



INDUSTRIAL FLOW SOLUTIONS

# TECHNICAL DATA

# OW101H/4VV

Doc #: DS-A50-047

Rev: 1

Date: 5/4/2020

## DESIGN / CONSTRUCTION

Body	304L SS
External Hardware	304L SS
Gaskets	Buna-N
Motor Body	Cast Iron
Shaft Seal	Single Mechanical Seal
Impeller	250 or 305mm Vortex Impeller Standard
Maximum Solid Size $\phi$	4" (100 mm)

## 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%

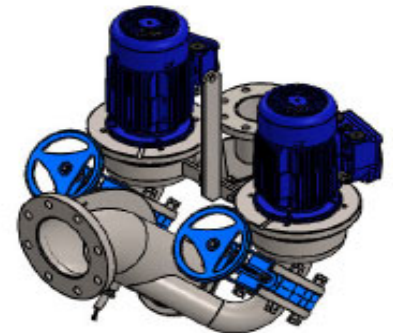
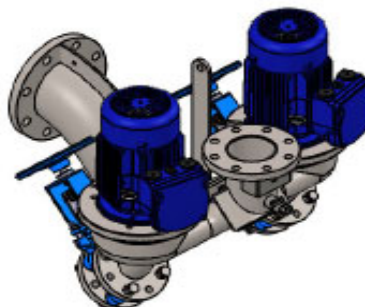
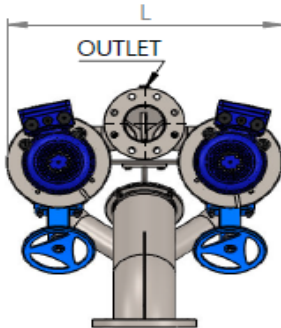
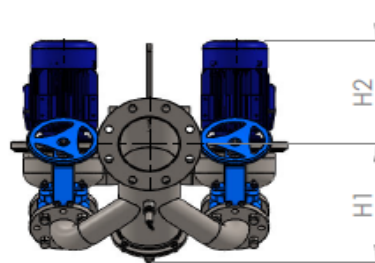
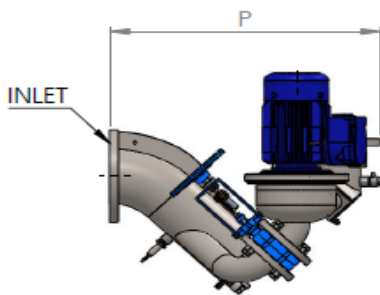
## MOTOR DATA

Rated Power	230V FLA	460V FLA	575V FLA	Weight *
18.5kW / 24.8HP	--	35	28	1709lb (777kg)
22kW / 29.5HP	--	40.5	32.4	1802lb (819kg)
30kW / 40.2HP	--	53.4	42.7	1868lb (849kg)
37kW / 49.6HP	--	66.6	53.3	2141lb (973kg)
45kW / 60.3HP	--	80.5	64.4	2493lb (1133kg)
55kW / 73.7HP	--	98	78.4	2889lb (1313kg)

## DIMENSIONS (largest motor)

Inlet	8" ANSI 150#
Outlet	6" ANSI 150#
H1	18" (457mm)
H2	17.1" (434mm)
L	40.6" (1031mm)
P	37" (943mm)

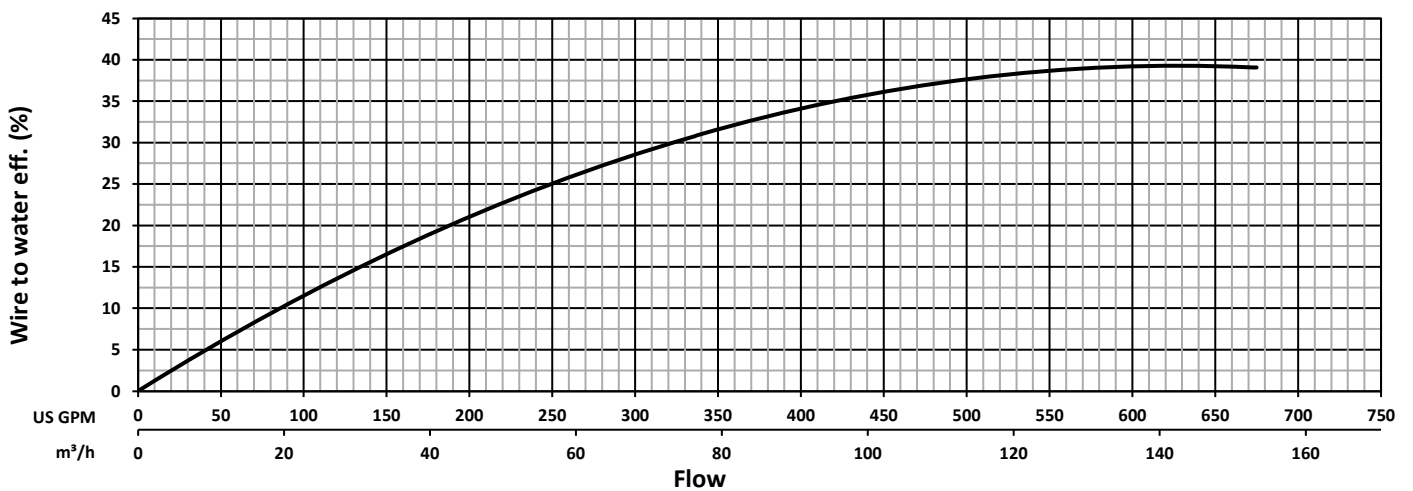
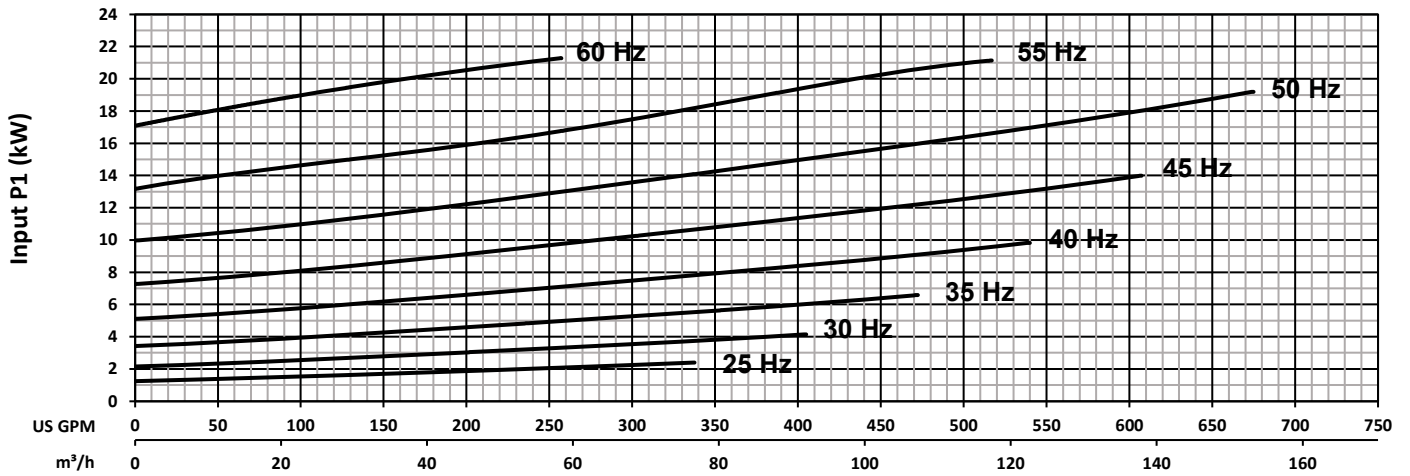
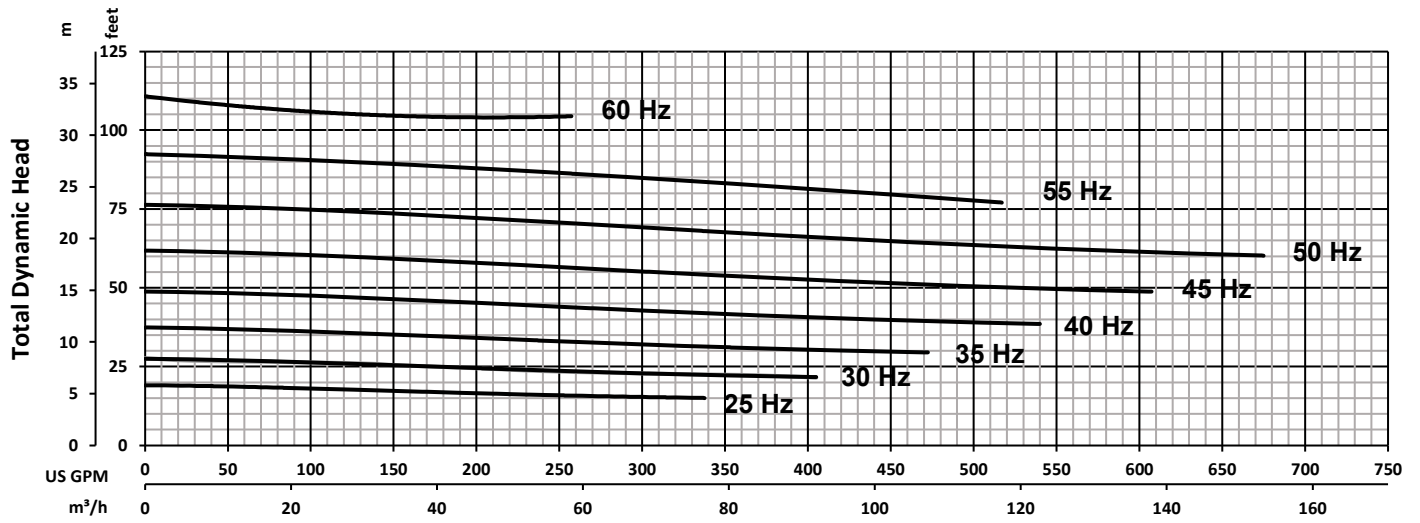
\* Total weight of unit




Specifications subject to change without notice

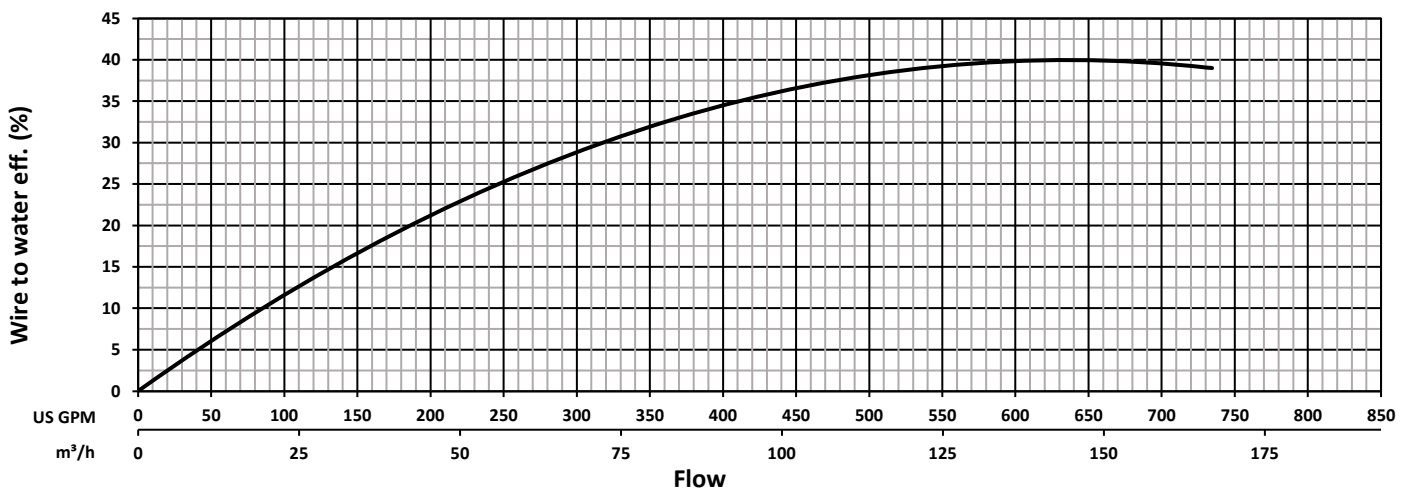
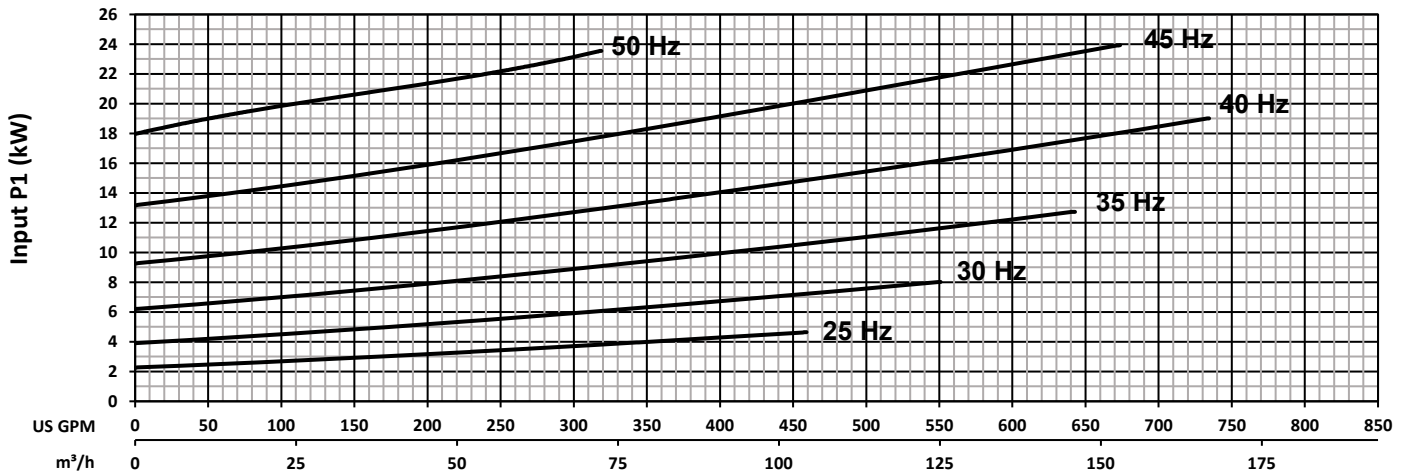
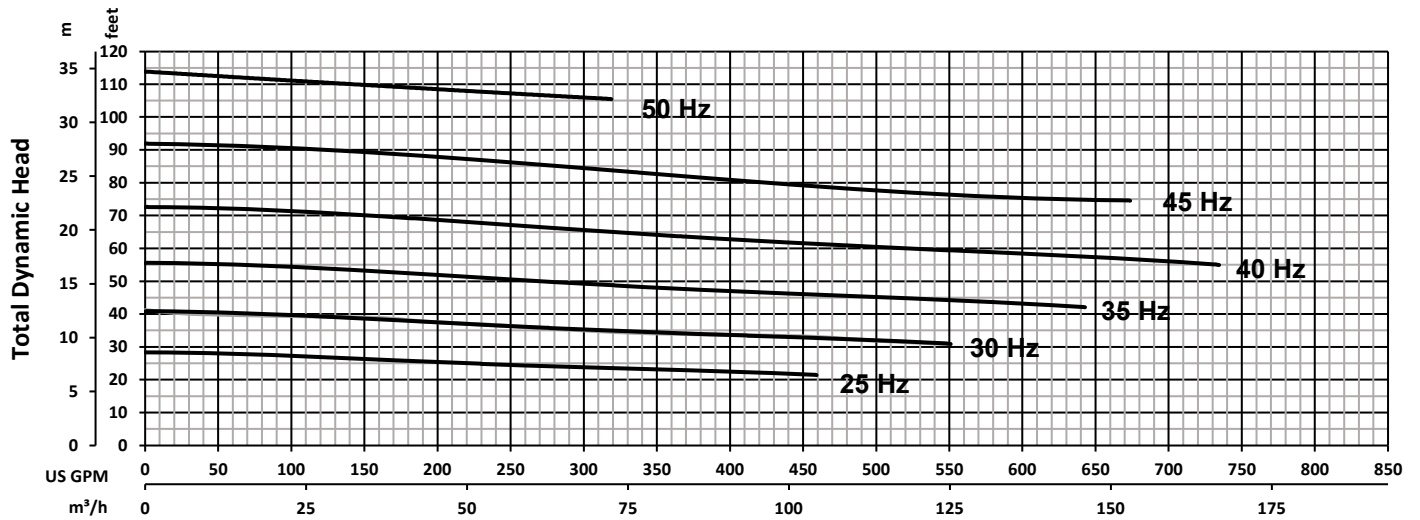
Do not use for construction purposes


# PERFORMANCE CURVE OW101H-4VV 18.5kW



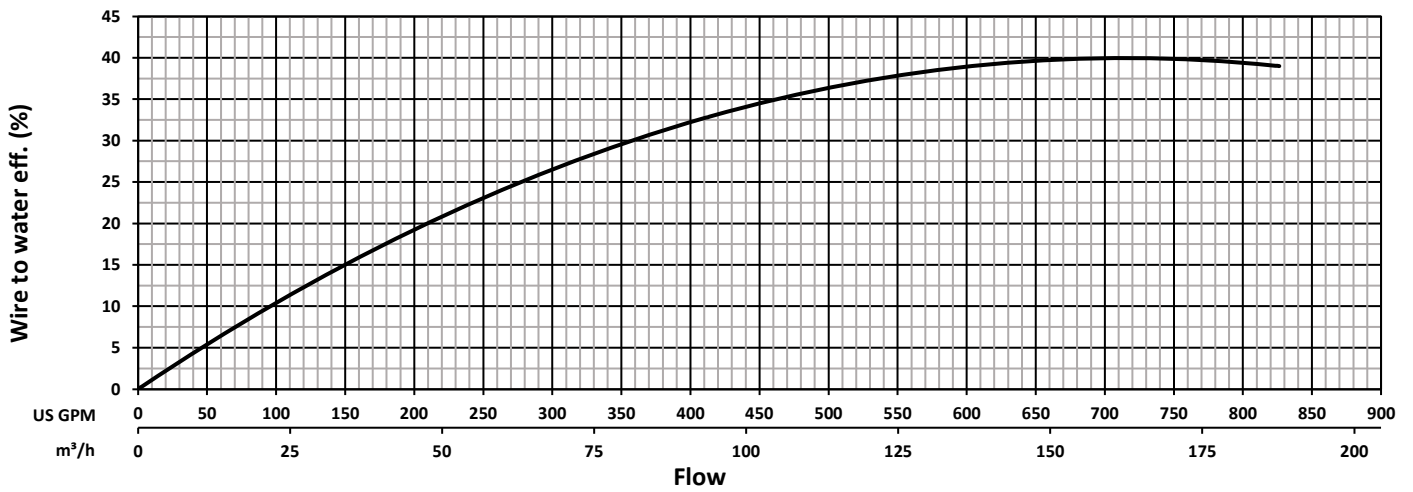
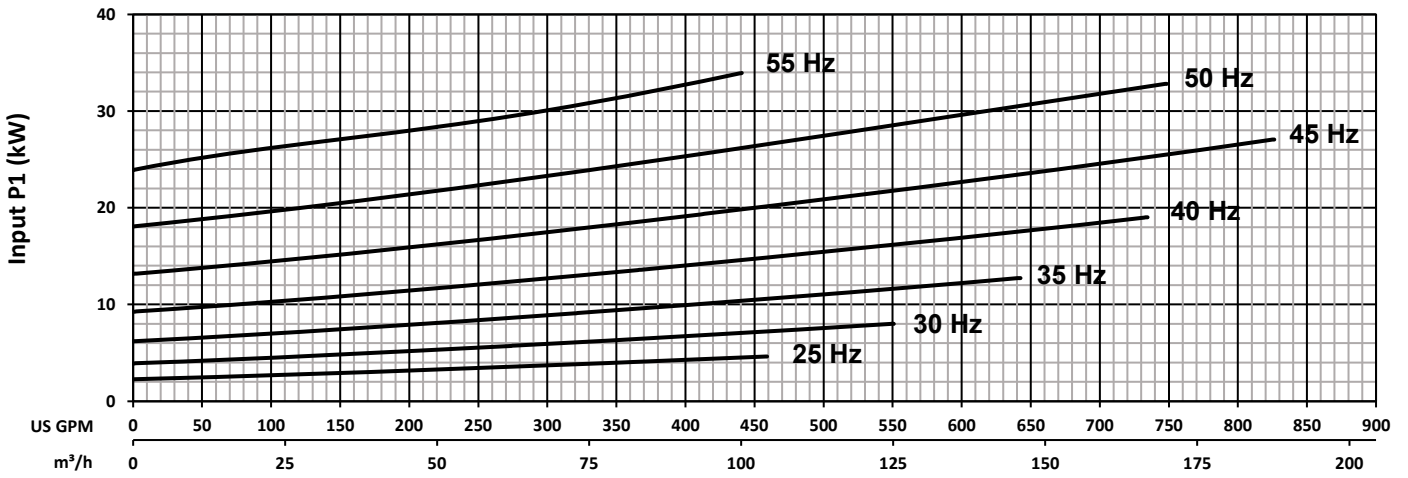
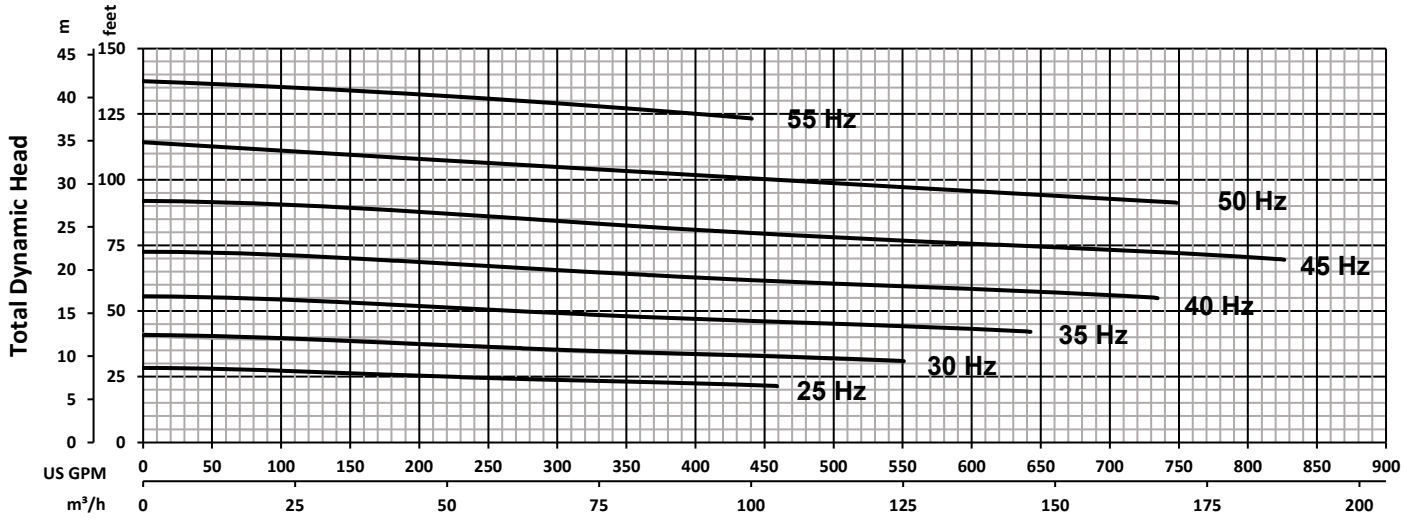
 <b>INDUSTRIAL FLOW SOLUTIONS</b>	<b>PERFORMANCE CURVE</b>			<b>DS-A50-024</b>
	Tested with clean water Test Standard : HI 11.6 Gr 3B		<b>Model</b> OW101H-4VV 18.5kW	Rev --
			<b>Motor</b> 18.5kW / 24.8HP	<b>Poles</b> 4
			<b>Impeller Ø</b> 250mm	<b>Date</b> 2/27/2020
Specifications subject to change without notice				


# PERFORMANCE CURVE OW101H-4VV 22.0kW



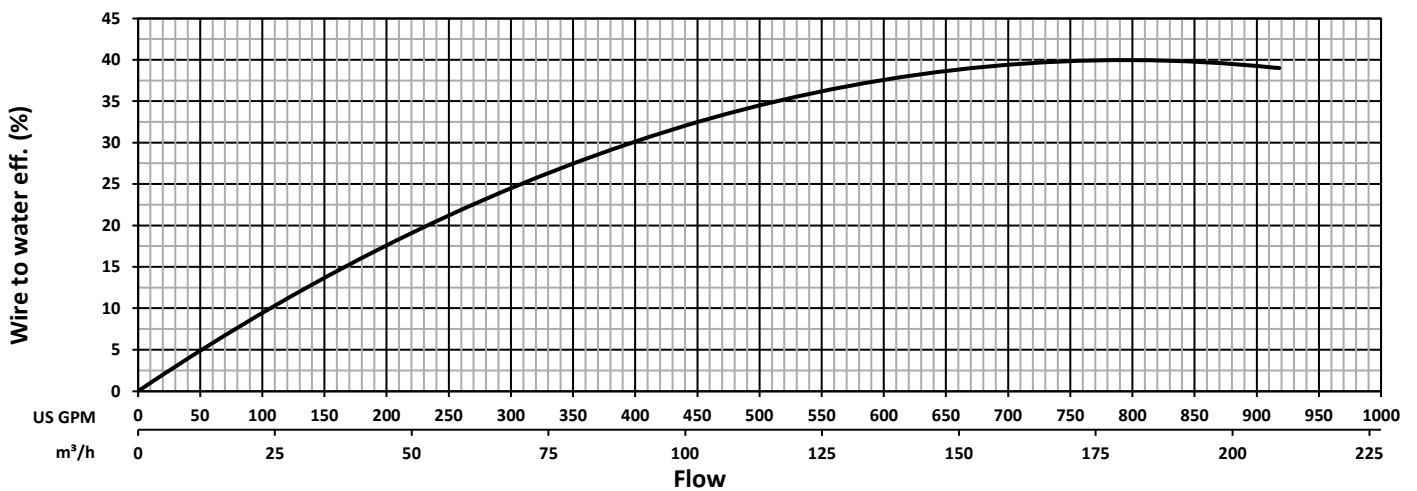
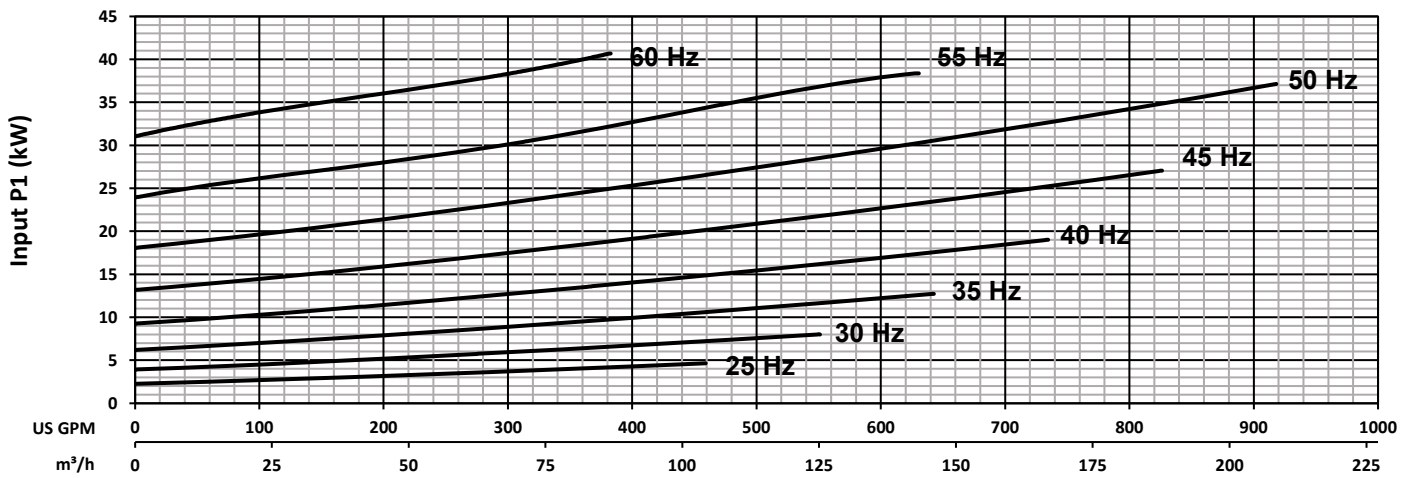
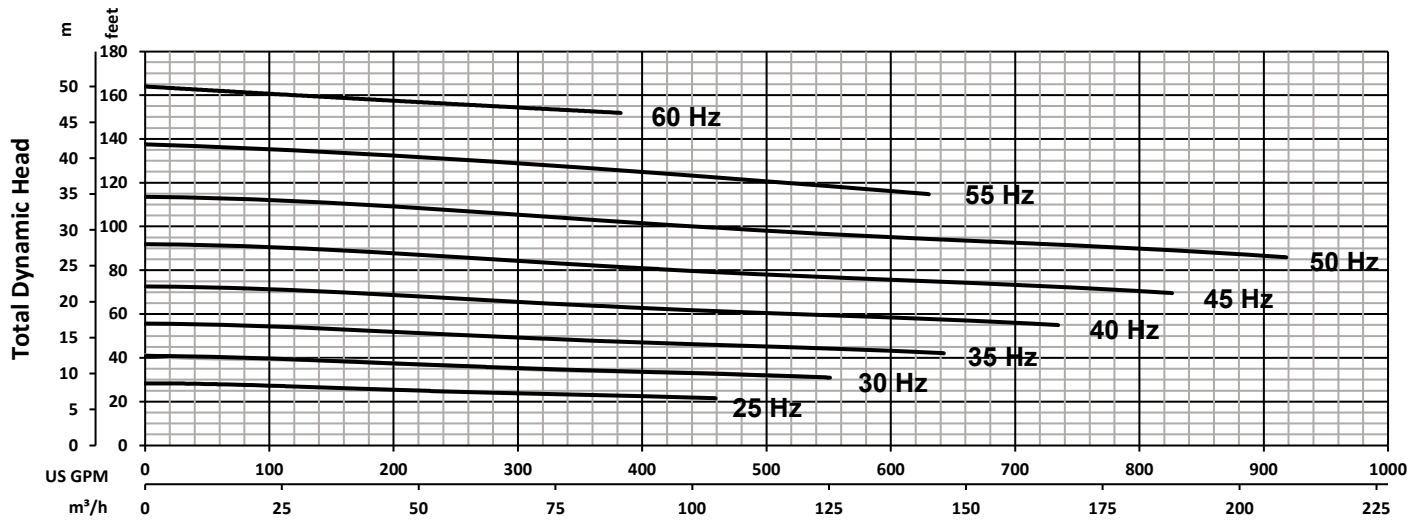
 <b>INDUSTRIAL FLOW SOLUTIONS</b>	<b>PERFORMANCE CURVE</b>			<b>DS-A50-025</b>	
	Tested with clean water Test Standard : HI 11.6 Gr 3B		<b>Model</b>	<b>OW101H-4VV 22.0kW</b>	
			<b>Motor</b>	22kW / 29.5HP	<b>Poles</b> 4
	<b>Impeller Ø</b>	305mm		Date 2/27/2020 Specifications subject to change without notice	


# PERFORMANCE CURVE OW101H-4VV 30.0kW



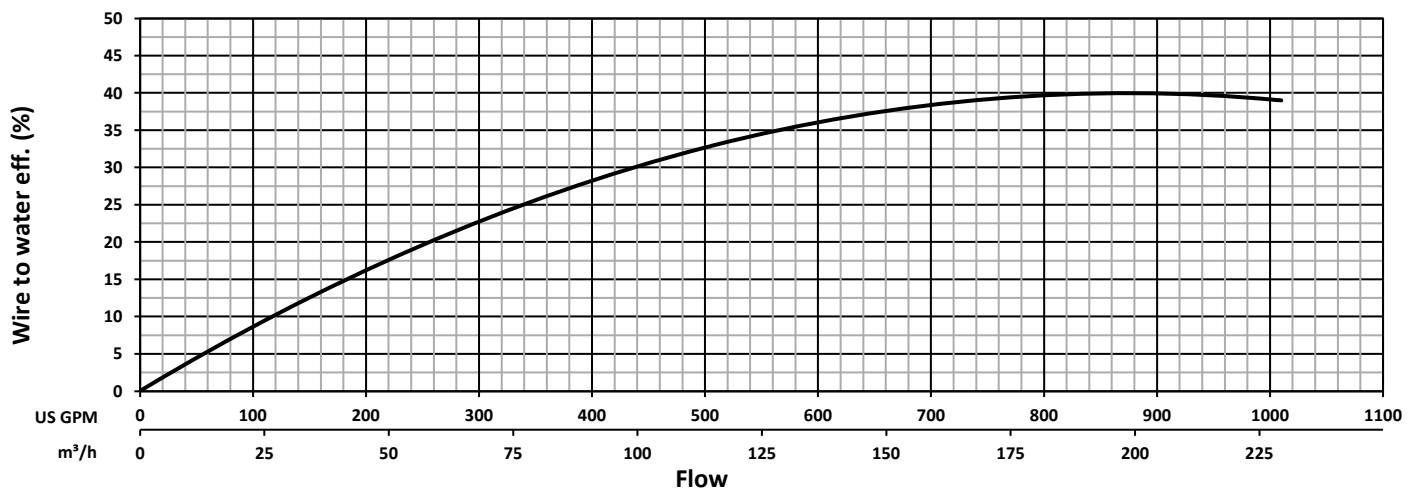
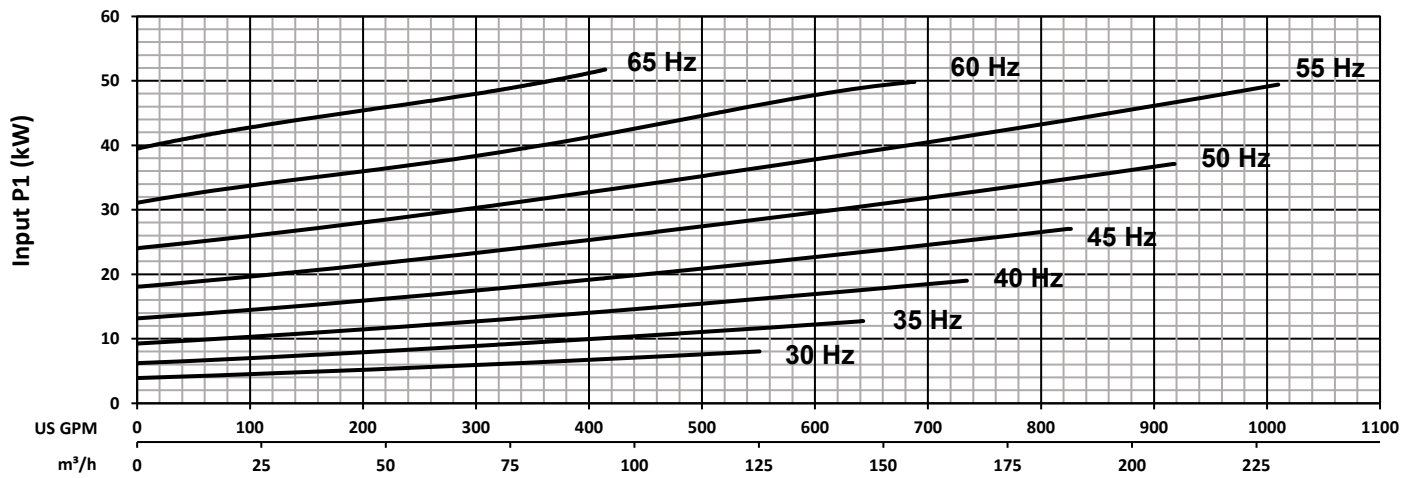
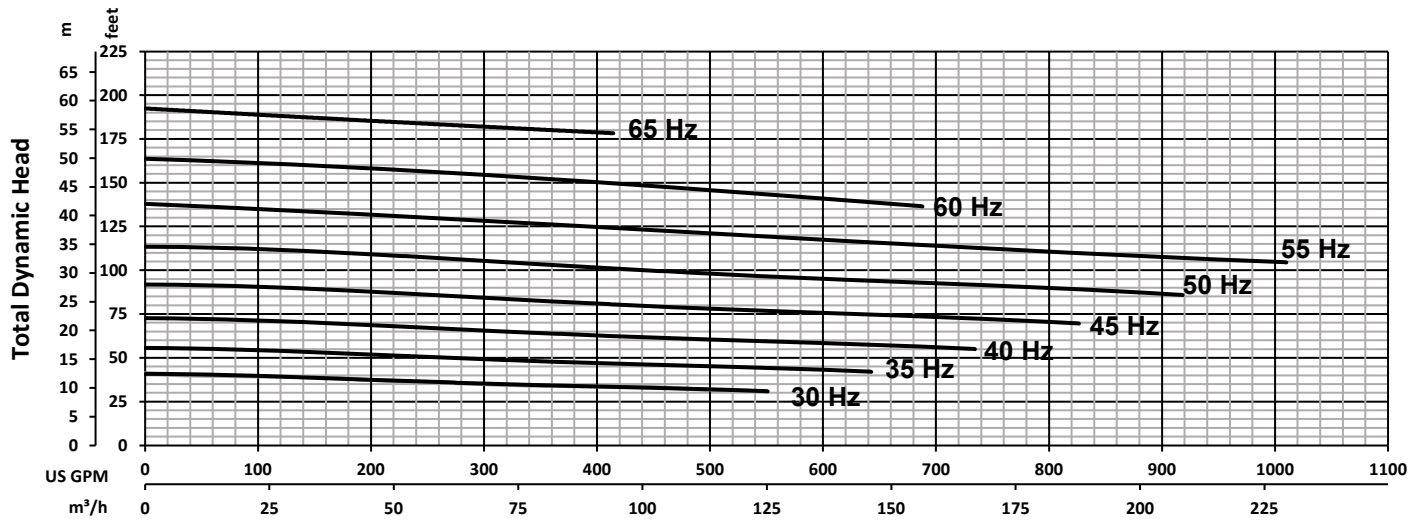
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	Tested with clean water Test Standard : HI 11.6 Gr 3B	<b>Model</b>	<b>OW101H-4VV 30.0kW</b>		Rev --
		<b>Motor</b>	30kW / 40.2HP	<b>Poles</b> 4	<b>Date</b> 2/27/2020
		<b>Impeller Ø</b>	305mm		Specifications subject to change without notice


# PERFORMANCE CURVE OW101H-4VV 37.0kW



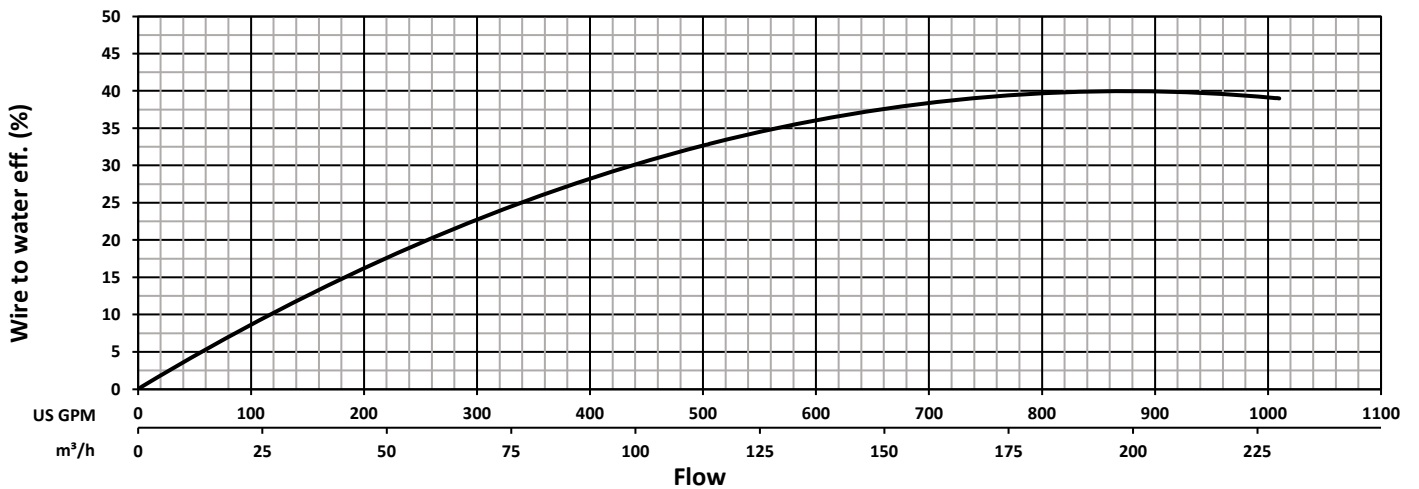
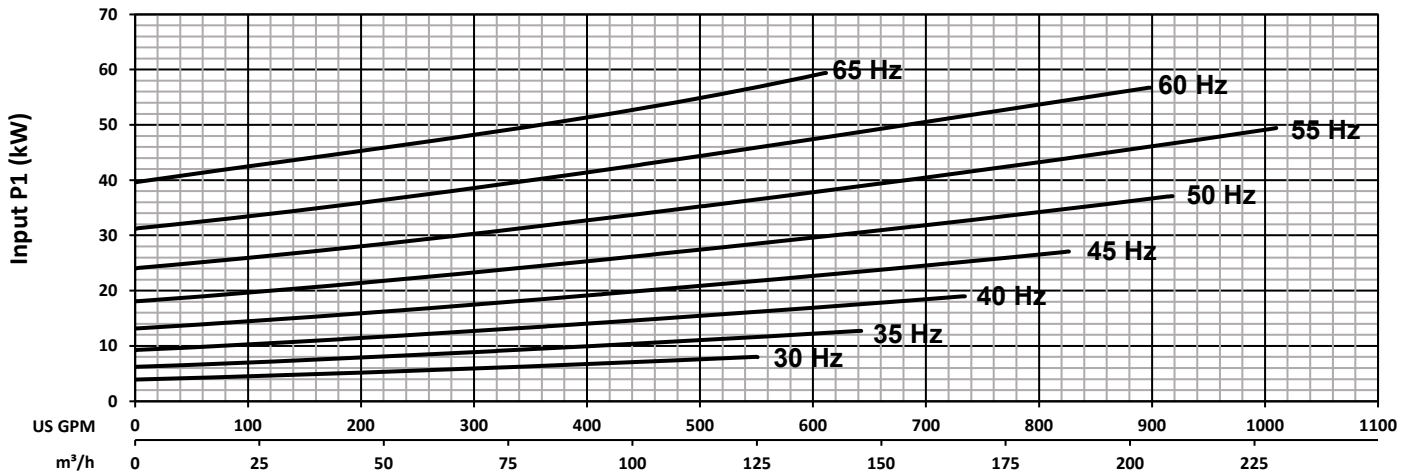
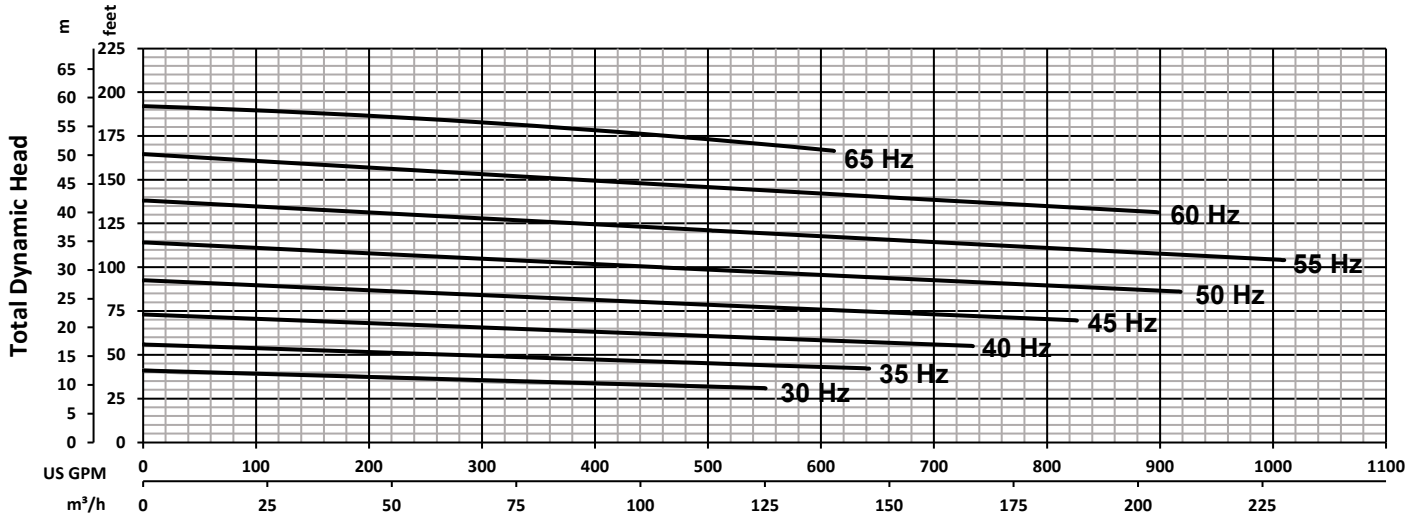
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	Tested with clean water Test Standard : HI 11.6 Gr 3B	<b>Model</b>	<b>OW101H-4VV 37.0kW</b>		<b>Rev</b>	--	
		<b>Motor</b>	37kW / 49.6HP	<b>Poles</b>	4	<b>Date</b>	2/27/2020
		<b>Impeller Ø</b>	305mm	Specifications subject to change without notice			


# PERFORMANCE CURVE OW101H-4VV 45.0kW



 <b>INDUSTRIAL FLOW SOLUTIONS</b>	<b>PERFORMANCE CURVE</b>			<b>DS-A50-028</b>	
	Tested with clean water Test Standard : HI 11.6 Gr 3B	<b>Model</b>	<b>OW101H-4VV 45.0kW</b>		<b>Rev</b> --
		<b>Motor</b>	45kW / 60.3HP	<b>Poles</b> 4	<b>Date</b> 2/27/2020
		<b>Impeller Ø</b>	305mm	Specifications subject to change without notice	

# PERFORMANCE CURVE OW101H-4VV 55.0kW



 <b>INDUSTRIAL FLOW SOLUTIONS</b>	<b>PERFORMANCE CURVE</b>			<b>DS-A50-079</b>	
	Tested with clean water Test Standard : HI 11.6 Gr 3B	<b>Model</b>	<b>OW101H-4VV 55.0kW</b>		Rev --
		<b>Motor</b>	55kW / 73.7HP	<b>Poles</b> 4	<b>Date</b> 5/4/2020
		<b>Impeller Ø</b>	305x50x30 305mm		Specifications subject to change without notice