

T Series

Permanent Magnet Frequency Conversion Booster Pumps 50/60Hz

PRODUCT CATALOGUE



PRODUCT OVERVIEW

Permanent Magnet Motor

Product Description

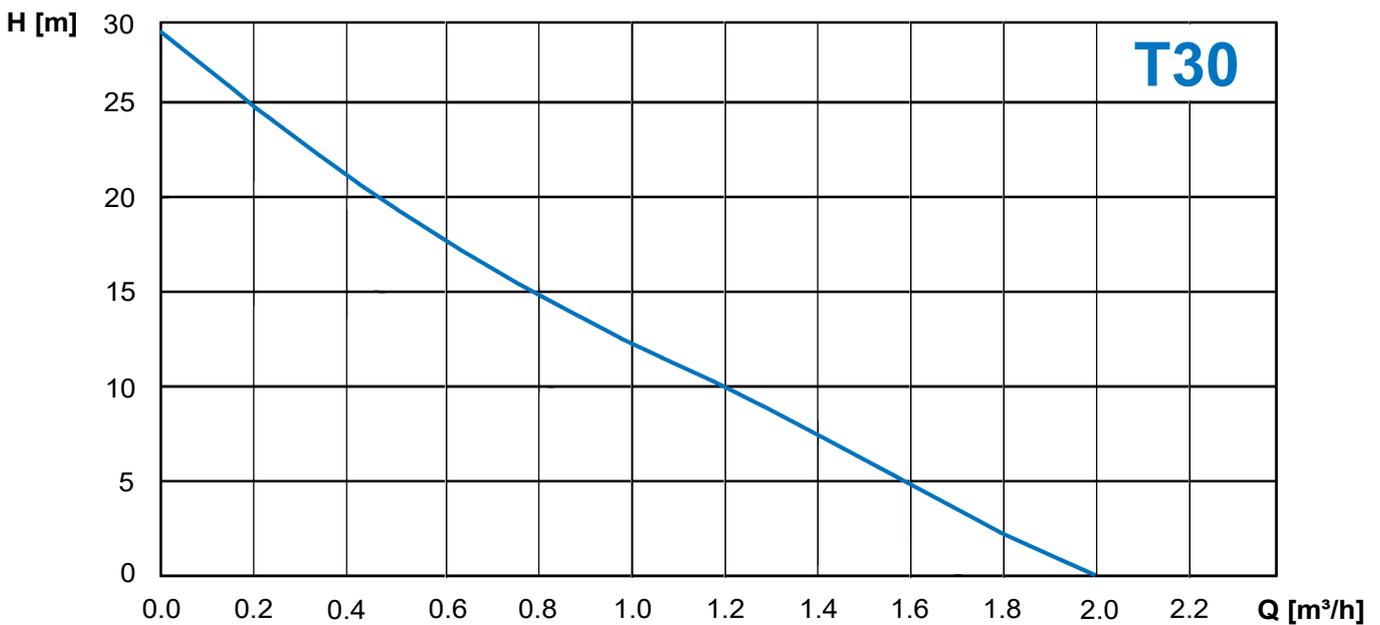
T30 is a smart permanent magnet variable frequency household booster pump. It is advanced, intelligent solution engineered with 24V safe voltage equipped with a high-precision control chip, it delivers smart, accurate pump regulation for enhanced safety, reliability, energy efficiency, and quiet operation. Featuring an intelligent flow sensor and AI-driven adaptive algorithms, the pump automatically activates upon water flow detection and powers down when usage ceases. It is designed for residential applications such as small home water supply, tap water pressurization, electric/solar water heater pressure support, smart toilet system optimization.



Model Description



Performance Curve



Model	Power (W)			Max Pressure(m)			Max flow(m³/h)			Voltage
	Stage I	Stage II	Stage III	Stage I	Stage II	Stage III	Stage I	Stage II	Stage III	
T30	85	100	130	24	27	29	1.7	1.8	2	DC24V

PRODUCT OVERVIEW

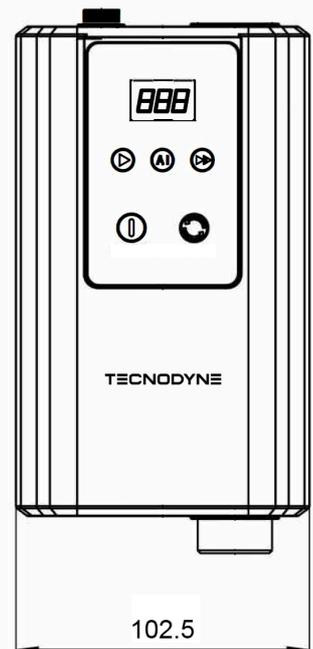
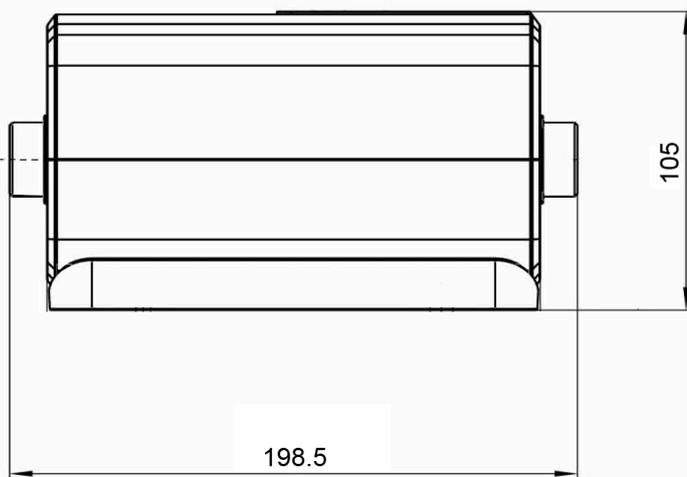
Energy Saving

Technical Data

Product Model	T30
Voltage (input to controller)	AC 160-240V, 1 ph
Voltage (output)	DC-24V
Frequency	50/60Hz
Power	130 W
Max Current	5.6 Amps
Max. Flow	2 m ³ /h
Rated Flow	1 m ³ /h
Starting Flow	0.03 - 0.05 m ³ /h
Max. Head	29 m
Rated Head	14 m
Max. System Pressure	≤ 0.45 MPa (4.5 bar)
Min / Max. ambient temperature	0 - 40 °C
Min / Max water temperature	0 - 90 °C
Noise level	≤ 40 db(A)
Protection class	IP55
Inlet / Outlet Diameter	20 mm
Power cable length	1.8 m
Motor	Permanent Magnet Motor (Copper winding)
Max speed	8500 rpm
Motor cooling	Water-cooled
Insulation Class	F

DIMENSIONAL DRAWINGS

Smart Compact Design



Product Model	T30
Product Number	211010
Product Dimensions	198.5 x 102.5 x 105 mm
Net Weight	2.2 kg
Packaging Dimensions	258 x 207 x 118 mm
Gross Weight	2.9 kg
Number of pieces per Carton	6 pcs / ctn
Gross Weight per Carton	18.2 kg
Warranty	12 Months

TECNODYNE

TECNODYNE PUMPS INC.

02 Sheppard Ave E, North York
Ontario, Canada M2N 5Y7
T: +1 (647) 255-2270
info@tecnodyne.ca
www.tecnodyne.ca

TECNODYNE (China) Ltd.

Suite C, Level 7, World Trust Tower
50 Stanley Street, Central
Hong Kong
hk@tecnodynepumps.com
www.tecnodynepumps.com