



# TECHNICAL DATA

## Overwatch 101 – 4 Pole

<b>Doc #:</b>	DS-A50-045	<b>Rev:</b>	03	<b>Rev Date:</b>	04/02/2024
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PUMP DESIGN	
Pump Type	Direct In-Line, Duplex
Impeller Options	DIPCUT®, Vortex
Shaft Seal	Mechanical Seal
Maximum Solids Size	4.0 in (102mm)

MATERIALS	
Pump Body + Hydraulics	304 Stainless Steel (316SS Option)
External Hardware	304 Stainless Steel
Motor Body	Cast Iron, Painted
Gaskets	Nitrile Rubber *
Mechanical Seal	304SS, FKM Elastomer, Tungsten Carbide Face *

\* (Other options available on request)

TEMPERATURE	
Max Fluid Temperature	160°F / 70°C (High-Temp 212°F / 100°C Option)
Max Ambient Temp.	104°F / 40°C

Connection Options:	Pump Inlet	Isolation Branch	Pump Outlet(s)
OW101C Isolation Valved	8" ANSI Flange	4" ANSI Flanges	6" ANSI Flange
OW101YC Dual Discharge	8" ANSI Flange	4" ANSI Flanges	2x 4" ANSI Flange
OW101 Standard Body	8" ANSI Flange	N/A	6" ANSI Flange
OW101Y Dual Discharge	8" ANSI Flange	N/A	2x 4" ANSI Flange



*Standard OW101CP  
pictured right and left.*

*Alternative inlet/outlet  
orientations available.*





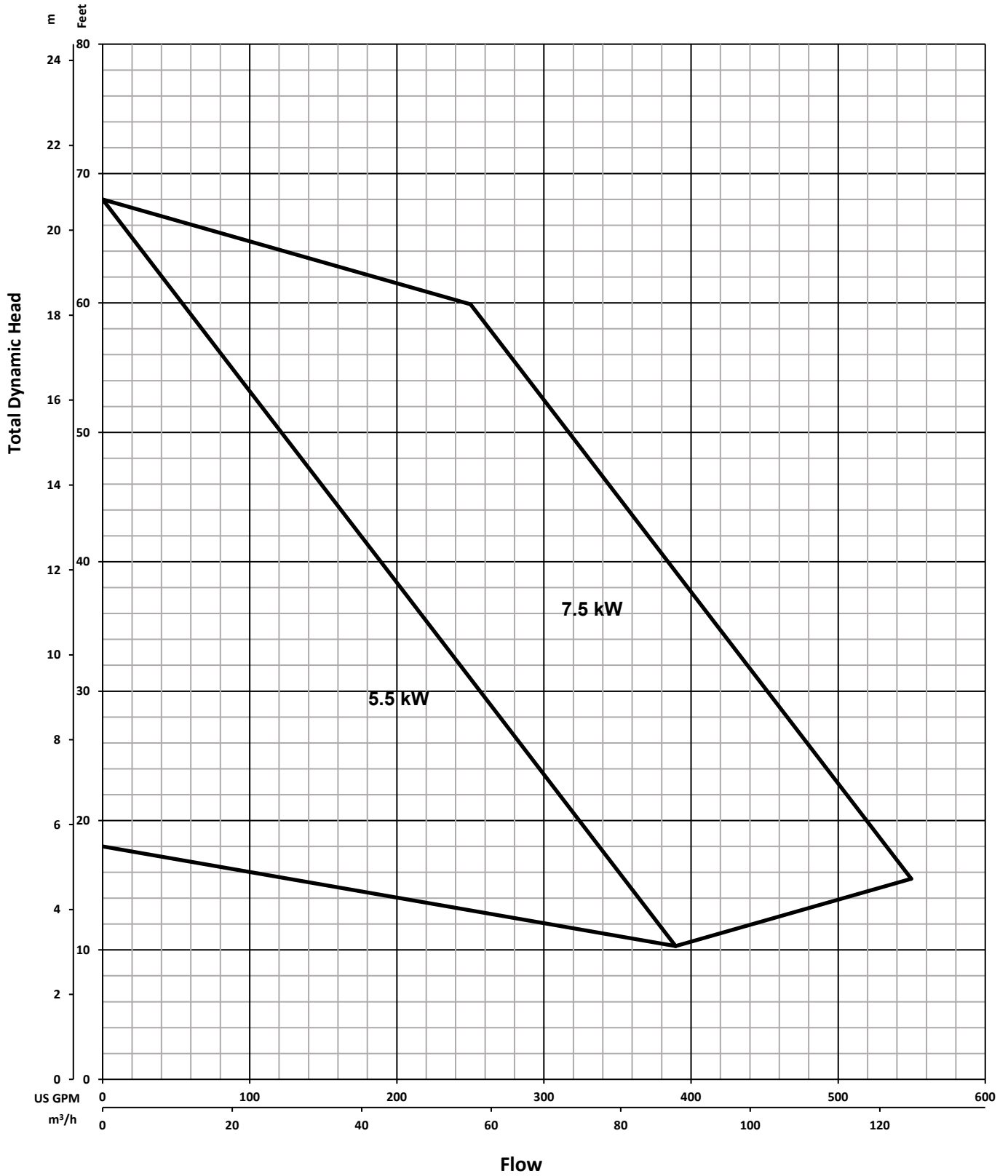
MOTOR SPECIFICATIONS	
Electrical Design	4 Pole, 3-Phase Squirrel-Cage Induction Motor, 50/60Hz
Mechanical Design	IEC Frame, Flange mounted
Motor Type	Total Enclosed Fan-Cooled (TEFC), IP67 Immersible <i>(Other IP ratings &amp; Certifications available on request)</i>
Insulation Class	Class F
Service Factor	1.15
Voltage Tolerance	+/- 10% from Nominal
Max Starts per Hour	240 (VFD Driven)
VFD Motor Protections	Stall, Dry Run / Underload, Anti-Cavitation, Overload, High/Low voltage, Phase Loss / Phase Imbalance


MOTOR DATA					
Rated Power @ 50 Hz	208V FLA	230V FLA	460V FLA	575V FLA	Pump Weight
7.4 HP / 5.5 Kw	23.9	21.6	10.8	8.6	753lb (341kg)
10.1 HP / 7.5 kW	32.1	29.0	14.5	11.6	795lb (360kg)

Contact our Applications Engineering Department for more Detailed information:

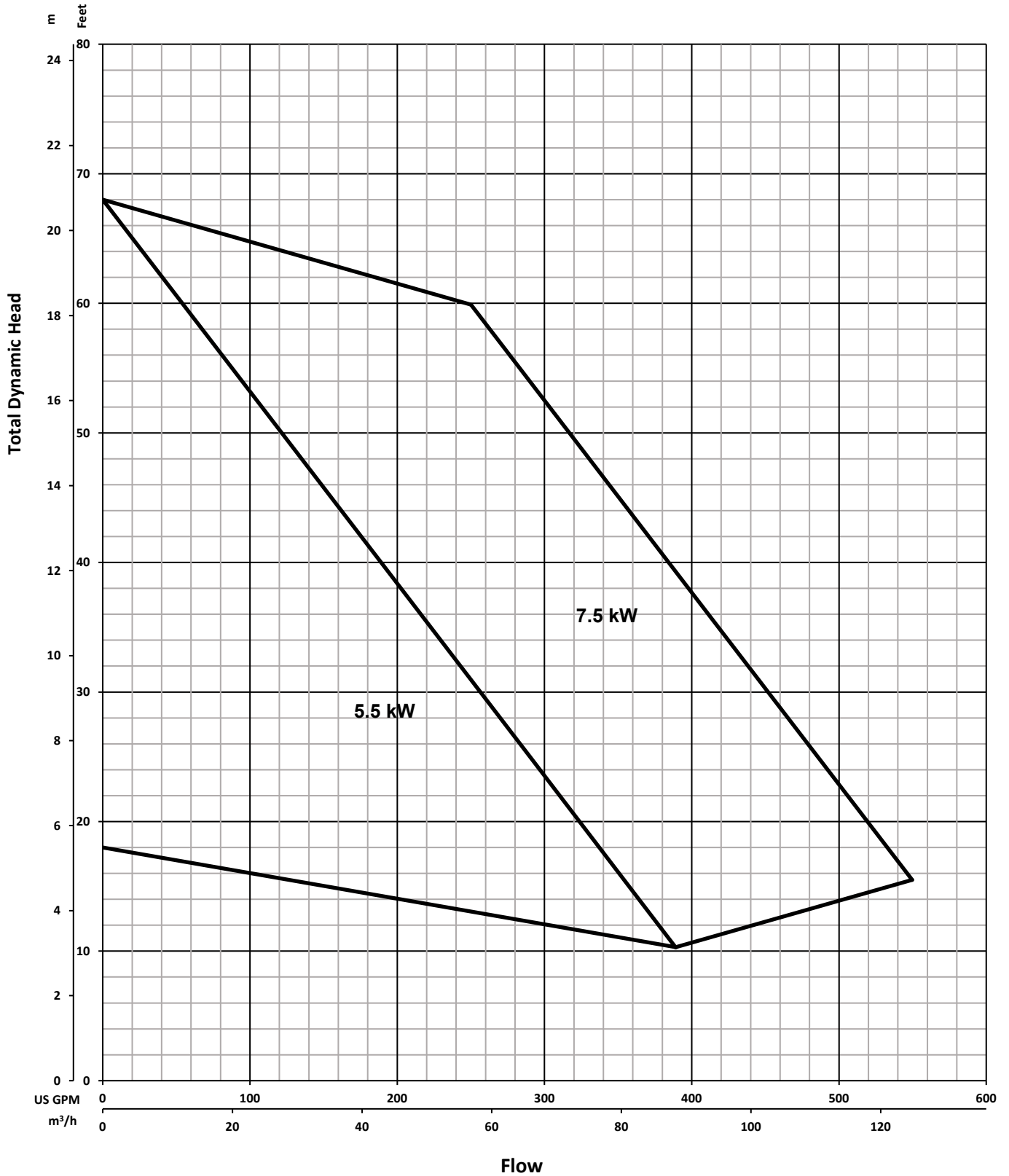
- Pump Performance Curves – For Impeller + Motor Selection
- Pump Outline Drawings – Final Assembly Dimensions
- DS-A50-066 Level Sensor Technical Datasheet
- DA-A50-070 Overwatch Electric Motor Datasheet.
- DS-A50-103 Mechanical Seal Information


# FAMILY CURVE OW101-4VV DC



 <b>INDUSTRIAL FLOW SOLUTIONS</b>	<b>FAMILY CURVE OW101-4VV DC</b>			<b>DS-A50-574</b>	
	Tested with clean water Test Standard : HI 11.6 Gr 3B 50Hz Motor kW rating	<b>Model</b>	<b>OW101-4VV</b>		<b>Rev</b> -- ITIV
		<b>Motor kW</b>	5.5-7.5	<b>Poles</b>	4
		<b>Impeller Ø</b>	200x50mm	<small>Specifications subject to change without notice</small>	
<b>Date</b> 7/14/2025					

# FAMILY CURVE OW101-4VV VX



 <b>INDUSTRIAL FLOW SOLUTIONS</b>	<b>FAMILY CURVE OW101-4VV VX</b>			<b>DS-A50-634</b>	
	Tested with clean water Test Standard : HI 11.6 Gr 3B 50Hz Motor kW rating	<b>Model</b>	<b>OW101-4VV</b>		<b>Rev</b> -- ITIV
		<b>Motor kW</b>	5.5-7.5	<b>Poles</b>	4
		<b>Impeller Ø</b>	200x50x30mm	<small>Specifications subject to change without notice</small>	
<b>Date</b> 7/14/2025					