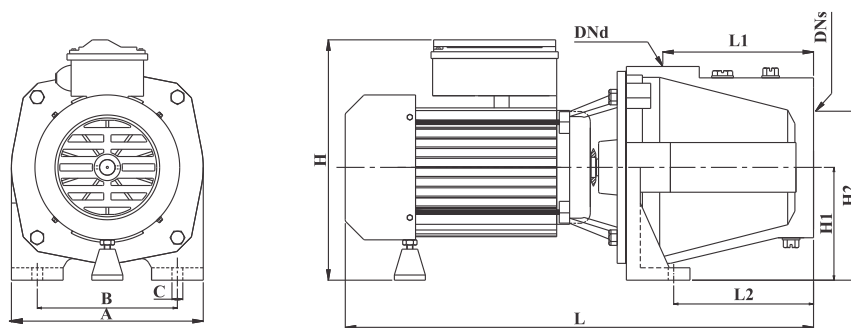
PUMP MODEL		MOTOR POWER		NOMINAL PUMP SIZE IN INCHES (Suc x Del)	DISCHARGE IN lps / m³/h						
					0	0.3	0.6	0.8	1.1	1.2	1.3
230V	380V	kW	HP		0	1	2	3	4	4.5	5
					TOTAL HEAD IN METRES						
JTB-2/04M	JTB-2/04T	0.45	0.6	1" x 1"	34	28	22.5	16	10.5	7.5	-
JTB-3/06M	JTB-3/06T	0.6	0.8	1" x 1"	38	33	26	18	12.5	8	-
JTB-3/07M	JTB-3/07T	0.75	1	1" x 1"	44	37	31	24.5	18.5	15	-
JTB-4/11M	JTB-4/11T	1.1	1.5	1¼" x 1"	49	43	38	33	27.5	25	23
JTB-4/15M	JTB-4/15T	1.5	2	1¼" x 1"	55	49	44	38	33	31	27

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

DIMENSIONAL DETAILS**JTS SERIES**

PUMP MODEL		MOTOR POWER		A	B	C	D	H	H1	H2	H3	L	L1	L2	APPROX. NETT WT IN Kg
230V	380V	kW	HP												
JTS-2/03M	JTS-2/03T	0.37	0.5	7	100	7	170	195	161	128	88	365	88	109	7.6
JTS-3/05M	JTS-3/05T	0.55	0.75	20	98	10	184	202	203	148	98	354	80	80	9.8
JTS-3/07M	JTS-3/07T	0.75	1.0	20	98	10	184	202	203	148	98	354	80	80	10.3
JTS-3/11M	JTS-3/11T	1.1	1.5	-	98	10	198	236	212	160	105	417	97	-	11.8

* All Dimensions are in mm.

JTB SERIES

PUMP MODEL		MOTOR POWER		Dns	DNd	DIMENSIONS IN mm									APPROX. NETT WT IN Kg
230V	380V	kW	HP			L	L1	L2	A	B	C	H1	H2	H	
JTB-2/04M	JTB-2/04T	0.45	0.6	1"	1"	440	150	230	180	140	9	100	150	200	14
JTB-3/06M	JTB-3/06T	0.6	0.8	1"	1"	440	150	230	180	140	9	100	150	200	15
JTB-3/07M	JTB-3/07T	0.75	1	1"	1"	440	150	230	180	140	9	100	150	200	19
JTB-4/11M	JTB-4/11T	1.1	1.5	1 1/4"	1"	530	160	285	200	160	10	120	165	240	15.5
JTB-4/15M	JTB-4/15T	1.5	2	1 1/4"	1"	530	160	285	200	160	10	120	165	240	16.5

* All Dimensions are in mm.