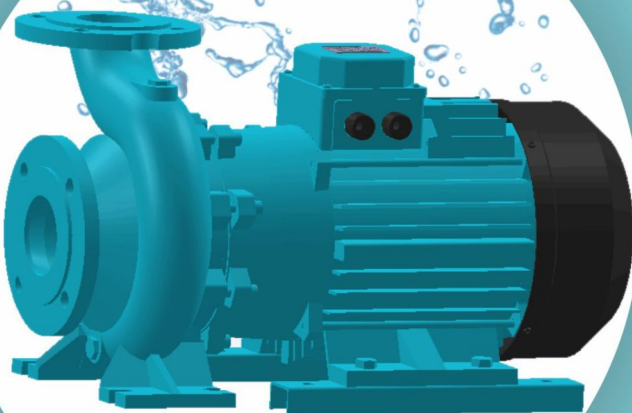


TARGET

PUMPS • MOTORS

INNOVATION

TRUST **QUALITY**



**CENTRIFUGAL
MONOBLOCK
PUMP-SET**

20 HP



Enriching
Excelling
Enhancing

Focusing on a culture of continuous improvement & consistent performance, we strive to be leading provider of energy efficient pumping solution, while expanding our influence in the world.

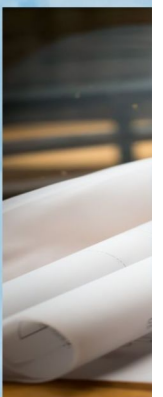
20 HP MONOBLOCK

OVERVIEW

Target centrifugal monoblock pump sets are powered by TEFC (Totally Enclosed Fan Cooled) AC induction motor having two poles. Motor stator and rotor stampings are made up of low loss laminated silicon electrical sheets assembled under pressure and stator winding is finally locked in the Motor Body(Frame). The windings are made up of high grade insulation copper wire having excellent electrical and thermal properties. Construction of motor frame and usage of standard quality material results in high performance and low temperature rise of product.

SALIENT FEATURES

- High operating efficiency resulting in lower power consumption.
- Windings are vacuum impregnated with synthetic varnish to resist moisture, internal vibrations and interturn faults.
- Specially designed for wide voltage variations.
- Dynamically balanced rotor and impeller ensures minimum vibration and maximum operating life.
- Insulation class 'F' materials are used to withstand high temperature rise.
- Double shielded ball bearings are used to avoid ingress of dust particles and to eliminate external lubrication.
- Good suction-lift characteristics.
- Robust design for easy installation and servicing.



TECHNICAL SPECIFICATION

OUTPUT POWER	15 KW / 20 HP
VOLTAGE RANGE	400/690 V,50HZ
SPEED	2900 RPM
FRAME SIZE INDUCTION MOTOR	132 m
MAXIMUM TOTAL HEAD	41.5 m
MAXIMUM DISCHARGE	2100 lpm
DEGREE OF PROTECTION	IP 55
ENCLOSURE	TEFC
CLASS OF INSULATION	'F'
MAXIMUM AMBIENT TEMPERATURE	40°C
SEALING	Mechanical Seal
TYPE OF DUTY	S1(Continuous)
METHOD OF STARTING	Star-Delta starter ,Soft starter
NOMINAL PUMPSET SIZE (SUCTION X DELIVERY)	80mm x 65mm

APPLICATIONS

- Irrigation of Fields/Farms
- Horticulture Irrigation
- Garden watering
- Dairy and Farms
- Industrial Washing and cleaning systems



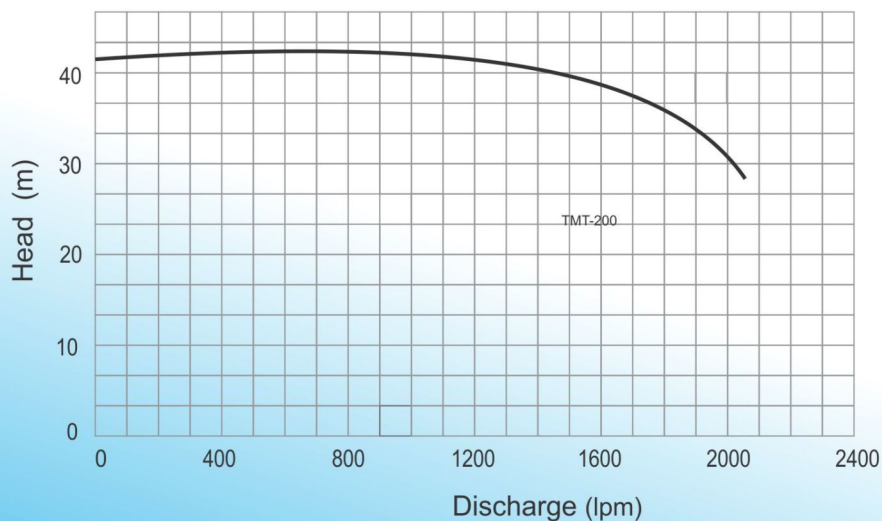
MATERIAL OF CONSTRUCTION

SR.NO	PART NAME	MATERIAL
1	Pump Casing	Cast Iron / SS 304
2	Impeller	Cast Iron / SS 304
3	Motor Body	Cast Iron
4	End Shield	Cast Iron / SS 304
5	Fan	PVC
6	Fan Cover	S.S / M.S
7	Terminal Box	Plastic / SS / ALU
8	Stamping	M 45
9	Mechanical Seal	Carbon & Ceramic

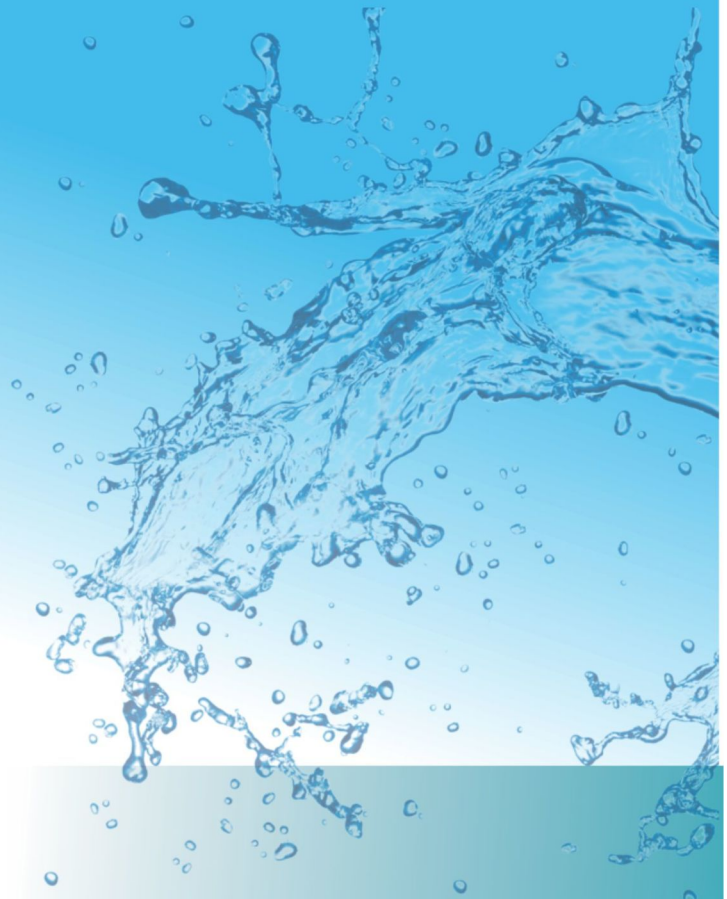
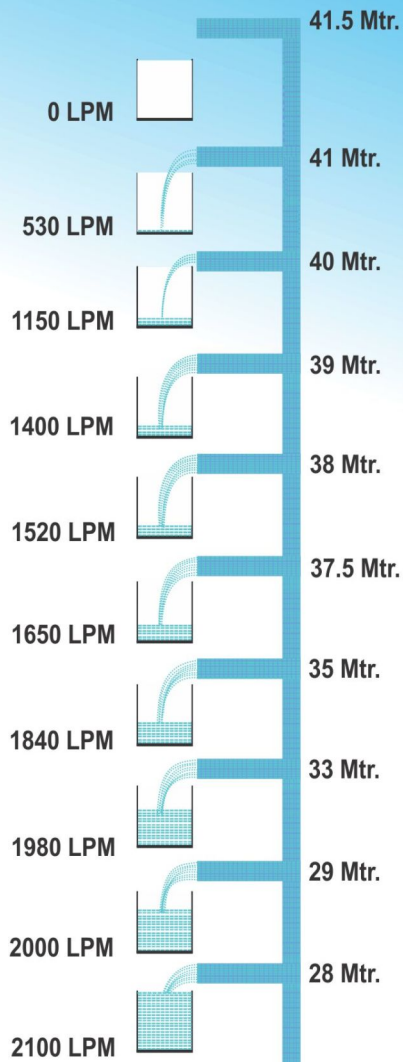
HYDRAULIC CHARACTERISTICS

Type	Power (KW)	Power (HP)	In(A)3Ø		Is/In	U.S.g.p.m										
			Δ _{380v}	Δ _{415v}		0	140.03	303.83	369.88	401.59	435.93	486.13	523.12	528.40	554.82	
						m ³ /h	0	31.8	69	84	91.2	99	110.4	118.8	120	126
						l/min	0	530	1150	1400	1520	1650	1840	1980	2000	2100
TMT 200	15	20	28	26.5	6.6	H (m)	41.5	41	40	39	38	37.5	35	33	29	28

PERFORMANCE CURVE



HEAD-DISCHARGE REPRESENTATION



TARGET PUMPS PVT. LTD



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