

Dutypoint[®] Systems

XPW Stainless Steel Submersible Multistage Pumps

Technical Data - 50Hz Range



The world's first WRAS approved submersible pump

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XPW Series

Introduction

XPW Stainless Steel Submersible Multistage Pumps

Applications:

- Water distribution/pressure boosting
- Rainwater collection
- Irrigation
- Dewatering
- Wash down
- Water features

Features:

- WRAS approved (currently excluding models with float switch)
- Compact close-coupled design, robust and rust resistant
- Impellers and diffusers are made of stainless steel in order to achieve durability, superior efficiency and the highest performances
- Double mechanical seal separated by an oil* chamber for maximum motor protection (* In compliance with FDA - Food and Drug Administration - and the annex to G.U no. 104 of 20/04/73 for oils in contact with food stuffs)
- Plug-in type power cable and level control (and float switch) for easy replacement.
- Heavy duty over size motor shaft
- Stainless steel water proof capsule to protect the motor
- Motor cooling is guaranteed by the pumped liquid

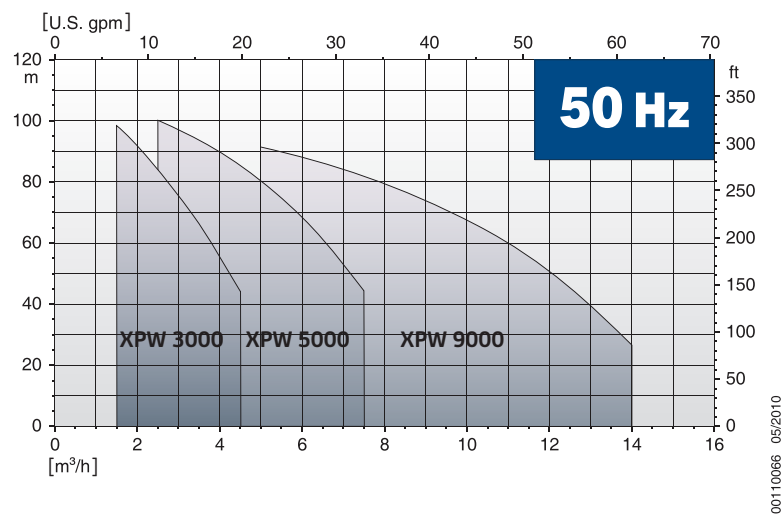
Specifications:

- Capacities up to 14 m³/h at 50Hz
- Heads up to 11 Bar at 50Hz
- Discharge outlet 1¼" BSPF
- Maximum working pressure - 15 Bar
- Maximum immersion depth - 20m
- Maximum allowable amount of sand 50 gr/m³
- Maximum solids size up to 2 mm
- Liquid temperature range -5° C to 40° C
- Continuous operation either in vertical or horizontal position
- Motor range: 0.55kW to 3kW
- Asynchronous, Class F Insulation, IP 68 protection
- 20m WRAS approved power cable supplied as standard
- Maximum number of starts per hour: 20

Options:

- Level control float switch available on single phase
- 230V three phase versions for use with Inverters.
- Increased cable length





MATERIAL IN CONTACT WITH THE PUMPED LIQUID	
COMPONENTS	MATERIAL
Discharge Head	Nickel Plated Pressed Brass Alloy - UNI-EN 121654-98
Outer Case	Stainless Steel - AISI 304
Suction Strainer	Stainless Steel - AISI 304
Motor Housing	Stainless Steel - AISI 304
Covers/Flanges Motor Casing	Stainless Steel - AISI 304
Pump Shaft	Stainless Steel - AISI 304
Diffusers	Stainless Steel - AISI 304
Impellers with Spacers	Stainless Steel - AISI 304
Upper Mechanical Seal	Carbon/Ceramic/NBR
Lower Mechanical Seal	Carbon/Ceramic/NBR
Screws & Washers	Stainless Steel - AISI 304

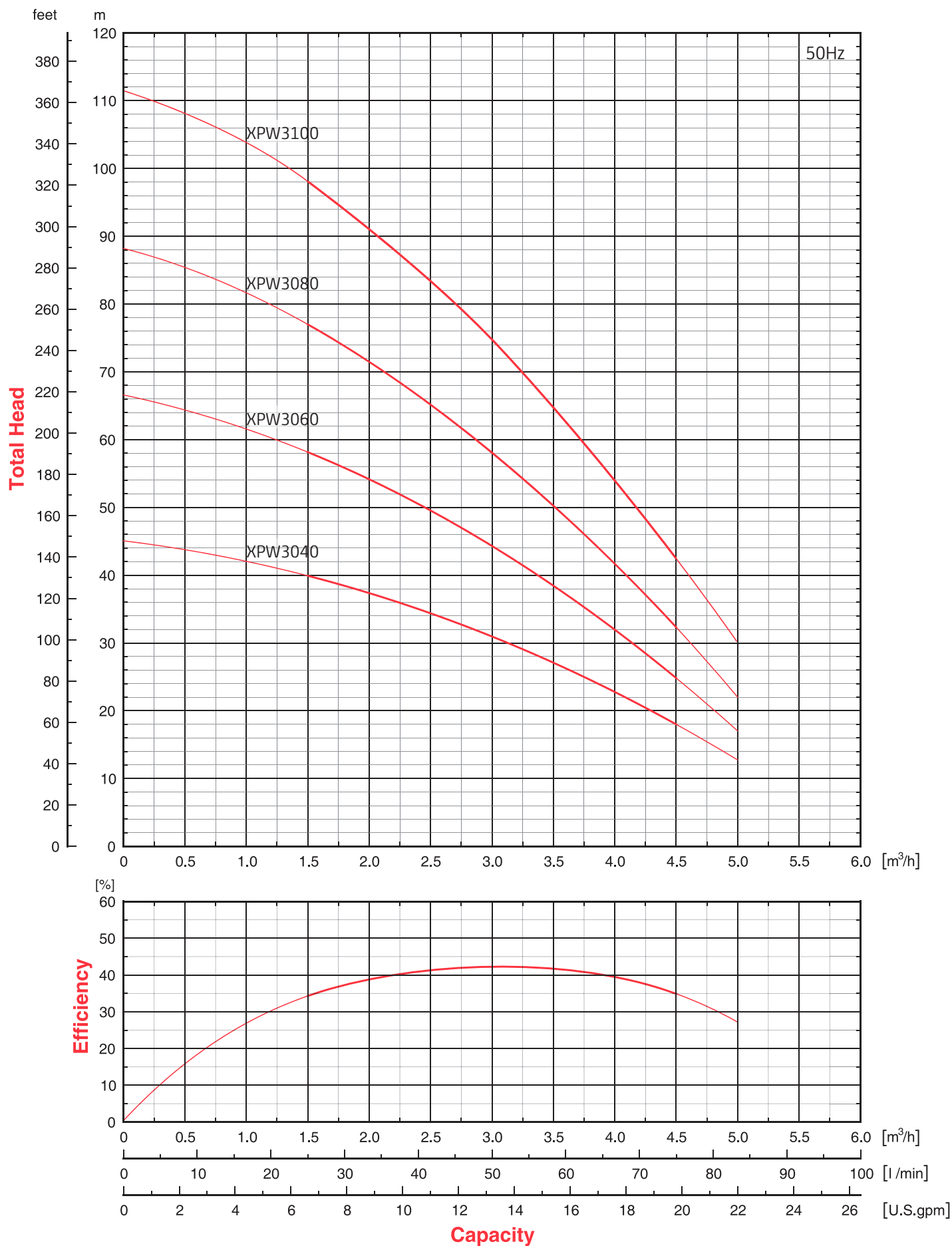


XPW SERIES

Performance Curves and Technical Data



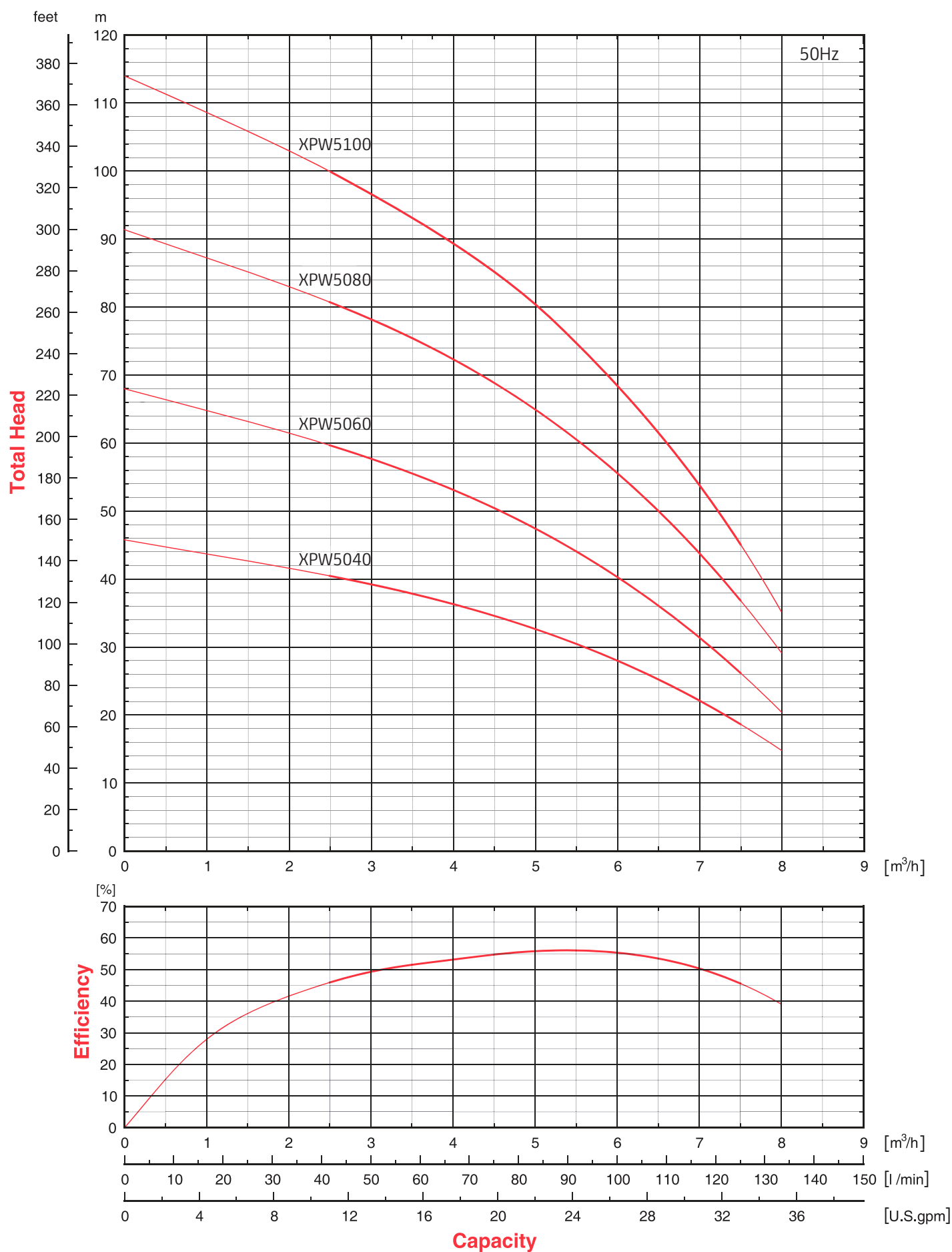
XPW3000



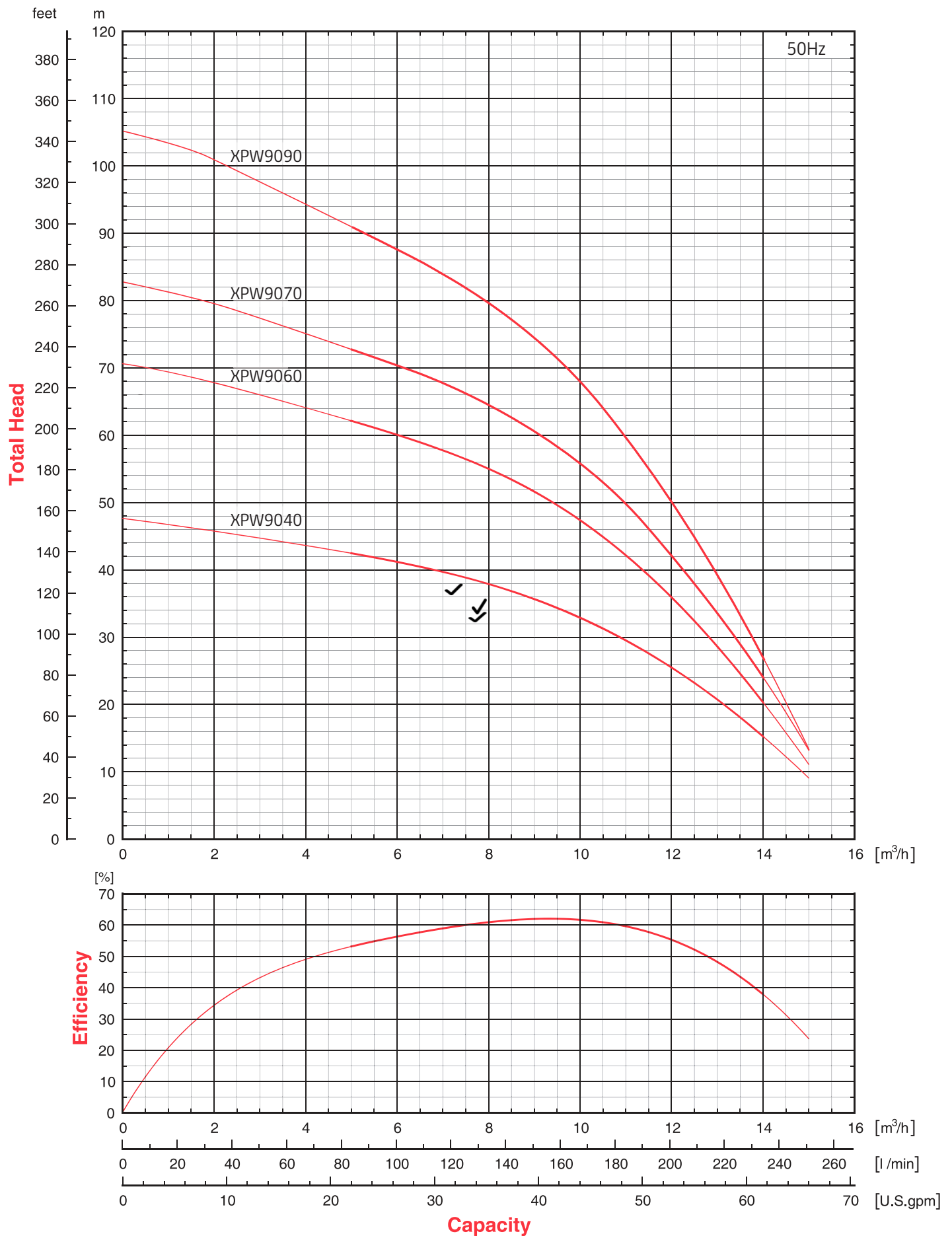
XPW SERIES

Performance Curves

XPW5000



XPW9000



XPW3000 - ELECTRICAL DATA

Pump Model Number			Number of Stages	Motor Power		Rated Current		
SinglePhase 220-240V 50Hz	Three Phase 380-415V 50Hz	Three Phase 230v 50Hz		(Amps) kW	HP	Single Phase 220-240V 50Hz	Three Phase 380-415V 50Hz	Three Phase 230V 50Hz
XPW 3040	-	XPW 3040-T230	4	0.55	0.75	4.1	-	-
XPW 3060	-	XPW 3060-T230	6	0.75	1	5.2	-	-
XPW 3080	XPW 3080T	XPW 3080-T230	8	1.1	1.5	7.2	2.7	4.7
XPW 3100	XPW 3100T	XPW 3100-T230	10	1.5	2	9.8	3.2	5.5

XPW5000 - ELECTRICAL DATA

Pump Model Number			Number of Stages	Motor Power		Rated Current		
Single Phase 220-240V 50Hz	Three Phase 380-415V 50Hz	Three Phase 230v 50Hz		(Amps) kW	HP	Single Phase 220-240V 50Hz	Three Phase 380-415V 50Hz	Three Phase 230V 50Hz
XPW 5040	-	XPW 5040-T230	4	0.75	1	5	-	-
XPW 5060	XPW 5060T	XPW 5060-T230	6	1.1	1.5	7.4	2.7	4.7
XPW 5080	XPW 5080T	XPW 5080-T230	8	1.54	2	10.5	3.5	5.5
XPW 5100	XPW 5100T	XPW 5100-T230	10	2.2	3	11.5	5.2	9.0

XPW9000 - ELECTRICAL DATA

Pump Model Number			Number of Stages	Motor Power		Rated Current		
Single Phase 220-240V 50Hz	Three Phase 380-415V 50Hz	Three Phase 230v 50Hz		(Amps) kW	HP	Single Phase 220-240V 50Hz	Three Phase 380-415V 50Hz	Three Phase 230V 50Hz
XPW 9040	XPW 9040T	XPW 9040T-T230	4	1.5	2	9.7	3.2	5.5
XPW 9060	XPW 9060T	XPW 9060T-T230	6	2.2	3	11.9	5.4	8.7
-	XPW 9070T	XPW 9070T-T230	7	3	4	-	5.9	10.2
-	XPW 9090T	XPW 9090T-T230	9	3	4	-	6.8	11.8

* Single-phase motors: 220-240 V $\pm$ 5% / 50Hz. Thermal protection built into the motor up to 1.1 kW. Thermal protection provided into the starter panel from 1.5 kW and above.

* Three-phase motors: 380-415 V $\pm$ 5% / 50 Hz. Thermal protection to be provided into the starter panel by the installer.

XPW3000 - DIMENSIONS & WEIGHTS

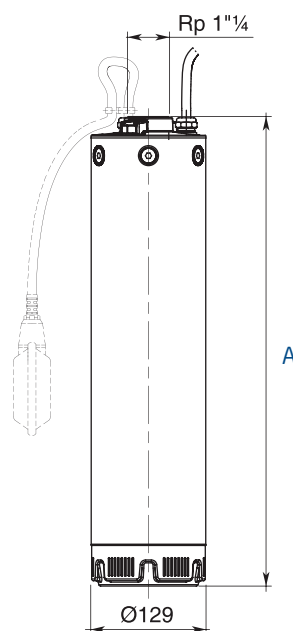
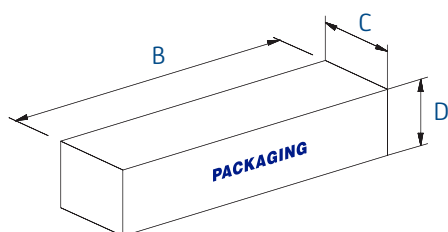
Pump Model				Packaging					
Single Phase	Three Phase	T230 Three Phase	A mm	B mm	C mm	D mm	Weight KG		
							Single Phase	Three Phase	T230
XPW 3040	-	-	480	720	230	175	16	-	-
XPW 3060	-	-	528	720	230	175	18.5	-	-
XPW 3080	XPW 3080T	XPW 3080-T230	576	720	230	175	20.5	19.5	19.5
XPW 3100	XPW 3100T	XPW 3100-T230	674	800	230	195	24.0	22.0	22.0

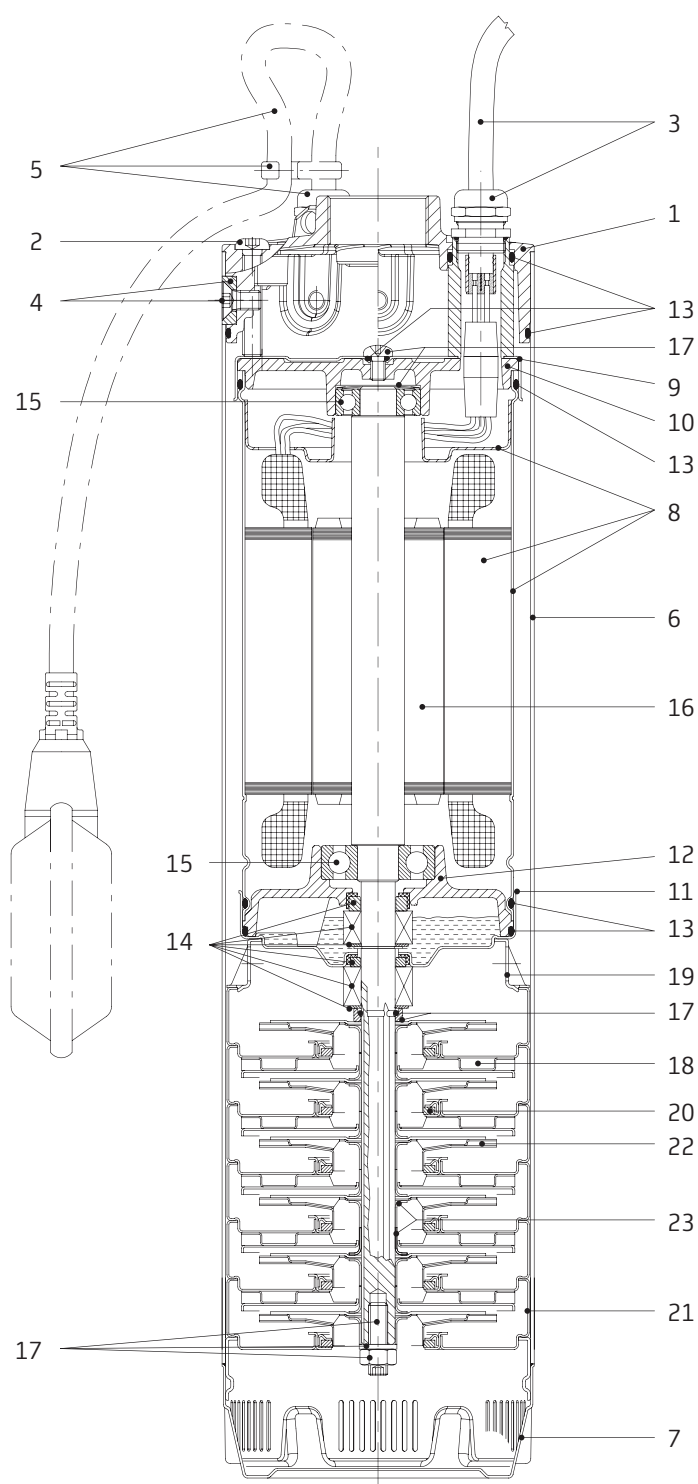
XPW5000 - DIMENSIONS & WEIGHTS

Pump Model				Packaging					
Single Phase	Three Phase	T230 Three Phase	A mm	B mm	C mm	D mm	Weight KG		
							Single Phase	Three Phase	T230
XPW 5040	-	-	480	720	230	175	17.5	-	-
XPW 5060	XPW 5060T	XPW 5060-T230	528	720	230	175	19.5	18.5	18.5
XPW 5080	XPW 5080T	XPW 5080-T230	626	800	230	195	23.0	21.0	21.0
XPW 5100	XPW 5100T	XPW 5100-T230	674	800	230	195	25.5	24.0	24.0

XPW9000 - DIMENSIONS & WEIGHTS

Pump Model				Packaging					
Single Phase	Three Phase	T230 Three Phase	A mm	B mm	C mm	D mm	Weight KG		
							Single Phase	Three Phase	T230
XPW 9040	XPW 9040T	XPW 9040-T230	584	720	230	175	21.5	19.5	19.5
XPW 9060	XPW 9060T	XPW 9060-T230	644	800	230	195	24.5	22.5	22.5
-	XPW 9070T	XPW 9070-T230	674	800	230	195	-	24.5	24.5
-	XPW 9090T	XPW 9090-T230	734	800	230	195	-	25.5	25.5





Ref. N.	Description
1	Discharge head
2	Screws for pre-loading assembly (3 pcs)
3	Power cable assembly
4	Screws and inserts (6 pcs)
5	Level control assembly
6	Outer case
7	Suction strainer
8	Motor housing and stator
9	Upper motor cover
10	Upper bearing housing
11	Lower motor cover
12	Lower bearing cover

Ref. N.	Description
13	Kit O-Rings (5 pcs)
14	Kit mechanical seals (2 pcs)
15	Kit ball bearings (2 pcs)
16	Rotor and pump shaft
17	Kit screws, nut and washers
18	Stage housing and diffuser
19	Spacer
20	Floating neck ring assembly
21	Initial stage housing
22	Impeller
23	Impeller spacers (2 pcs)



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