



INDUSTRIAL FLOW SOLUTIONS

TECHNICAL DATA

OW21/2VV

Doc #: DS-A50-039

Rev: 2

Date: 10/13/2021

DESIGN / CONSTRUCTION

Overwatch Body	304L SS
External Hardware	304L SS
Gaskets	Buna-N
Motor Body	Cast Iron
Shaft Seal	Single Mechanical Seal
Impeller	130mm DIPCUT® Impeller Standard (Vortex or Channel optional)
Maximum Solid Size ø	2.5" (65mm)

MOTOR SPECIFICATIONS

Motor Design	2-Pole, 3-Phase Squirrel-Cage Motor 50Hz/60Hz
Motor Type	TEFC, IP67
Insulation Class	Class F
Motor Protection	Protected by VFD
Service Factor	1.15
Maximum Ambient Temp.	104°F (40°C)
Voltage Tolerance	±10%

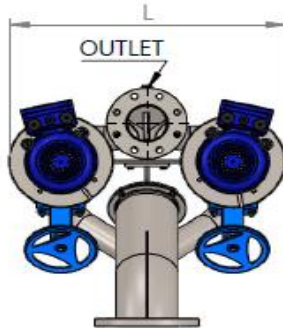
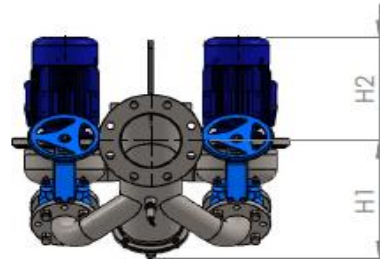
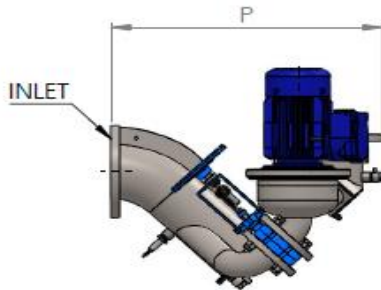
MOTOR DATA

Rated Power	230V FLA	460V FLA	575V FLA	Weight *
3kW / 4HP	12.8	6.4	5.1	220lb (110kg)
4kW / 5.4HP	15.6	7.8	6.2	275lb (125kg)
5.5kW / 7.4HP	20.8	10.4	8.3	320lb (145kg)

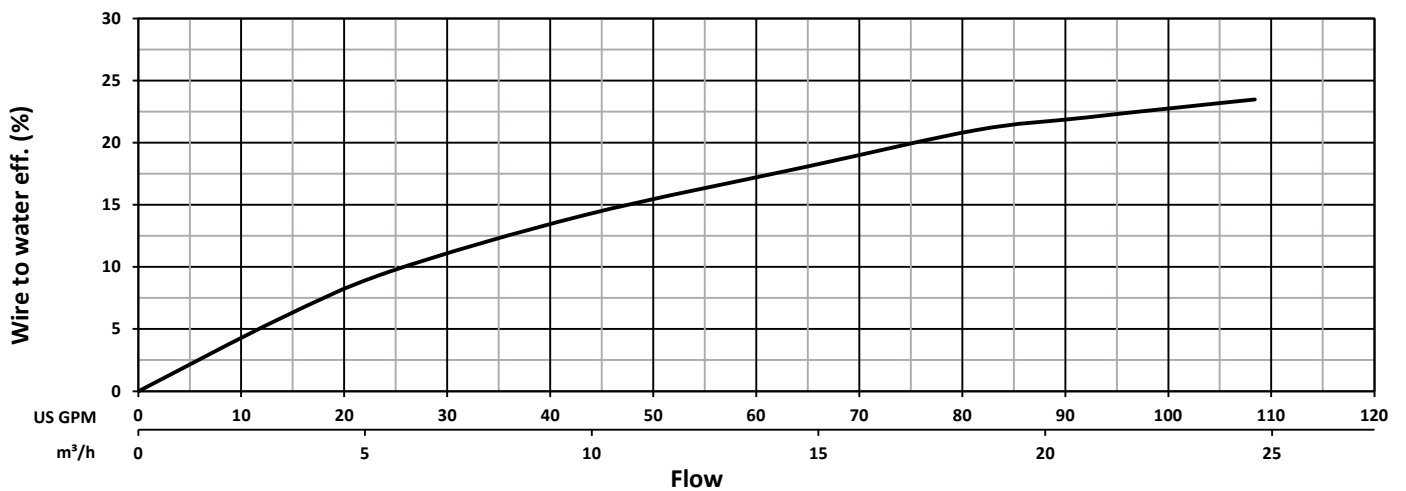
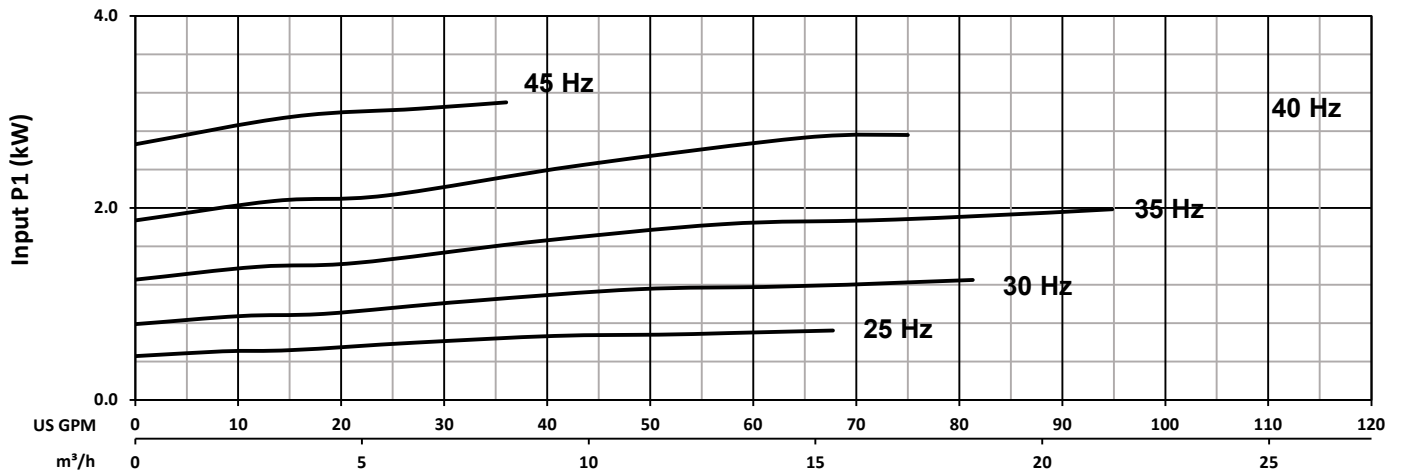
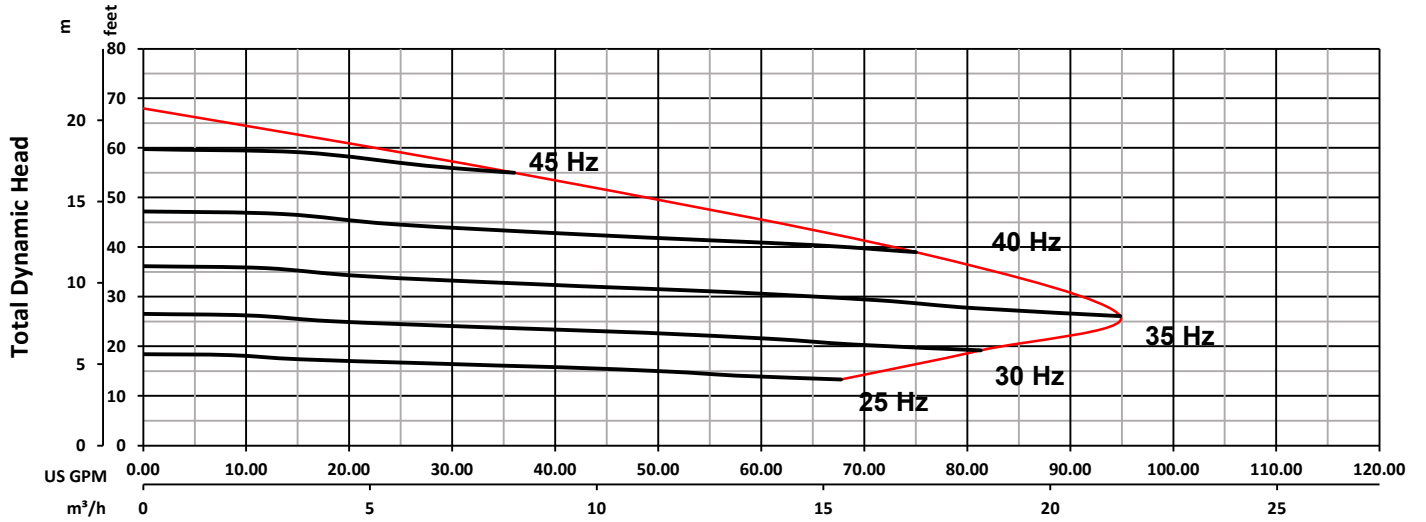
DIMENSIONS (largest motor)


Inlet	6" ANSI 150#
Outlet	4" ANSI 150#
H1	13.7" (349mm)
H2	10.1" (256mm)
L	29.8" (756mm)
P	26.8" (680mm)

* Total weight of unit

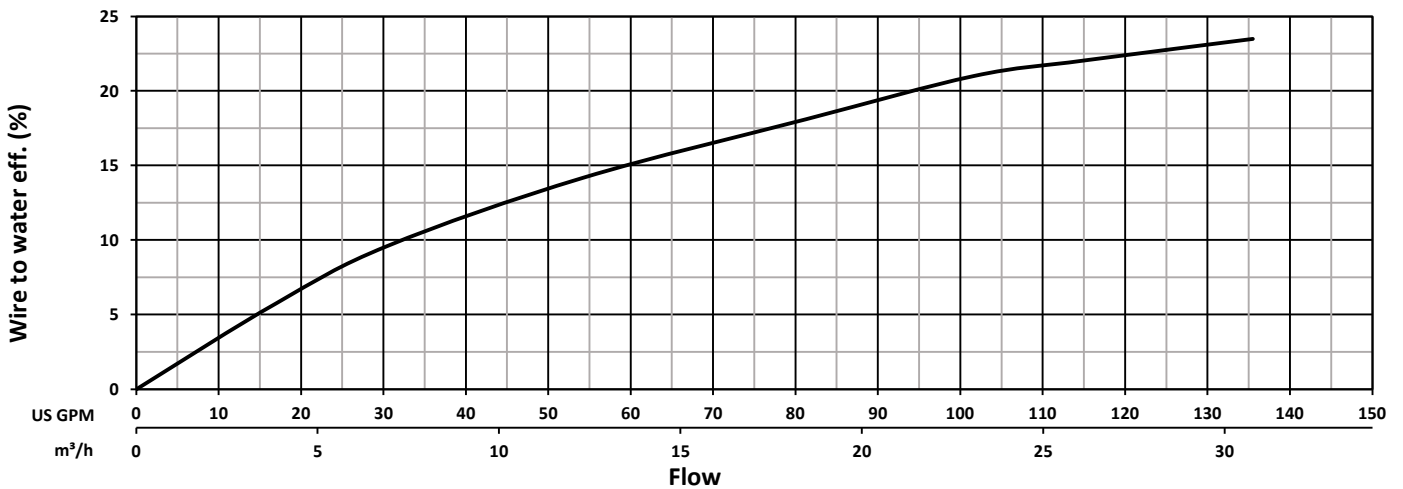
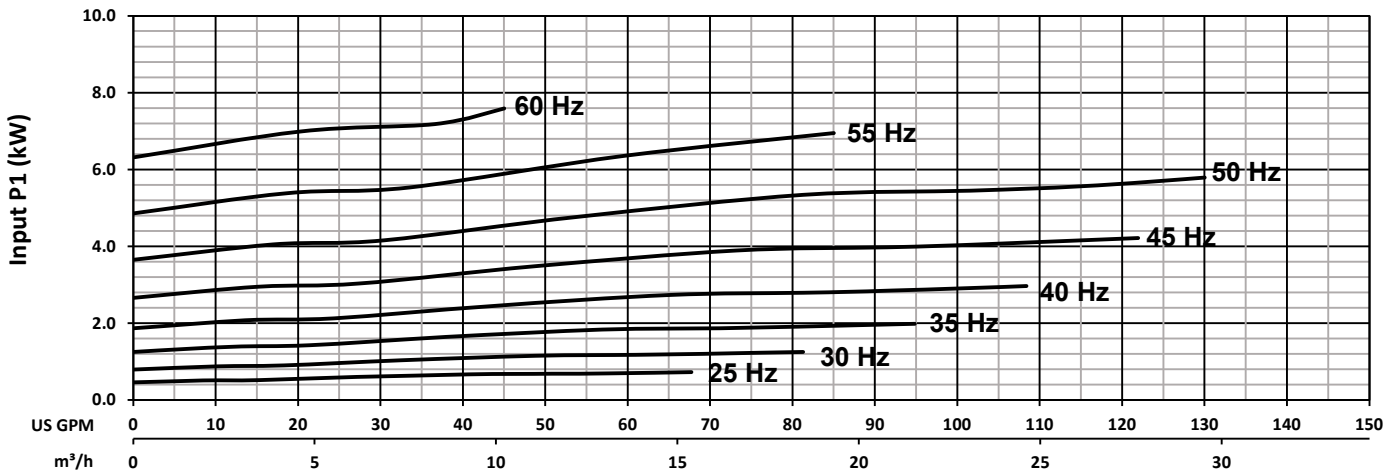
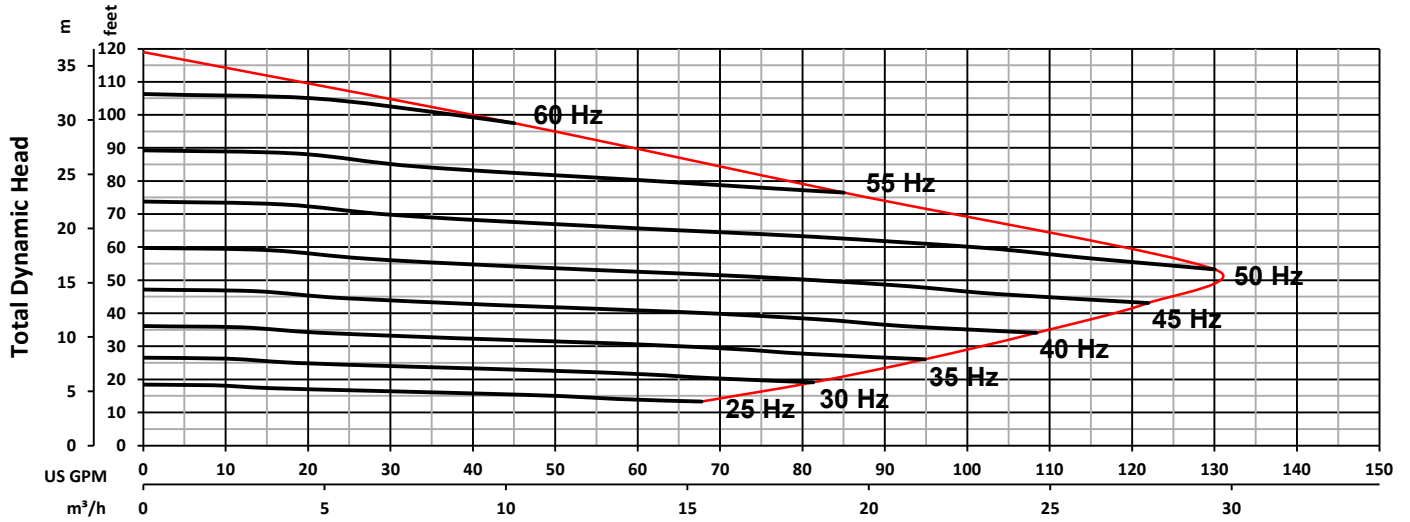



PERFORMANCE CURVE OW21-2VV VX 3kW



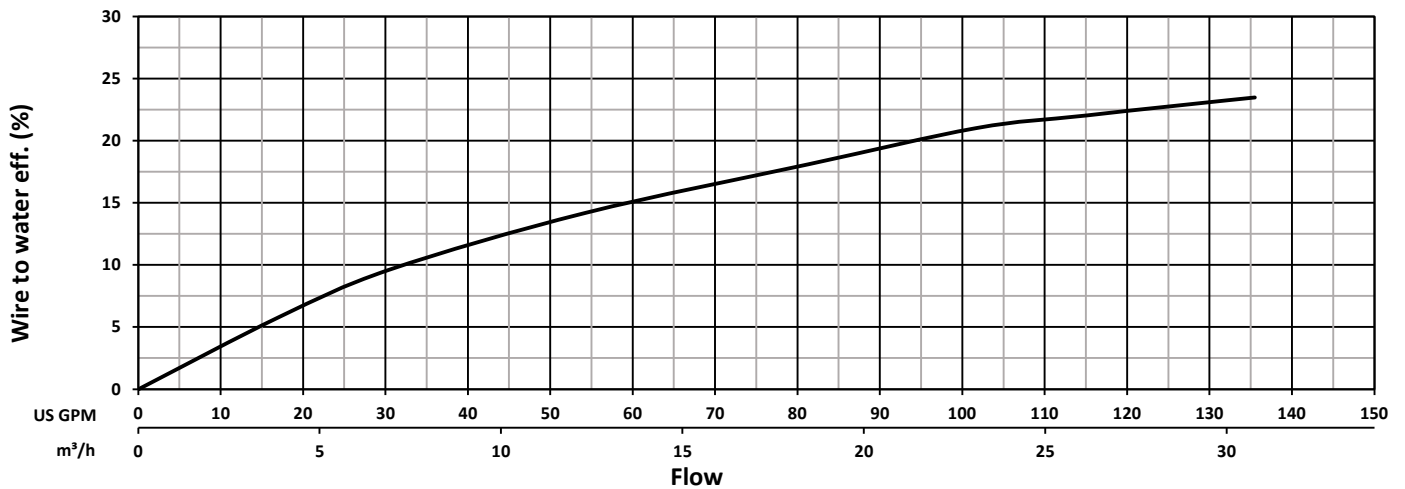
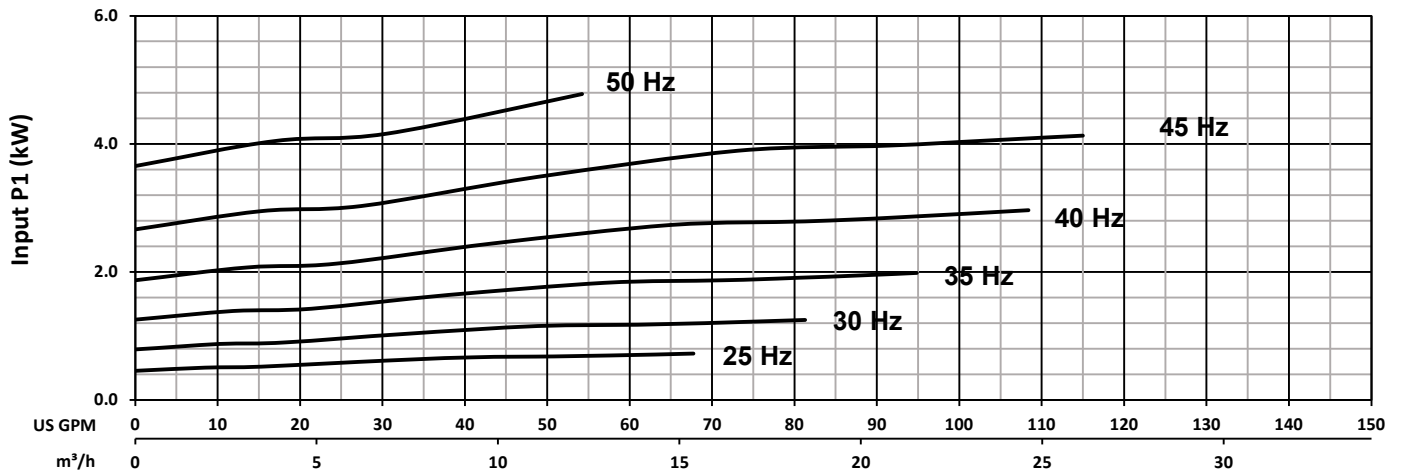
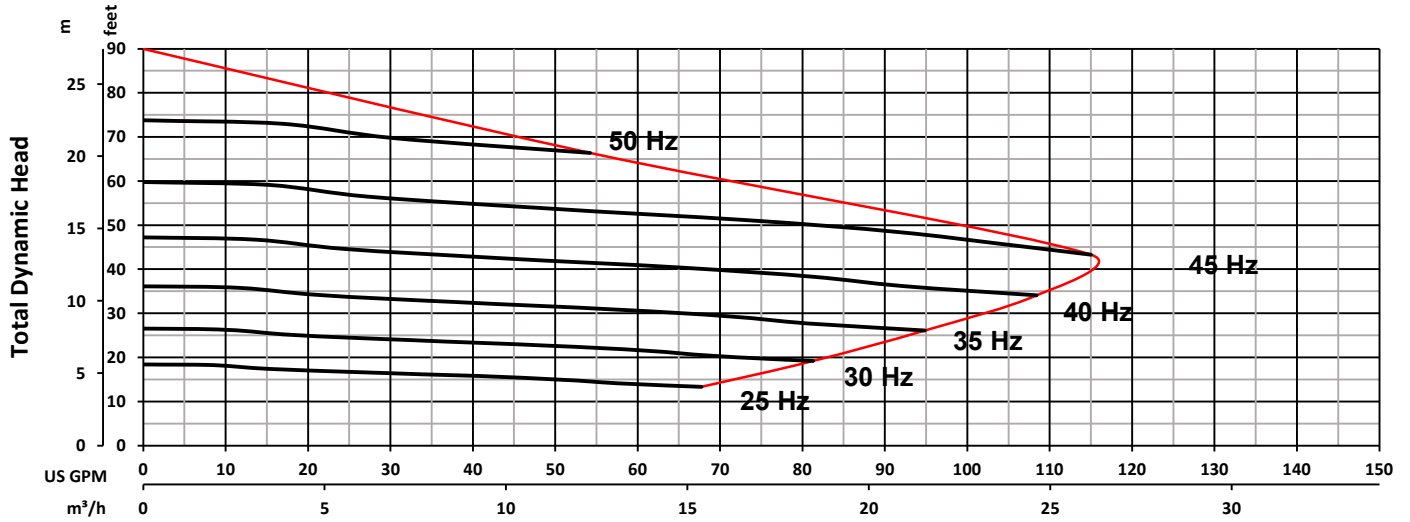
 INDUSTRIAL FLOW SOLUTIONS	PERFORMANCE CURVE OW21-2VV VX 3kW			DS-A50-174	
	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW21-2VV		Rev ___ SCID
		Motor	3kW / 4HP	Poles	2
		Impeller Ø	130x30x15mm	Specifications subject to change without notice	
				Date 3/9/2021	


PERFORMANCE CURVE OW21-2VV VX 5.5kW



 INDUSTRIAL FLOW SOLUTIONS	PERFORMANCE CURVE OW21-2VV VX 5.5kW			DS-A50-004	
	Tested with clean water Test Standard : HI 11.6 Gr 3B		Model	OW21-2VV	
			Motor	5.5kW / 7.4HP	Poles 2
	Impeller Ø	130x30x15mm	Date 3/8/2021 Specifications subject to change without notice		

PERFORMANCE CURVE OW21-2VV VX 4kW



 INDUSTRIAL FLOW SOLUTIONS	PERFORMANCE CURVE OW21-2VV VX 4kW			DS-A50-003			
	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW21-2VV		Rev	1 SCID	
		Motor	4kW / 5.4HP	Poles	2	Date	3/8/2021
		Impeller Ø	130x30x15mm	Specifications subject to change without notice			