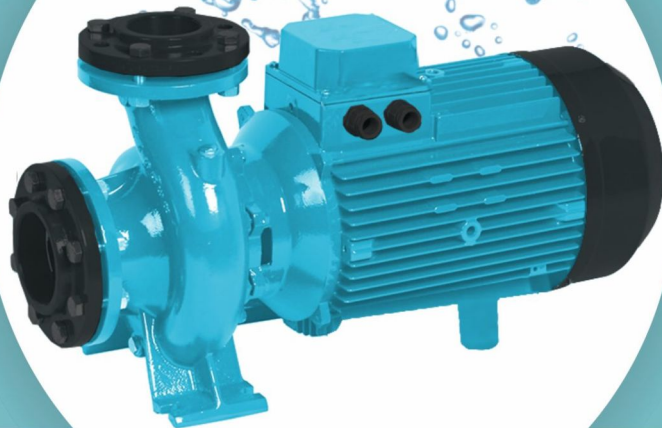


**TARGET**

PUMPS • MOTORS

**INNOVATION**

**TRUST** **QUALITY**



**CENTRIFUGAL  
MONOBLOCK  
PUMP-SET**

**7.5 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.

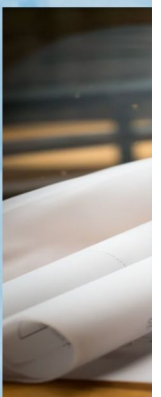
## 7.5 HP MONOBLOCK (3Ø)

### 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**

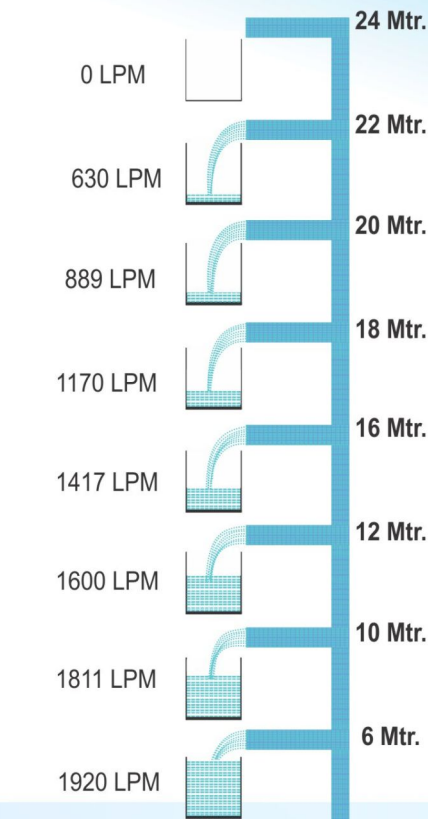
OUTPUT POWER	5.5 KW / 7.5 HP
VOLTAGE RANGE	400/690 V
SPEED	2920 RPM
FRAME SIZE INDUCTION MOTOR	112
MAXIMUM TOTAL HEAD	24 m
MAXIMUM DISCHARGE	1960 lpm
DEGREE OF PROTECTION	IP 55
ENCLOSURE	TEFC
CLASS OF INSULATION	'F'
MAXIMUM AMBIENT TEMPERATURE	40°C
SEALING	Mechanical Seal
TYPE OF DUTY	S1 (Continuous)
METHOD OF STARTING	Star-Delta starter ,Soft starter
NOMINAL PUMPSET SIZE (SUCTION X DELIVERY)	80mm x 65mm

## **APPLICATIONS**

- Heating
- Recycling plant
- Hotels and Hospitals
- Agriculture and Irrigation
- Industrial services



## HEAD-DISCHARGE REPRESENTATION



**TARGET PUMPS PVT. LTD**

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[info@targetpumps.com](mailto:info@targetpumps.com)

## 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)		ls/lm	U.S.g.p.m														
			$3\phi$			0	177	262	309	374	413	422	478	501	507	517				
			$\Delta$ 380v	$\Delta$ 415v		$m^3/h$	0	40.2	59.6	70.2	85	93.9	96	108.6	114	115.2	117.6			
						l/min	0	670	993	1170	1417	1565	1600	1811	1900	1920	1960			
TMT 75	5.5	7.5	10.8	9.9	8.6	$\frac{H}{(m)}$	24	22	20	18	16	14	12	10	8	6	4			

## PERFORMANCE CURVE

