VANCS Series



The **VANCS SERIES** *Tsurumi submersible pump is designed for handling raw sewage, wastewater, industrial and commercial sump pump applications. The* **VANCS SERIES** *has a proven track record for offering long life in both continuous and intermittent sump applications. With the pump made of complete molded resin material and all other parts coming in contact with the pump liquid in either 304 SS or Titanium.*

Applications

- Residential, commercial, industrial, effluent, wastewater and site drainage.
- Chemical spill containment
- Raw water supply from rivers or lakes.
- ***For TM Series: Titanium components increases corrosion resistance in a wide variety of applications. Ideal use for salt wastewater, site drainage and bilge pumps***
- ***Automatic Operation and Auto Alternating Operation are available***

Model Name Description

Description: PN, PU, PSF and TM Series

50 PU A 2 .25 S

① ② ③ ④ ⑤ ⑥

Description: OM Series

OM 3 / OM A 4

① ① ③

① Discharge Size (mm)
② Model Name
③ Operation
None: Manual, A: Automatic with Floats
W: Auto Alternating, F: Automatic with Vertical Float
④ Number of Poles in Motor
⑤ Motor Output (kW)
⑥ Phase
S: Single Phase, None: Three Phase

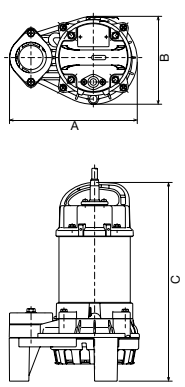
AUTO DUPLEXING - MADE SIMPLE

VANCS Series pumps are available with automatic duplexing capabilities eliminating the need for a duplexing control panel*. The auto-alternating model has three floats and can be identified by the suffix "W". Refer to standard specifications for availability and model numbers. It is available in the same output range of the automatic pumps.

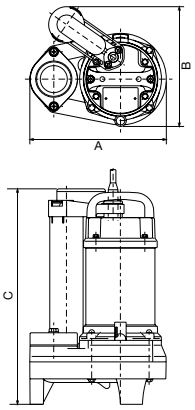
*Note: Must be installed in accordance with all National or Local Electrical or Building Codes.

Dimension Description

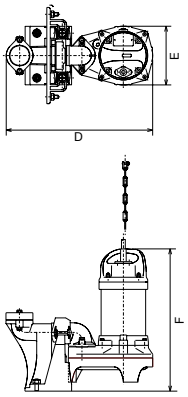
Dimension:
Free Standing
(PU, PN, PSF, TM, OM Series)



Dimension:
Free Standing
(PUF2.15S, OMA4)

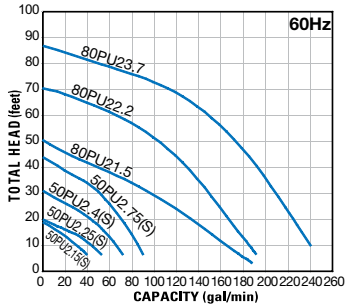


Dimension:
Guide Rail Fitting TOK
(PU, PN, PSF, TM Series)

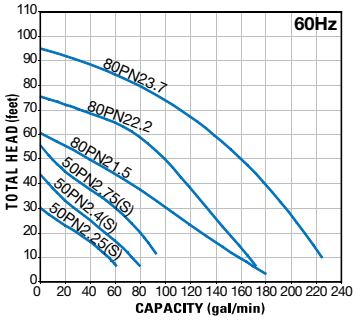


Performance Curves

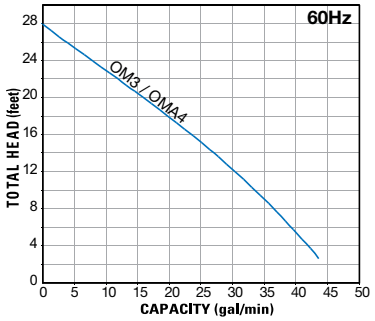
Semi-Vortex Impeller
PU Series



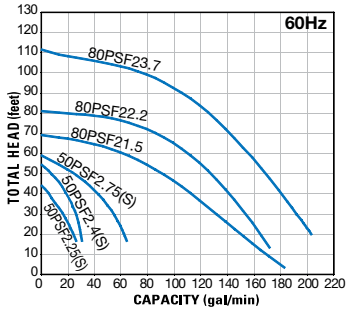
Semi-Open Impeller
PN Series



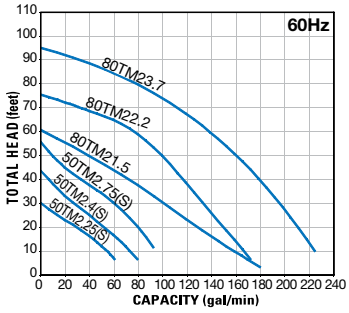
Semi-Vortex Impeller
OM Series



Enclosed Impeller
PSF Series



Corrosion Resistant Titanium
TM Series





Specifications

	Model	Discharge Size (inch)	Phase	Motor Output (HP)	Voltages (V)	Dimensions (inch)						Cable Length (ft)	Free Standing Weight (lbs.)	*Guide Rail Fitting Weight (lbs.)
						Free Standing Models			TOK Guide Rail Models					
						A	B	C	D	E	F			
PU Series	50PU2.15S	2	1Ø	1/5	115/230	8 7/8	6 1/16	14 13/16	16	6 1/16	16 1/8	20	13.4	14.3
	50PUF2.15S	2	1Ø	1/5	115/230	8 7/8	7 3/4	14	N/A	N/A	N/A	20	14.6	N/A
	50PU2.25S	2	1Ø	1/3	115/230	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16	32	15.6	16.5
	50PU2.25	2	3Ø	1/3	230/460	9 5/16	6 3/8	13 3/4	16 3/4	6 11/16	16	32	13.4	15.6
	50PU2.4S	2	1Ø	1/2	115/230	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15.6	16.5
	50PU2.4	2	3Ø	1/2	230/460	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15.4	16.3
	50PU2.75S	2	1Ø	1	115/230	9 5/16	6 3/8	14 15/16	16 3/4	6 11/16	16 7/8	32	19.6	20.5
	50PU2.75	2	3Ø	1	230/460	9 5/16	6 3/8	14 3/4	16 3/4	6 11/16	16 7/8	32	18.3	21.1
	80PU21.5	3	3Ø	2	208-220/440	11 5/8	7 11/16	18 11/16	20 11/16	7 11/16	19 5/16	32	35.3	36.4
	80PU2.2	3	3Ø	3	208-220/460/575	12 1/4	8 3/8	22 15/16	21 5/16	8 3/8	23 3/8	32	48.5	49.6
	80PU23.7	3	3Ø	5	208-220/460/575	12 1/4	8 3/8	24 5/16	21 5/16	8 3/8	24 3/4	32	59.5	60.6
PN Series	50PN2.25S	2	1Ø	1/3	115/230	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16	32	15.6	16.5
	50PN2.25	2	3Ø	1/3	230/460	9 5/16	6 3/8	13 3/4	16 3/4	6 11/16	16	32	13.4	15.6
	50PN2.4S	2	1Ø	1/2	115/230	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15.6	16.5
	50PN2.4	2	3Ø	1/2	230/460	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15.4	16.3
	50PN2.75S	2	1Ø	1	115/230	9 5/16	6 3/8	14 15/16	16 3/4	6 11/16	16 7/8	32	19.6	20.5
	50PN2.75	2	3Ø	1	230/460	9 5/16	6 3/8	14 3/4	16 3/4	6 11/16	16 7/8	32	18.3	19.2
	80PN21.5	3	3Ø	2	208-220/440	11 5/8	7 11/16	17 1/8	20 11/16	7 11/16	19 5/16	32	35.1	36.2
	80PN22.2	3	3Ø	3	208-220/460/575	12 1/4	8 3/8	22	21 5/16	8 3/8	23 3/8	32	48.5	49.6
	80PN23.7	3	3Ø	5	208-220/460/575	12 1/4	8 3/8	23 3/8	21 5/16	8 3/8	24 3/4	32	59.5	60.6
PSF Series	50PSF2.25S	2	1Ø	1/3	115/230	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16	32	15.9	16.8
	50PSF2.25	2	3Ø	1/3	230/460	9 5/16	6 3/8	13 3/4	16 3/4	6 11/16	16	32	13.7	14.6
	50PSF2.4S	2	1Ø	1/2	115/230	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15.9	18.9
	50PSF2.4	2	3Ø	1/2	230/460	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15.6	17.8
	50PSF2.75S	2	1Ø	1	115/230	9 5/16	6 3/8	14 15/16	16 3/4	6 11/16	16 7/8	32	19.8	20.7
	50PSF2.75	2	3Ø	1	230/460	9 5/16	6 3/8	14 3/4	16 3/4	6 11/16	16 7/8	32	18.5	19.4
	80PSF21.5	3	3Ø	2	208-220/440	11 5/8	7 11/16	17 1/8	20 11/16	7 11/16	19 5/16	32	35.3	36.4
	80PSF22.2	3	3Ø	3	208-220/460/575	12 1/4	8 3/8	22	21 5/16	8 3/8	23 3/8	32	48.5	49.6
	80PSF23.7	3	3Ø	5	208-220/460/575	12 1/4	8 3/8	23 3/8	21 5/16	8 3/8	24 3/4	32	59.5	60.6
TM Series	50TM2.4S	2	1Ø	1/2	115/230	9 5/16	6 3/8	14 3/16	N/A	N/A	N/A	32	14.8	N/A
	50TM2.4	2	3Ø	1/2	230/460	9 5/16	6 3/8	14 3/16	N/A	N/A	N/A	32	14.5	N/A
	50TM2.75S	2	1Ø	1	230/460	9 5/16	6 3/8	14 3/4	N/A	N/A	N/A	32	18.0	N/A
	50TM2.75	2	3Ø	1	230/460	9 5/16	6 3/8	14 3/4	N/A	N/A	N/A	32	17.4	N/A
	80TM21.5	3	3Ø	2	208-220/440	11 5/8	7 11/16	17 1/8	N/A	N/A	N/A	32	32.8	N/A
	80TM22.2	3	3Ø	3	208-220/460/575	12 1/4	8 3/8	22	N/A	N/A	N/A	32	46.3	N/A
	80TM23.7	3	3Ø	5	208-220/460/575	12 1/4	8 3/8	23 3/8	N/A	N/A	N/A	32	57.3	N/A
OM	OM3	1.5	1Ø	1/5	115-120/230	8	5 1/2	12 7/16	N/A	N/A	N/A	20	13.0	N/A
	OMA4	1.5	1Ø	1/5	115-120/230	8	6 15/16	12 11/16	N/A	N/A	N/A	20	13.5	N/A

* Pump Weight Only

TSURUMI PUMP