

# VANCS Series



The **VANCS SERIES** 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.



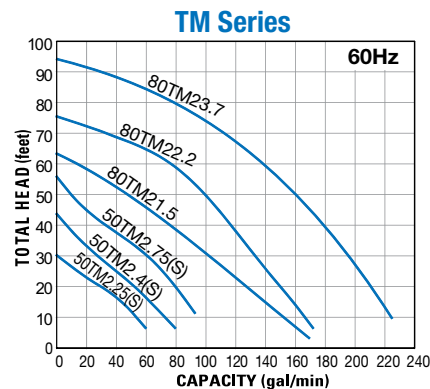
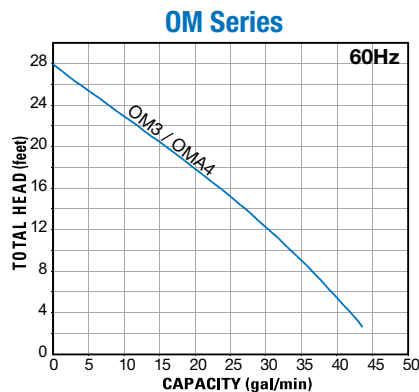
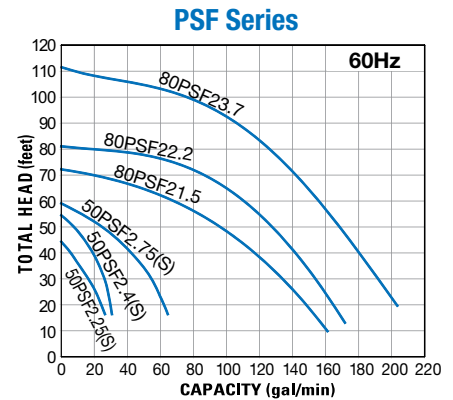
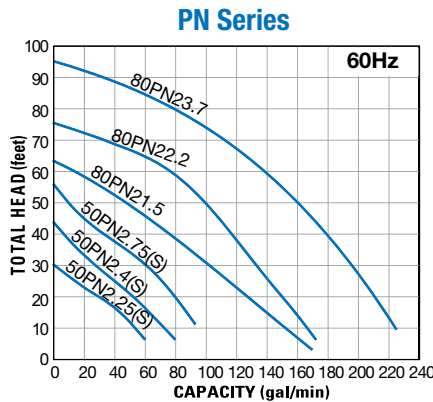
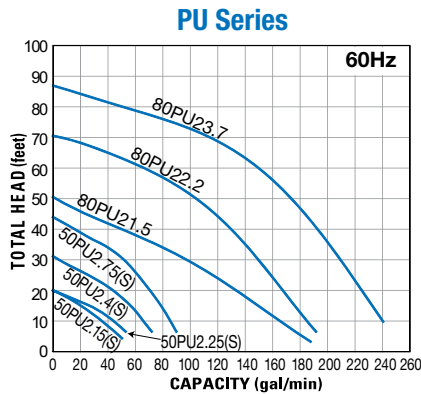
- Residential, commercial, industrial, effluent, wastewater and site drainage.
- Chemical spill containment
- Raw water supply from rivers or lakes.
- **For TM Series: Titanium components increases corrosion resistance in a wide variety of applications. Ideal use for salt wastewater, site drainage and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

## ✓ 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.

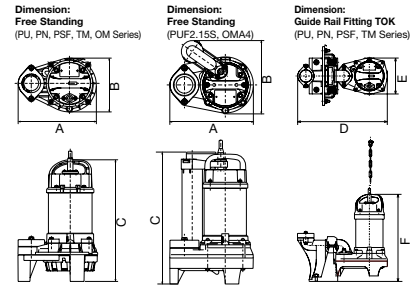
\*Note: Must be installed in accordance with all National or Local Electrical or Building Codes.

## ■ Performance Curves



# Specifications

S.S = Synchronous Speed  
\* Rated Current 440V



OM Series	Single Phase Model	Motor Output (HP)	Rated Current (A)		S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)			Max. Solids Dia. (in.)
			115V	230V			Free Standing Models			
			A	B			C			
OM3	1/5	3.2	1.6	3600	1.5	8	5 1/2	12 7/16	0.394	
OMA4	1/5	3.2	1.6	3600	1.5	8	7	12 5/8	0.394	

PU Series	Single Phase Model	Motor Output (HP)	Rated Current (A)			S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)
			115V	230V	Free Standing Models			TOK Guide Rail Models						
			A	B	C			D	E	F				
(TOK)50PU2.15S	1/5	3.2	1.6	3600	2	8 7/8	6 1/16	14 13/16	16 13/16	6 1/16	16 1/8	1.38		
(TOK)50PU2.25S	1/3	4.6	2.3	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	1.38		
(TOK)50PU2.4S	1/2	5.8	2.9	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	1.38		
(TOK)50PU2.75S	1	9.2	4.6	3600	2	9 5/16	6 3/8	14 15/16	17 3/16	6 3/8	16	1.38		
Three Phase Model	Motor Output (HP)	Rated Current (A)			S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)	
		208V	220V	460V			575V	Free Standing Models			TOK Guide Rail Models			
		A	B	C			D	E	F					
(TOK)50PU2.25	1/3	1.65	1.6	0.75	---	3600	2	9 5/16	6 3/8	13 3/4	17 3/16	6 3/8	14 3/4	1.38
(TOK)50PU2.4	1/2	2.1	2.0	0.95	---	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	1.38
(TOK)50PU2.75	1	3.2	3.2	1.5	---	3600	2	9 5/16	6 3/8	14 3/4	17 3/16	6 3/8	15 3/4	1.38
(TOK)80PU21.5	2	6.9	6.6	*3.6	---	3600	3	11 5/8	7 11/16	18 11/16	20 11/16	7 11/16	19 5/16	1.81
(TOK)80PU22.2	3	9.1	8.5	4.2	3.3	3600	3	12 1/4	8 3/8	22 15/16	21 5/16	8 3/8	23 3/8	1.81
(TOK)80PU23.7	5	14.4	13.4	6.5	5.0	3600	3	12 1/4	8 3/8	24 5/16	21 5/16	8 3/8	24 3/4	1.81

PN Series	Single Phase Model	Motor Output (HP)	Rated Current (A)		S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)	
			115V	230V			Free Standing Models			TOK Guide Rail Models				
			A	B			C	D	E	F				
(TOK)50PN2.25S	1/3	4.6	2.3	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	0.394		
(TOK)50PN2.4S	1/2	5.8	2.9	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	0.394		
(TOK)50PN2.75S	1	9.2	4.6	3600	2	9 5/16	6 3/8	14 15/16	17 3/16	6 3/8	16	0.394		
Three Phase Model	Motor Output (HP)	Rated Current (A)			S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)	
		208V	220V	460V			575V	Free Standing Models			TOK Guide Rail Models			
		A	B	C			D	E	F					
(TOK)50PN2.25	1/3	1.65	1.6	0.75	---	3600	2	9 5/16	6 3/8	13 3/4	17 3/16	6 3/8	14 3/4	0.394
(TOK)50PN2.4	1/2	2.1	2.0	0.95	---	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	0.394
(TOK)50PN2.75	1	3.2	3.2	1.5	---	3600	2	9 5/16	6 3/8	14 3/4	17 3/16	6 3/8	15 3/4	0.394
(TOK)80PN21.5	2	6.9	6.6	*3.6	---	3600	3	11 5/8	7 11/16	17 1/8	20 11/16	7 11/16	19 5/16	0.787
(TOK)80PN22.2	3	9.1	8.5	4.2	3.3	3600	3	12 1/4	8 3/8	22	21 5/16	8 3/8	23 3/8	0.787
(TOK)80PN23.7	5	14.4	13.4	6.5	5.0	3600	3	12 1/4	8 3/8	23 3/8	21 5/16	8 3/8	24 3/4	0.787

PSF Series	Single Phase Model	Motor Output (HP)	Rated Current (A)		S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)	
			115V	230V			Free Standing Models			TOK Guide Rail Models				
			A	B			C	D	E	F				
(TOK)50PSF2.25S	1/3	4.6	2.3	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	0.315		
(TOK)50PSF2.4S	1/2	5.8	2.9	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	0.315		
(TOK)50PSF2.75S	1	9.2	4.6	3600	2	9 5/16	6 3/8	14 15/16	17 3/16	6 3/8	16	0.315		
Three Phase Model	Motor Output (HP)	Rated Current (A)			S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)	
		208V	220V	460V			575V	Free Standing Models			TOK Guide Rail Models			
		A	B	C			D	E	F					
(TOK)50PSF2.25	1/3	1.65	1.6	0.75	---	3600	2	9 5/16	6 3/8	13 3/4	17 3/16	6 3/8	14 3/4	0.315
(TOK)50PSF2.4	1/2	2.1	2.0	0.95	---	3600	2	9 5/16	6 3/8	14 3/16	17 3/16	6 3/8	15 3/16	0.315
(TOK)50PSF2.75	1	3.2	3.2	1.5	---	3600	2	9 5/16	6 3/8	14 3/4	17 3/16	6 3/8	15 3/4	0.315
(TOK)80PSF21.5	2	6.9	6.6	*3.6	---	3600	3	11 5/8	7 11/16	17 1/8	20 11/16	7 11/16	19 5/16	0.512
(TOK)80PSF22.2	3	9.1	8.5	4.2	3.3	3600	3	12 1/4	8 3/8	22	21 5/16	8 3/8	23 3/8	0.512
(TOK)80PSF23.7	5	14.4	13.4	6.5	5.0	3600	3	12 1/4	8 3/8	23 3/8	21 5/16	8 3/8	24 3/4	0.512

TM Series	Single Phase Model	Motor Output (HP)	Rated Current (A)		S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)	
			115V	230V			Free Standing Models			TOK Guide Rail Models				
			A	B			C	D	E	F				
50TM2.25S	1/3	4.6	2.3	3600	2	9 5/16	6 3/8	14 3/16	N/A	N/A	N/A	0.394		
50TM2.4S	1/2	5.8	2.9	3600	2	9 5/16	6 3/8	14 3/16	N/A	N/A	N/A	0.394		
50TM2.75S	1	9.2	4.6	3600	2	9 5/16	6 3/8	14 15/16	N/A	N/A	N/A	0.394		
Three Phase Model	Motor Output (HP)	Rated Current (A)			S.S. (RPM)	Discharge Size (in.)	Dimensions (in.)						Max. Solids Dia. (in.)	
		208V	220V	460V			575V	Free Standing Models			TOK Guide Rail Models			
		A	B	C			D	E	F					
50TM2.25	1/3	1.65	1.6	0.75	---	3600	2	9 5/16	6 3/8	13 3/4	N/A	N/A	N/A	0.394
50TM2.4	1/2	2.1	2.0	0.95	---	3600	2	9 5/16	6 3/8	14 3/16	N/A	N/A	N/A	0.394
50TM2.75	1	3.2	3.2	1.5	---	3600	2	9 5/16	6 3/8	14 3/4	N/A	N/A	N/A	0.394
80TM21.5	2	6.9	6.6	*3.6	---	3600	3	11 5/8	7 11/16	17 1/8	N/A	N/A	N/A	0.787
80TM22.2	3	9.1	8.5	4.2	3.3	3600	3	12 1/4	8 3/8	22	N/A	N/A	N/A	0.787
80TM23.7	5	14.4	13.4	6.5	5.0	3600	3	12 1/4	8 3/8	23 3/8	N/A	N/A	N/A	0.787