



INDUSTRIAL FLOW SOLUTIONS

TECHNICAL DATA

OW151/4VV

Doc #: DS-A50-050

Rev: 1

Date: 6/5/2020

DESIGN / CONSTRUCTION

Overwatch Body	304L SS
External Hardware	304L SS
Gaskets	Buna-N
Motor Body	Cast Iron
Shaft Seal	Single Mechanical Seal
Impeller	315mm T4 Impeller Standard
Maximum Solid Size ϕ	6" (150mm)

MOTOR SPECIFICATIONS

Motor Design	4-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%

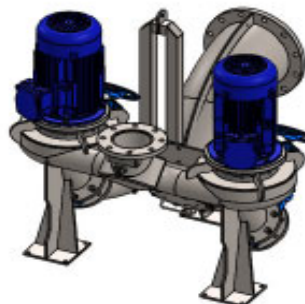
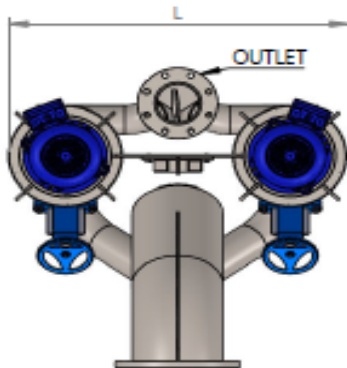
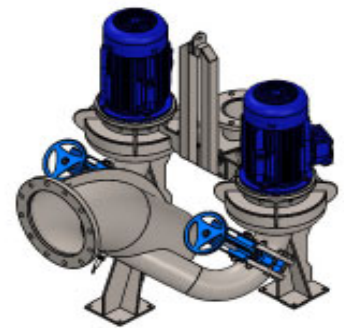
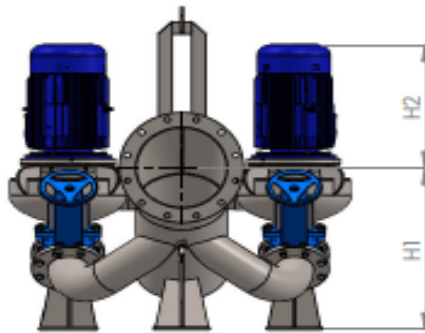
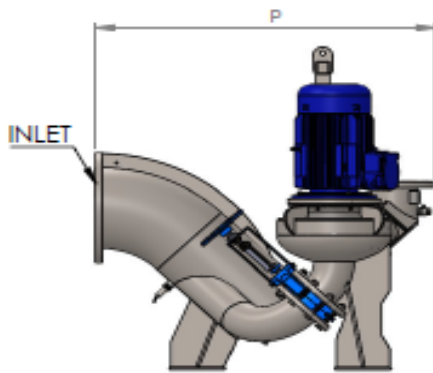
MOTOR DATA

Rated Power	230V FLA	460V FLA	575V FLA	Weight *
22kW / 29.5HP	--	41.3	33	1764lb (800kg)
30kW / 40.2HP	--	54.4	43.5	1918lb (870kg)
37kW / 49.6HP	--	66.5	53.2	2239lb (1060kg)
45kW / 60.3HP	--	82	65.6	2372lb (1076kg)

DIMENSIONS (largest motor)

Inlet	12" ANSI 150#
Outlet	8" ANSI 150#
H1	30" (761mm)
H2	30" (767mm)
L	65" (1651mm)
P	60" (1495mm)

* Total weight of unit



Specifications subject to change without notice

Do not use for construction purposes



INDUSTRIAL FLOW SOLUTIONS

TECHNICAL DATA

OW151/6VV

Doc #: DS-A50-049

Rev: 1

Date: 4/24/2020

DESIGN / CONSTRUCTION

Body	304L SS
External Hardware	304L SS
Gaskets	Buna-N
Motor Body	Cast Iron
Shaft Seal	Single Mechanical Seal
Impeller	270mm Vortex Impeller Standard (260mm for 11kW)
Maximum Solid Size \varnothing	6" (150mm)

MOTOR SPECIFICATIONS

Motor Design	6-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%

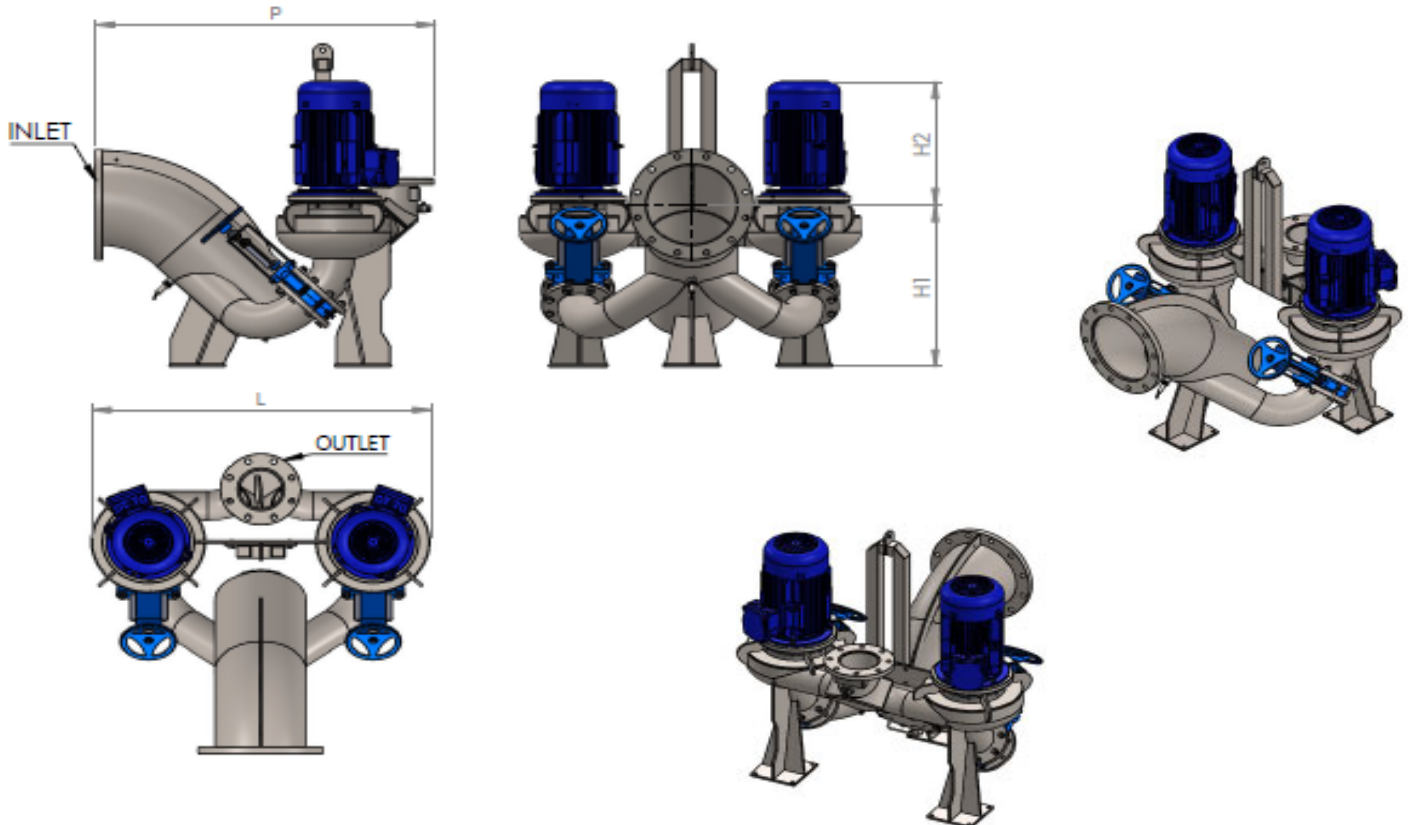
MOTOR DATA

Rated Power	230V FLA	460V FLA	575V FLA	Weight *
11kW / 14.8HP	47	23.5	18.8	1918lb (870kg)
15kW / 20.1HP	--	31	24.8	2156lb (980kg)
18.5kW / 24.8HP	--	36	28.8	2174lb (988kg)
22kW / 29.5HP	--	43	34.4	2218lb (1008kg)

DIMENSIONS (largest motor)

Inlet	12" ANSI 150#
Outlet	8" ANSI 150#
H1	30" (761mm)
H2	30" (767mm)
L	65" (1651mm)
P	60" (1495mm)

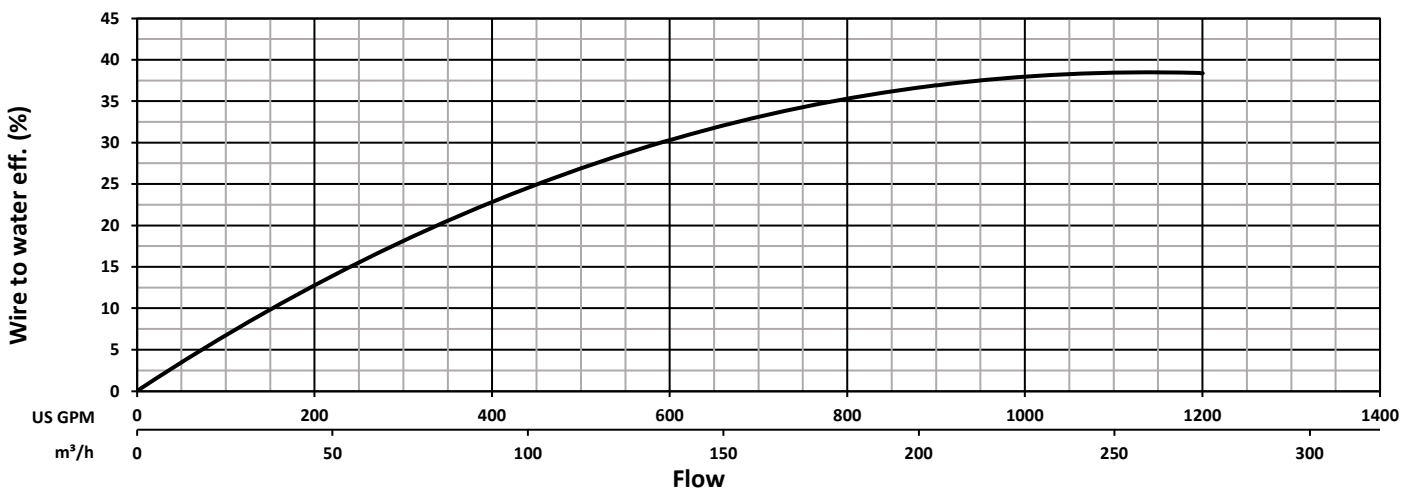
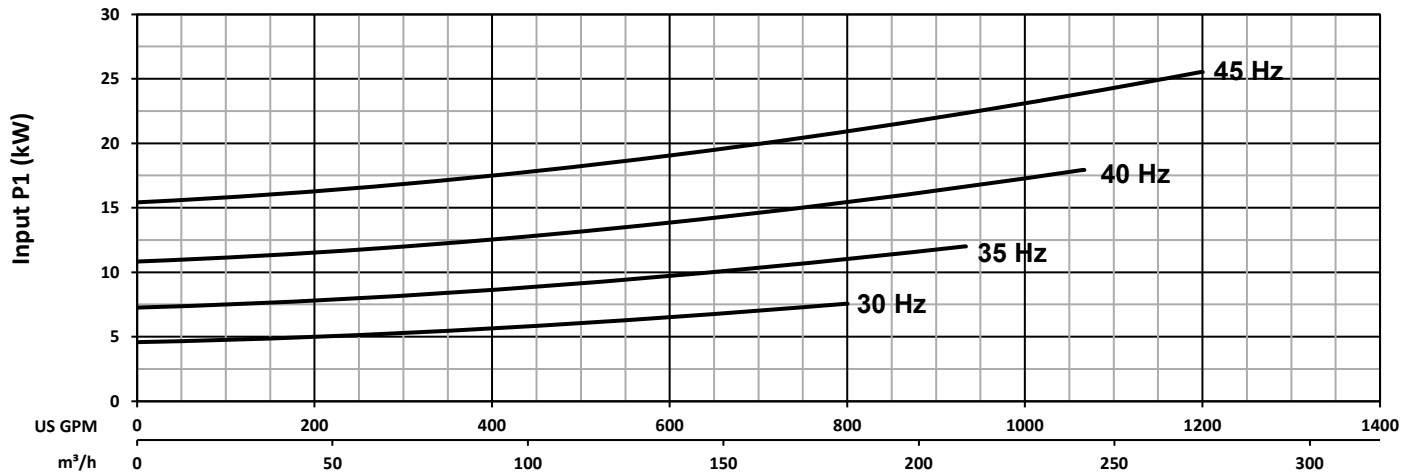
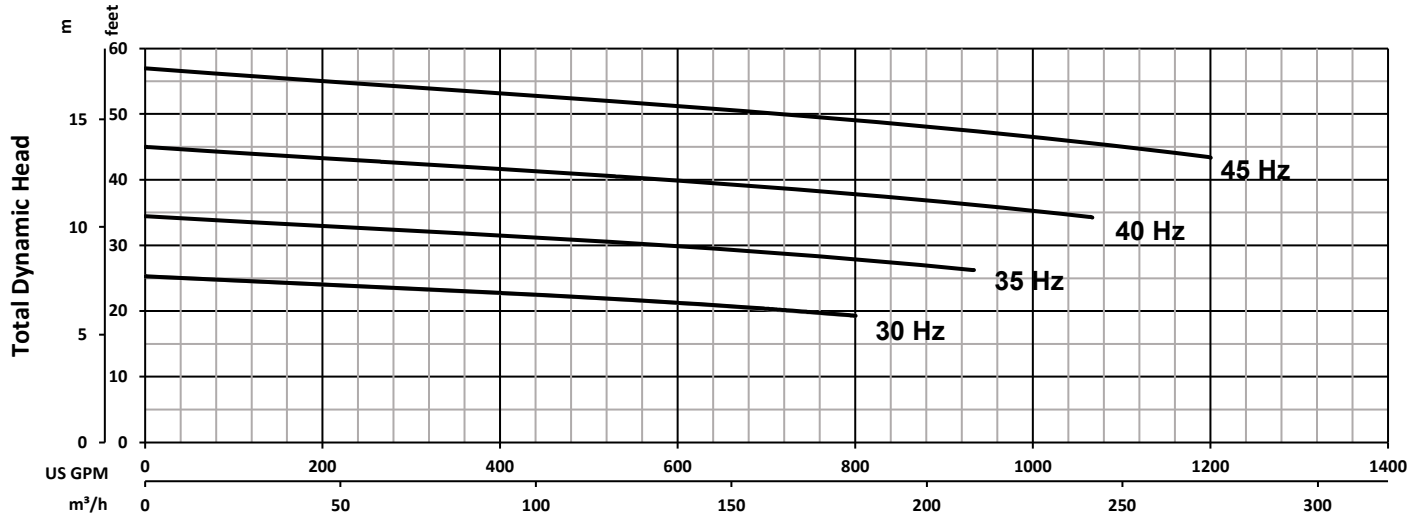
* Total weight of unit




Specifications subject to change without notice

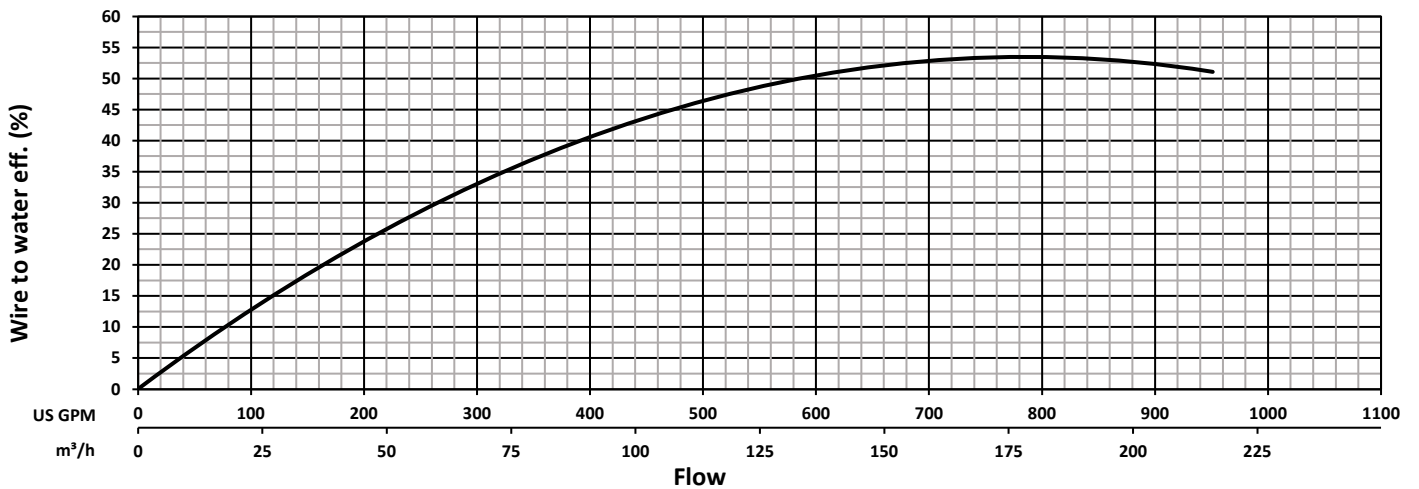
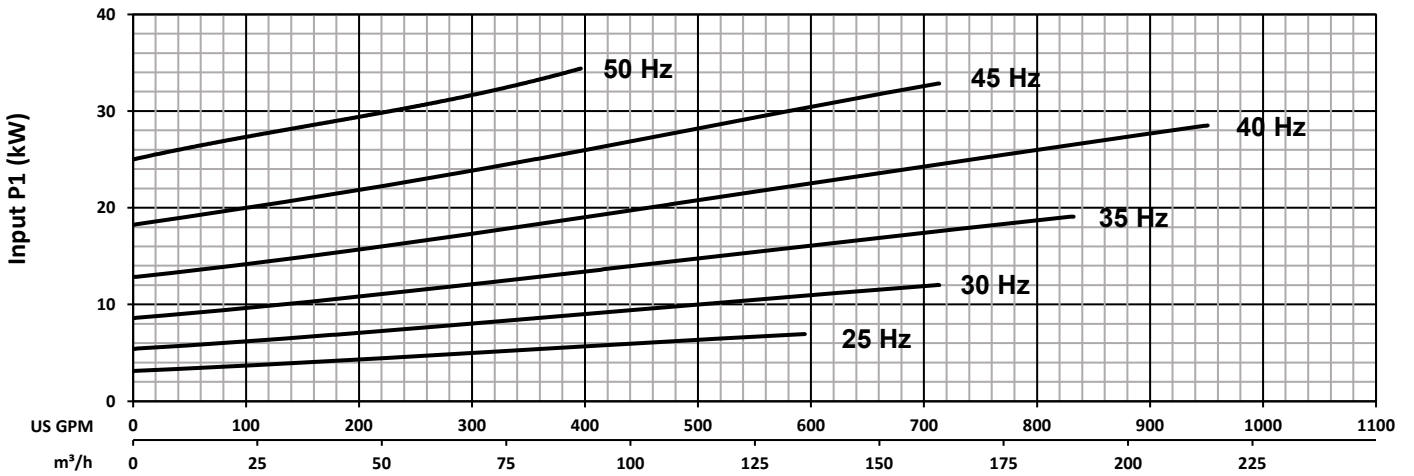
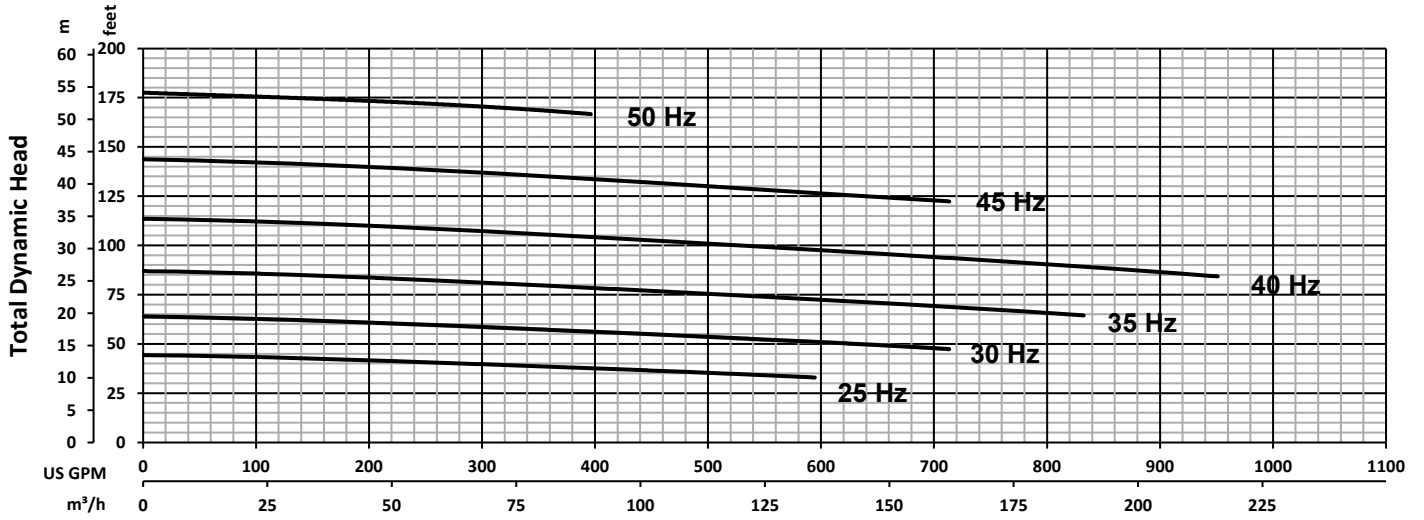
Do not use for construction purposes


PERFORMANCE CURVE OW151-4VV 22.0kW



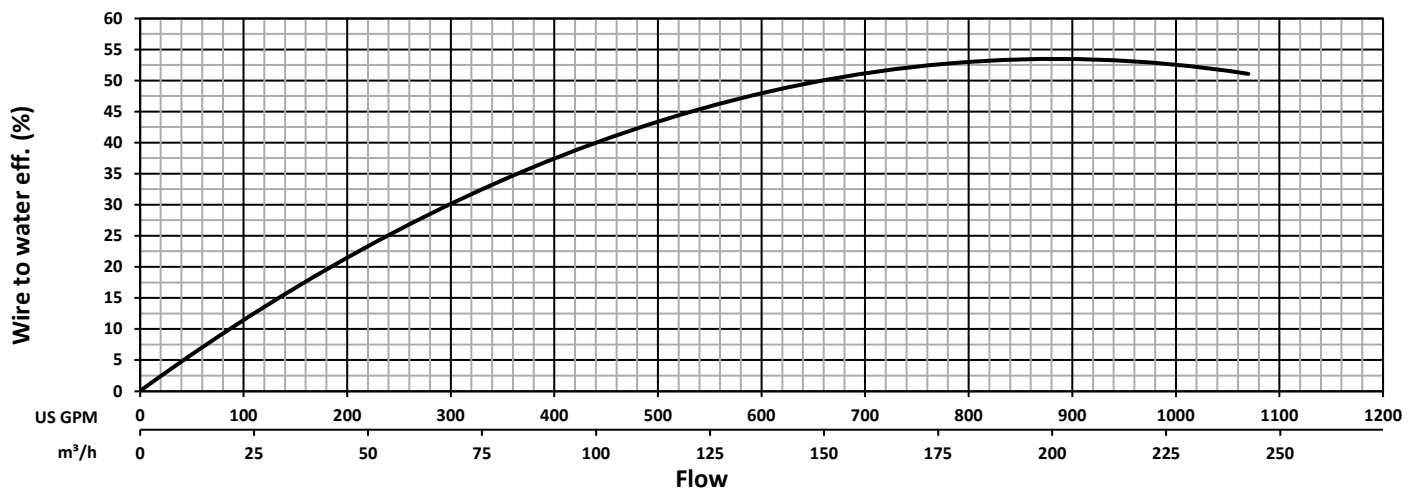
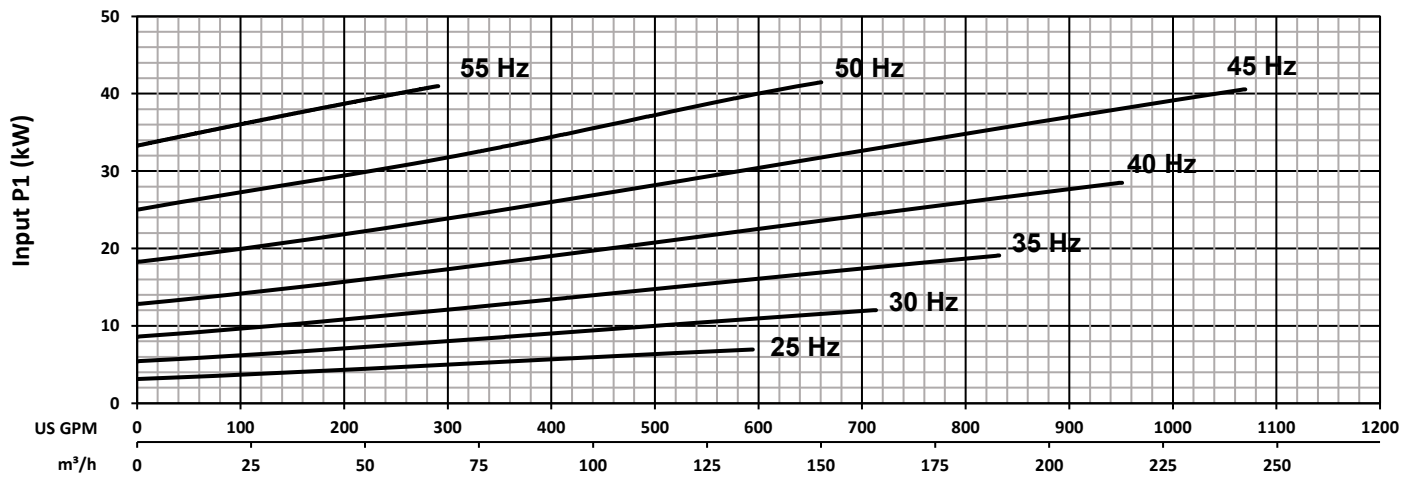
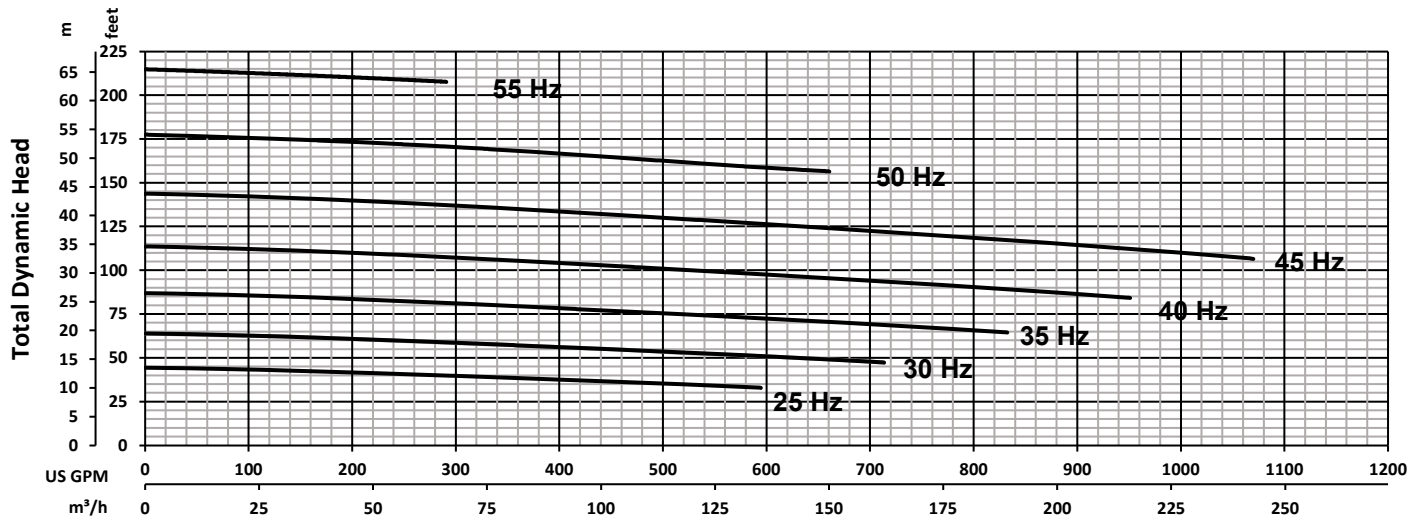
	PERFORMANCE CURVE			DS-A50-089	
	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW151-4VV 22.0kW		Rev --
		Motor	22.0kW/29.5 HP	Poles 4	Date 6/11/2020
		Impeller Ø	T2 260mm	Specifications subject to change without notice	


PERFORMANCE CURVE OW151-4VV 30.0kW



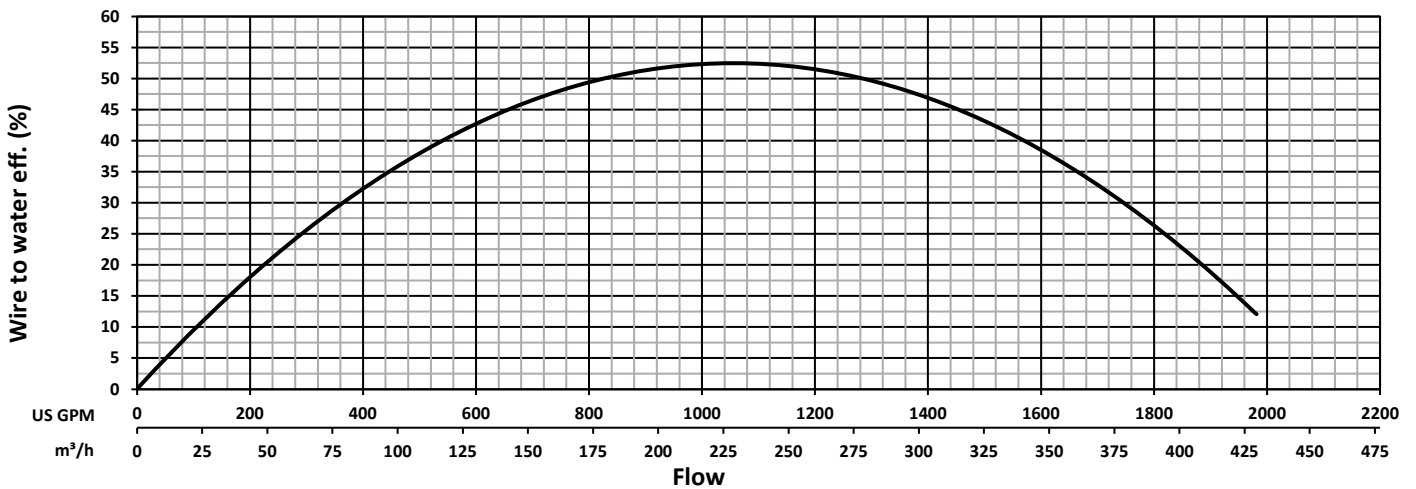
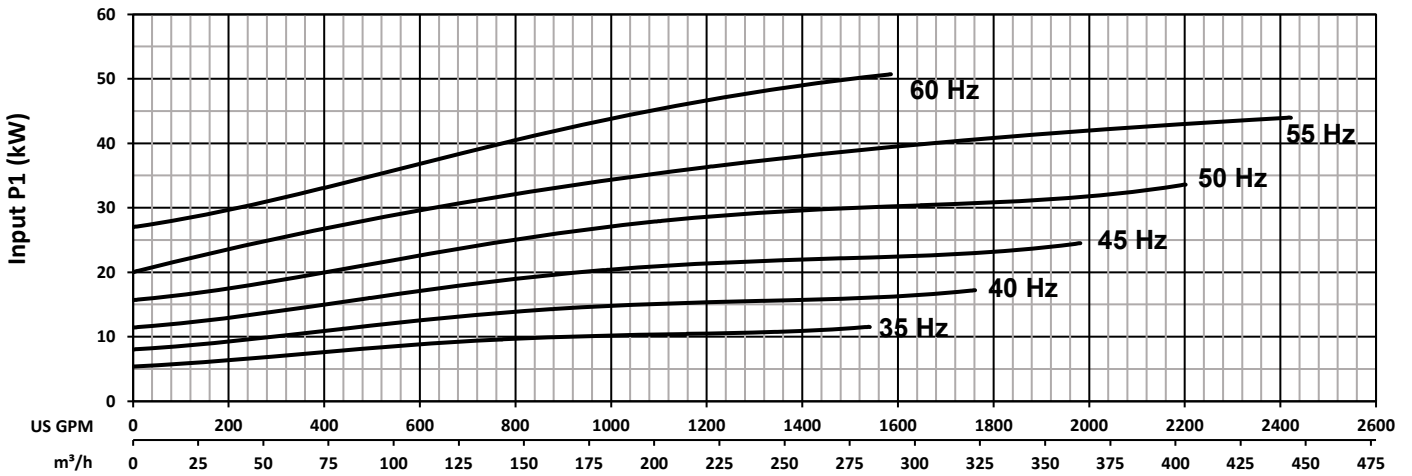
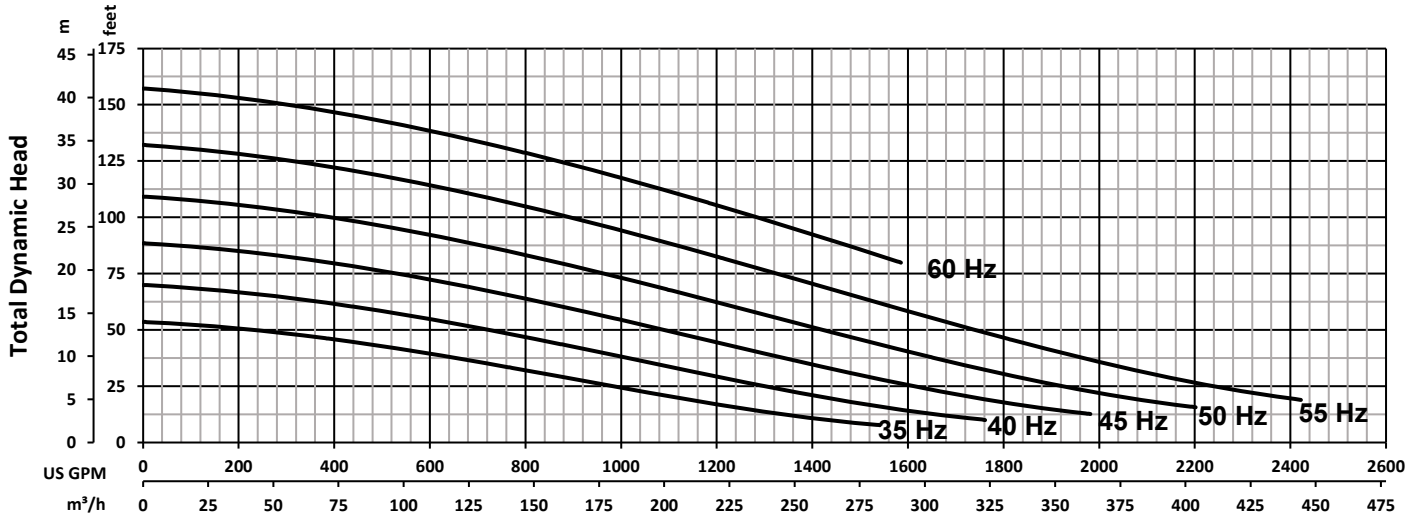
 INDUSTRIAL FLOW SOLUTIONS	PERFORMANCE CURVE			DS-A50-034	
	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW151-4VV 30.0kW		Rev --
		Motor	30kW / 40.2HP	Poles 4	Date 2/27/2020
		Impeller Ø	315mm	Specifications subject to change without notice	


PERFORMANCE CURVE OW151-4VV 37.0kW



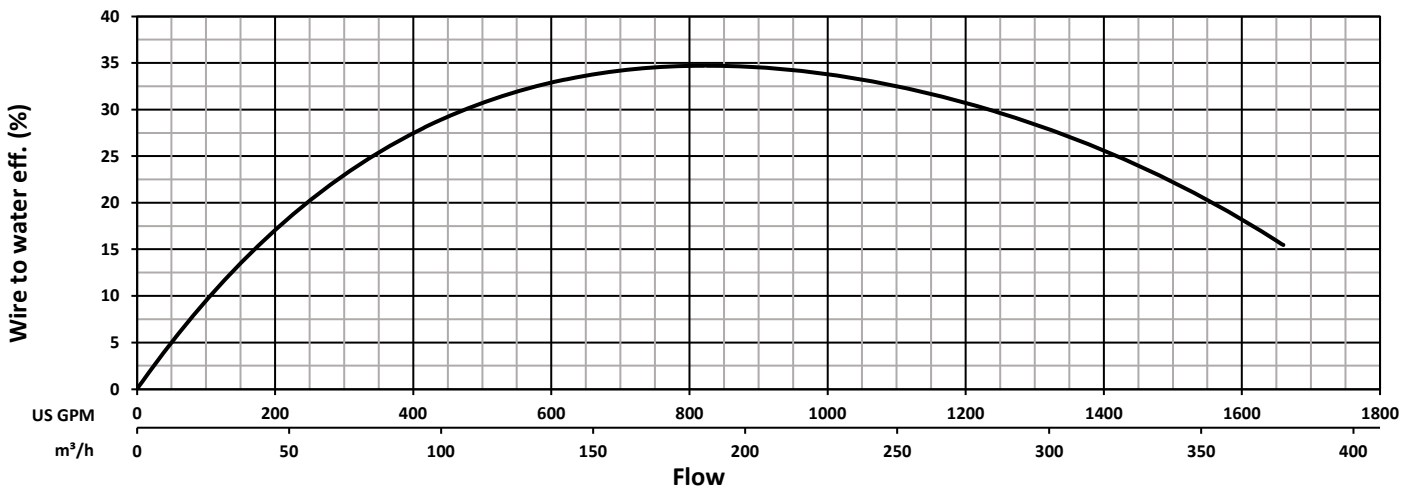
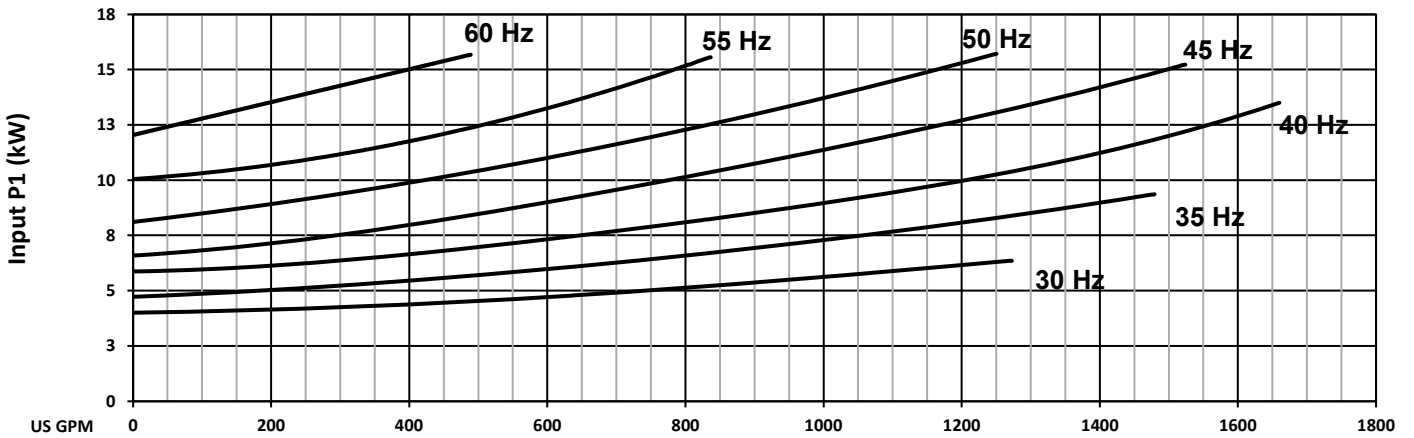
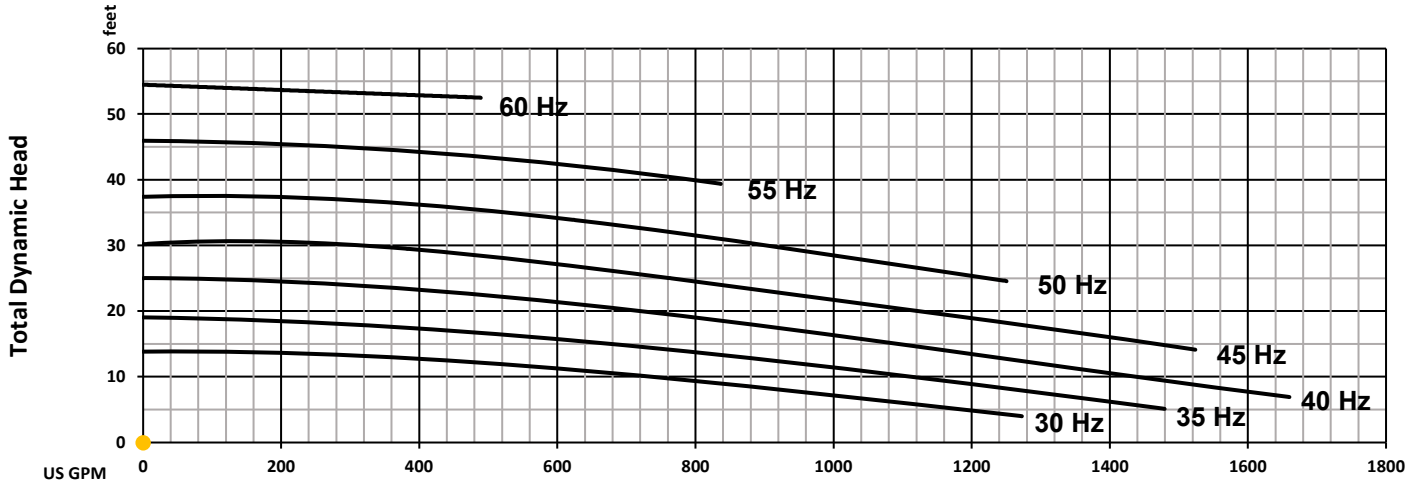
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	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW151-4VV 37.0kW		Rev --
		Motor	37kW / 49.6HP	Poles 4	Date 2/27/2020
		Impeller Ø	270mm	Specifications subject to change without notice	


PERFORMANCE CURVE OW151-4VV 45.0kW



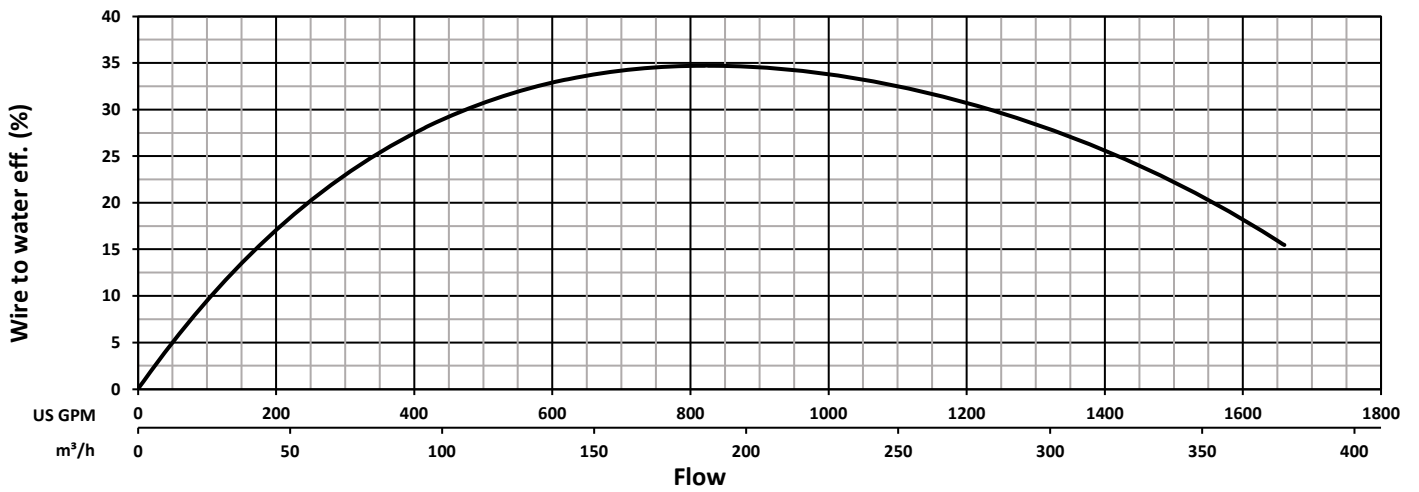
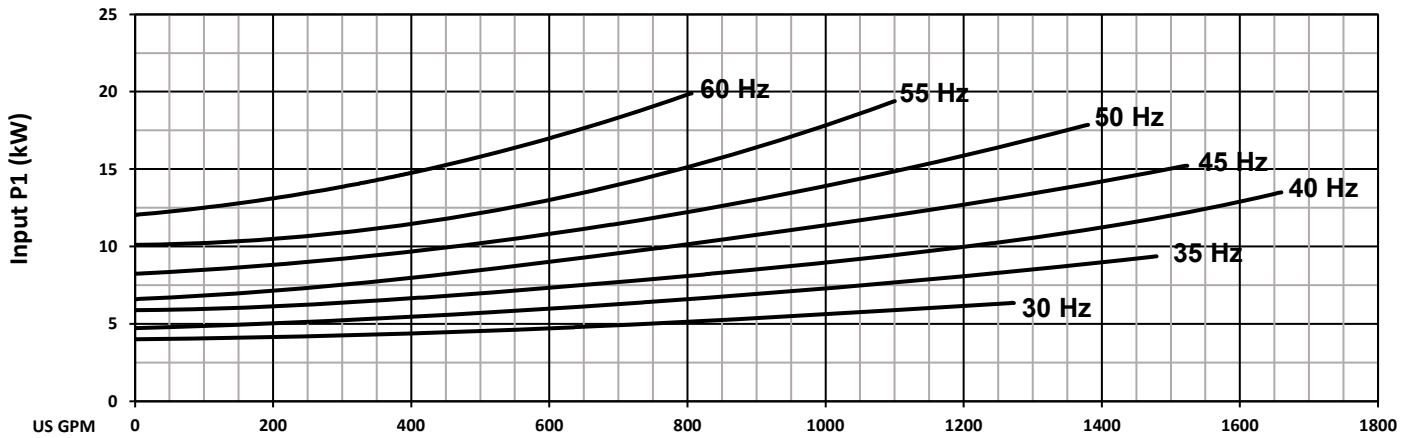
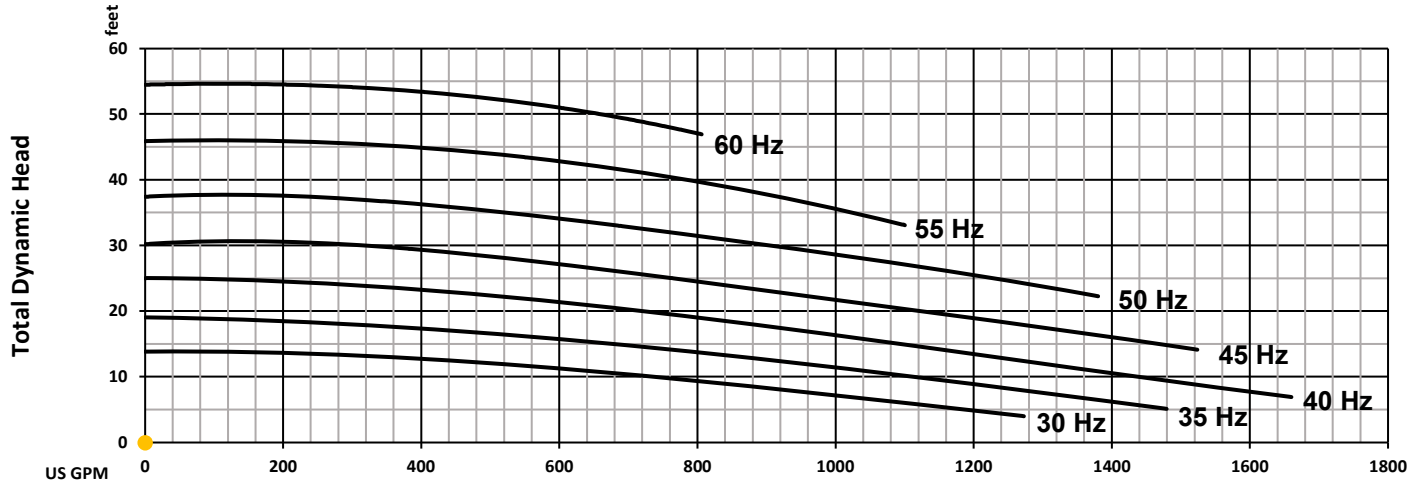
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			Motor	45.0 kW/60 HP
			Poles	4
		Impeller Ø	315mm	Rev -- Date 2/27/2020 Specifications subject to change without notice


PERFORMANCE CURVE OW151-6VV 15.0kW



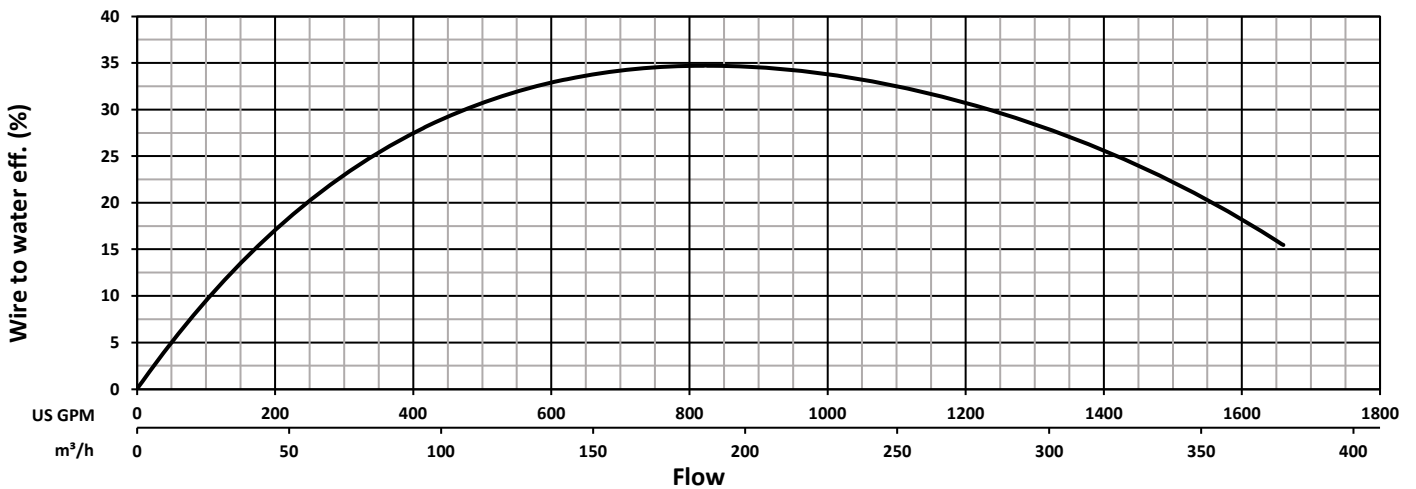
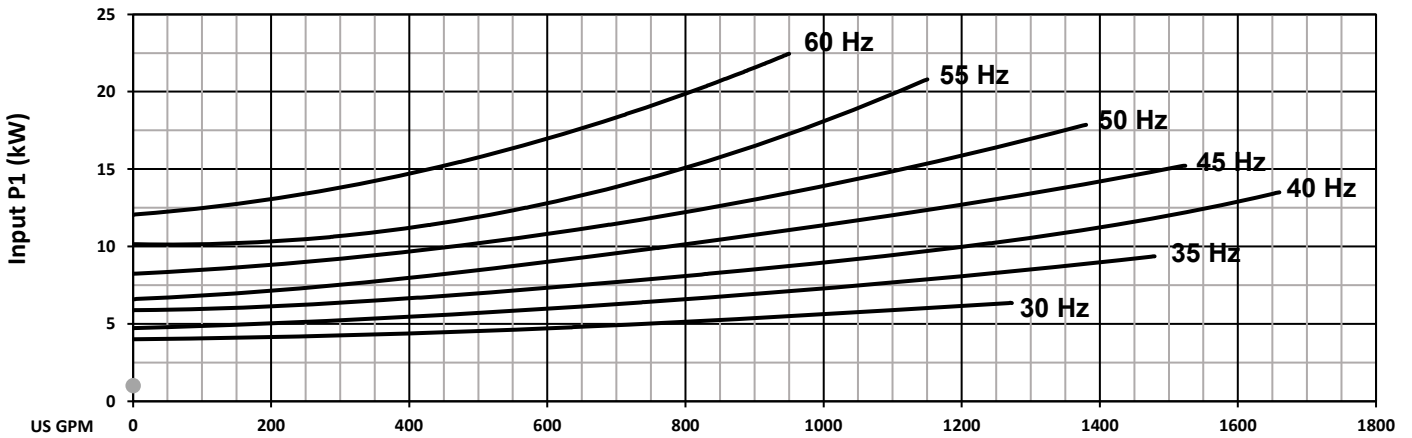
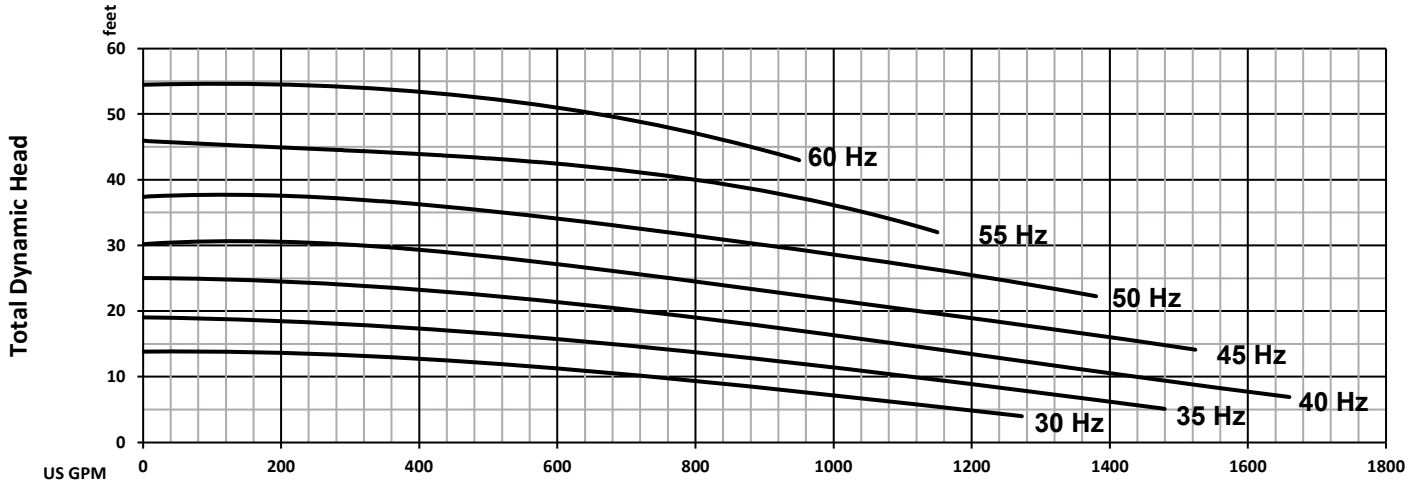
	PERFORMANCE CURVE			DS-A50-055	
	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW151-6VV 15.0kW		Rev --
		Motor	15.0kW/20.1 HP	Poles 6	Date 4/8/2020
		Impeller Ø	270-80-40 270mm	Specifications subject to change without notice	


PERFORMANCE CURVE OW151-6VV 18.5kW



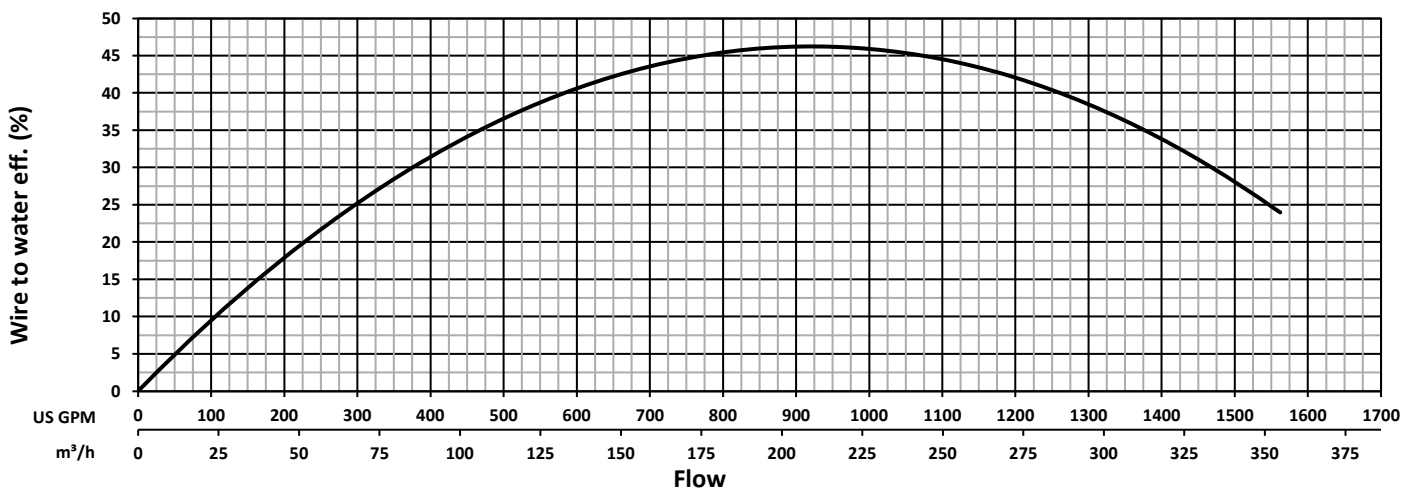
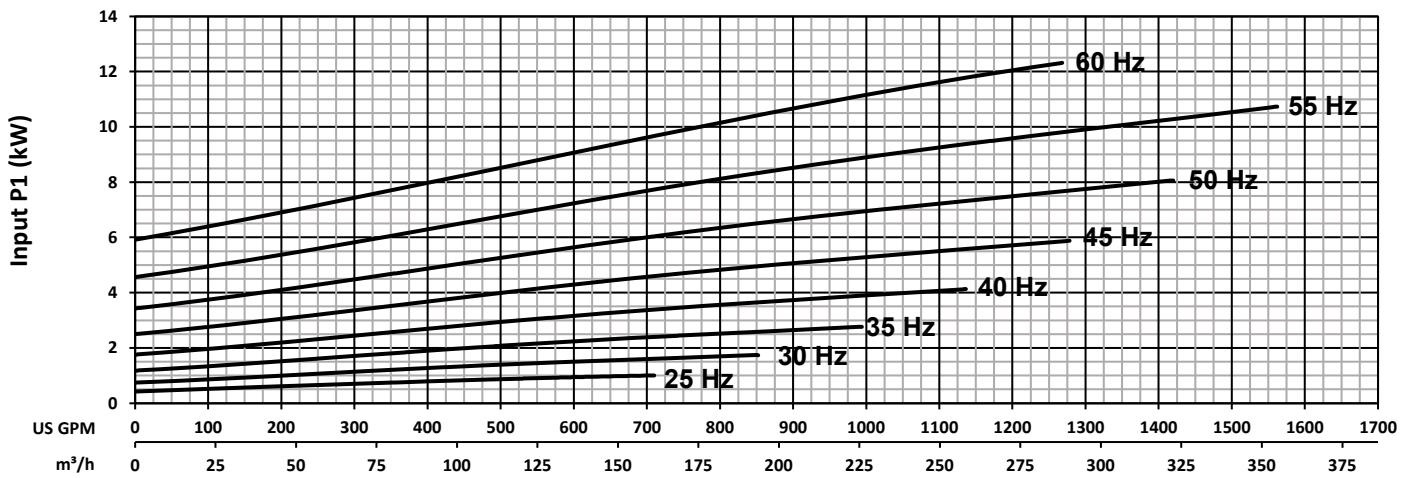
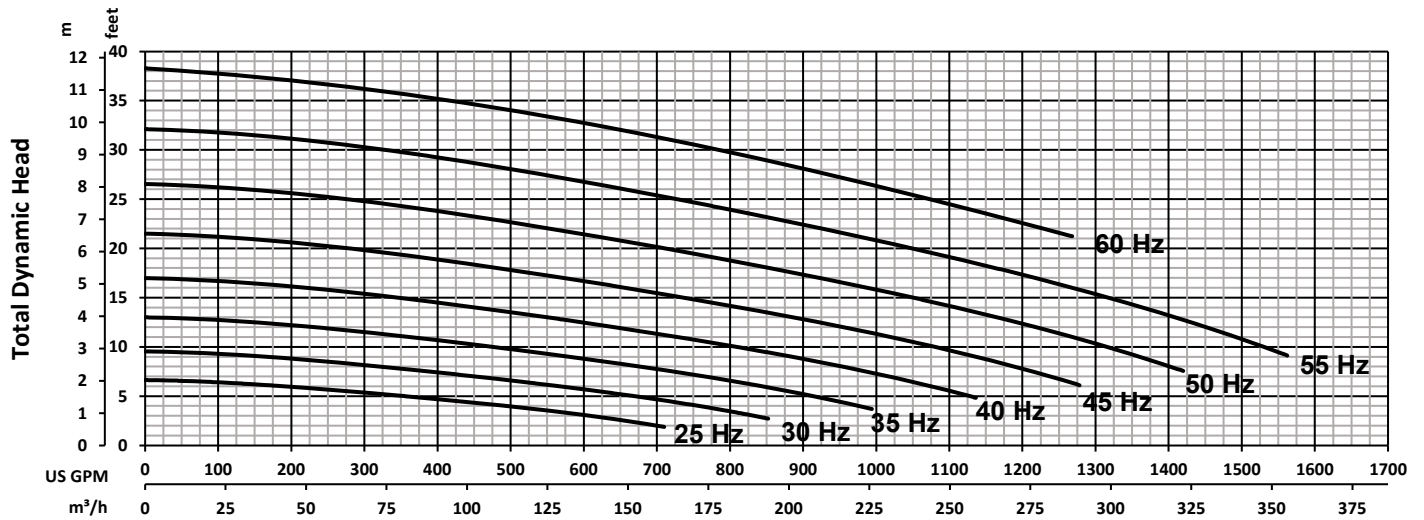
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	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW151-6VV 18.5kW		Rev --
		Motor	18.5kW/24.8 HP	Poles 6	Date 3/15/2020
		Impeller Ø	270-80-40 270mm		Specifications subject to change without notice


PERFORMANCE CURVE OW151-6VV 22.0kW



	PERFORMANCE CURVE			DS-A50-057	
	Tested with clean water Test Standard : HI 11.6 Gr 3B	Model	OW151-6VV 22.0kW		Rev --
		Motor	22.0kW/29.5 HP	Poles 6	Date 4/2/2020
		Impeller Ø	270-80-40 270mm	Specifications subject to change without notice	

PERFORMANCE CURVE OW151-8VV 11.0kW



 INDUSTRIAL FLOW SOLUTIONS	PERFORMANCE CURVE			DS-A50-062	
	Tested with clean water Test Standard : HI 11.6 Gr 3B		Model	OW151-8VV 11.0kW	
			Motor	11kW / 14.75HP	Poles 8
	Impeller Ø	260X70X40 260mm	Rev -- Date 5/22/2020 Specifications subject to change without notice		