



WALRUS
PUMP

TPH Series

Multistage Centrifugal Pump



**Better Life
Through Innovation**

TPH Series Multistage Centrifugal Pump

50 Hz

Power: 0.42 - 11.6 kW

Head: Up to 70 M

Flow: Up to 1200 L/min

Outlet: 1" - 3"

Inlet: 1" - 3"



Construction Industry



Agriculture & Fishing Industry



Manufacturing Industry



Electricity & New Energy Industry



Entertainment & Leisure Industry



Accommodation & Food Service Industry



Wholesale & Retail Industry



Water Supply & Pollution Control



Service Industry

Product Features

- The TPH Series is horizontal multistage centrifugal pump, suitable for clean water/liquid without abrasive matters. Horizontal multistage centrifugal pump, non self-priming, co-axial pump/motor design, impellers mounted on extended motor shaft. Main working parts made by stainless steel.

Applications

The applications are versatile, such as pressure boosting, transfer, circulation, and machinery.

- Industrial circulation system
- Washing/cleaning system
- Pressure booster system
- Water/liquid transfer
- Agricultural irrigation

Model Code

	TPH	4T	2K	S	F	A	H	C-H
Model type								
Nominal flow rate (m ³ /hr)								
Nominal head (kg/cm ²)								
N: SUS 316 (2T/4T/25T)								
S: SUS 304 (2T/4T/8T/12T)								
Flange type (25T)								
Air conditioning (IP 44)								
Insulation class: H.								
Insulation class: H. (2T/4T)								
Mechanical seal type: HGSV (Carbon + SiC + Viton)								
Water temperature: +4°C ~ +120°C								
Oil temperature: +0°C ~ +150°C								

Operating Conditions

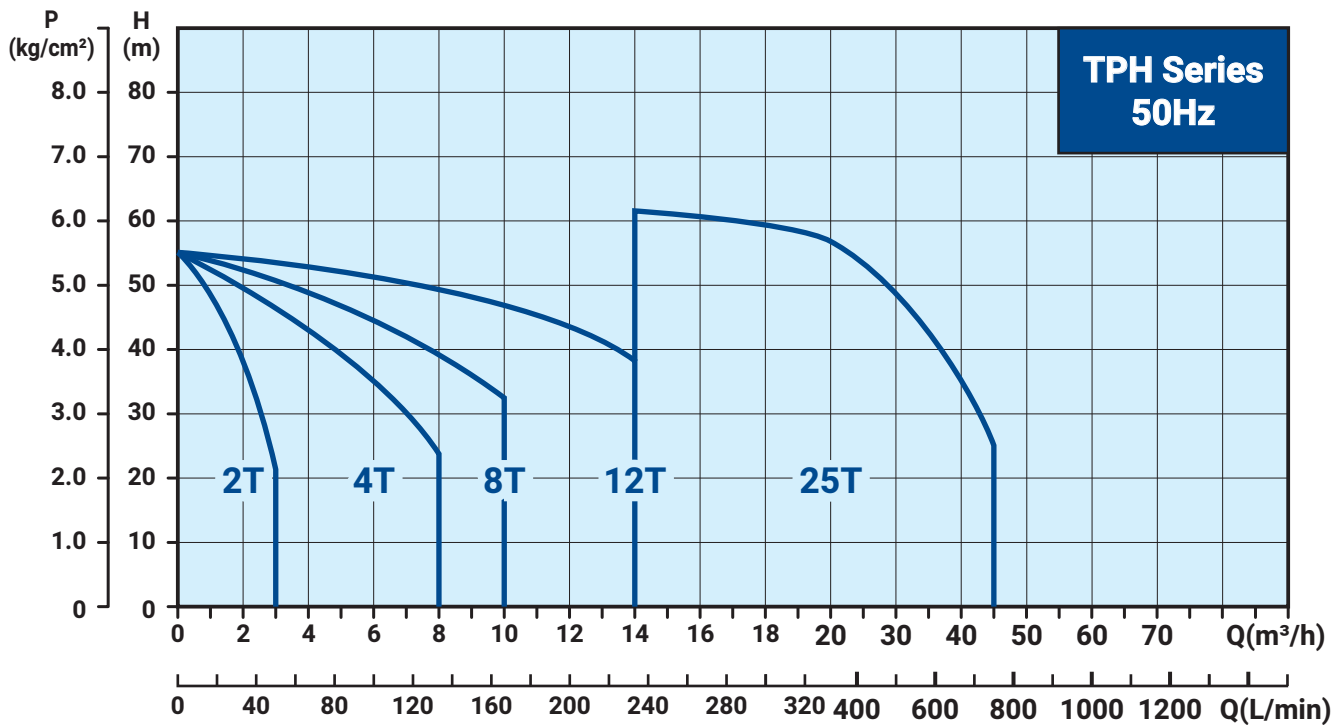
- Ambient Temperature: Max.+40°C
- Liquids Temperature: +0°C ~ +90°C
- System Pressure: Max. 10 kg/cm²
- Inlet Pressure: Max. 6 kg/cm²

Motor

- Enclosure protection class: IP54
- Insulation class: F.
- Frequency range: 50Hz
- Nominal speed: 2900 rpm

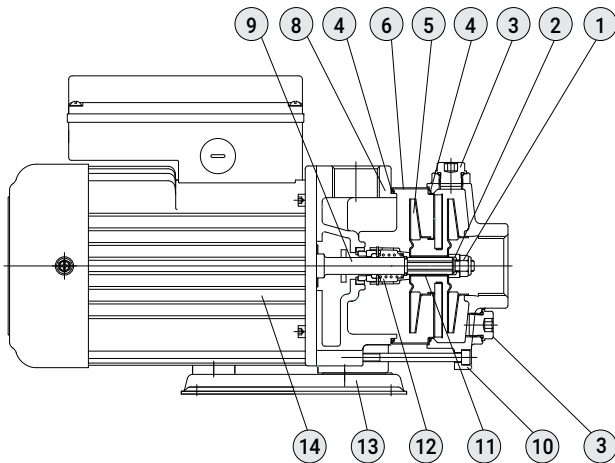
Optional: 50Hz, 60Hz models are available on request.

Performance Curve, 50Hz



Sectional Drawing

TPH 2T/4T

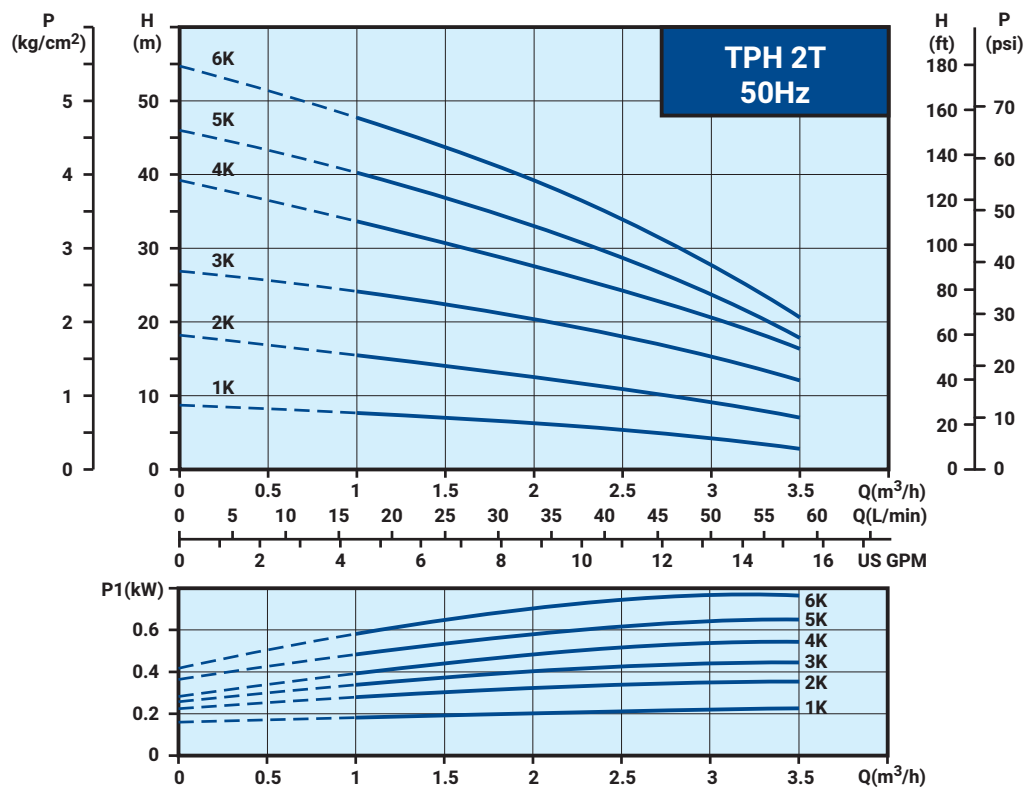


Materials

NO.	Part Name	Material		
		Standard	S series	N series
1	Lock Nut	SUS 316	SUS 316	SUS 316
2	Sleeve (Shaft End)	SUS 316	SUS 316	SUS 316
3	Water Plug	SUS 304	SUS 304	SUS 316
4	O Ring	HNBR	HNBR	HNBR
5	Impeller	SUS 304	SUS 304	SUS 316
5-1	Impeller	SUS 316	-	SUS 316
6	Intermediate Chamber	SUS 304	SUS 304	SUS 316
6-1	Intermediate Chamber	SUS 316	-	SUS 316
7	Gasket	Teflon	Teflon	Teflon
8	Pump Casing	FC 20	SUS 304	SUS 316
9	Shaft	SUS 304	SUS 304	SUS 316
9-1	Shaft	SUS 316	-	SUS 316
10	Suction Chamber	FC 20	SUS 304	SUS 316
11	Sleeve	SUS 304	SUS 304	SUS 316
11-1	Sleeve	SUS 316	SUS 316	SUS 316
12	Mechanical Seal	MGSH (TPH2T/4T) HGSH (TPH8T/12T/25T)		
13	Mounted Base	SPCC		
14	Motor Shell	Steel/Aluminum alloy		
15	Gasket	EPDM		
16	Flange	FC 20	-	SUS 316

SUS 304 may be replaced by SUS316, depending on stock availability.

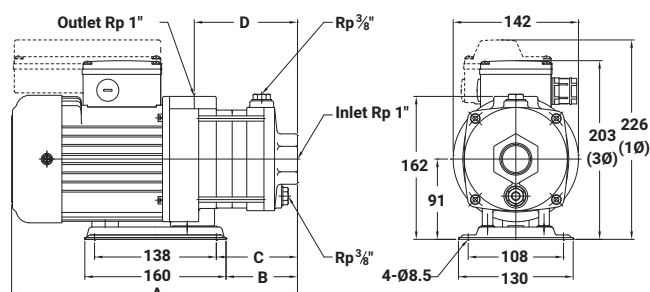
Performance Curve, TPH 2T



Electrical Data, TPH 2T

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPH 2T2K	1	51R	50	200-240	0.45	0.31	2.4
	3	53Q		200-240/380-440	0.42	0.29	2.0/1.3
TPH 2T3K	1	51R	50	200-240	0.50	0.34	2.5
	3	53Q		200-240/380-440	0.52	0.35	2.2/1.4
TPH 2T4K	1	51R	50	200-240	0.60	0.41	2.9
	3	53Q		200-240/380-440	0.59	0.40	2.3/1.4
TPH 2T5K	1	51R	50	200-240	0.76	0.52	4.0
	3	53Q		200-240/380-440	0.68	0.46	3.0/1.9
TPH 2T6K	1	51R	50	200-240	0.88	0.60	4.3
	3	53Q		200-240/380-440	0.86	0.59	3.1/2.0

Dimensions

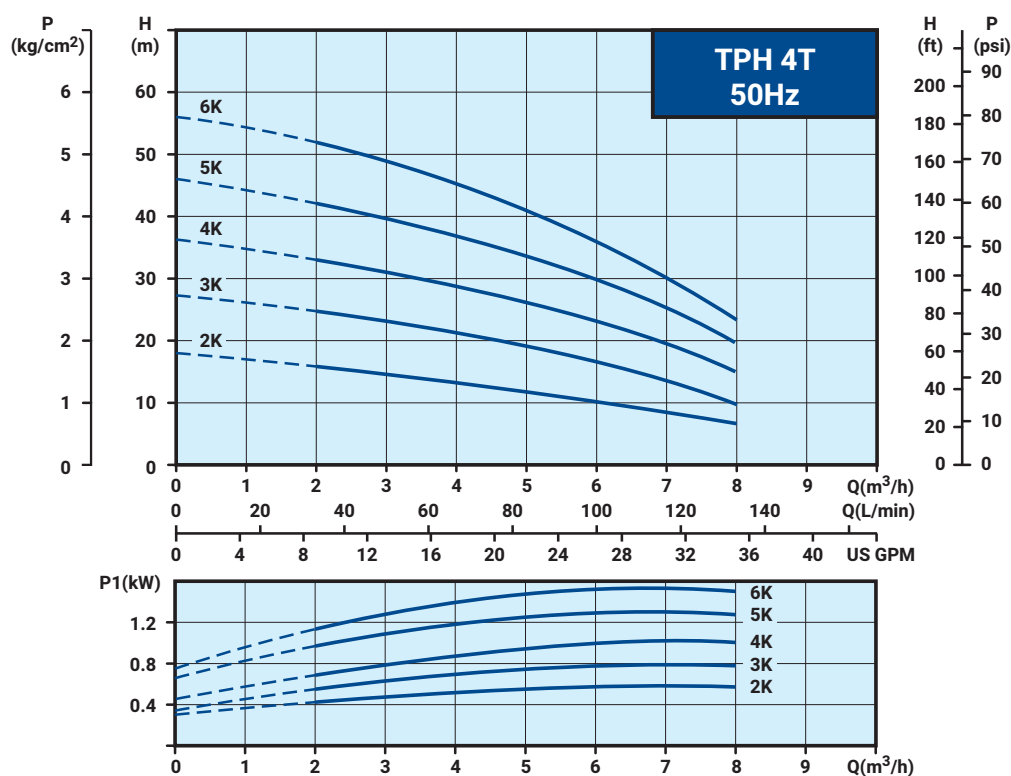


Model	A mm	B mm	C mm	D mm	N.W. kg	
TPH 2T1K	306	63	74	99	11.7	36
TPH 2T2K	306	63	74	99	11.8	36
TPH 2T3K	324	81	92	117	11.9	36
TPH 2T4K	342	99	110	135	12.0	36
TPH 2T5K	400	117	128	153	13.5	30
TPH 2T6K	418	135	146	171	13.6	30

Model	Voltage code	A mm	B mm	C mm	D mm	N.W. kg	
TPH2T1K	A3V	286	63	74	99	10.7	36
TPH2T2K	A3V	286	63	74	99	10.8	36
TPH2T3K	A3V	304	81	92	117	10.9	36

Dimensions

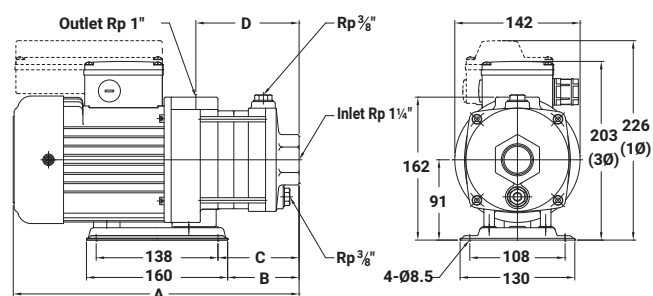
Performance Curve, TPH 4T



Electrical Data, TPH 4T

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPH 4T2K	1	51R	50	200-240	0.60	0.41	3.1-2.9
	3	53Q		200-240/380-440	0.60	0.41	2.3/1.4
TPH 4T3K	1	51R	50	200-240	0.95	0.65	4.5
	3	53Q		200-240/380-440	0.83	0.57	3.3/2.1
TPH 4T4K	1	51R	50	200-240	1.20	0.82	5.7
	3	53Q		200-240/380-440	1.01	0.69	3.7/2.2
TPH 4T5K	1	51R	50	200-240	1.37	0.93	6.9
	3	53Q		200-240/380-440	1.30	0.89	4.1/2.4
TPH 4T6K	1	51R	50	200-240	1.47	1.00	7.7
	3	53Q		200-240/380-440	1.64	1.12	5.5/3.5

Dimensions



Model	Cycle Hz	A mm	B mm	C mm	D mm	N.W. kg	
TPH 4T2K	50/60	315	72	83	108	11.7	36
TPH 4T3K	50/60	382	99	110	135	13.3	30
TPH 4T4K	50/60	409	126	137	162	14.1	30
TPH 4T5K	50/60	436	153	164	189	14.2	30
TPH 4T6K	50	463	180	191	216	15.1	24
	60	494	180	191	216	16.1	24