

BE BUMPING
PARTNERS

WUP, WRRAIN, WRRAINOX

WDROO Series

Stainless Steel
Drainage Pumps
50Hz



hydroo®

HYDROO is present in all the European markets by means of a distribution network focused on the service and the valuation of the pumping business. HYDROO conceives, researches, develops, designs, industrializes, and manufactures a wide range of pumping solutions for the most demanding applications in industrial markets, irrigation, water supply and water treatment as well as in residential and commercial buildings. The values of operational excellence, experience, reliability, and passion for a well-done job guide the daily work of the Hydroo team together with our partners and distributors. The global challenges of water management require excellence in pumping technologies and a joint effort between designers, manufacturers, and pumping engineers. To meet the needs of the market in the more demanding installations Hydroo is firmly committed to manufacturing the best pumping equipment by following and sharing our values worldwide.

The Hydroo values are presented in 5 great concepts that we summarize in our motto Hy5, which are our principles and commitments:

BE PUMPING PARTNERS



Pirineu del Pallars
(Pallars Sobirà county, Catalonia)

The great attraction of this region is due to its abundant natural heritage which has painted the landscape with lush green vegetation enhanced with a great legacy of ancient monuments.

Coordinates:
Longitude: 0.8041500
Latitude: 42.5036800



hymotion

Value proposal based on the reliability of products enhancing the quality, the development of efficient supply chains, the productivity with the love of craftsmen at every step of the manufacturing and production processes. We move with the commitment to improve pumping systems, make them more efficient, more reliable, more digitized, more at the service of the human development.



hylite

Contribution to the preservation of the environment and sustainability. We reduce the environmental impact and the footprint of carbon. We contribute to the development of the circular economy. Our team stand out for the highest standards of energy efficiency.



hyficient

The use of the most advanced analytical, developed simulation tools allows us to optimize our R&D teamwork results. We maximize the study of materials, efficient hydraulics, mechanical improvements and the optimization of our motors up to 200 kW. The results are robust, reliable, flexible, adjustable, multipurpose, and user-friendly pumping equipment.



hynovative

Commitment to the implementation of the innovation process a strategic pillar of the company. Transfer new ideas to realities that evolve pumping industry and internalize the process in each job position to offer market improvements.



hyliance

We are the factory of our customers. Without solution of continuity between the value chain starting in the components production plants and ending with amortization of the pumping equipment operating at full performance for years and giving satisfaction to distributors, project engineers and pumping systems managers. We make real our catchphrase **Be Pumping Partners**.

WUP WRAIN WRAINOX

Stainless Steel
Drainage Pumps
50Hz

Structural feature

Reliable AISI304SS drainage pumps for domestic applications: Easy to handle, plug and play and compact pump&motor set configuration.

Operation conditions

- Submersible pump, max. submerged depth is 5 m.
- Max. temperature of pumped liquid: 40°C.
- Solids diameter should be less than 10mm on WUP range, and less than 45mm on WRAINOX types.
- Motor: Insulation class F, protection class: IP68.
- PH range 4-10.
- Double mechanical seal: CSI/CSI; Graphit/CSI
- Standard cable length is 9 m
- Float switch and capacitor included on single phase pumps.
- Very low pumping flooded suctions head for all models, down to 5 mm.

WUP: Upper outlet
WRAIN: Closed impeller version
WRAINOX: Vortex impeller version



Applications

- Garden irrigation, cultivation, municipal flood drainage and fountains;
- Salty water or similar as water which contains normal corrosive liquid;
- Drainage for river water, lake, rain water, pool water drainage, grey waters and temporary installations.

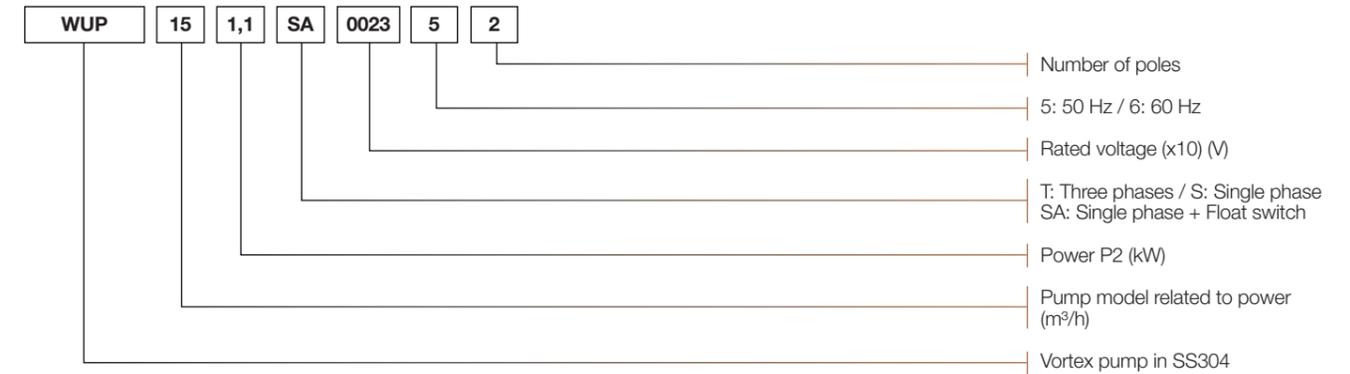
Max. working pressure

SN	Name	Material
1	Handle	PP+GF
2	Upper cover	SS304
3	Double mechanical seal	Sealing Washer Motor terminal Pump Side NBR GR/SIC SIC/SIC
4	Casing	SS304
5	Impeller	SS304
6	Strainer	SS304
7	Base	SS304

WUP

Definition of model

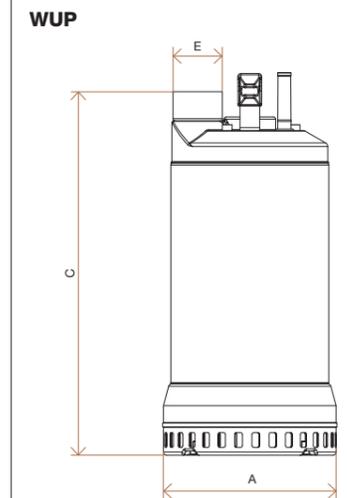
UPPER OUTLET



Technical parameters

Model	kW	Q	H	T	S & A	Amperage	Outlet
		m³/h	m				
WUP6 0,25	0.25	6	7		X	1,7	G1.5"F
WUP6 0,55	0.55	6	14		X	5	G2"F
WUP11 0,75	0.75	11	10	X	X	5,4/2	G2"F
WUP25 0,75	0.75	25	6	X	X	5,4/2	G2,5"F
WUP25 1,1	1.1	25	7	X	X	6,5/2,6	G2,5"F
WUP40 1,1	1.1	40	6	X	X	6,5/2,6	G2,5"F
WUP16 1,1	1.1	16	13	X	X	6,5/2,6	G2"F

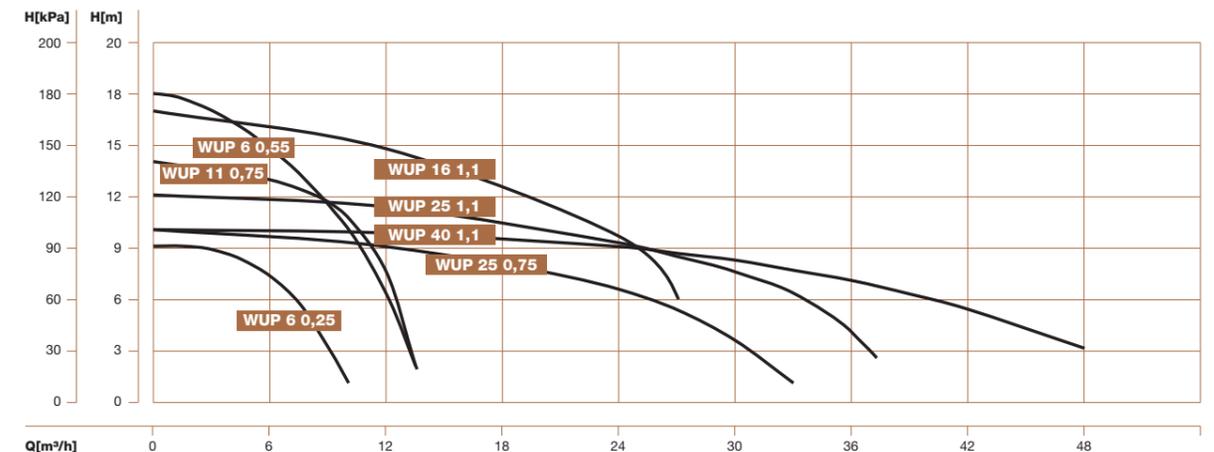
Installation sketch



Simplified drawing and installation dimensions

Model	A	B	C	D	E	Packaging	Weight
	mm					mm / kg	
WUP6 0,25	152	—	350	—	G1.5"F	165 x 165 x 375	8
WUP6 0,55	176	—	320	—	G2"F	220 x 220 x 445	12
WUP11 0,75	176	—	330	—	G2"F	220 x 220 x 445	13
WUP25 0,75	186	—	325	—	G2,5"F	220 x 220 x 455	13
WUP25 1,1	186	—	335	—	G2,5"F	220 x 220 x 465	14
WUP40 1,1	186	—	335	—	G2,5"F	220 x 220 x 465	14
WUP16 1,1	180	—	350	—	G2"F	220 x 220 x 470	14

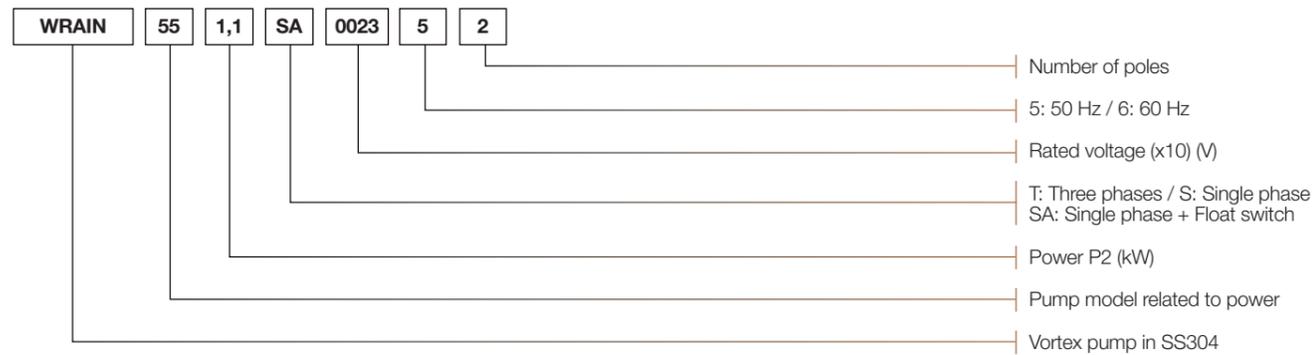
Performance curves ISO9906:2012 Grade 3B



WRRAIN

Definition of model

CLOSE IMPELLER



Technical parameters

Model	kW	Q	H	T	S & A	Amperage	Outlet
		m ³ /h	m				
WRRAIN 55	0.55	7	7		X	1 ~230/3 ~400V 4,2	G2"F
WRRAIN 75	0.75	7	10		X	5,7	G2"F
WRRAIN 110	1.1	7	12	X	X	6,5/2,5	G2"F
WRRAIN 150	1.5	7	15	X	X	8,2/3,7	G2"F

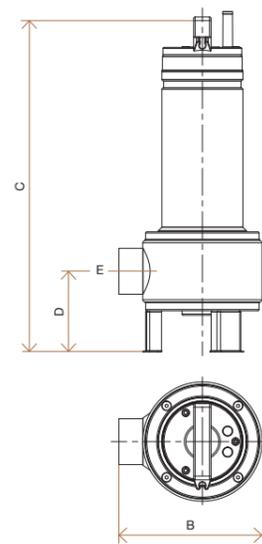
*S: Single phase / *T: Three phase / *A: Float switch

Simplified drawing and installation dimensions

Model	A	B	C	D	E	Packaging	Weight
	mm					mm	kg
WRRAIN 55	—	180	450	100	G2"F	230 x 230 x 510	10
WRRAIN 75	—	180	470	100	G2"F	230 x 230 x 525	12
WRRAIN 110	—	180	490	100	G2"F	230 x 230 x 535	14
WRRAIN 150	-	180	500	100	G2"F	230 x 230 x 540	15

Installation sketch

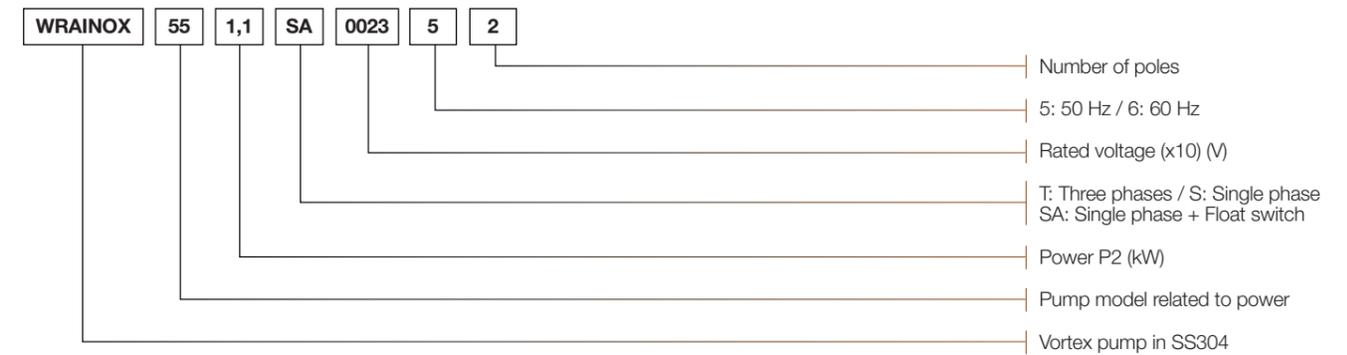
WRRAIN



WRRAINOX

Definition of model

VORTEX IMPELLER



Technical parameters

Model	kW	Q	H	T	S & A	Amperage	Outlet
		m ³ /h	m				
WRRAINOX 55	0.55	10	7		X	1 ~230/3 ~400V 4,2	G2"F
WRRAINOX 75	0.75	7	9		X	5,7	G2"F
WRRAINOX 85	0.75	15	5		X	5,7	G2"F
WRRAINOX 110	1,1	15	7	X	X	6,5/2,5	G2"F
WRRAINOX 150	1,5	18	8	X	X	8,2/3,7	G2"F

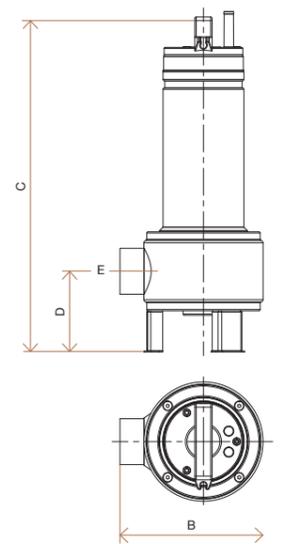
*S: Single phase / *T: Three phase / *A: Float switch

Simplified drawing and installation dimensions

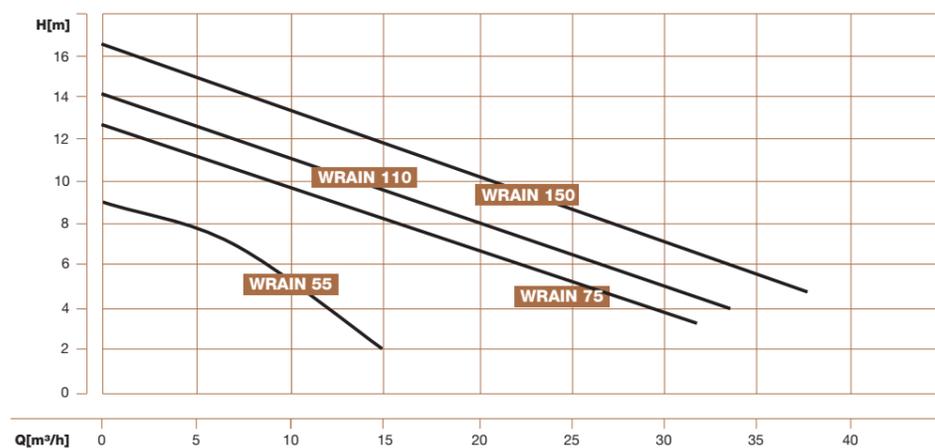
Model	A	B	C	D	E	Packaging	Weight
	mm					mm	kg
WRRAINOX 55	—	180	450	100	G2"F	230 x 230 x 510	10
WRRAINOX 75	—	180	470	100	G2"F	230 x 230 x 525	12
WRRAINOX 85	—	180	470	100	G2"F	230 x 230 x 525	12
WRRAINOX 110	—	180	490	100	G2"F	230 x 230 x 535	14
WRRAINOX 150	-	180	500	100	G2"F	230 x 230 x 540	15

Installation sketch

WRRAINOX



Performance curves ISO9906:2012 Grade 3B



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202524-CTL-WUPWRAINOXWRAIN-EN
subject to amendments

BE PUMPING PARTNERS

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