



WALRUS®

TPAK Series COOLANT PUMP

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.

PUMP CONSTRUCTION

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

MOTOR

Nominal speed : 2900 / 3500 rpm

Frequency range : 50 / 60 Hz

Standard voltages : Single-phase (TPAK 1)

50Hz: 100-132V / 200-255V

60Hz: 100-132V / 200-255V

Three phases (TPAK 1 ~ TPAK 8)

50Hz: 200-255V / 380-440V

60Hz: 200-255V / 380-480V

Enclosure class : IP54

Insulation class : F.

OPERATING LIMITS

Max. flow : 230 L/min

Max. head : 17m

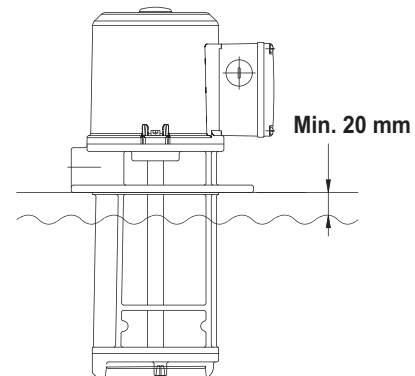
Max. ambient temperature : +40°C

Max. liquid temperature range : +90°C

Max. operating pressure : 10 kg/cm²

INSTALLATION

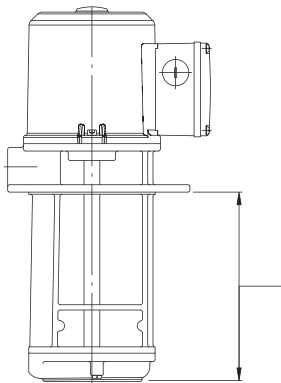
Maximum liquid level



All specifications are subject to change without notice. 01



MODEL CODE



TPAK 1 - 18

Installation length [mm]

18 = 180 mm

25 = 250 mm

Output power

1 = 1/8 HP

2 = 1/4 HP

4 = 1/2 HP

8 = 1 HP

Model name

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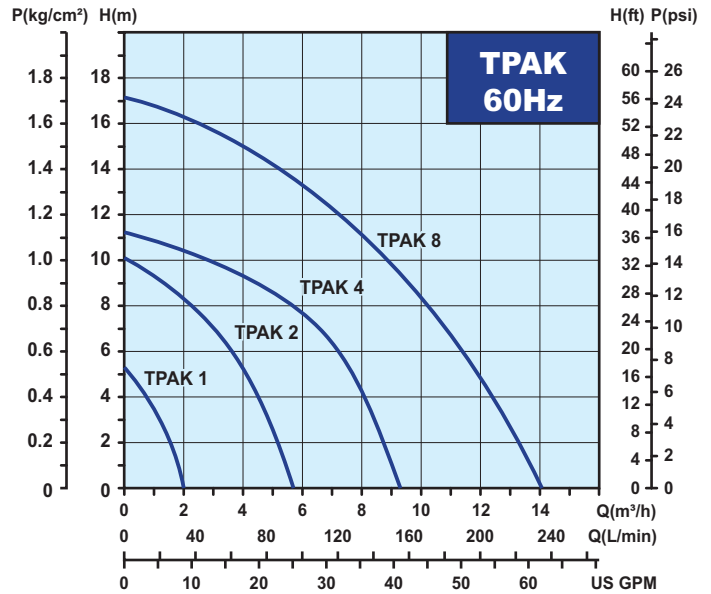
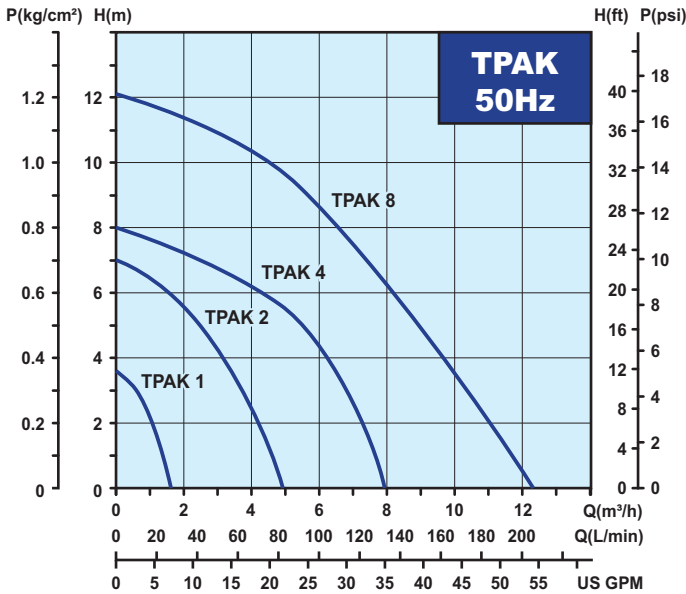
Product Data



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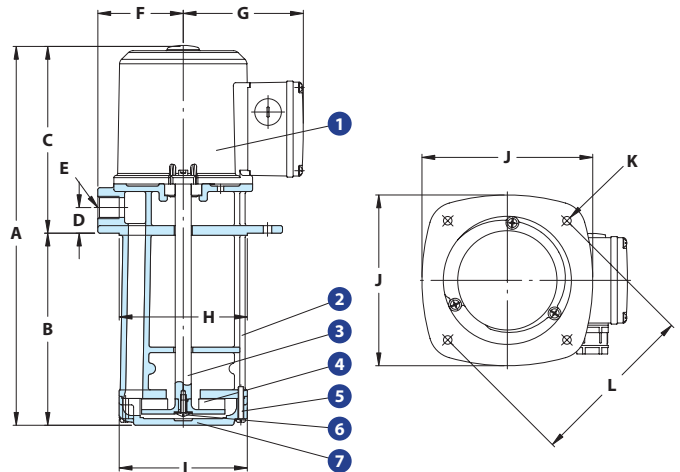
TPAK Series COOLANT PUMP

PERFORMANCE CURVES



CONSTRUCTION

No.	Part name	Material	
		TPAK 1	TPAK 2 ~ TPAK8
1	Motor shell	Aluminum alloy	
2	Pump Casing	Cast Iron (FC20)	
3	Shaft	Carbon Steel (S45C)	
4	Impeller	Polyoxymethylene (POM G15)	
5	Screw	Stainless Steel (SUS 304)	
6	Screw	Stainless Steel (SUS 304)	
7	Pump Cap	Polyamide (PA G30)	Cast Iron (FC20)



SPECIFICATION

Model	PH (Ø)	Cycle (Hz)	Input Power (W)	Volts (V)	Full load current (A)	DIMENSIONS: (mm)											N.W weight (kg)	
						A	B	C	D	E	F	G	H	I	J	K		L
TPAK 1 - 18	1	50	110	100-132 / 200-255	0.9-1.2 / 0.45-0.6	340	180	160	16	PF 3/8"	63	100.5	Ø 90	Ø 90	126	4 X Ø8	Ø128	5.5
		60	110	100-132 / 200-255	0.9 / 0.45													
	3	50	120	200-255 / 380-440	0.40-0.56 / 0.27-0.32													
		60	120	200-255 / 380-480	0.5 / 0.3													
TPAK 2 - 18	3	50	270	200-255 / 380-440	1.0-1.3 / 0.6-0.8	355	180	175	24	PF 1/2"	80	112.5	Ø120	Ø120	160	4 X Ø8	Ø158	10.0
		60	350	200-255 / 380-480	1.2 / 0.7													
TPAK 4 - 18	3	50	440	200-255 / 380-440	1.5-1.9 / 0.9-1.2	415	180	235	28	PF 3/4"	85	111	Ø135	Ø135	170	4 X Ø9	Ø170	11.9
		60	620	200-255 / 380-480	2.0 / 1.1													
TPAK 8 - 18	3	50	930	200-255 / 380-440	3.1-4.4 / 1.9-2.6	456	180	276	29	PF 1"	95	111	Ø150	Ø150	190	4 X Ø9	Ø185	15.5
		60	1320	200-255 / 380-480	4.0 / 2.4													
TPAK 8 - 25	3	50	930	200-255 / 380-440	3.1-4.4 / 1.9-2.6	526	250	276	29	PF 1"	95	111	Ø150	Ø150	190	4 X Ø9	Ø185	17.1
		60	1320	200-255 / 380-480	4.0 / 2.4													

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