

SPECIFICATIONS

Power Range	: Upto - 3,0kW
Speed	: 2900 rpm
Degree of Protection	: IP 54 / IP 55
Class of Insulation	: 'B' / 'F'
Versions	: Single phase - 230V, 50Hz, A.C. Supply (Permanent split capacitor-PSC) Three phase - 380-415V, 50Hz A.C. supply
Direction of Rotation	: Clockwise viewed from driving end
Type of Duty	: S1 (Continuous)
Nominal Suction Size	: Upto 50mm
Nominal Delivery Size	: Upto 50mm

MATERIALS OF CONSTRUCTION

Pump Casing	: S.S 304
Motor Frame	: Aluminium
Impeller	: S.S 304
Shaft	: S.S 304 / Carbon Steel
Sealing	: Mechanical Seal (Carbon & Ceramic)

PUMP OPERATING LIMITS

Maximum Head	: Upto 35,5m
Maximum Suction Lift	: Upto 7m
Maximum Liquid Temperature	: Upto 40°C
Maximum Ambient Temperature	: Upto 50°C

FEATURES

- High Operating efficiency resulting in lower power consumption.
- Dynamically balanced rotating parts.
- Inbuilt thermal overload protector in all single phase pumps.
- Complete SS construction more suitable for potable water.

APPLICATIONS

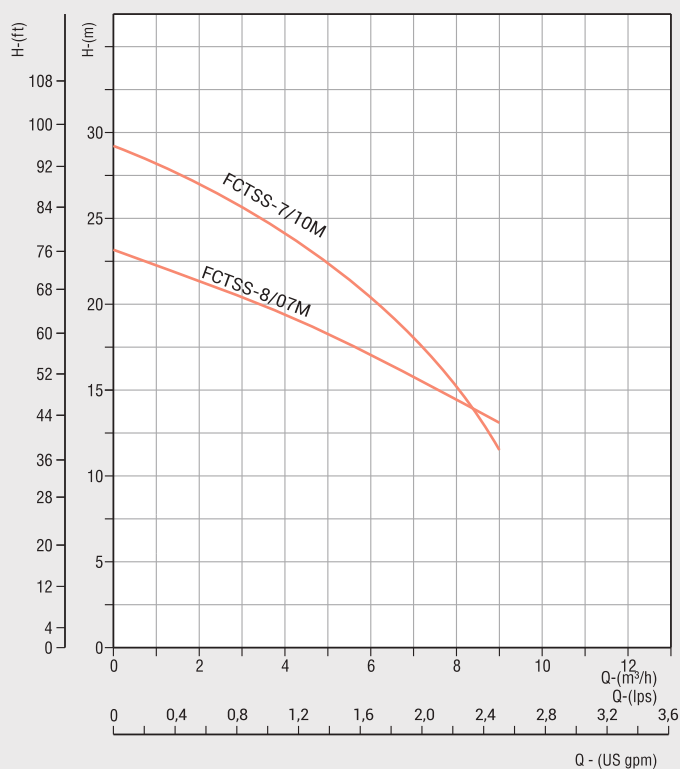
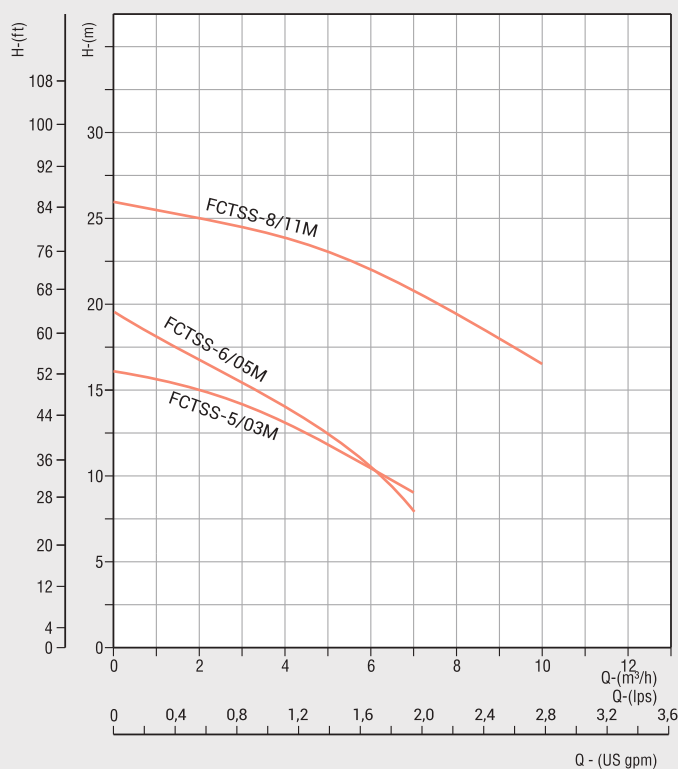
Residential, Irrigation, Small Farms, Pressure Boosting Units, Utility supply in Industrial, Food Processing Industries, Washing Systems.

PERFORMANCE CHART

FCTSS SERIES

PUMP MODEL		MOTOR POWER		RATED CURRENT(A)		NOMINAL PUMP SIZE in Inches (Suc x Del)	DISCHARGE IN lps / m³/h										
							0	0,27	0,55	0,83	1,1	1,3	1,6	1,9	2,2	2,5	2,9
230V	380V	kW	HP	1Ph 230V	3Ph 380V		0	1	2	3	4	5	6	7	8	9	10
							TOTAL HEAD IN METRES										
FCTSS-5/03M	FCTSS-5/03T	0,37	0,5	2,4	-	1¼" x 1"	16	15,5	15	14,5	13	11,5	10,5	9			
FCTSS-6/05M	FCTSS-6/05T	0,55	0,75	3,8	1,4	1¼" x 1"	19,5	18	17	15,5	13,5	12,5	11	8			
FCTSS-8/07M	FCTSS-8/07T	0,75	1,0	5,2	1,8	1¼" x 1"	23	22	21,5	20,5	19,5	18	17	16	14,5	13	
FCTSS-7/10M	FCTSS-7/10T	1,0	1,3	6,2	2,4	1¼" x 1"	29	28	26,5	25,5	24	22,5	20,5	18,5	15,5	11,5	
FCTSS-8/11M	FCTSS-8/11T	1,1	1,5	7	2,6	1¼" x 1"	26,5	26	25,5	25	24,5	23,5	22	20,5	19,5	18	17

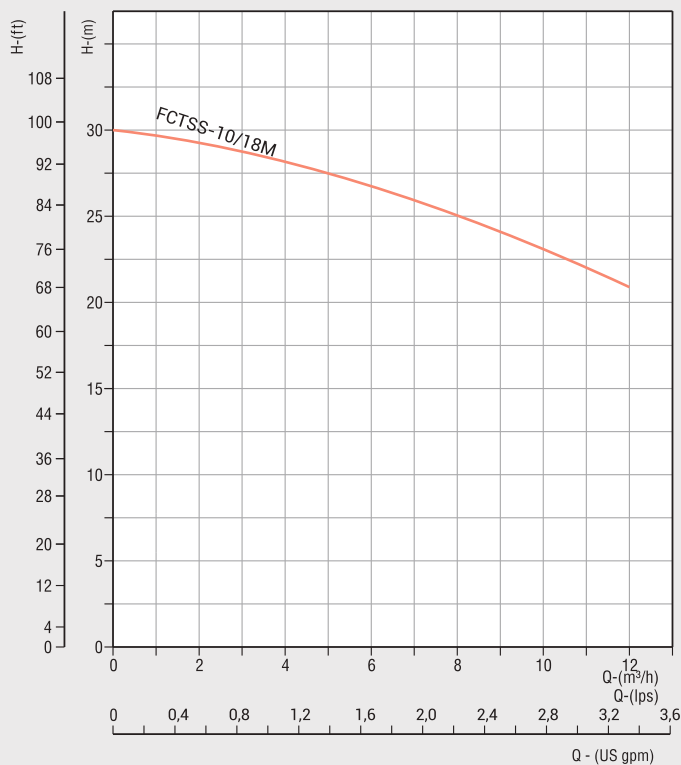
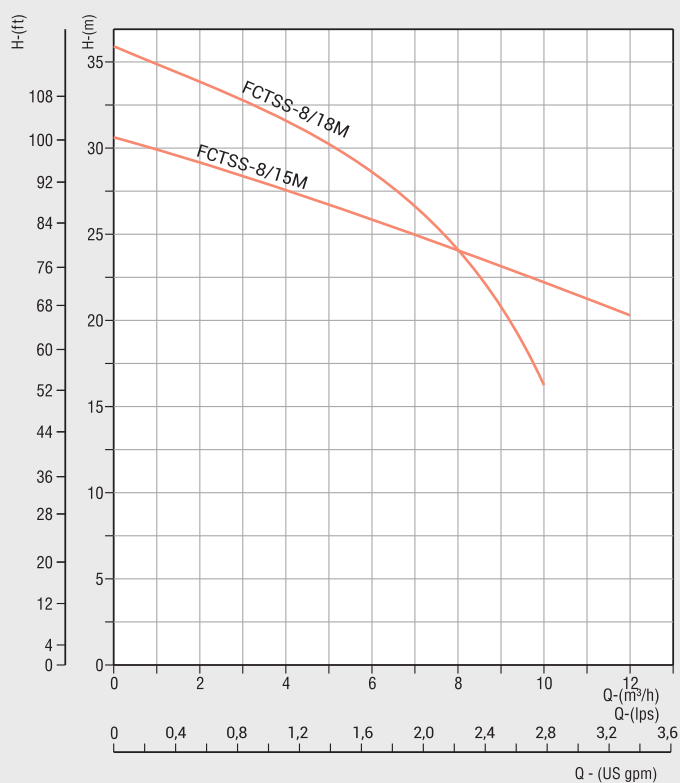
PERFORMANCE CURVES



PERFORMANCE CHART FCTSS SERIES

PUMP MODEL		MOTOR POWER		RATED CURRENT(A)		NOMINAL PUMP SIZE in Inches (Suc x Del)	DISCHARGE IN lps / m³/h											
							0	0,27	0,55	0,83	1,1	1,3	1,6	1,9	2,2	2,5	2,9	3,3
230V	380V	kW	HP	1Ph 230V	3Ph 380V		0	1	2	3	4	5	6	7	8	9	10	12
							TOTAL HEAD IN METRES											
FCTSS-8/15M	FCTSS-8/15T	1,5	2,0	9,2	3,5	1 ¼" x 1"	31	30	29	28,5	27,5	27	26	25	24,5	23	22	20,5
FCTSS-8/18M	FCTSS-8/18T	1,8	2,5	13	4,1	1 ¼" x 1"	36,5	35	34	33	32	30	28,5	27	24	20,5	16,5	
FCTSS-10/18M	FCTSS-10/18T	1,8	2,5	13	4,1	1 ¼" x 1"	30	29,5	29	28,5	28	27,5	27	26	25	24	23	21

PERFORMANCE CURVES

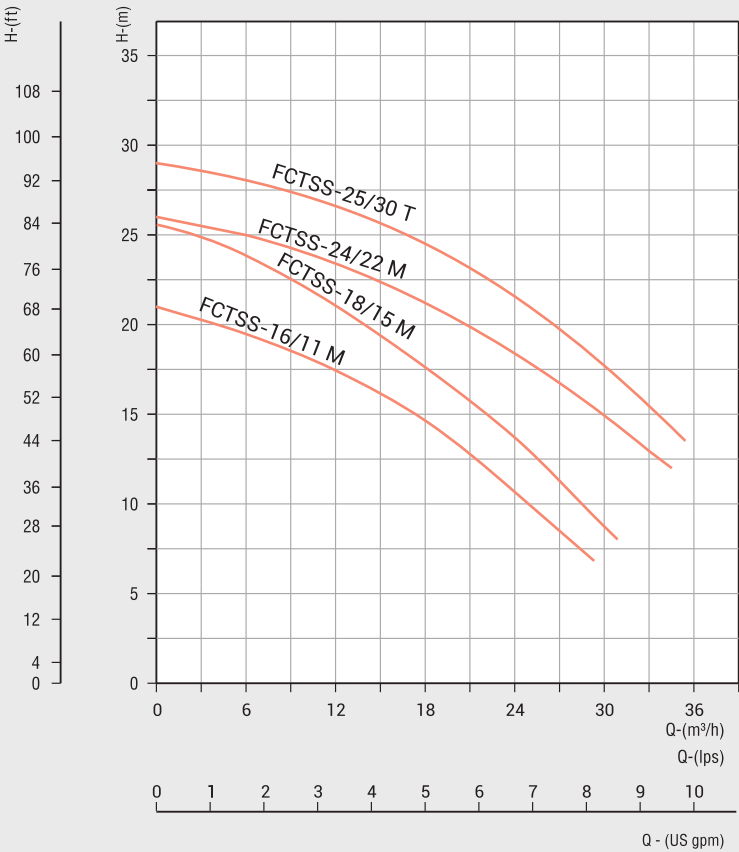


PERFORMANCE CHART

FCTSS SERIES

PUMP MODEL		MOTOR POWER		RATED CURRENT (A)		NOMINAL PUMP SIZE in Inches (Suc x Del)	DISCHARGE IN lps / m³/h													
							0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7	7.5	8.3	9.2	10	
230V	380V	kW	HP	1Ph 230V	3Ph 380V		0	3	6	9	12	15	18	21	24	27	30	33	36	
							TOTAL HEAD IN METRES													
FCTSS-16/11M	FCTSS-16/11T	1,1	1,5	7	2,6	2" x 2"	21	20	19	18,5	17,5	16,5	14,5	13	11	8,5	7 (29m³/h)			
FCTSS-18/15M	FCTSS-18/15T	1,5	2,0	9,2	3,5	2" x 2"	25,5	25	23,5	22,5	21	19	17,5	16	13,5	11	8,5	8 (31m³/h)		
FCTSS-24/22M	FCTSS-24/22T	2,2	3,0	14	4,9	2" x 2"	26	25,5	25	24,5	23,5	22,5	21,5	20	18,5	17	15	13 (34m³/h)		
-	FCTSS-25/30T	3,0	4,0	-	6,3	2" x 2"	29	28,5	28	27,5	26,5	25,5	24,5	23	22	20	17,5	15,5 (35m³/h)		

PERFORMANCE CURVES



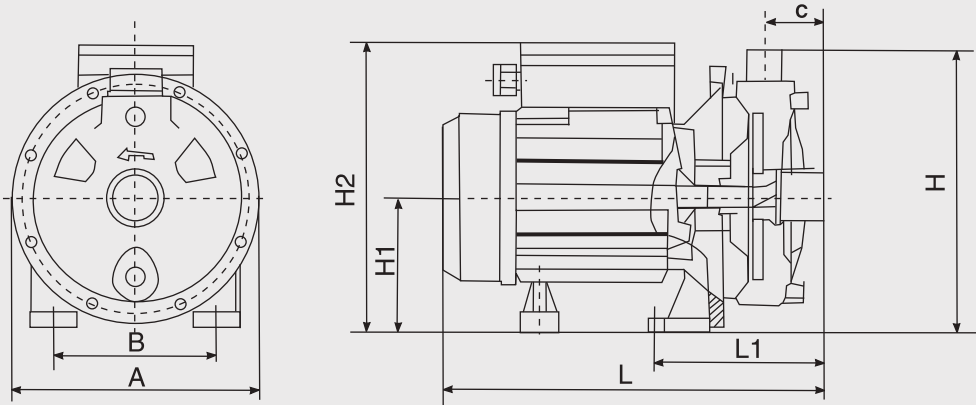
DIMENSIONAL DATA

FCTSS SERIES

PUMP MODEL		MOTOR POWER		A	B	C	H	H1	H2	L	L1	APPROX. NETT WT in kg
230V	380V	kW	HP									
FCTSS-5/03M	FCTSS-5/03T	0,37	0,5	170	100	50	180	84	186	270	120	6,5
FCTSS-6/05M	FCTSS-6/05T	0,55	0,75	213	140	47	222	110	242	313	138	12,5
FCTSS-8/07M	FCTSS-8/07T	0,75	1,0	213	140	47	222	110	242	313	138	13,5
FCTSS-7/10M	FCTSS-7/10T	1,0	1,3	213	140	47	222	110	242	313	138	15,5
FCTSS-8/11M	FCTSS-8/11T	1,1	1,5	213	140	47	222	110	242	313	138	15,5
FCTSS-8/15M	FCTSS-8/15T	1,5	2,0	234	150	49	240	120	251	337	140	18,5
FCTSS-8/18M	FCTSS-8/18T	1,8	2,5	234	150	49	240	120	251	337	140	22,0
FCTSS-10/18M	FCTSS-10/18T	1,8	2,5	231	140	47	222	110	255	366	138	21,5

* All Dimensions are in mm.

DIMENSIONAL DRAWINGS



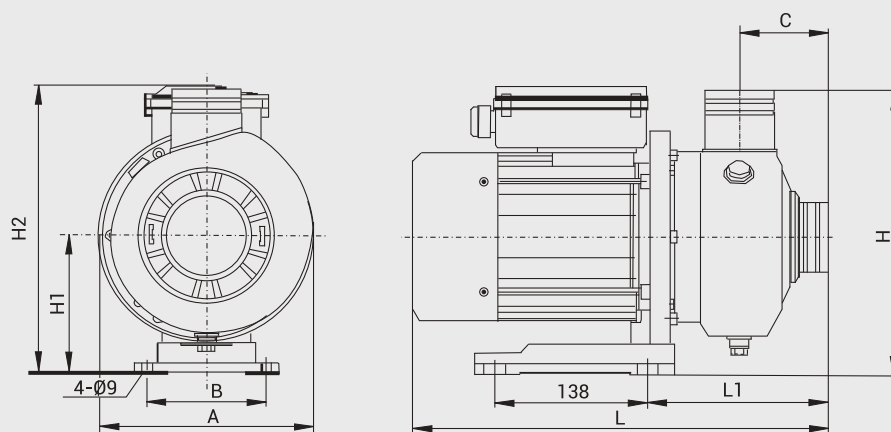
DIMENSIONAL DATA

FCTSS SERIES

PUMP MODEL		MOTOR POWER		A	B	C	H	H1	H2		L	L1	APPROX. NETT WT in kg
230V	380V	kW	HP						1Ph	3Ph			
FCTSS-16/11M	FCTSS-16/11T	1,1	1,5	193	108	82	258	125	265	235	378	165	16,5
FCTSS-18/15M	FCTSS-18/15T	1,5	2,0	193	108	82	258	125	265	235	378	165	18
FCTSS-24/22M	FCTSS-24/22T	2,2	3,0	193	108	82	258	125	242	242	415	165	22
-	FCTSS-25/30T	3,0	4,0	193	108	82	258	125	-	242	432	165	23

* All Dimensions are in mm.

DIMENSIONAL DRAWINGS



STAINLESS STEEL SELF-PRIMING JET PUMPS

FJT SERIES

SPECIFICATIONS

Power Range	: FJTS : 0,37 kW - 1,1 kW FJTB : 0,45 kW - 1,5 kW
Speed	: 2900 rpm
Degree of Protection	: FJTB : IP 44 FJTS : IP 54 / IP 55 (Optional)
Class of insulation	: "B" / "F"
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
Type of Duty	: S1 (Continuous)
Nominal Suction Size	: Upto 32mm
Nominal Delivery Size	: Upto 25mm



MATERIALS OF CONSTRUCTION

	FJTS	FJTB
Pump Casing	: S.S 304	Cast Iron
Motor Frame	: Aluminum	Aluminum
Impeller	: S.S 304	Bronze / Brass / Aluminium*
Shaft	: S.S 304	S.S 304
Mechanical Seal	: Carbon & Ceramic	Carbon & Ceramic

PUMP OPERATING LIMITS

Maximum Head	: Upto 48m
Maximum Suction lift	: Upto 7m
Maximum liquid Temperature	: Upto 40°C
Maximum Ambient Temperature	: Upto 50°C

FEATURES

- High operating efficiency resulting in lower power consumption.
- Dynamically balanced rotating parts.
- Inbuilt thermal overload protector in all single phase pumps.
- Quite Running
- FJTS pumps are with stainless steel pump parts-more suitable for potable water.

APPLICATIONS

Residential, Irrigation, Small Farms, Pressure Boosting Units, Utility water supply in Industries, Food Processing Industries.

* For Aluminium impeller pump models the fourth digit of the model name will be replaced with "A".