



WALRUS
PUMP

Immersible Pumps



**Better Life
Through Innovation**

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TPHK Series Immersible Pump

50 Hz

Power: 0.37 - 2.13 kW

Head: Up to 65 M

Flow: Up to 315 L/min

Outlet: 3/4" - 1 1/4"

60 Hz

Power: 0.37 - 2.83 kW

Head: Up to 90 M

Flow: Up to 355 L/min

Outlet: 3/4" - 1 1/4"



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

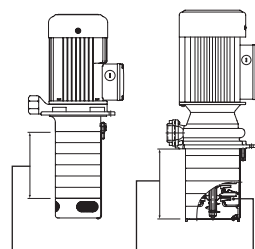
- Immersible vertical multistage centrifugal pump, self-priming, co-axial pump/motor design, impellers mounted on extended motor shaft. Main working parts made by stainless steel.

Applications

The TPHK Series is vertical multistage centrifugal pump, designed for industrial use, specially for machine tools. It is suitable to carry fluids such as water, coolant, light oil and other clean, non aggressive matters:

- Industrial circulation system
- Washing/cleaning system
- Filtration system

Model Code



Model type
Standard capacity m³/h
Number of Stages
Number of Impellers
Stainless steel series

TPHK 2T 6 - 4 S

Operating Conditions

- Ambient temperature: Max. +40°C
- Liquid temperature range: +0°C ~ +90°C
- Operating pressure: Max. 10 kg/cm²
- Submerged depth: Min. 40 mm

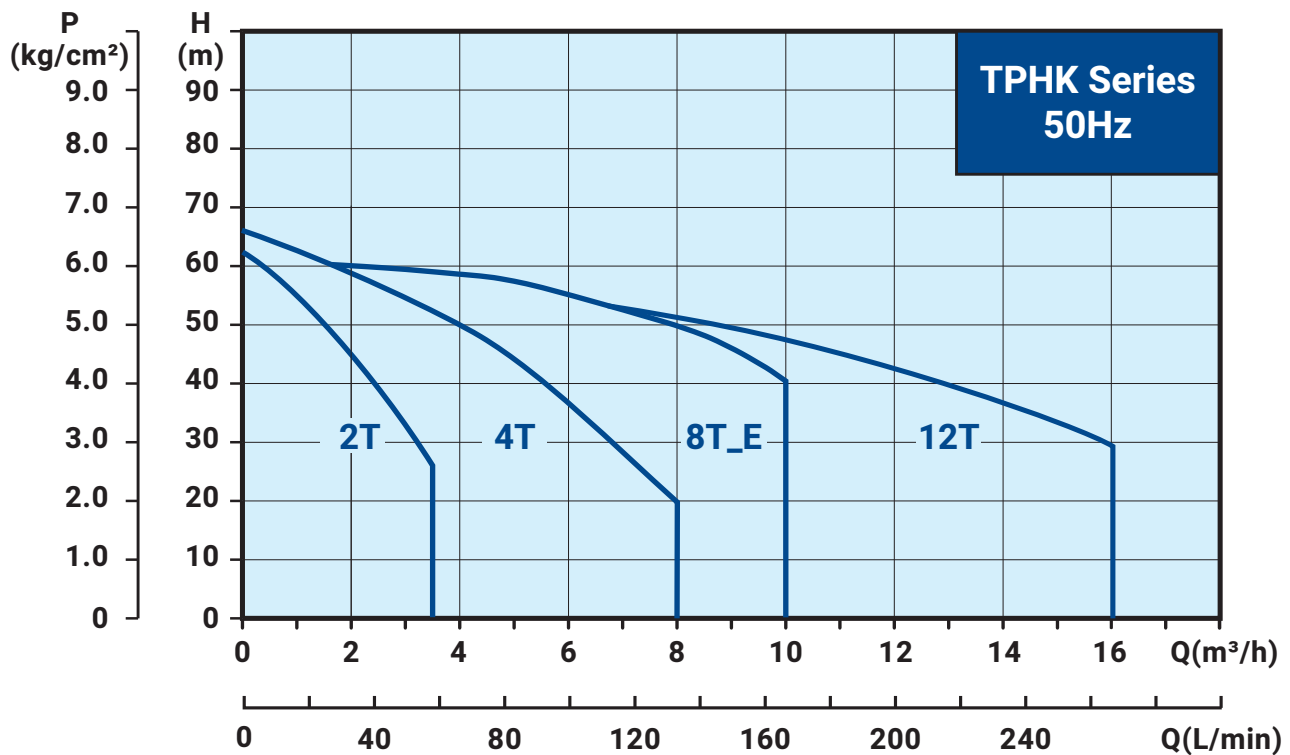
Motor

- Enclosure protection class: IP54
- Insulation class: F
- Frequency range: 50/60 Hz
- Nominal speed: 2900/3500 rpm
- Voltages code:

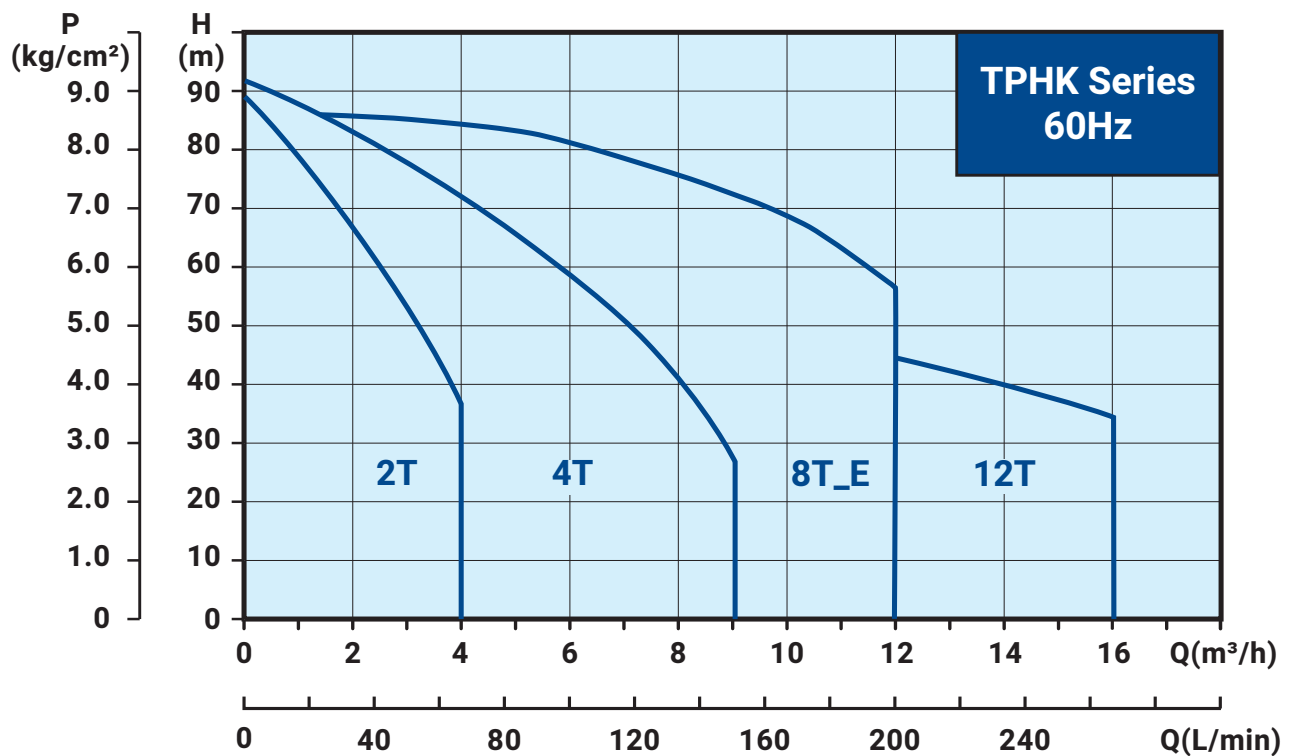
Code	PH	50Hz	60Hz
53Q	3	200-240/380-440V	-
A3Z*	3	200-255/380-440V	200-255/380-480V
A3U*	3	200-240/380-415V	200-240/380-440V

* The motor can be used in both 50/60Hz.

Performance Curve, 50Hz

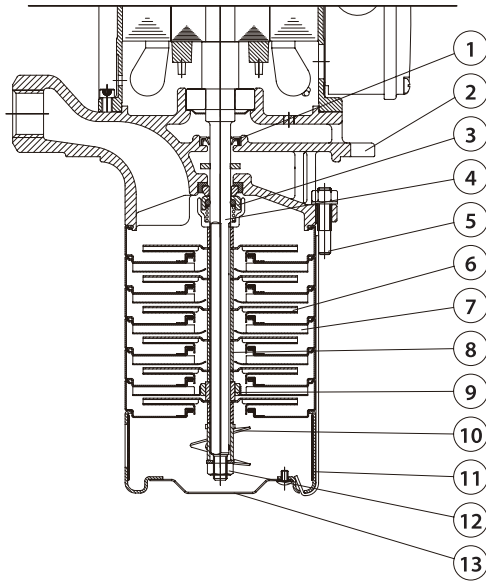


Performance Curve, 60Hz



Sectional Drawing

TPHK 2T/4T/8T_E

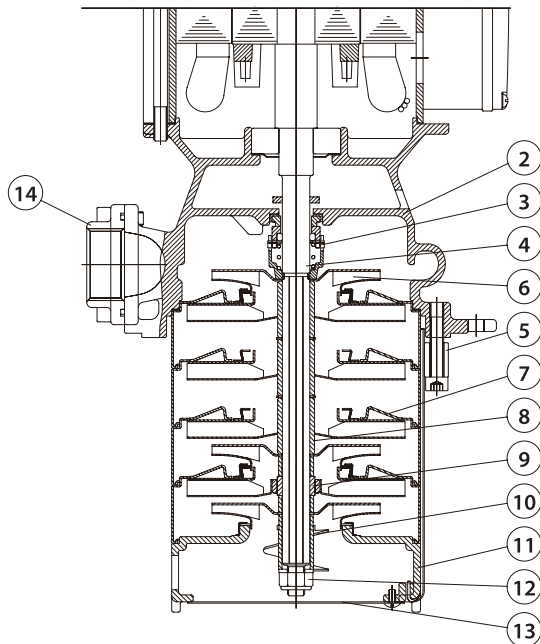


Materials

NO.	Part Name	Material	
		Standard	S series
1	Oil Seal	NBR	
2	Pump Casing	FC 25	SUS 304
3	Mechanical Seal 2T/4T/8T_E 12T	MSSH HSSH	MGSH HGSH
4	Shaft	SUS 304	
5	Strap	SUS 304	
6	Impeller	SUS 304	
7	Intermediate chamber	SUS 304	
8	Sleeve	SUS 304	
9	Bearing	SiC	
10	Priming screw	SUS 304	
11	Suction intercon-necter	SUS 304	
12	Lock Nut	SUS 316	
13	Filter	SUS 304	
14	Flange	SUS 304	

SUS 304 may be replaced by SUS 316, depending on stock availability.

TPHK 12T



Options on Request

■ Special mechanical seal

(TPHK 2/4T/8T_E)

Mechanical seal type	Material	
	Stationary Face/ Rotary Face	Cup Gasket & O Ring
MGSH MGSV MGSE	(G)Carbon/ (S)Silicium carbide	(H) HNBR (V) Viton (E) EPDM
MSSH MSSV MSSE	(S)Silicium carbide/ (S)Silicium carbide	

(TPHK 12T)

Mechanical seal type	Material	
	Stationary Face/ Rotary Face	Cup Gasket & O Ring
HGSH HGSV HGSE	(G)Carbon/ (S)Silicium carbide	(H) HNBR (V) Viton (E) EPDM
HSSH HSSV HSSE	(S)Silicium carbide/ (S)Silicium carbide	

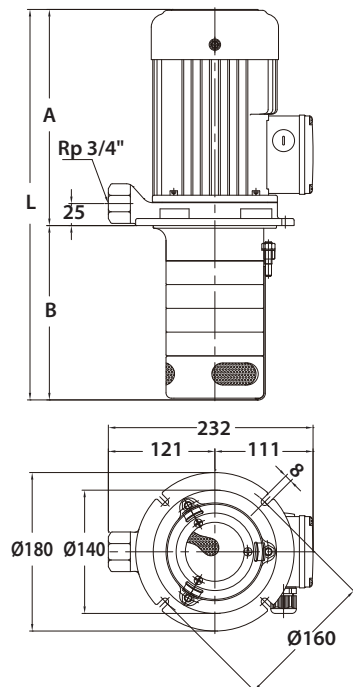
Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPHK 2T3-1	3	A3V	50	200-240/342-415	0.37	1.8-2.0/1.1-1.2	1.1	2.0-2.1/1.1-1.2
			60	200-255/342-480		1.8-1.7/1.0-1.0	1.5	2.3-2.1/1.3-1.2
TPHK 2T3-2	3	A3V	50	200-240/342-415	0.37	1.8-2.0/1.1-1.2	1.1	2.0-2.1/1.1-1.2
			60	200-255/342-480		1.8-1.7/1.0-1.0	1.5	2.3-2.1/1.3-1.2
TPHK 2T3-3	3	A3V	50	200-240/342-415	0.37	1.8-2.0/1.1-1.2	1.1	2.0-2.1/1.1-1.2
			60	200-255/342-480		1.8-1.7/1.0-1.0	1.5	2.3-2.1/1.3-1.2

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPHK 2T4-4	3	A3Z	50	200-255/380-440	0.62	0.42	2.2-2.9/1.4-1.7
			60	200-255/380-480	0.91	0.62	3.0-2.9/1.7-1.7
TPHK 2T5-5	3	A3Z	50	200-255/380-440	0.70	0.48	2.4-3.0/1.4-1.6
			60	200-255/380-480	1.06	0.72	3.3-3.0/1.8-1.8
TPHK 2T6-6	3	A3Z	50	200-255/380-440	0.85	0.58	3.1-3.6/1.8-2.1
			60	200-255/380-480	1.29	0.88	4.0-3.6/2.4-2.4
TPHK 2T7-7	3	A3U	50	200-240/380-415	1.32	0.90	4.6-6.7/2.9-3.7
			60	200-240/380-440	1.80	1.23	5.6-5.4/3.2-3.2

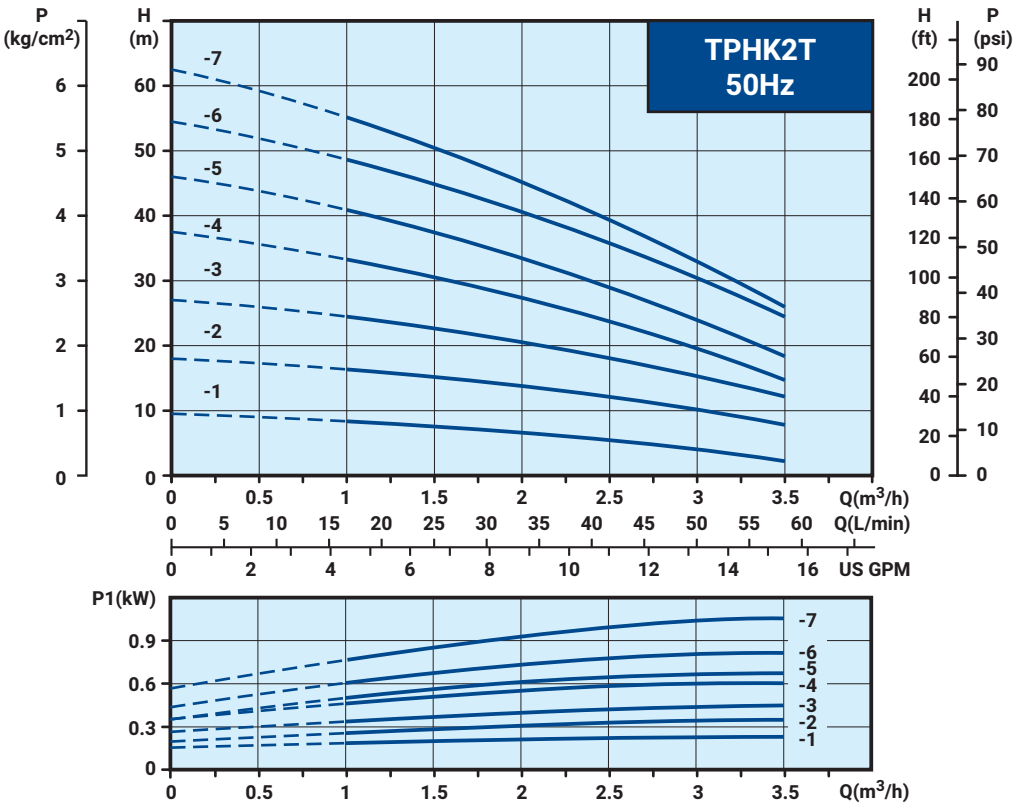
Maximum 11 Stages

Dimensions

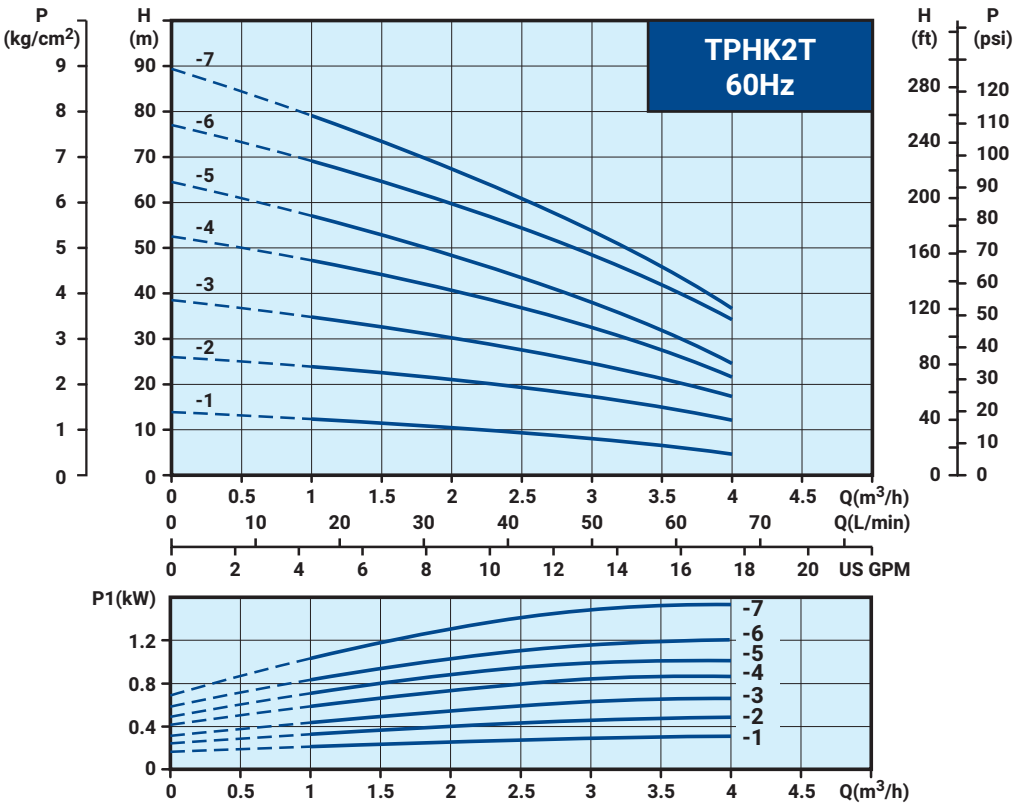


Model	A mm	B mm	L mm	N.W. kg	
TPHK 2T3-1	185.5	144	329.5	9.9	36
TPHK 2T8-1	185.5	234	419.5	10.9	30
TPHK 2T3-2	185.5	144	329.5	10.1	36
TPHK 2T5-2	185.5	180	365.5	10.5	30
TPHK 2T9-2	185.5	252	437.5	11.3	24
TPHK 2T3-3	185.5	144	329.5	10.2	36
TPHK 2T4-3	185.5	162	347.5	10.4	30
TPHK 2T5-3	185.5	180	365.5	10.6	30
TPHK 2T6-3	185.5	198	383.5	10.8	30
TPHK 2T8-3	185.5	234	419.5	11.2	24
TPHK 2T11-3	185.5	288	473.5	11.6	24
TPHK 2T4-4	205.5	162	367.5	11.5	24
TPHK 2T6-4	205.5	198	403.5	11.9	30
TPHK 2T5-5	253.5	180	425.5	12.7	30
TPHK 2T6-5	253.5	198	433.5	13.3	30
TPHK 2T6-6	253.5	198	451.5	13.5	24
TPHK 2T8-6	253.5	234	487.5	13.9	24
TPHK 2T9-6	253.5	252	505.5	14.1	24
TPHK 2T10-6	253.5	270	523.5	14.2	24
TPHK 2T11-6	253.5	288	541.5	14.4	24
TPHK 2T7-7	253.5	216	469.5	13.0	24

Performance Curve, 50Hz



Performance Curve, 60Hz



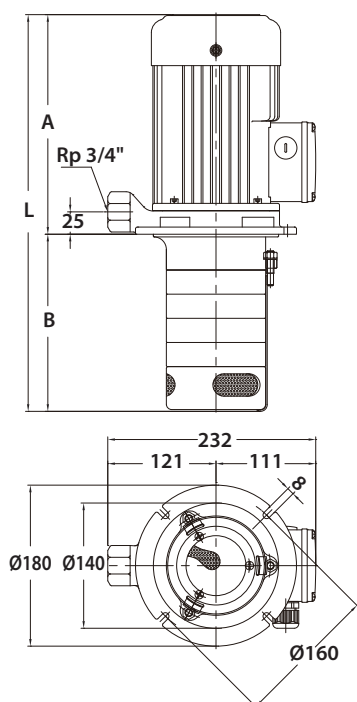
Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPHK 4T2-1	3	A3V	50 60	200-240/342-415 200-255/342-480	0.37	1.8-2.0/1.1-1.2 1.8-1.7/1.0-1.0	1.1 1.5	2.0-2.1/1.1-1.2 2.3-2.1/1.3-1.2

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPHK 4T2-2	3	A3Z	50 60	200-255/380-440 200-255/380-480	0.65 0.96	0.44 0.65	2.2-2.9/1.4-1.7 3.0-2.7/1.7-1.7
TPHK 4T3-3	3	A3Z	50 60	200-255/380-440 200-255/380-480	0.85 1.29	0.58 0.88	3.1-3.6/1.8-2.1 4.0-3.6/2.4-2.4
TPHK 4T4-4	3	A3U	50 60	200-240/380-415 200-240/380-440	1.08 1.62	0.74 1.10	3.4-3.5/2.0-2.0 4.0-5.0/2.9-2.9
TPHK 4T5-5	3	A3U	50 60	200-240/380-415 200-240/380-440	1.44 2.10	0.98 1.43	4.9-6.8/3.0-3.8 6.2-6.0/3.5-3.5
TPHK 4T6-6	3	A3U	50 60	200-240/380-415 200-240/380-440	1.74 2.40	1.19 1.64	6.3-9.9/4.2-5.5 7.7-7.6/4.5-4.5
TPHK 4T7-7	3	A3U	50 60	200-240/380-415 200-240/380-440	2.14 2.80	1.46 1.91	6.9-10.3/4.5-5.8 8.7-8.4/4.9-4.9

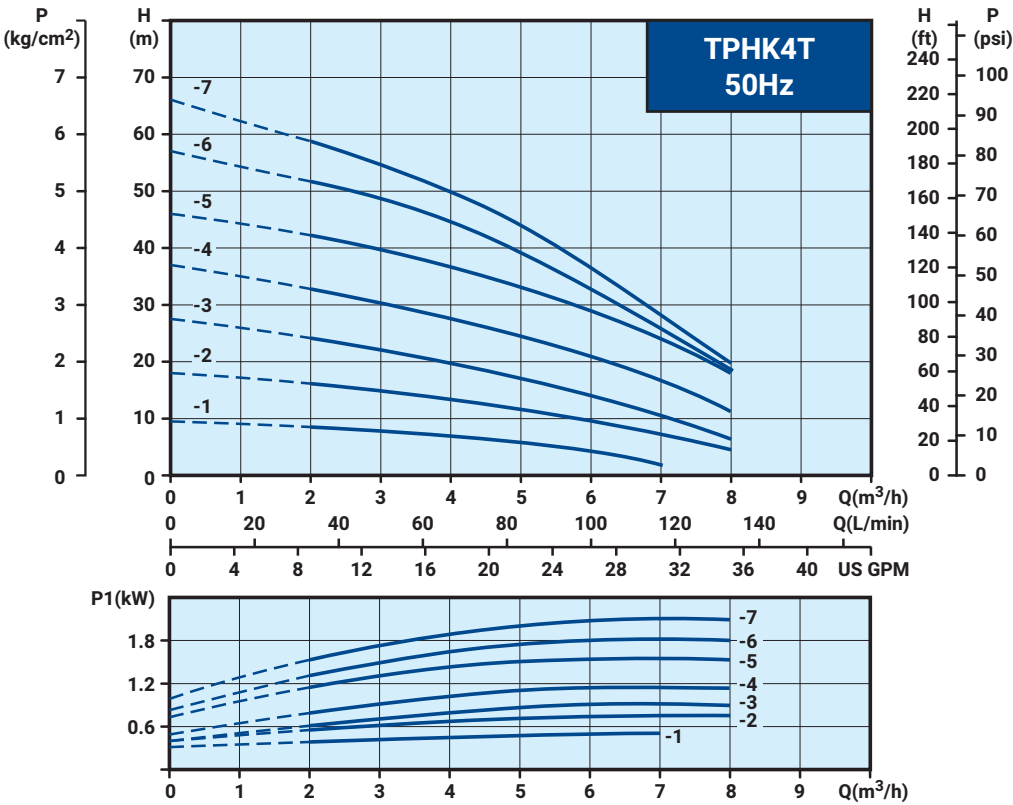
Maximum 8 Stages

Dimensions

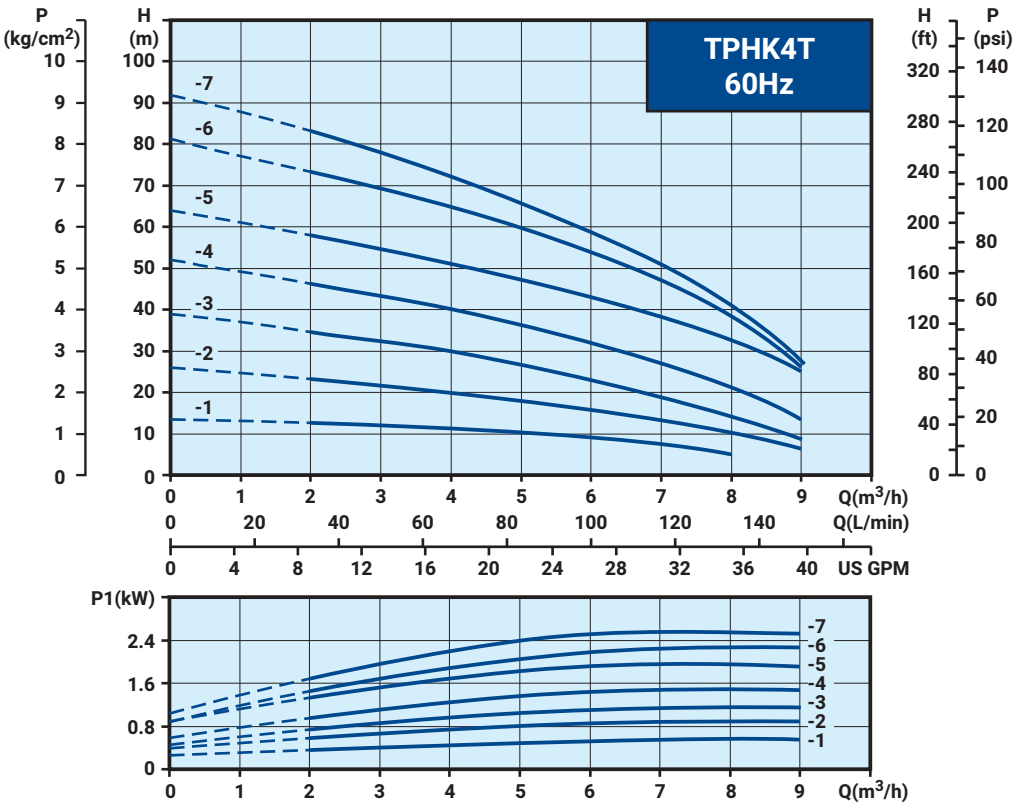


Model	A mm	B mm	L mm	N.W. kg	
TPHK 4T2-1	185.5	144	329.5	9.8	36
TPHK 4T3-1	185.5	171	356.5	10.0	30
TPHK 4T2-2	205.5	144	349.5	11.0	36
TPHK 4T3-2	205.5	171	376.5	11.2	30
TPHK 4T4-2	205.5	198	403.5	11.4	24
TPHK 4T6-2	205.5	252	457.5	11.6	24
TPHK 4T3-3	245.5	171	416.5	11.7	30
TPHK 4T4-3	245.5	198	443.5	11.9	24
TPHK 4T5-3	245.5	225	470.5	12.1	24
TPHK 4T6-3	245.5	252	497.5	12.3	24
TPHK 4T8-3	245.5	306	551.5	12.7	24
TPHK 4T4-4	245.5	198	443.5	13.3	24
TPHK 4T5-4	245.5	225	470.5	13.5	24
TPHK 4T6-4	245.5	252	497.5	13.7	24
TPHK 4T5-5	253.5	225	478.5	13.9	24
TPHK 4T8-5	253.5	306	559.5	14.5	24
TPHK 4T6-6 (50Hz)	253.5	252	505.5	13.1	24
TPHK 4T6-6 (60Hz)	284	252	536	14.1	24
TPHK 4T8-6 (50Hz)	253.5	306	559.5	13.6	15
TPHK 4T8-6 (60Hz)	284	306	590	14.6	15
TPHK 4T7-7	284	279	563	14.6	24
TPHK 4T8-7	284	306	590	14.8	15

Performance Curve, 50Hz



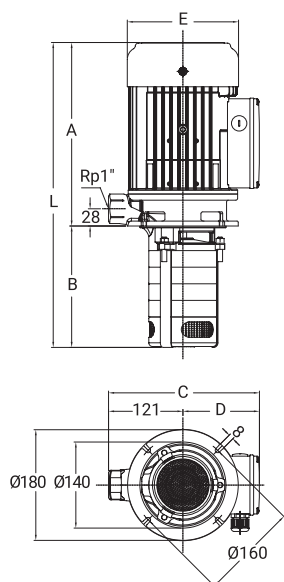
Performance Curve, 60Hz



Electrical Data, 50/60Hz

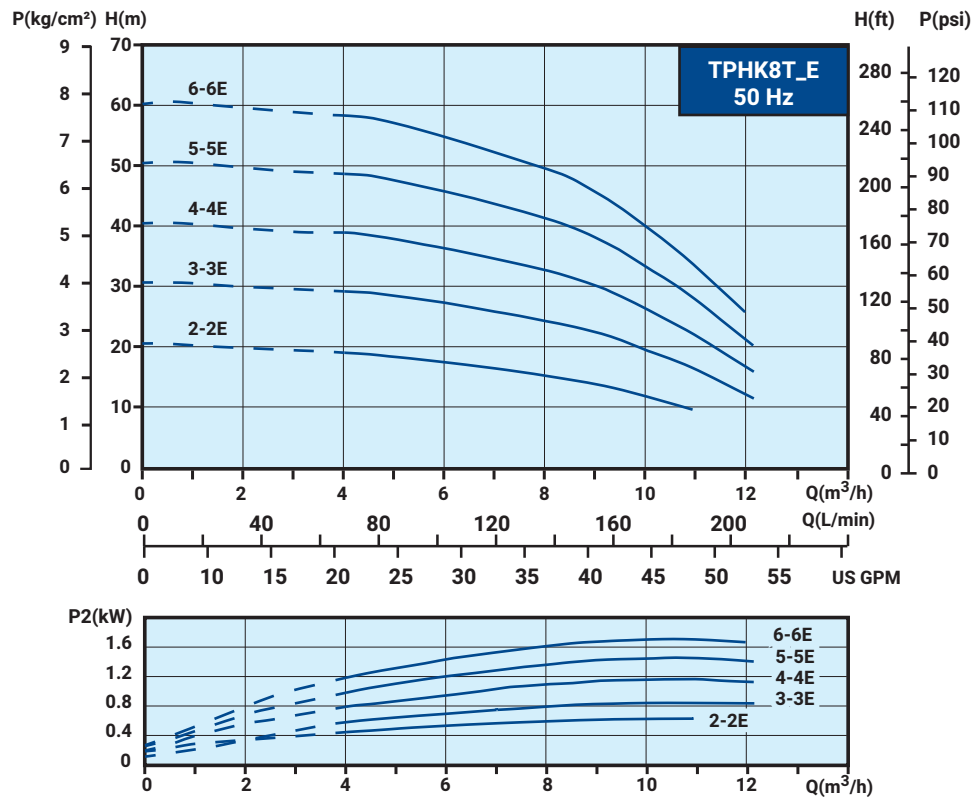
Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPHK 8T2-2(S)E	3	A6V	50 60	200-230/342-415 220-240/380-480	1.1 1.1	5.2-5.4/3.1-3.4 4.6-4.6/2.8-3.1	1.1 1.4	5.5-5.7/3.3-3.5 6.2-5.7/3.6-3.5
TPHK 8T3-3(S)E	3	A9V	50 60	200-230/342-380 220-240/380-440	2.2 2.2	9.5-10.5/5.5-5.6 8.6-8.4/4.9-5.0	1.1 1.5	10.2-10.9/5.9-5.9 12.1-11.2/6.9-6.4
TPHK 8T4-4(S)E	3	A9V	50 60	200-230/342-380 220-240/380-440	2.2 2.2	9.5-10.5/5.5-5.6 8.6-8.4/4.9-5.0	1.1 1.5	10.2-10.9/5.9-5.9 12.1-11.2/6.9-6.4
TPHK 8T5-5(S)E	3	A9V	50 60	200-230/342-380 220-240/380-440	3.0 3.0	12.2-13.1/7.1-7.1 11.2-10.7/6.4-6.3	1.1 1.3	13.4-14.0/7.9-7.8 14.5-13.3/8.3-7.6
TPHK 8T6-6(S)E	3	A9V	50 60	200-230/342-380 220-240/380-440	3.4 3.7	13.4-13.0/7.8-7.4 13.4-12.6/7.7-7.0	1.1 1.3	14.6-13.9/8.5-8.0 16.4-15.1/9.4-8.4

Dimensions

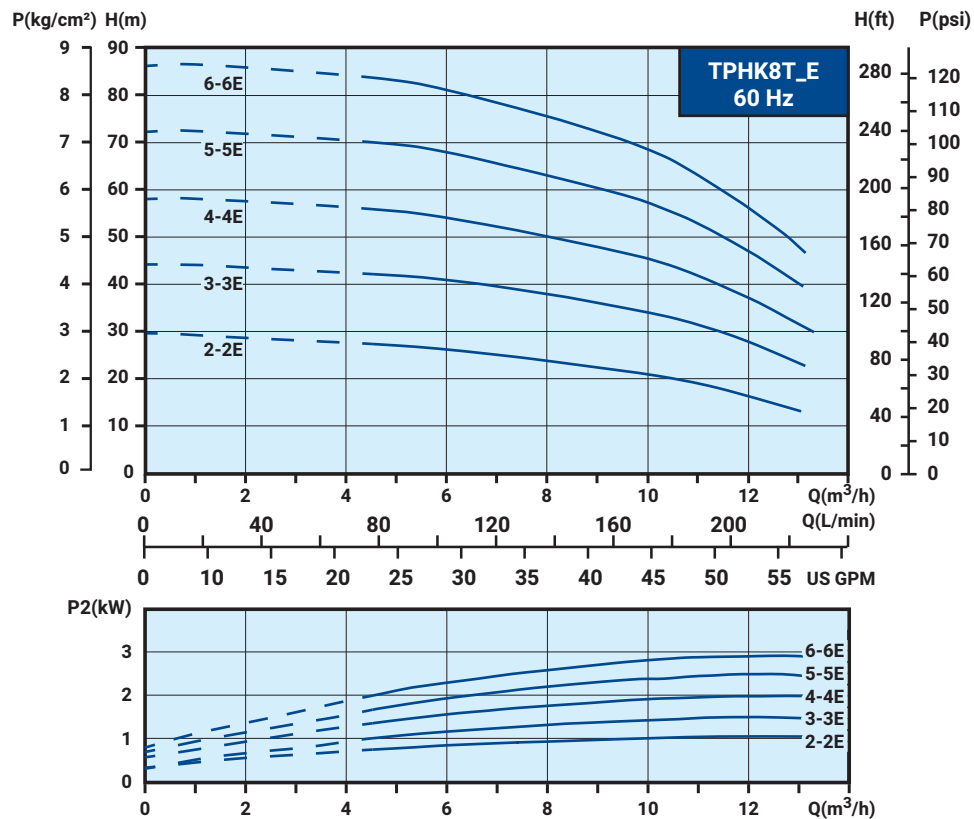


Model	Cycle Hz	L mm	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPHK 8T2-2(S)E	50/60	455	284	171	232	111	145	17	24
TPHK 8T3-3(S)E	50/60	519	321	198	244	123	181	24	24
TPHK 8T4-4(S)E	50/60	546	321	225	244	123	181	25	24
TPHK 8T5-5(S)E	50/60	598	346	252	244	123	181	28	15
TPHK 8T6-6(S)E	50/60	645	366	279	244	123	181	31	15

Performance Curve, 50Hz



Performance Curve, 60Hz

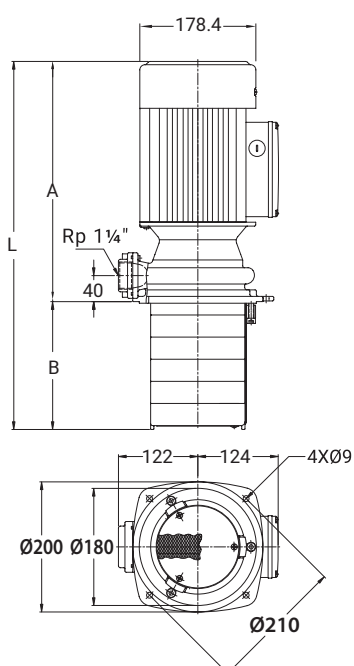


Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPHK 12T6-1	3	A3Z	50	200-255/380-440	1.40	0.95	4.5-6.3/2.7-3.4
			60	200-255/380-480	2.00	1.36	6.6-5.8/3.6-2.9
TPHK 12T6-2	3	A3U	50	200-240/380-415	3.12	2.13	9.6-13.9/6.4-8.4
			60	200-240/380-440	4.15	2.83	12.8-12.4/7.1-7.4
TPHK 12T6-3	3	53Q	50	200-240/380-440	3.83	2.61	11.6-11.5/6.5-7.2

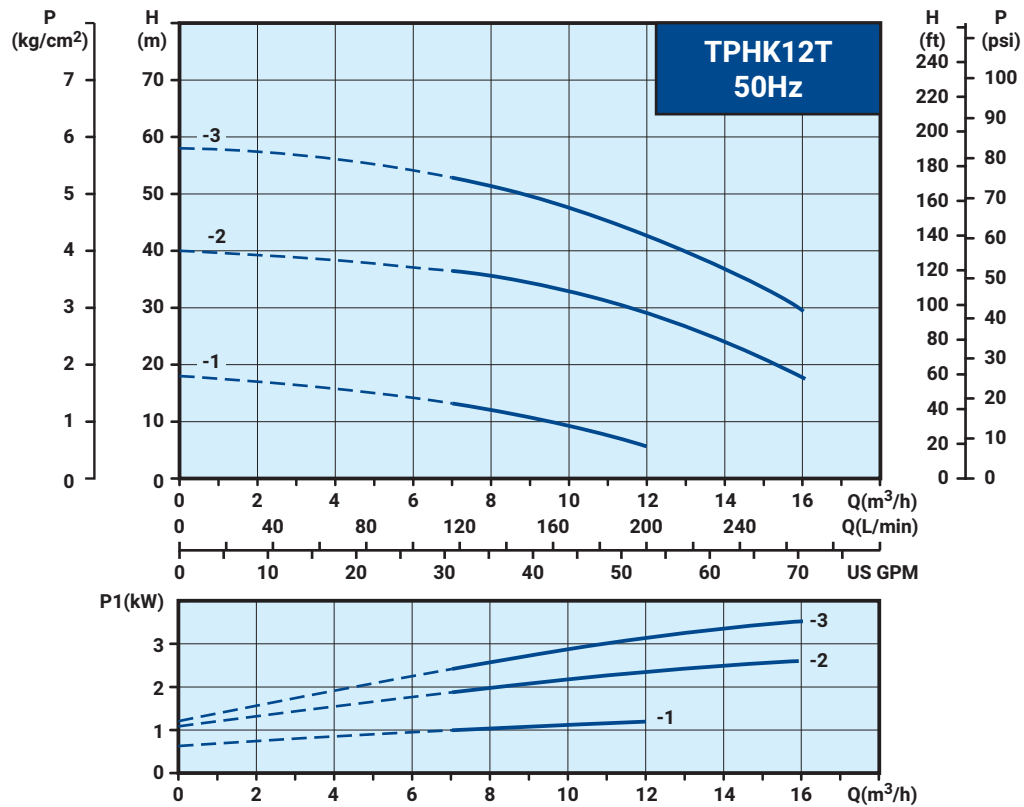
Maximum 9 Stages

Dimensions

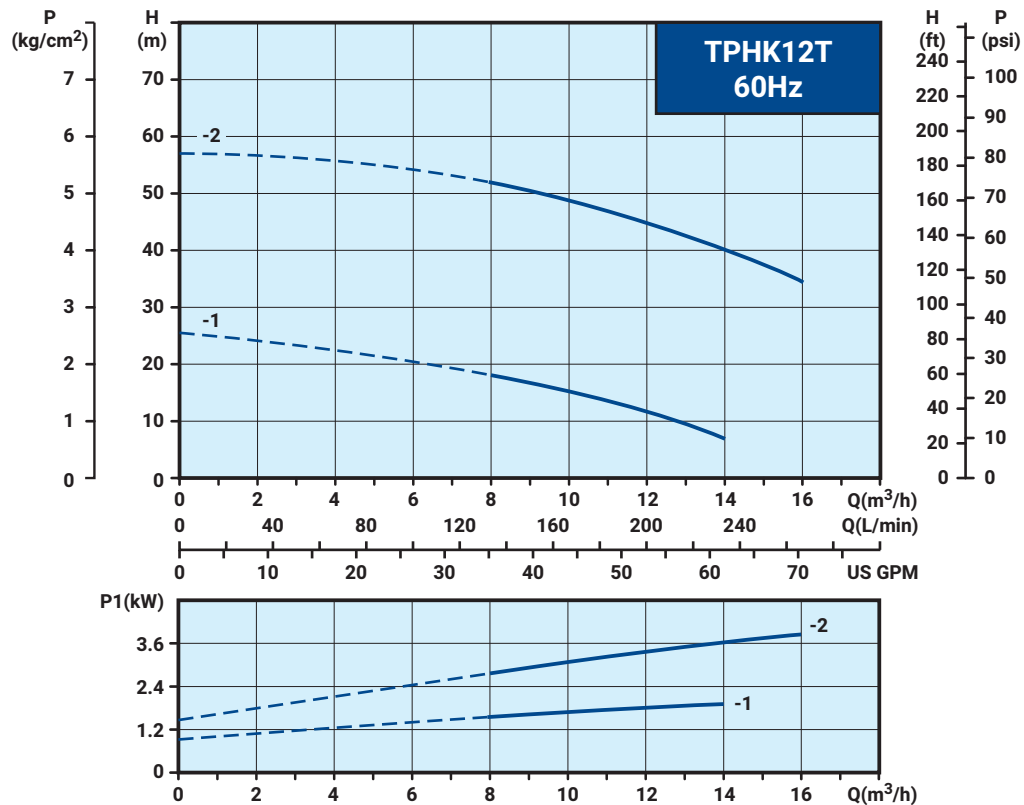


Model	A mm	B mm	L mm	N.W. kg	
TPHK 12T6-1	369	196.5	565.5	27.0	15
TPHK 12T6-2	369	196.5	565.5	29.0	15
TPHK 12T9-2	369	298.5	667.5	30.5	15
TPHK 12T6-3	369	196.5	565.5	30.0	15
TPHK 12T9-3	369	298.5	667.5	31.5	15

Performance Curve, 50Hz



Performance Curve, 60Hz



Memo

TPMK Series Immersible Pump

50 Hz

Power: 1.1 - 3.0 kW

Head: Up to 130 M

Flow: Up to 150 L/min

Outlet: ¾" - 1"

60 Hz

Power: 1.1 - 3.7 kW

Head: Up to 140 M

Flow: Up to 160 L/min

Outlet: ¾" - 1"



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

- Submersible vertical centrifugal pump, self-priming, co-axial pump-motor design, impellers mounted on extended motor shaft. Main working parts made by stainless steel.

Applications

The TPMK is vertical multistage centrifugal pump, designed for industrial use, specially for machine tool. It is suitable to carry fluids such as water, coolant, light oil and other clean, non aggressive matters:

- Industrial circulation system
- Washing/cleaning system
- Filtration system

Motor

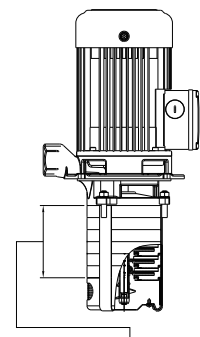
- Enclosure class: IP54
- Insulation class: F.
- Frequency range: 50/60 Hz
- Nominal speed: 2900/3500 rpm
- Voltages Code:

Code	PH	50Hz	60Hz
A6V	3	200-230/342-415V	220-240/380-480V
A9V	3	200-230/342-380V	220-240/380-440V

Operating Conditions

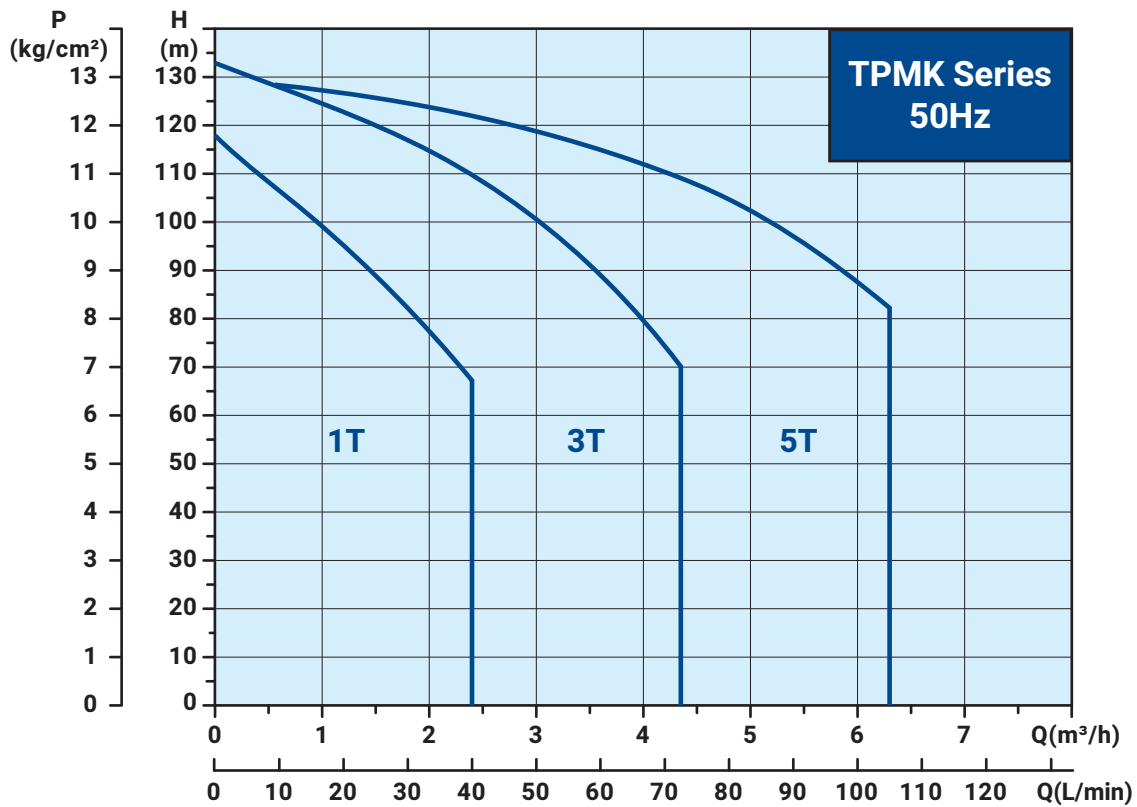
- Liquid temperature: +0°C ~ +90°C
- Ambient temperature: Max. +40°C
- Operating pressure: Max. 15 kg/cm²
- Submerged depth: Min. 40 mm

Model Code

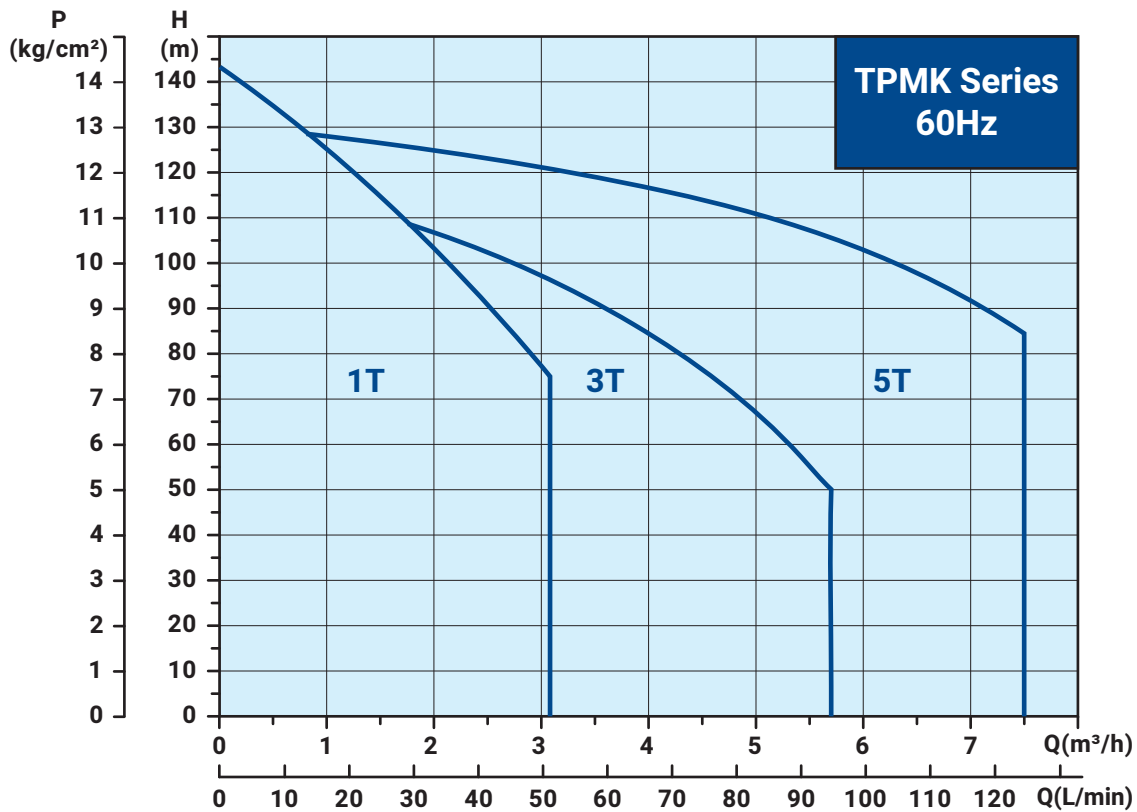


Model name	TPMK	5T	9	-	9	S	K
Standard capacity (m ³ /h)							
Number of Stages							
Number of Impellers							
Stainless steel series							
With coupling							

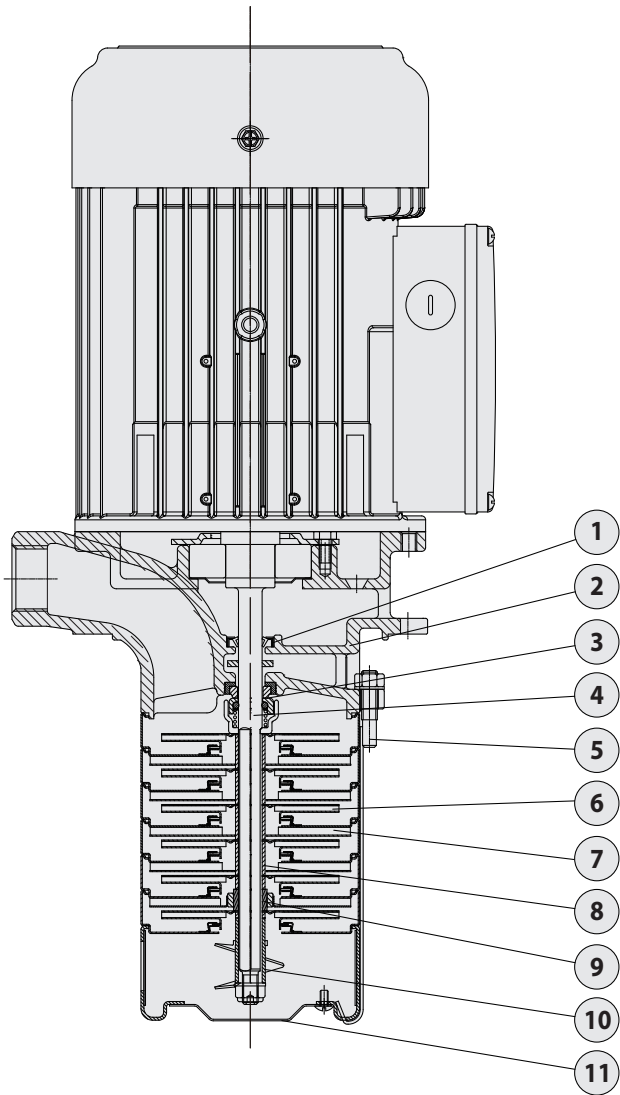
Performance Curve, 50Hz



Performance Curve, 60Hz



Sectional Drawing



Materials

NO.	Part Name	Material	
		Standard	S series
1	Oil seal	NBR	
2	Pump Casing	FC20	SUS 304
3	Mechanical Seal	MSSH / MGSH	
4	Shaft	SUS 304	
5	Strap	SUS 304	
6	Impeller	SUS 304	
7	Intermediate Chamber	SUS 304	
8	Sleeve	SUS 304	
9	Bearing	SiC	
10	Priming screw	SUS 304	
11	Filter	SUS 304	

Options on Request

Mechanical seal type	Material	
	Stationary Face/ Rotary Face	Cup Gasket & O Ring
MGSH	(G)Carbon/	(H) HNBR (V) Viton (E) EPDM
MGSV	(S)Silicium carbide	
MGSE	(S)Silicium carbide	
MSSH	(S)Silicium carbide/	(H) HNBR (V) Viton (E) EPDM
MSSV	(S)Silicium carbide	
MSSE	(S)Silicium carbide	

Electrical Data, 50Hz

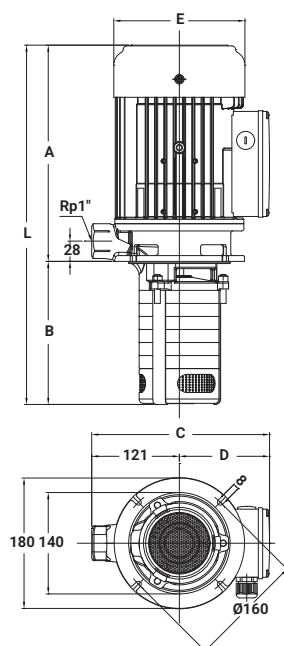
Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output Power kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPMK 1T10-10(S)	3	56V	50	200-230/342-415	1.1	5.2-5.4/3.1-3.4	1.1	5.5-5.7/3.3-3.5
TPMK 1T12-12(S)	3	56V	50	200-230/342-415	1.1	5.2-5.4/3.1-3.4	1.1	5.5-5.7/3.3-3.5
TPMK 1T14-14(S)	3	56V	50	200-230/342-415	1.1	5.2-5.4/3.1-3.4	1.1	5.5-5.7/3.3-3.5

Electrical Data, 50/60Hz

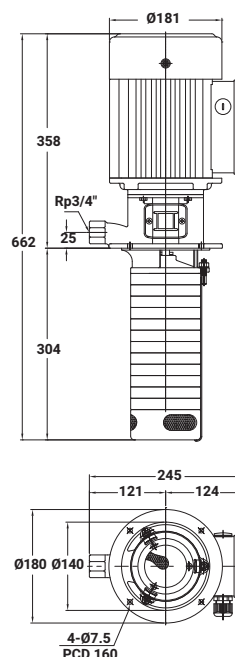
Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output Power kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPMK 1T10-10(S)	3	A9V	50 60	200-230/342-380 220-240/380-440	1.5	6.3-6.1/3.6-3.5 5.8-5.5/3.4-3.1	1.1 1.5	6.8-6.5/3.9-3.7 8.3-7.6/4.8-4.2
TPMK 1T12-12(S)	3	A9V	50 60	200-230/342-380 220-240/380-440	1.5	6.3-6.1/3.6-3.5 5.8-5.5/3.4-3.1	1.1 1.5	6.8-6.5/3.9-3.7 8.3-7.6/4.8-4.2
TPMK 1T12-12SK	3	A9V	50 60	200-230/342-380 220-240/380-440	1.5	6.3-6.1/3.6-3.5 5.8-5.5/3.4-3.1	1.1 1.5	6.8-6.5/3.9-3.7 8.3-7.6/4.8-4.2

Dimensions

Model	Cycle Hz	L mm	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPMK 1T10-10(S)	50	554	284	270	232	111	145	17.6	15
TPMK 1T12-12(S)	50	590	284	306	232	111	145	18.1	15
TPMK 1T14-14(S)	50	626	284	342	232	111	145	18.6	15
TPMK 1T10-10(S)	50/60	569	299	270	244	123	181	18.4	15
TPMK 1T12-12(S)	50/60	605	299	306	244	123	181	18.9	15

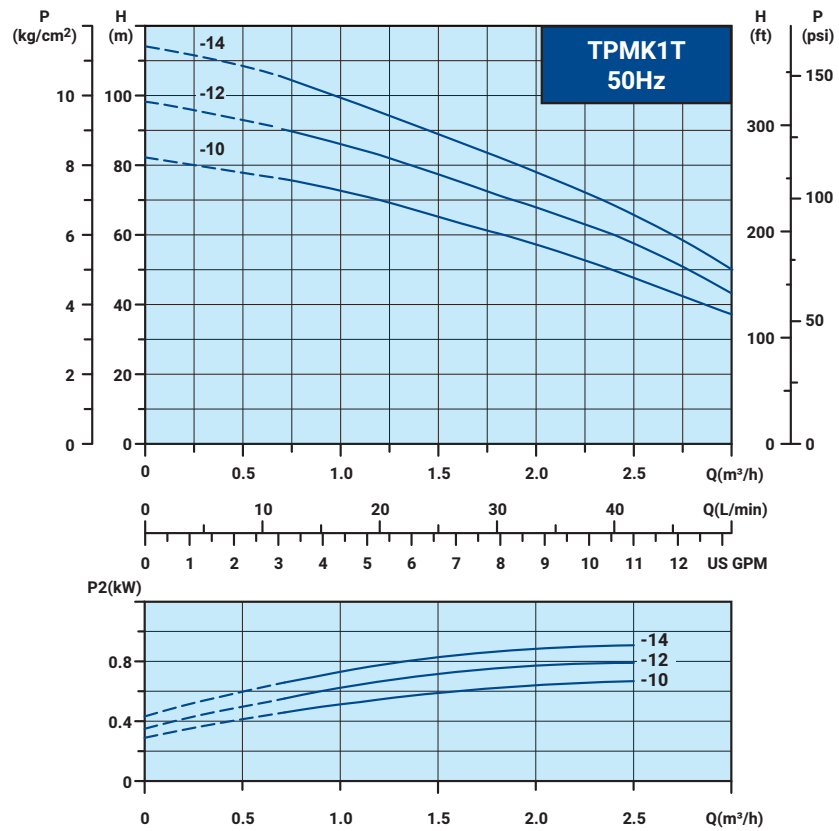


TPMK1T

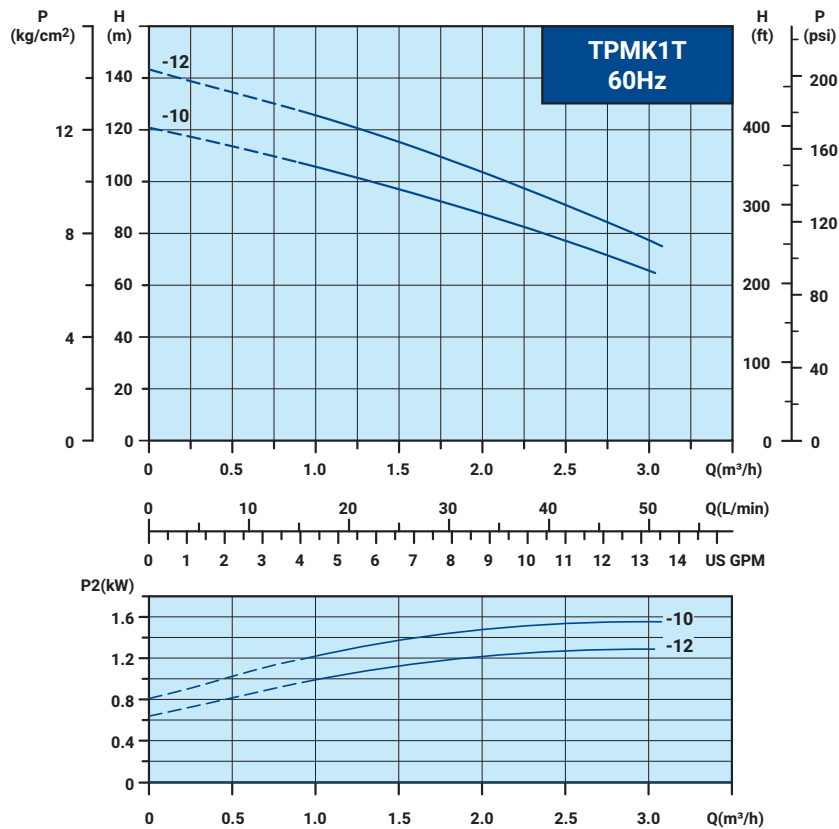


TPMK1T12-12SK

Performance Curve, 50Hz



Performance Curve, 60Hz



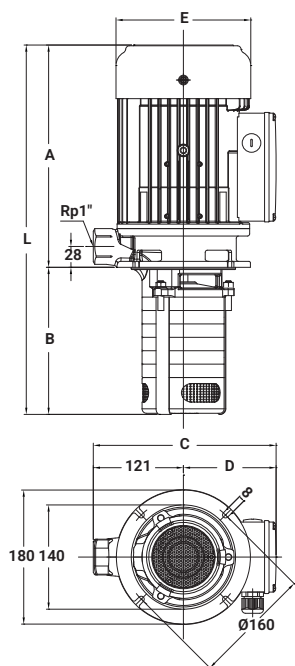
Electrical Data, 50Hz

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output Power kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPMK 3T9-9(S)	3	56V	50	200-230/342-415	1.1	5.2-5.4/3.1-3.4	1.1	5.5-5.7/3.3-3.5
TPMK 3T12-12(S)	3	59V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5	1.1	6.8-6.5/3.9-3.7
TPMK 3T14-14(S)	3	59V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6	1.1	10.2-10.9/5.9-5.9

Electrical Data, 50/60Hz

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output Power kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPMK 3T9-9(S)	3	A9V	50 60	200-230/342-380 220-240/380-440	2.2	9.5-10.5/5.5-5.6 8.6-8.4/4.9-5.0	1.1 1.5	10.2-10.9/5.9-5.9 12.1-11.2/6.9-6.4

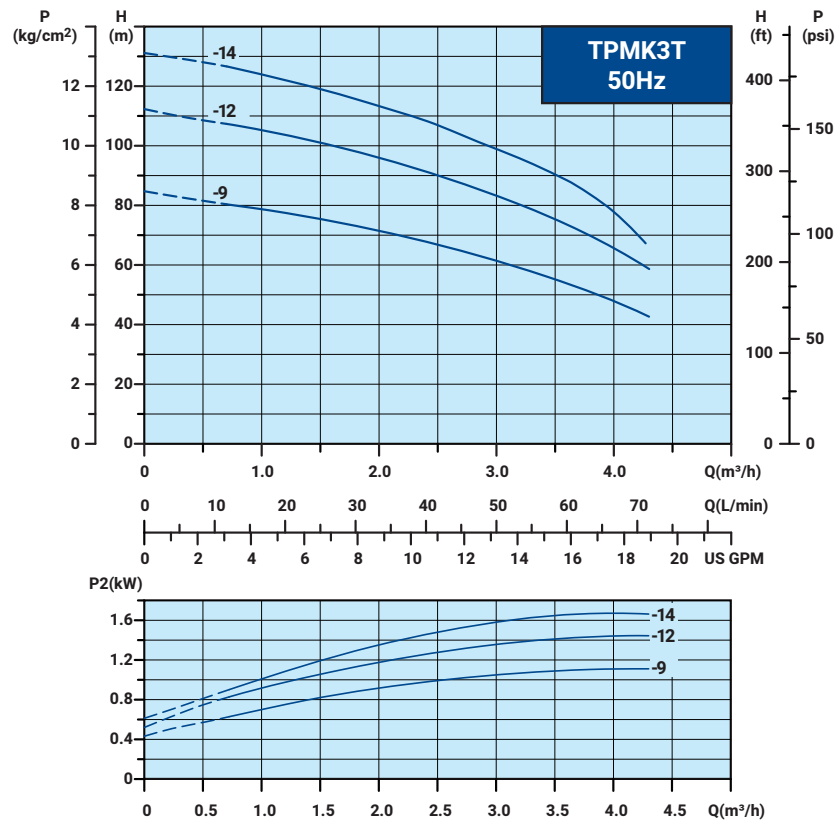
Dimensions



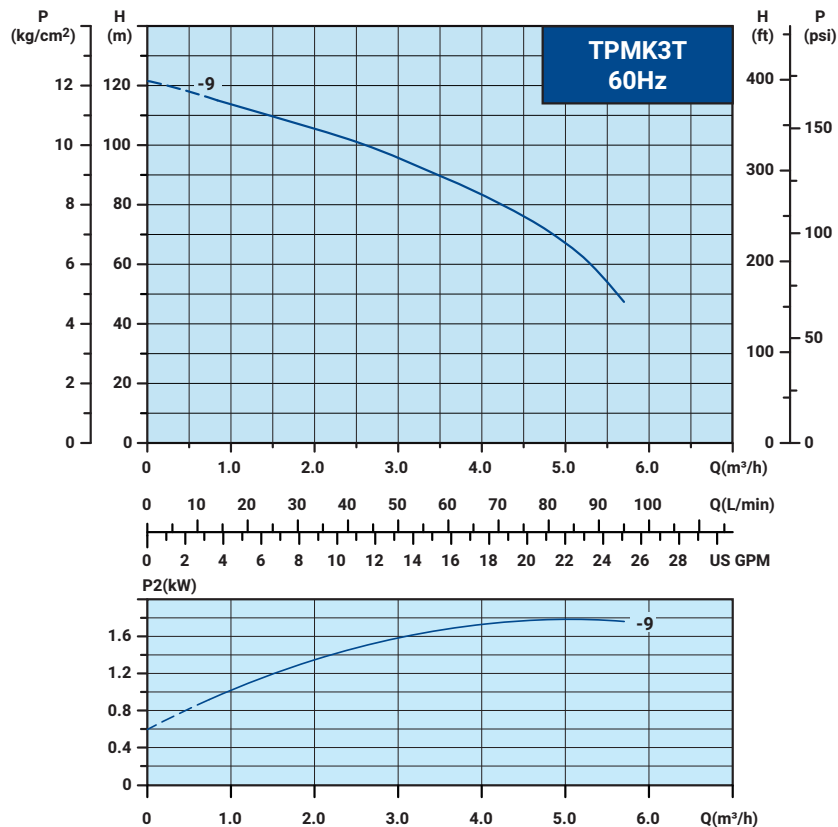
Model	Cycle Hz	L mm	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPMK 3T9-9(S)	50	536	284	252	232	111	145	17.3	15
TPMK 3T12-12(S)	50	605	299	306	244	123	181	18.8	15
TPMK 3T14-14(S)	50	663	321	342	244	123	181	22.1	15

Model	Cycle Hz	L mm	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPMK 3T9-9(S)	50 60	573	321	252	244	123	181	20.9	15

Performance Curve, 50Hz



Performance Curve, 60Hz



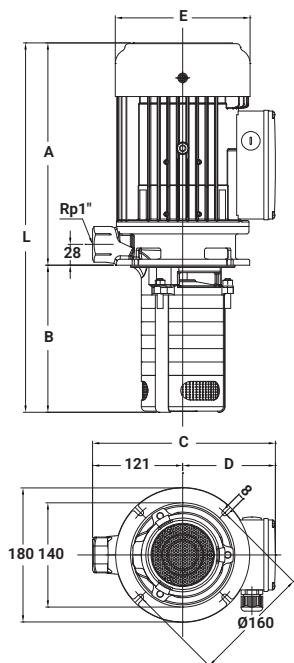
Electrical Data, 50Hz

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output Power kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPMK 5T7-7(S)	3	59V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5	1.1	6.8-6.5/3.9-3.7
TPMK 5T9-9(S)	3	59V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6	1.1	10.2-10.9/5.9-5.9
TPMK 5T11-11(S)	3	59V	50	200-230/342-380	3.0	12.2-13.1/7.1-7.7	1.1	13.4-14.0/7.9-7.8
TPMK 5T13-13(S)	3	59V	50	200-230/342-380	3.0	12.2-13.1/7.1-7.7	1.1	13.4-14.0/7.9-7.8

Electrical Data, 50/60Hz

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output Power kW	Ampere I _{1/1} (A)	Service Factor	Ampere I _{max} (A)
TPMK 5T7-7(S)	3	A9V	50 60	200-230/342-380 220-240/380-440	3.0	12.2-13.1/7.1-7.7 11.2-10.7/6.4-6.3	1.10 1.30	13.4-14.0/7.9-7.8 14.5-13.3/8.3-7.6
TPMK 5T9-9(S)	3	A9V	50 60	200-230/342-380 220-240/380-440	3.4 3.7	13.4-13.0/7.8-7.4 13.4-12.6/7.7-7.0	1.10 1.25	14.6-13.9/8.5-8.0 16.4-15.1/9.4-8.4

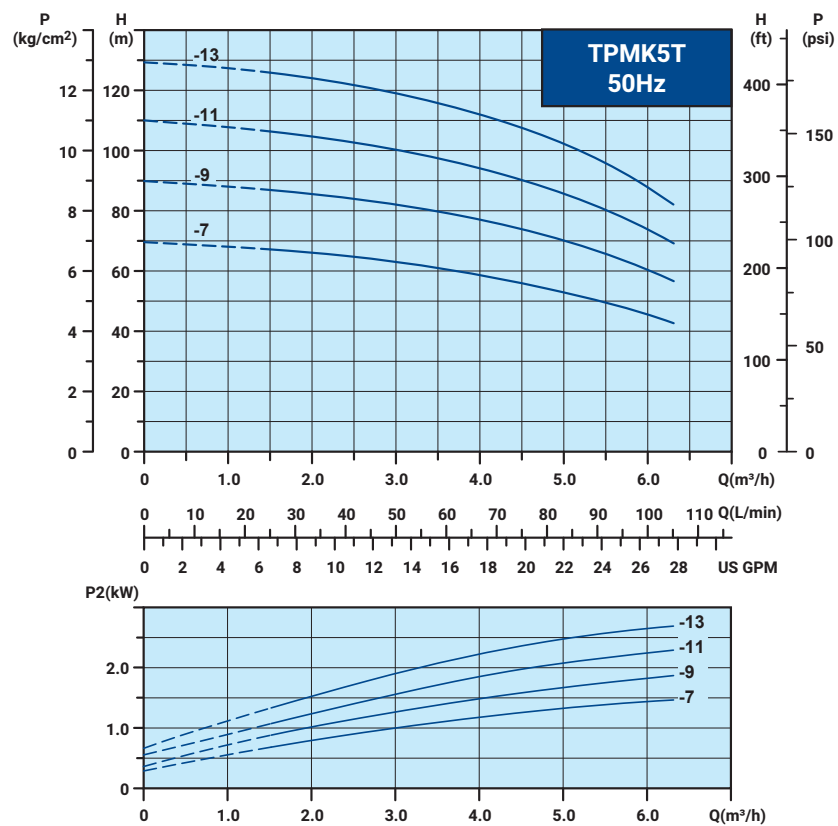
Dimensions



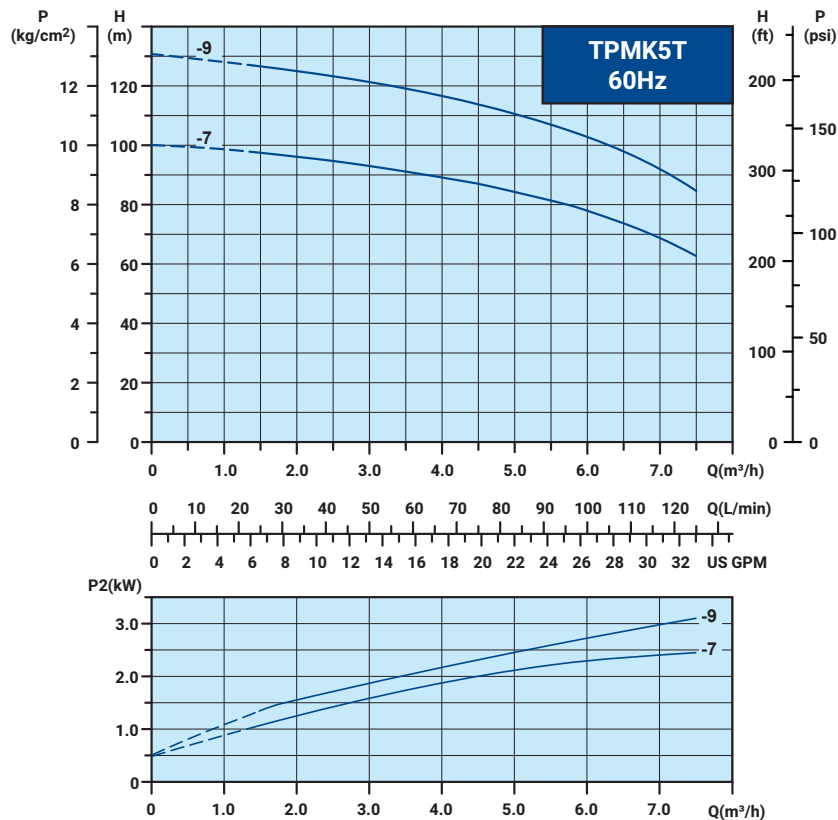
Model	Cycle Hz	L mm	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPMK 5T7-7(S)	50	515	299	216	244	123	181	17.6	15
TPMK 5T9-9(S)	50	573	321	252	244	123	181	20.9	15
TPMK 5T11-11(S)	50	634	346	288	244	123	181	24.6	15
TPMK 5T13-13(S)	50	670	346	324	244	123	181	25.1	15

Model	Cycle Hz	L mm	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPMK 5T7-7(S)	50 60	562	346	216	244	123	181	23.9	15
TPMK 5T9-9(S)	50 60	618	366	252	244	123	181	25.8	15

Performance Curve, 50Hz



Performance Curve, 60Hz



TPAK Series Coolant Pump

50 Hz

Power: ¼ - 1.5 HP

Head: Up to 12 M

Flow: Up to 360 L/min

Outlet: ½" - 1½"

60 Hz

Power: ¼ - 1.5 HP

Head: Up to 17 M

Flow: Up to 400 L/min

Outlet: ½" - 1½"



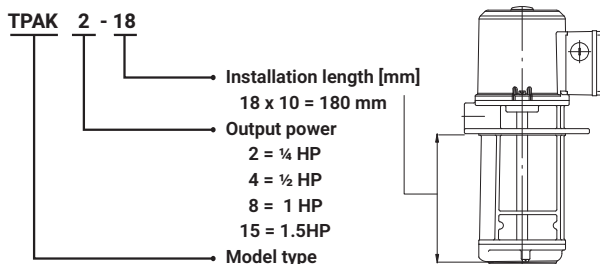
Product Features

- The pump is one-chamber vertical centrifugal pump, co-axial pump/motor design, impellers mounted on extended motor shaft.

Applications

- The TPAK Series coolant pump is design for the circulation and spraying of cooling lubricants, especially for machine tools.
- This series may use on all machine tools performing
- Turning, Milling, Drilling, Cutting, Slitting, Grinding etc. operation.
- It is suitable to carry liquids such as water, coolant, light oil and other clean, non aggressive matters.

Model Code



Operating Conditions

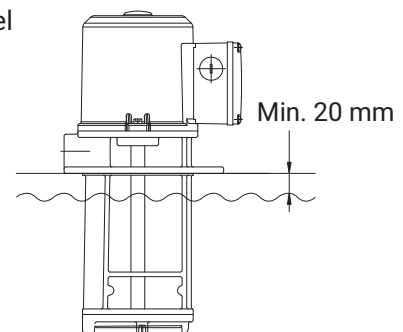
- Ambient temperature: Max. +40°C
- Liquid temperature range: +0°C ~ +90°C
- Operating pressure: Max. 10 kg/cm²

Motor

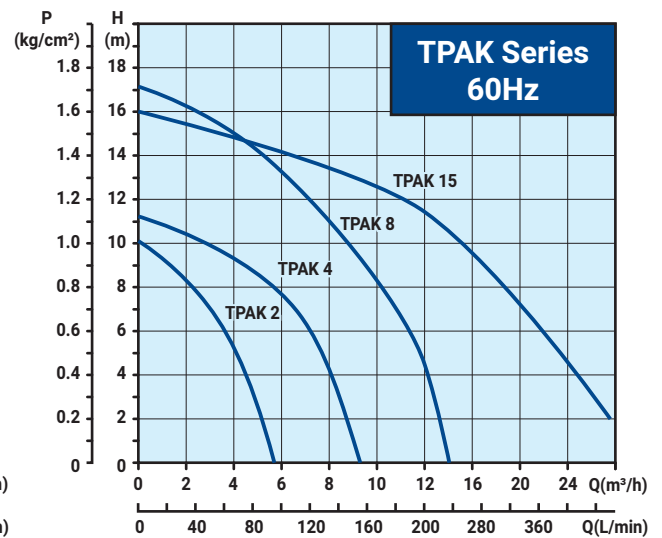
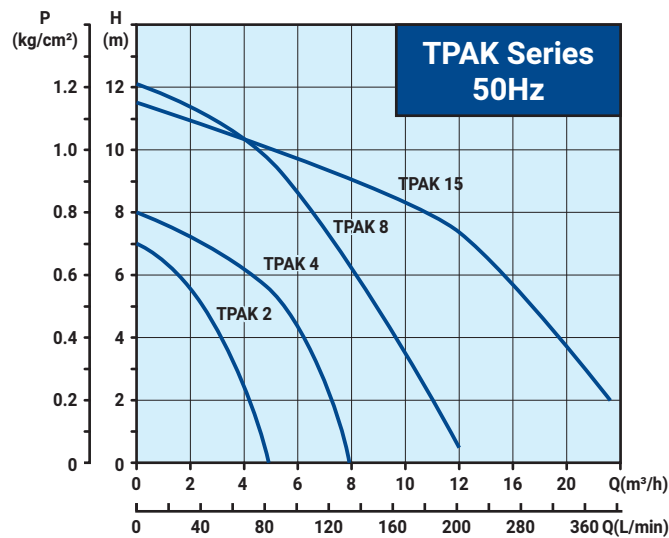
- Enclosure protection class: IP54
- Insulation class: F.
- Frequency range: 50/60 Hz
- Nominal speed: 2900/3500 rpm
- Standard voltages: 3Ø 50Hz: 200-255V/380-440V
3Ø 60Hz: 200-255V/380-480V

Installation

Maximum liquid level



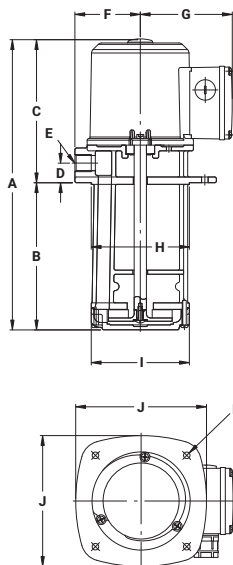
Performance Curve



Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPAK 2	3	A3Z	50	200-255 / 380-440	0.27	0.18	1.0-1.3 / 0.6-0.8
			60	200-255 / 380-480	0.35	0.24	1.2 / 0.7
TPAK 4	3	A3Z	50	200-255 / 380-440	0.44	0.30	1.7-2.5 / 1.0-1.5
			60	200-255 / 380-480	0.62	0.42	2.0 / 1.3
TPAK 8	3	A3Z	50	200-255 / 380-440	0.93	0.63	3.1-4.4 / 1.9-2.6
			60	200-255 / 380-480	1.32	0.90	4.0 / 2.4
TPAK 15	3	A3F	50	220 / 380	1.30	0.89	4.8 / 2.8
			60	220 / 380	2.00	1.36	5.4 / 3.1

Dimensions



Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	N.W. kg	
TPAK 2-15	325	150	175	24	Rp ½"	80	113	Ø120	Ø120	160	4xØ8 PCD158	9.5	36
TPAK 2-18	355	180	175	24	Rp ½"	80	113	Ø120	Ø120	160	4xØ8 PCD158	10.0	36
TPAK 2-25	425	250	175	24	Rp ½"	80	113	Ø120	Ø120	160	4xØ8 PCD158	10.6	30
TPAK 4-15	386	150	236	28	Rp ¾"	85	111	Ø135	Ø135	170	4xØ9 PCD170	11.2	30
TPAK 4-18	416	180	236	28	Rp ¾"	85	111	Ø135	Ø135	170	4xØ9 PCD170	11.9	30
TPAK 4-25	486	250	236	28	Rp ¾"	85	111	Ø135	Ø135	170	4xØ9 PCD170	12.7	24
TPAK 8-18	457	180	277	29	Rp 1"	95	111	Ø150	Ø150	190	4xØ9 PCD185	15.5	24
TPAK 8-25	527	250	277	29	Rp 1"	95	111	Ø150	Ø150	190	4xØ9 PCD185	17.1	24
TPAK 15-25	573.5	250	323.5	40	Rp 1½"	122	127	Ø180	Ø180	200	4xØ9 PCD210	24.0	15

Memo

TPK Series Immersible Pump

50 Hz

Power: 0.22 - 1.3 kW
Head: Up to 70 M
Flow: Up to 90 L/min
Outlet: 3/4"

60 Hz

Power: 0.28 - 1.58 kW
Head: Up to 100 M
Flow: Up to 100 L/min
Outlet: 3/4"



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

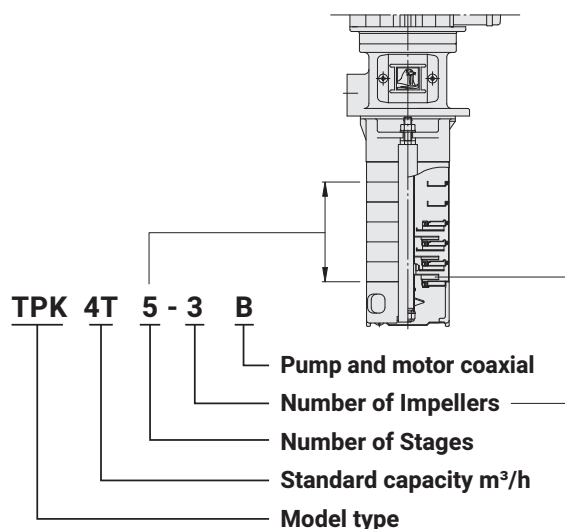
- Immersible vertical multistage centrifugal pump, self-priming, stub pump shaft per coupling connect with motor.
- Main working parts made by stainless steel.

Applications

The WALRUS TPK Series is vertical multistage centrifugal pump, designed for industrial use, specially for machine tools, to carry fluids such as water, coolant, light oil and other clean, non aggressive matters.

- Industrial circulation system
- Washing/cleaning system
- Filtration system

Model Code



Operating Conditions

- Ambient temperature: Max. +40°C
- Liquid temperature range: +0°C ~ +90°C
- Operating pressure: Max. 10 kg/cm²
- Submerged depth: Min. 40 mm

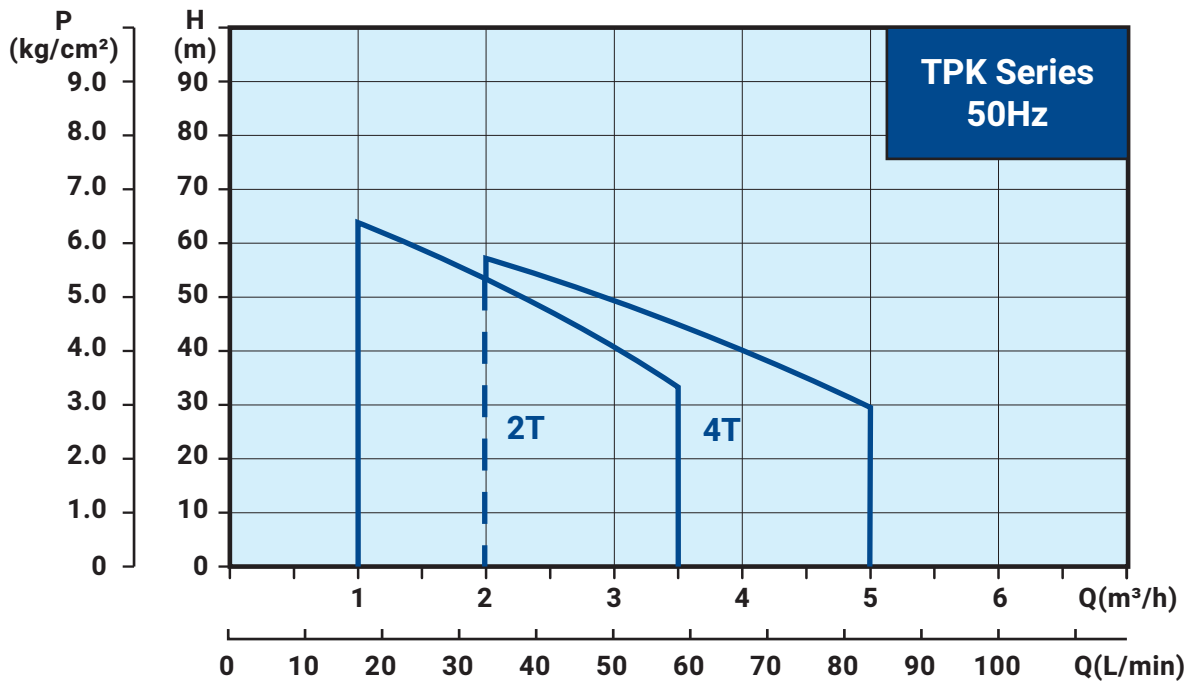
Motor

- Enclosure class: IP54
- Insulation class: F.
- Frequency range: 50/60 Hz
- Nominal speed: 2900/3500 rpm
- Voltages Code:

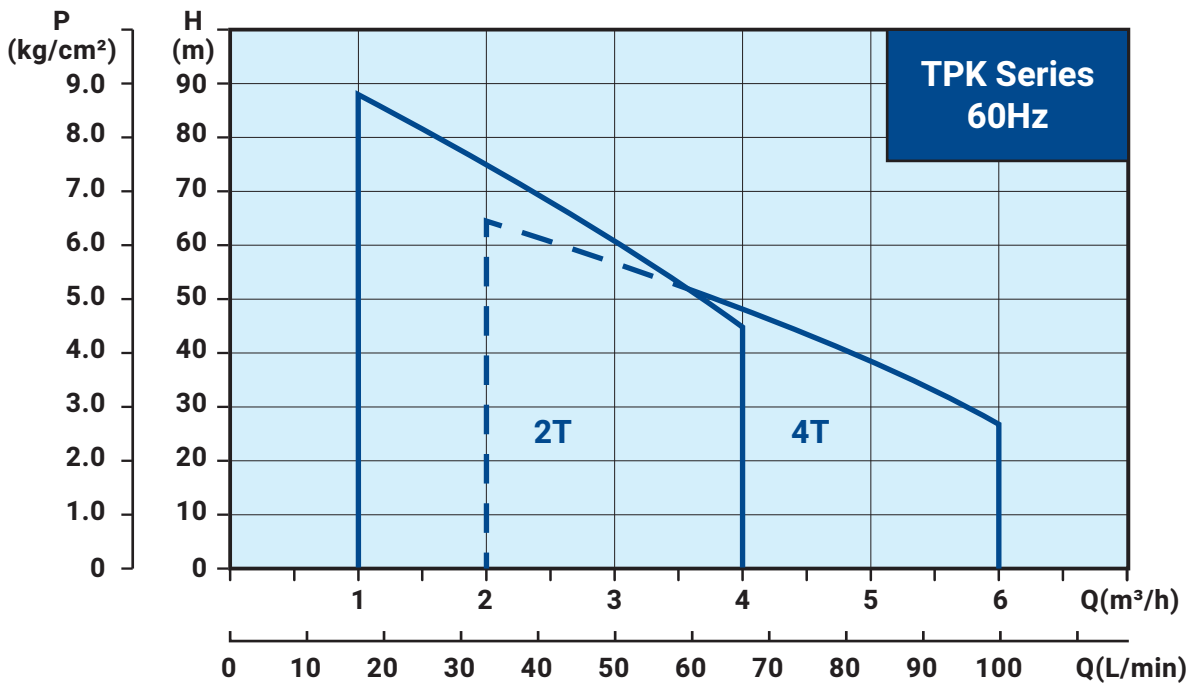
Code	PH	50Hz	60Hz
53Q	3	200-240/380-440V	-
A3Z*	3	200-255/380-440V	200-255/380-480V
A3U*	3	200-240/380-415V	200-240/380-440V

* The motor can be use in both 50/60Hz.

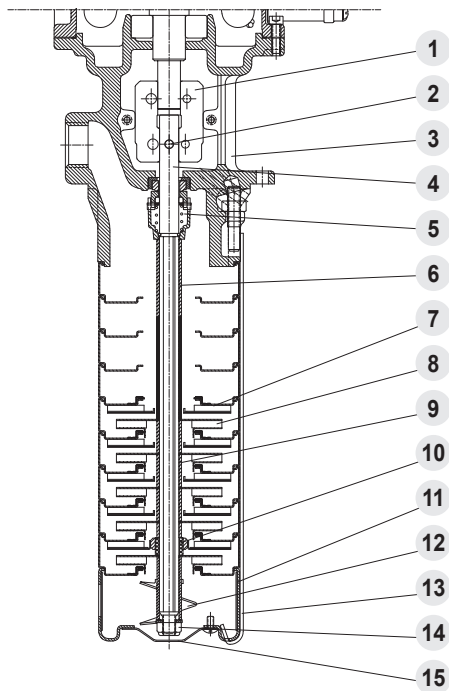
Performance Curve, 50Hz



Performance Curve, 60Hz



Sectional Drawing



Materials

NO.	Part Name	Material
1	Coupling	ADC 6
2	Shaft pin	SUS 304
3	Pump head	FCD 45
4	Shaft	SUS 304
5	Mechanical Seal	HSSH
6	Sleeve	SUS 304
7	Intermediate chamber	SUS 304
8	Impeller	SUS 304
9	Sleeve (impeller)	SUS 304
10	Bearing ring	SiC
11	Suction interconnector	SUS 304
12	Priming screw	SUS 304
13	Strap	SUS 304
14	Lock Nut	SUS 316
15	Filter	SUS 304

Options on Request

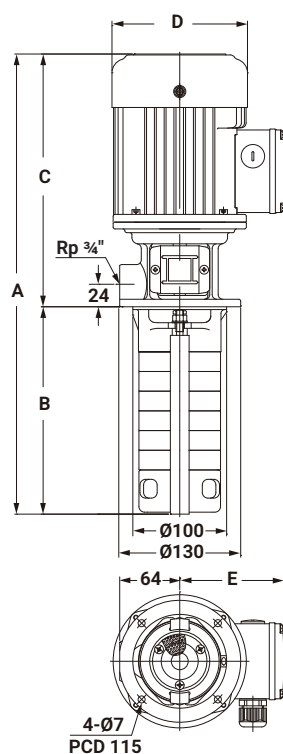
■ Special mechanical seal

Mechanical seal type	Material	
	Stationary Face/ Rotary Face	Cup Gasket & O Ring
HSSH	(S)Silicium carbide/ (S)Silicium carbide	(H) HNBR (V) Viton (E) EPDM
HSSV		
HSSE		
HGSH	(G)Carbon/ (S)Silicium carbide	(H) HNBR (V) Viton (E) EPDM
HGSV		
HGSE		

Electrical Data

Standard Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPK 2T3-1B	3	A3Z	50	200-255 / 380-440	0.22	0.15	0.9 / 0.6
			60	200-255 / 380-480	0.28	0.19	0.9 / 0.6
TPK 2T3-3B	3	A3Z	50	200-255 / 380-440	0.28	0.19	0.9 / 0.7
			60	200-255 / 380-480	0.37	0.25	1.1 / 0.6
TPK 2T5-5	3	A3Z	50	200-255 / 380-440	0.45	0.31	2.6 / 1.5
			60	200-255 / 380-480	0.60	0.41	2.2 / 1.5
TPK 2T8-8	3	A3Z	50	200-255 / 380-440	0.58	0.40	2.9 / 1.7
			60	200-255 / 380-480	0.82	0.56	2.7 / 1.6
TPK 2T11-11	3	A3Z	50	200-255 / 380-440	0.70	0.48	3.2 / 1.8
			60	200-255 / 380-480	1.05	0.72	3.5 / 1.9
TPK 2T12-12	3	A3Z	50	200-255 / 380-440	0.78	0.53	3.5 / 1.9
			60	200-255 / 380-480	1.16	0.79	3.6 / 2.0
TPK 2T15-15	3	A3U	50	200-240 / 380-415	0.85	0.58	3.0 / 1.8
			60	200-240 / 380-440	1.30	0.89	4.1 / 2.3
TPK 2T17-17	3	A3U	50	200-240 / 380-415	0.95	0.65	3.6 / 2.1
			60	200-240 / 380-440	1.45	0.99	5.0 / 2.7

Dimensions



Model	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPK 2T3-1B	405	179	226	123	101	8.6	30
TPK 2T5-1B	447	221	226	123	101	8.7	24
TPK 2T3-3B	405	179	226	123	101	8.7	30
TPK 2T5-3B	447	221	226	123	101	8.9	24
TPK 2T8-3B	510	284	226	123	101	9.2	15
TPK 2T11-3B	573	347	226	123	101	9.6	15
TPK 2T5-5	491	221	270	144.5	111	12.1	24
TPK 2T8-5	554	284	270	144.5	111	12.4	15
TPK 2T10-5	596	326	270	144.5	111	12.6	15
TPK 2T11-5	617	347	270	144.5	111	12.7	15
TPK 2T15-5	701	431	270	144.5	111	13.0	15
TPK 2T8-8	554	284	270	144.5	111	12.7	15
TPK 2T11-8	617	347	270	144.5	111	13.0	15
TPK 2T11-11	657	347	310	144.5	111	14.3	15
TPK 2T12-12	678	368	310	144.5	111	14.4	15
TPK 2T15-12	741	431	310	144.5	111	14.5	15
TPK 2T15-15	741	431	310	144.5	111	15.0	15
TPK 2T19-15	825	515	310	144.5	111	15.4	15
TPK 2T17-17	783	473	310	144.5	111	15.6	15
TPK 2T19-17	825	515	310	144.5	111	15.8	15

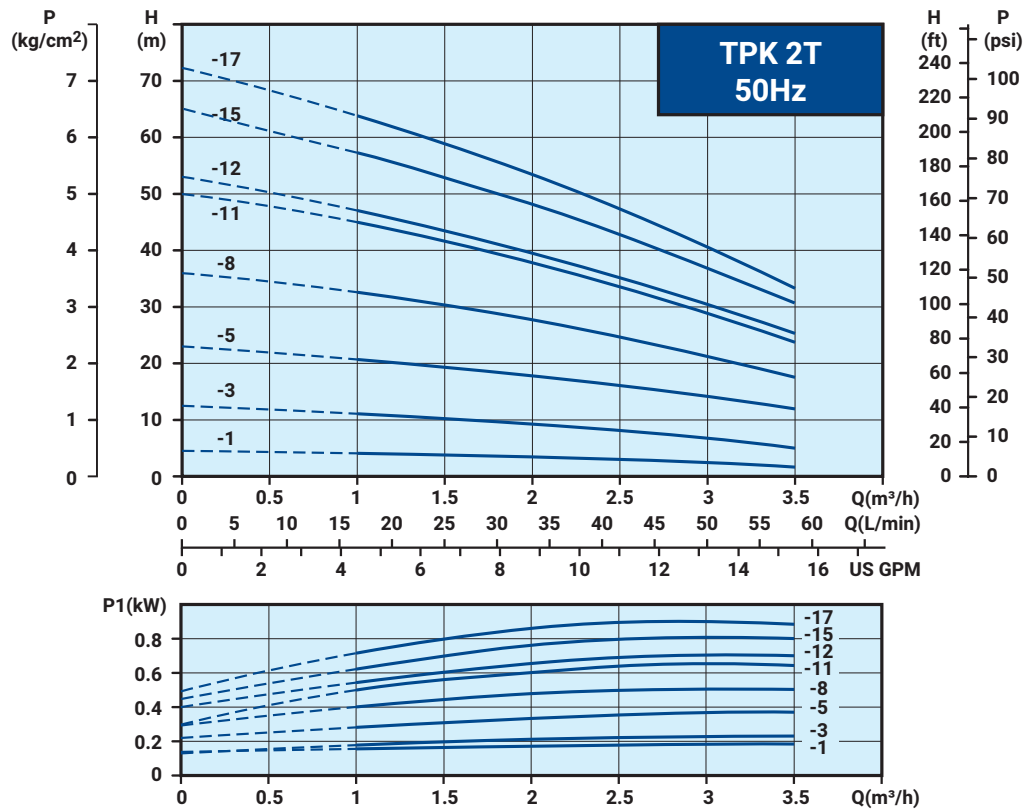
B Model without coupling design.

Maximum 19 Stages

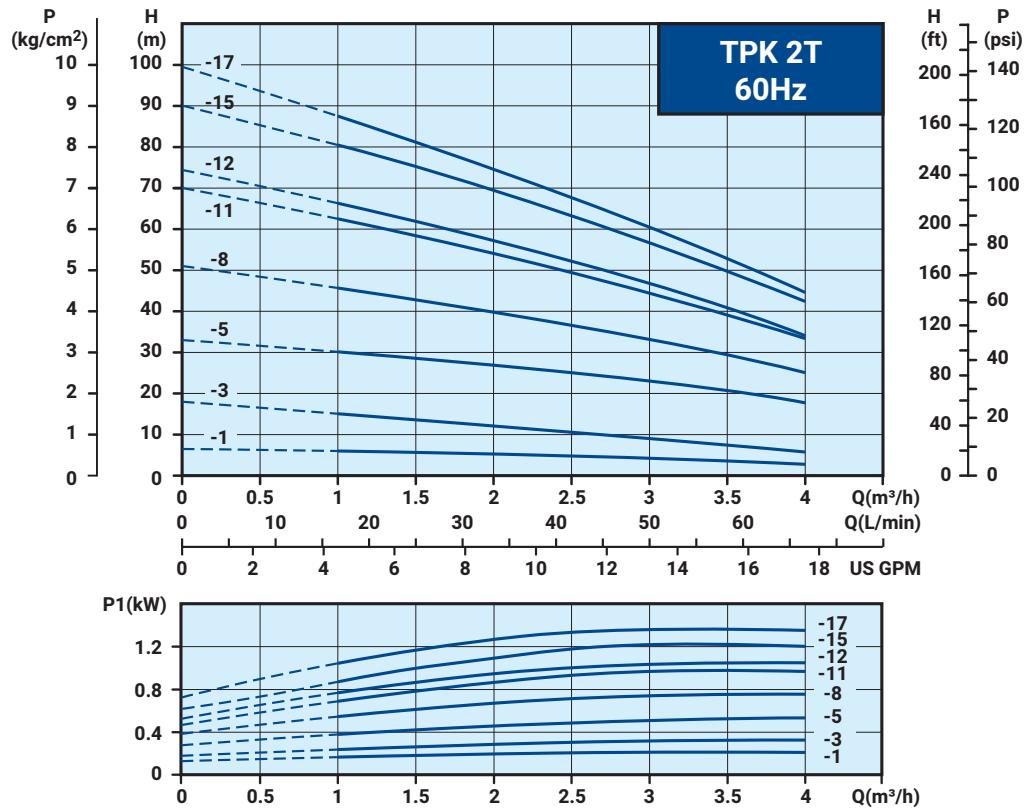
The stages that non-coupling models can be extended to 3-1B , 5-1B , 8-1B , 11-1B , 3-3B , 5-3B , 8-3B , 11-3B

The stages that coupling models can be extended to 5 , 8 , 10 , 11 , 12 , 15 , 17 , 19

Performance Curve, 50Hz



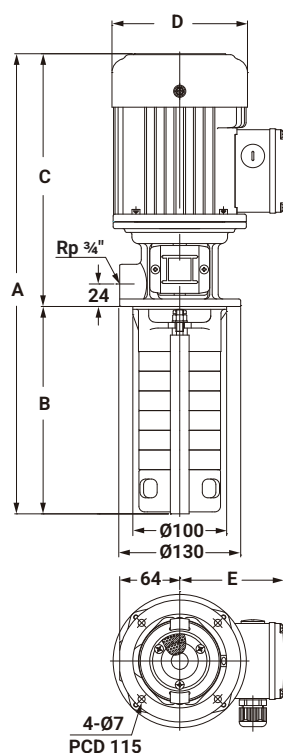
Performance Curve, 60Hz



Electrical Data

Standard Model	PH Ø	Voltage code	Cycle Hz	Volts V	Input kW	Output kW	Ampere A
TPK 4T3-1B	3	A3Z	50	200-255 / 380-440	0.25	0.17	1.0 / 0.6
			60	200-255 / 380-480	0.30	0.20	1.0 / 0.6
TPK 4T3-3B	3	A3Z	50	200-255 / 380-440	0.43	0.29	2.8 / 1.4
			60	200-255 / 380-480	0.55	0.38	2.2 / 1.2
TPK 4T5-5	3	A3Z	50	200-255 / 380-440	0.58	0.40	2.9 / 1.7
			60	200-255 / 380-480	0.90	0.61	2.7 / 1.6
TPK 4T7-7	3	A3Z	50	200-255 / 380-440	0.68	0.46	3.2 / 1.8
			60	200-255 / 380-480	1.00	0.68	3.4 / 1.9
TPK 4T8-8	3	A3Z	50	200-255 / 380-440	0.75	0.51	3.5 / 1.9
			60	200-255 / 380-480	1.16	0.79	3.6 / 2.0
TPK 4T10-10	3	A3Z	50	200-255 / 380-440	0.90	0.61	4.7 / 2.6
			60	200-255 / 380-480	1.42	0.97	4.7 / 2.6
TPK 4T11-11	3	A3U	50	200-240 / 380-415	0.95	0.65	3.6 / 2.1
			60	200-240 / 380-440	1.45	0.99	5.0 / 2.7
TPK 4T12-12	3	A3U	50	200-240 / 380-415	1.05	0.72	3.9 / 2.3
			60	200-240 / 380-440	1.58	1.08	5.3 / 2.9
TPK 4T15-15	3	53Q	50	200-255 / 380-440	1.30	0.89	4.4 / 2.8

Dimensions



Model	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPK 4T3-1B	405	179	226	123	101	8.4	30
TPK 4T5-1B	447	221	226	123	101	8.7	24
TPK 4T3-3B	449	179	270	144.5	111	11.8	24
TPK 4T5-3	491	221	270	144.5	111	12.0	24
TPK 4T8-3	554	284	270	144.5	111	12.3	15
TPK 4T19-3	785	515	270	144.5	111	13.4	15
TPK 4T5-5	491	221	270	144.5	111	12.1	24
TPK 4T8-5	554	284	270	144.5	111	12.4	15
TPK 4T11-5	617	347	270	144.5	111	12.7	15
TPK 4T15-5	701	431	270	144.5	111	13.0	15
TPK 4T19-5	785	515	270	144.5	111	13.3	15
TPK 4T7-7	573	263	310	144.5	111	13.7	15
TPK 4T19-7	825	515	310	144.5	111	14.8	15
TPK 4T8-8	594	284	310	144.5	111	13.8	15
TPK 4T11-8	657	347	310	144.5	111	14.1	15
TPK 4T15-8	741	431	310	144.5	111	14.4	15
TPK 4T19-8	825	515	310	144.5	111	14.8	15
TPK 4T10-10	636	326	310	144.5	111	14.1	15
TPK 4T11-10	657	347	310	144.5	111	14.2	15
TPK 4T15-10	741	431	310	144.5	111	14.5	15
TPK 4T19-10	825	515	310	144.5	111	14.9	15
TPK 4T11-11	657	347	310	144.5	111	14.3	15
TPK 4T12-12	678	368	310	144.5	111	14.4	15
TPK 4T15-12	741	431	310	144.5	111	14.6	15
TPK 4T19-12	825	515	310	144.5	111	14.8	15
TPK 4T15-15	741	431	310	144.5	111	15.0	15
TPK 4T19-15	825	515	310	144.5	111	15.4	15

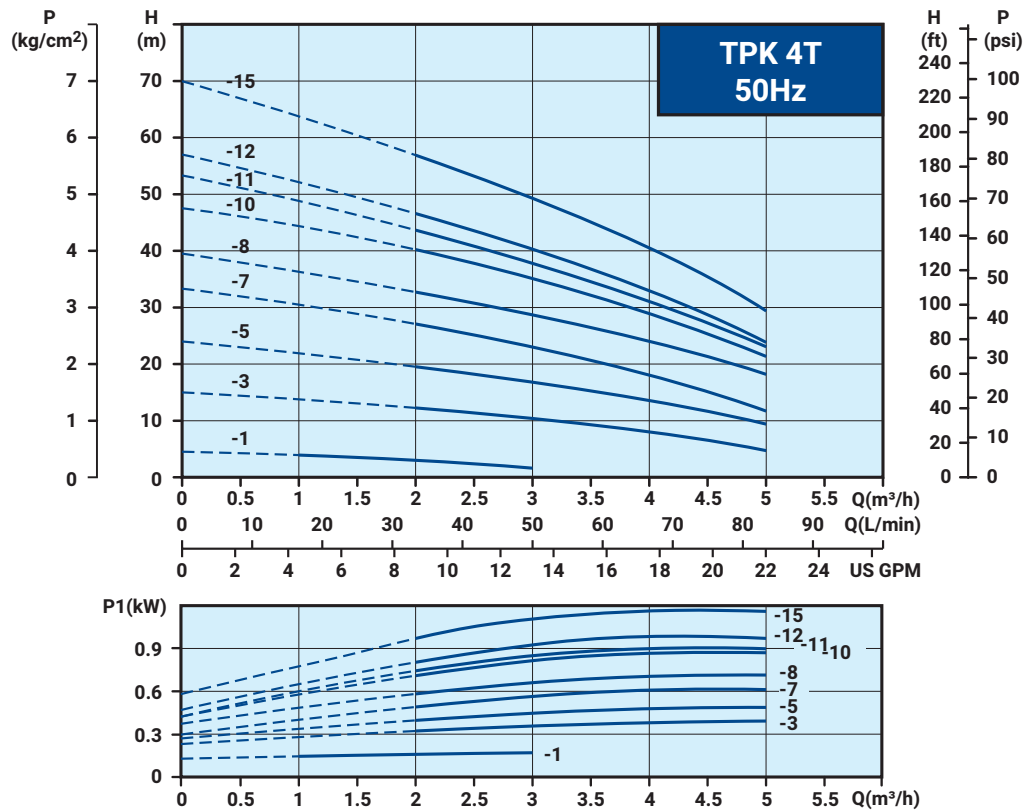
B Model without coupling design.

Maximum 19 Stages

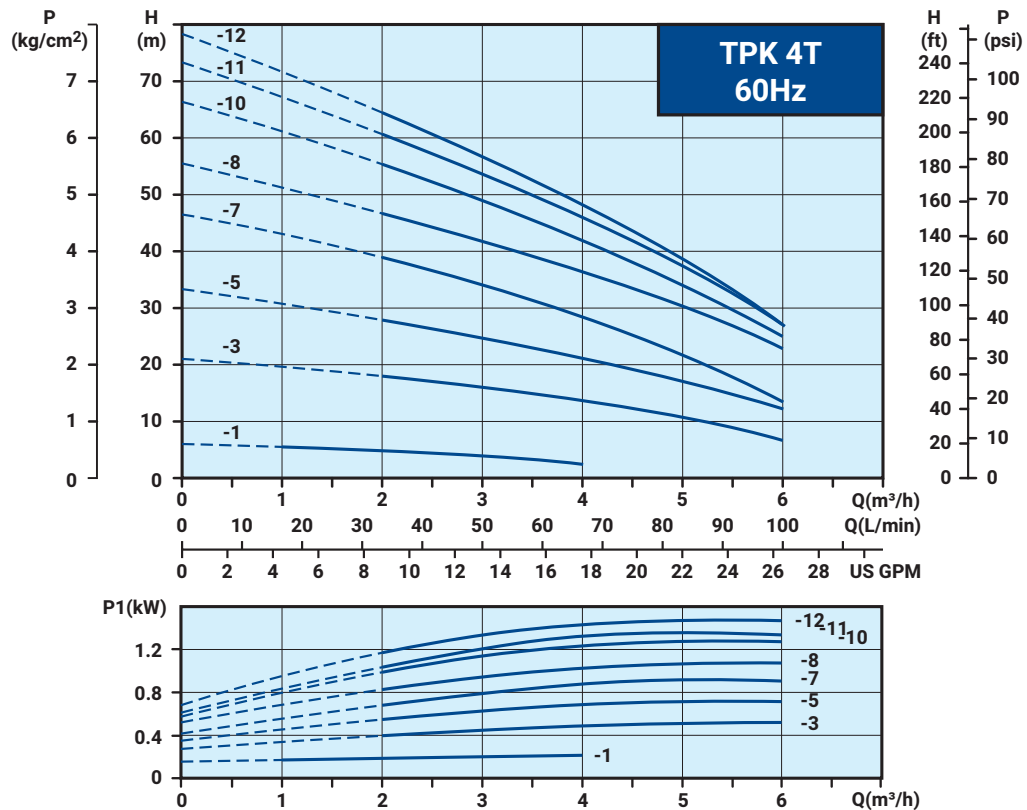
The stages that non-coupling models can be extended to 3-1B, 5-1B, 3-3B

The stages that coupling models can be extended to 5, 8, 10, 11, 12, 15, 17, 19

Performance Curve, 50Hz



Performance Curve, 60Hz



TPRK_E Series Immersible Pump

50 Hz

Power: 1.5 - 5.5 kW

Head: Up to 240 M

Flow: Up to 183 L/min

Outlet: 1¼"

60 Hz

Power: 1.5 - 7.5 kW

Head: Up to 257 M

Flow: Up to 208 L/min

Outlet: 1¼"



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

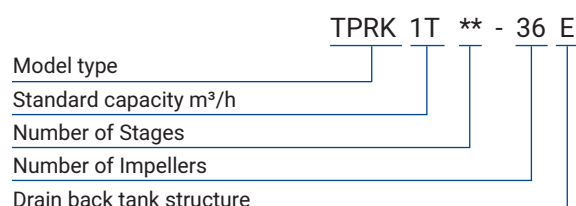
- Immersible vertical multistage centrifugal pump, self-priming, coupling connection between pump and motor, stainless steel construction design ensures corrosion-free operation.
- By the Drain back tank structure, that the liquid remains in the tank even the mechanical seal leakage, and use cartridge mechanical seal for easy maintenance.

Applications

The TPRK_E Series is vertical multistage centrifugal pump, designed for industrial use, specially for machine tools. It is suitable to carry fluids such as water, coolant, light oil and other clean, non aggressive matters:

- Industrial circulation system
- Washing/cleaning system
- Filtration system

Model Code



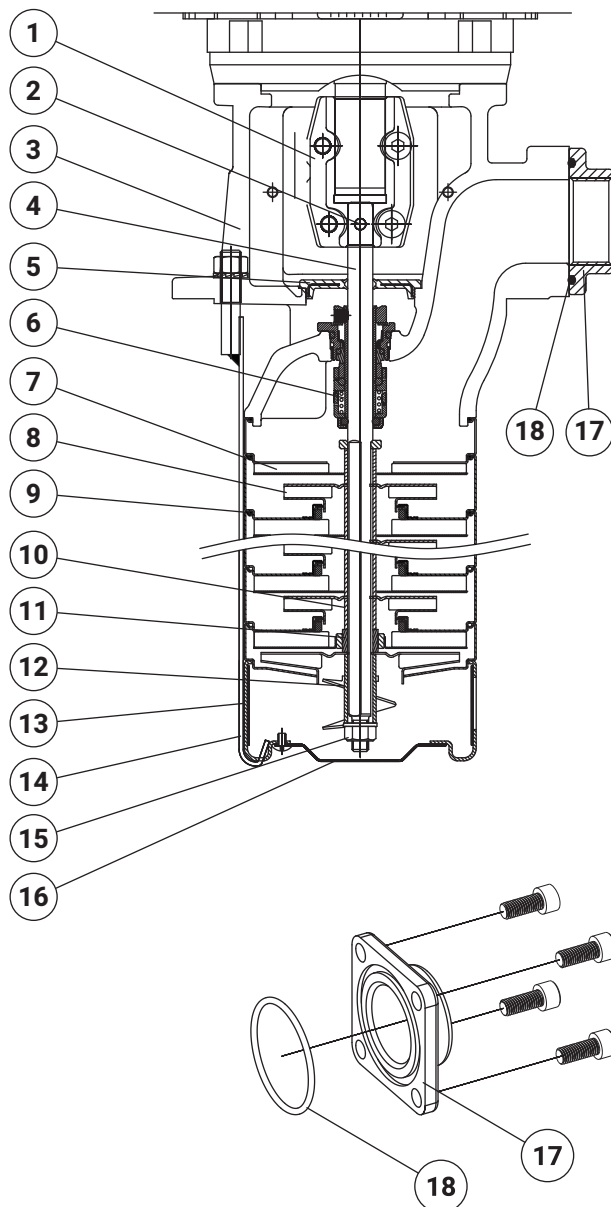
Operating Conditions

- Ambient temperature: Max. +40°C
- Liquid temperature range: +0°C ~ +90°C
- Operating pressure: Max. 30 kg/cm²
- Submerged depth: Min. 40 mm

Motor

- Enclosure protection class: IP54
- Insulation class: F.
- Frequency range: 50/60 Hz
- Nominal speed: 2900/3500 rpm
- Standard voltages:
 - 3Ø 50Hz: 1.5~2.2kW: 200-230/342-380V
 - 3~5.5kW: 220-240/380-415V
 - 3Ø 60Hz: 1.5~2.2kW: 220-240/380-440V
 - 3~7.5kW: 220-255/380-440V

Sectional Drawing



Materials

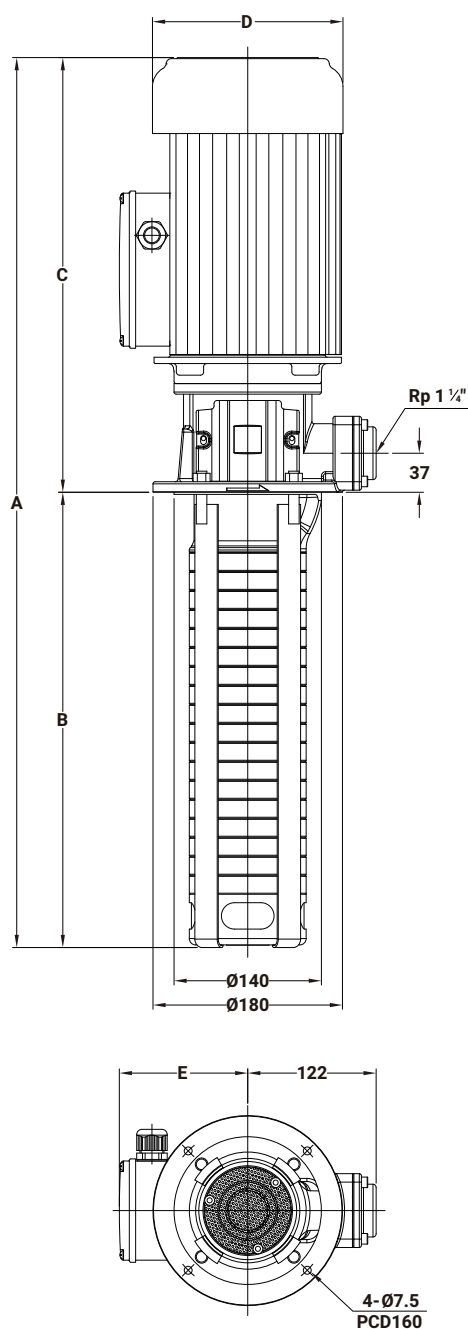
NO.	Part Name	Material
1	Coupling	SUS304 / FC45
2	Pin	SUS304
3	Pump Casing	FCD45
4	Shaft	SUS304
5	Water Seal	NBR+SPCC
6	Mechanical Seal	SiC + SiC + HNBR + SUS304
7	Chamber	SUS304
8	Impeller	SUS304
9	O-ring	HNBR
10	Sleeve	SUS304
11	Bearing	SiC
12	Priming Screw	SUS304
13	Suction intercon-necter	SUS304
14	Strap	SUS304
15	Nut	SUS316
16	Filter	SUS304
17	Flange	SUS304
18	O-ring	HNBR

Options on Request

■ Special mechanical seal

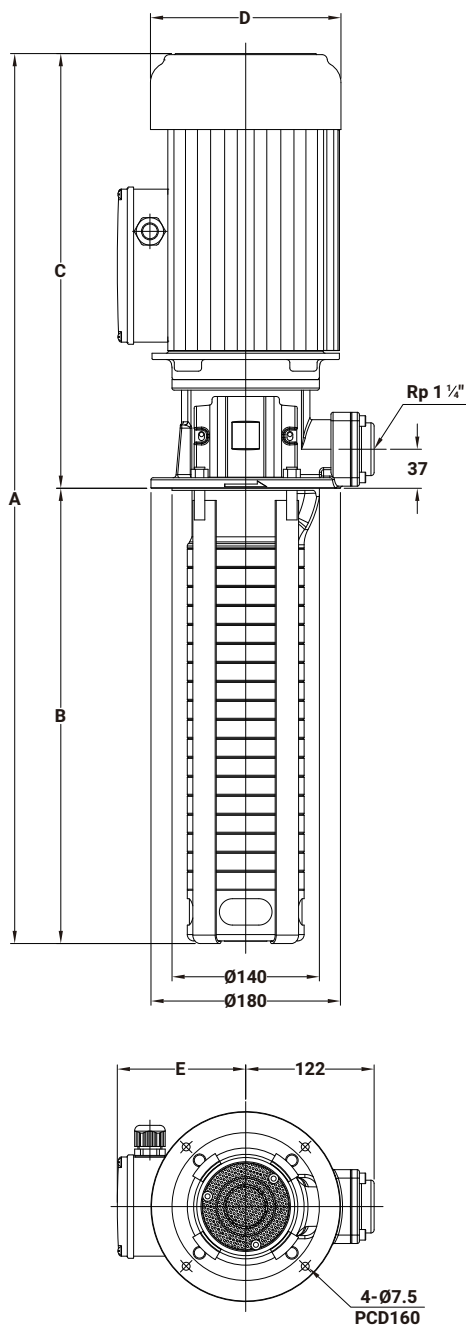
Mechanical seal type	Material	
	Stationary Face/ Rotary Face	Cup Gasket & O Ring
RSSH RSSV RSSE	(S)Silicon carbide/ (S)Silicon carbide	(H) HNBR (V) Viton (E) EPDM

Dimensions, 50Hz



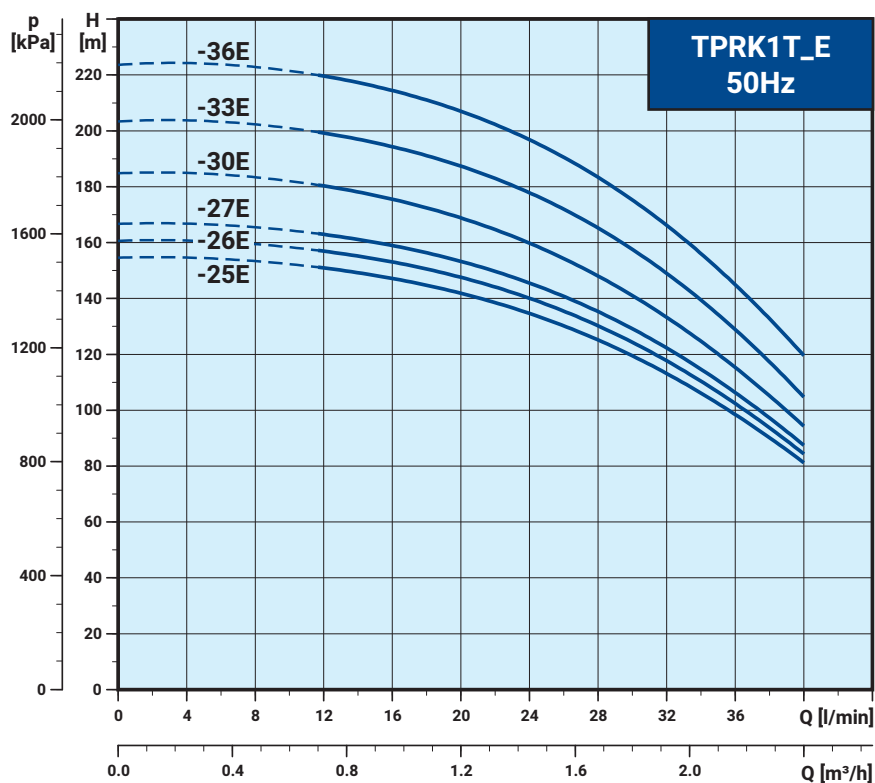
Model	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPRK1T 25-25E	953	576	377	181	123	31.85	12
TPRK1T 26-26E	971	594	377	181	123	32.11	12
TPRK1T 27-27E	989	612	377	181	123	32.36	12
TPRK1T 30-30E	1043	666	377	181	123	33.13	12
TPRK1T 33-33E	1132	720	412	181	123	36.90	12
TPRK1T 36-36E	1186	774	412	181	123	37.67	12
TPRK3T 17-17E	809	432	377	181	123	29.81	12
TPRK3T 19-19E	845	468	377	181	123	30.32	12
TPRK3T 21-21E	916	504	412	181	123	33.83	12
TPRK3T 22-22E	934	522	412	181	123	34.09	12
TPRK3T 23-23E	952	540	412	181	123	34.34	12
TPRK3T 25-25E	988	576	412	181	123	34.85	12
TPRK3T 26-26E	1006	594	412	181	123	35.11	12
TPRK3T 27-27E	1024	612	412	181	123	35.36	12
TPRK3T 30-30E	1105	666	439	208	134	45.50	12
TPRK3T 33-33E	1159	720	439	208	134	46.27	12
TPRK3T 36-36E	1213	774	439	208	134	47.04	12
TPRK5T 9 - 9E	737	360	377	181	123	28.55	12
TPRK5T 10-10E	764	387	377	181	123	28.89	12
TPRK5T 12-12E	853	441	412	181	123	32.57	12
TPRK5T 14-14E	907	495	412	181	123	33.26	12
TPRK5T 16-16E	961	549	412	181	123	33.95	12
TPRK5T 17-17E	1015	576	439	208	134	43.66	12
TPRK5T 18-18E	1042	603	439	208	134	44.00	12
TPRK5T 19-19E	1069	630	439	208	134	44.34	12
TPRK5T 20-20E	1096	657	439	208	134	44.69	12
TPRK5T 21-21E	1123	684	439	208	134	45.03	12
TPRK5T 22-22E	1180	711	469	208	134	49.97	12
TPRK5T 24-24E	1234	765	469	208	134	50.66	12
TPRK5T 26-26E	1288	819	469	208	134	51.34	-
TPRK5T 29-29E	1369	900	469	208	134	52.37	-
TPRK5T 32-32E	1534	981	553	244	162	74.75	-

Dimensions, 60Hz



Model	A mm	B mm	C mm	D mm	E mm	N.W. kg	
TPRK1T 15-15E	773	396	377	181	123	29.30	12
TPRK1T 17-17E	809	432	377	181	123	29.81	12
TPRK1T 19-19E	880	468	412	181	123	33.32	12
TPRK1T 21-21E	916	504	412	181	123	33.83	12
TPRK1T 22-22E	934	522	412	181	123	34.09	12
TPRK1T 23-23E	952	540	412	181	123	34.34	12
TPRK1T 25-25E	988	576	412	181	123	34.85	12
TPRK1T 26-26E	1033	594	439	208	134	44.48	12
TPRK1T 27-27E	1051	612	439	208	134	44.73	12
TPRK3T 9 - 9E	665	288	377	181	123	27.76	12
TPRK3T 10-10E	683	306	377	181	123	28.02	12
TPRK3T 11-11E	701	324	377	181	123	28.27	12
TPRK3T 12-12E	754	342	412	181	123	31.53	12
TPRK3T 13-13E	772	360	412	181	123	31.79	12
TPRK3T 15-15E	808	396	412	181	123	32.30	12
TPRK3T 17-17E	844	432	412	181	123	32.81	12
TPRK3T 19-19E	907	468	439	208	134	42.69	12
TPRK3T 21-21E	943	504	439	208	134	43.20	12
TPRK3T 22-22E	961	522	439	208	134	43.71	12
TPRK3T 23-23E	979	540	439	208	134	43.97	12
TPRK3T 25-25E	1045	576	469	208	134	49.08	12
TPRK3T 26-26E	1063	594	469	208	134	49.33	12
TPRK5T 5 - 5E	629	252	377	181	123	27.17	12
TPRK5T 6 - 6E	691	279	412	181	123	30.52	12
TPRK5T 7 - 7E	718	306	412	181	123	30.86	12
TPRK5T 8 - 8E	745	333	412	181	123	31.20	12
TPRK5T 10-10E	826	387	439	208	134	41.26	12
TPRK5T 12-12E	880	441	439	208	134	41.94	12
TPRK5T 14-14E	964	495	469	208	134	47.23	12
TPRK5T 16-16E	1018	549	469	208	134	47.92	12
TPRK5T 18-18E	1156	603	553	244	162	69.78	-
TPRK5T 19-19E	1183	630	553	244	162	70.12	-
TPRK5T 20-20E	1210	657	553	244	162	70.46	-
TPRK5T 22-22E	1264	711	553	244	162	71.15	-
TPRK5T 24-24E	1318	765	553	244	162	80.43	-

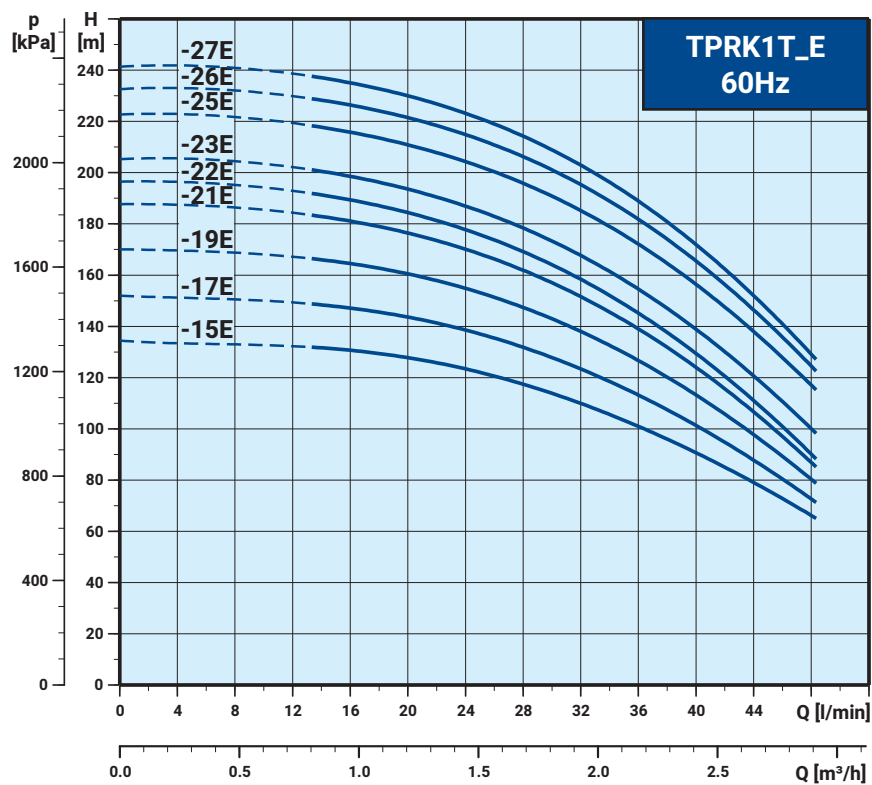
Performance Curve, 50Hz



Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere A
TPRK1T25-25E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK1T26-26E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK1T27-27E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK1T30-30E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK1T33-33E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK1T36-36E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6

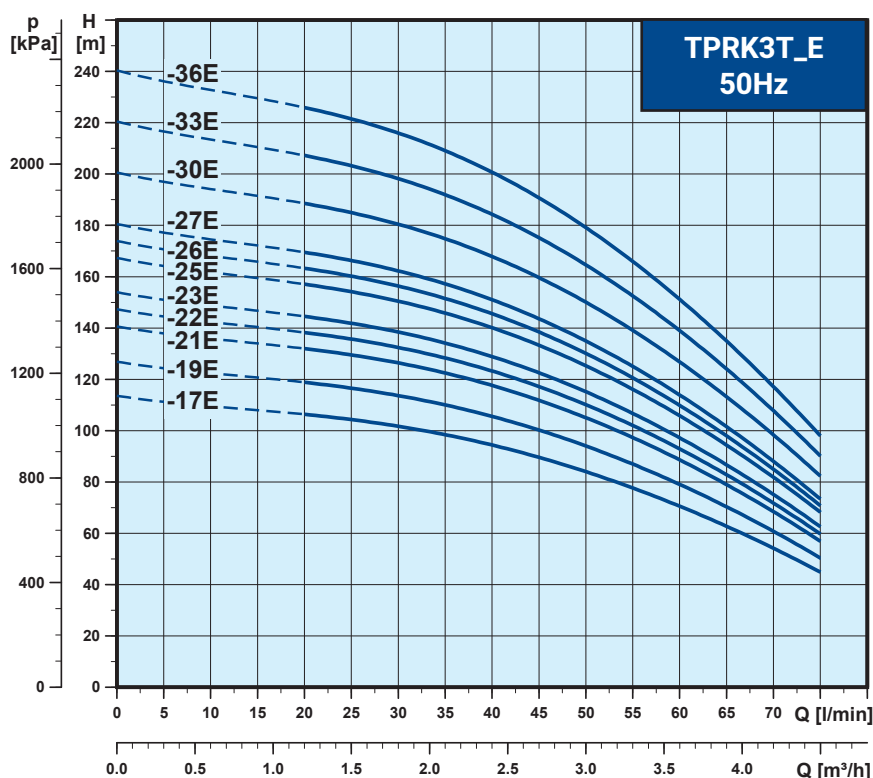
Performance Curve, 60Hz



Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere A
TPRK1T15-15E	3	9V	60	220-240/380-440	1.5	5.8-5.5/3.4-3.1
TPRK1T17-17E	3	9V	60	220-240/380-440	1.5	5.8-5.5/3.4-3.1
TPRK1T19-19E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK1T21-21E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK1T22-22E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK1T23-23E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK1T25-25E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK1T26-26E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9
TPRK1T27-27E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9

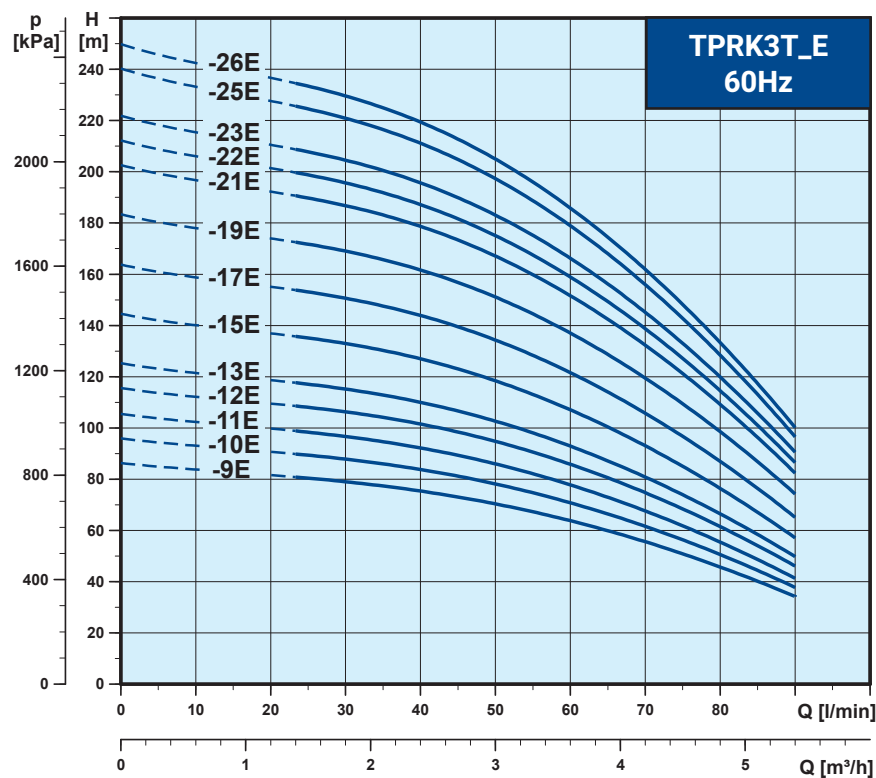
Performance Curve, 50Hz



Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere A
TPRK3T17-17E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK3T19-19E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK3T21-21E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK3T22-22E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK3T23-23E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK3T25-25E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK3T26-26E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK3T27-27E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK3T30-30E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5
TPRK3T33-33E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5
TPRK3T36-36E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5

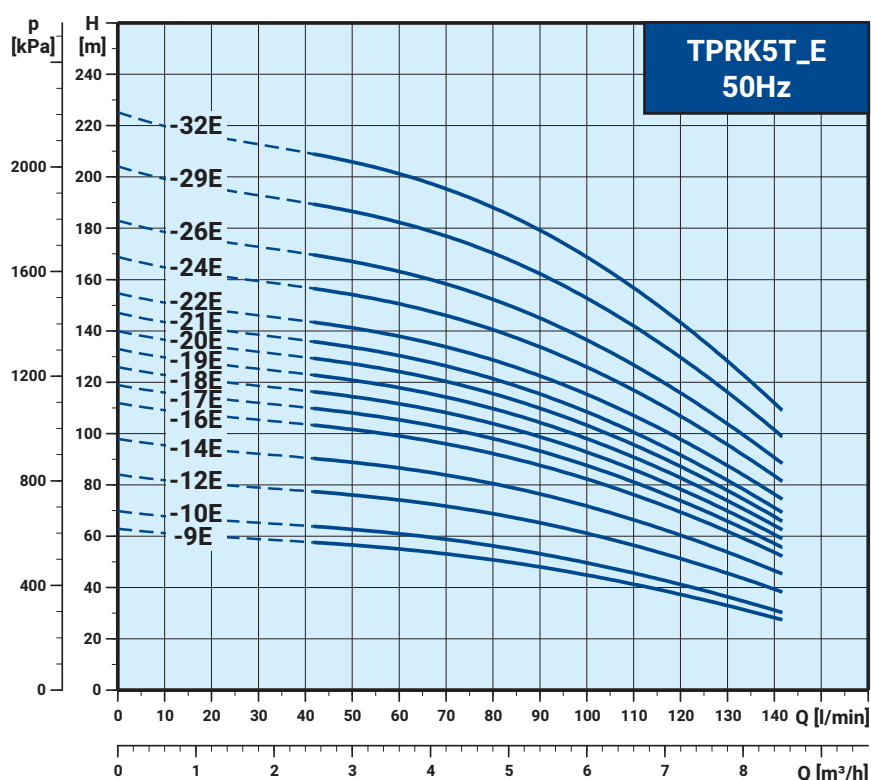
Performance Curve, 60Hz



Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere A
TPRK3T 9 - 9E	3	9V	60	220-240/380-440	1.5	5.8-5.5/3.4-3.1
TPRK3T10-10E	3	9V	60	220-240/380-440	1.5	5.8-5.5/3.4-3.1
TPRK3T11-11E	3	9V	60	220-240/380-440	1.5	5.8-5.5/3.4-3.1
TPRK3T12-12E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK3T13-13E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK3T15-15E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK3T17-17E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK3T19-19E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9
TPRK3T21-21E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9
TPRK3T22-22E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9
TPRK3T23-23E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9
TPRK3T25-25E	3	9U	60	220-255/380-440	4	14.4-12.8/8.3-7.4
TPRK3T26-26E	3	9U	60	220-255/380-440	4	14.4-12.8/8.3-7.4

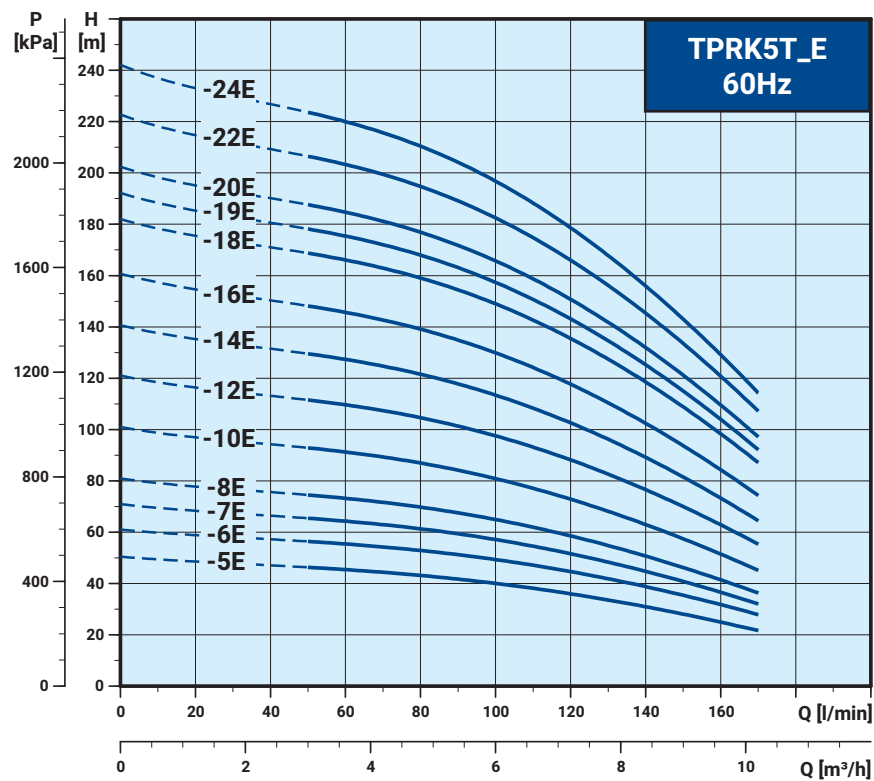
Performance Curve, 50Hz



Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere A
TPRK5T 9 - 9E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK5T10-10E	3	9V	50	200-230/342-380	1.5	6.3-6.1/3.6-3.5
TPRK5T12-12E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK5T14-14E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK5T16-16E	3	9V	50	200-230/342-380	2.2	9.5-10.5/5.5-5.6
TPRK5T17-17E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5
TPRK5T18-18E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5
TPRK5T19-19E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5
TPRK5T20-20E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5
TPRK5T21-21E	3	9U	50	220-240/380-415	3	11.4-11.1/6.6-6.5
TPRK5T22-22E	3	9U	50	220-240/380-415	4	14.4-13.9/8.3-8.0
TPRK5T24-24E	3	9U	50	220-240/380-415	4	14.4-13.9/8.3-8.0
TPRK5T26-26E	3	9U	50	220-240/380-415	4	14.4-13.9/8.3-8.0
TPRK5T29-29E	3	9U	50	220-240/380-415	4	14.4-13.9/8.3-8.0
TPRK5T32-32E	3	9U	50	220-240/380-415	5.5	19.6-19.9/11.3-11.4

Performance Curve, 60Hz



Electrical Data

Model	PH Ø	Voltage code	Cycle Hz	Volts V	Output kW	Ampere A
TPRK5T 5 - 5E	3	9V	60	220-240/380-440	1.5	5.8-5.5/3.4-3.1
TPRK5T 6 - 6E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK5T 7 - 7E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK5T 8 - 8E	3	9V	60	220-240/380-440	2.2	8.6-8.4/4.9-5.0
TPRK5T10-10E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9
TPRK5T12-12E	3	9U	60	220-255/380-440	3	11.1-10.1/6.4-5.9
TPRK5T14-14E	3	9U	60	220-255/380-440	4	14.4-12.8/8.3-7.4
TPRK5T16-16E	3	9U	60	220-255/380-440	4	14.4-12.8/8.3-7.4
TPRK5T18-18E	3	9U	60	220-255/380-440	5.5	21.7-19.9/12.4-11.5
TPRK5T19-19E	3	9U	60	220-255/380-440	5.5	21.7-19.9/12.4-11.5
TPRK5T20-20E	3	9U	60	220-255/380-440	5.5	21.7-19.9/12.4-11.5
TPRK5T22-22E	3	9U	60	220-255/380-440	5.5	21.7-19.9/12.4-11.5
TPRK5T24-24E	3	9U	60	220-255/380-440	7.5	25.4-24.4/14.7-14.1



WALRUS
PUMP

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All specifications are subject to change without notice. immersible-EW004-202309

