

# Hydrau-Power Commercial Pump

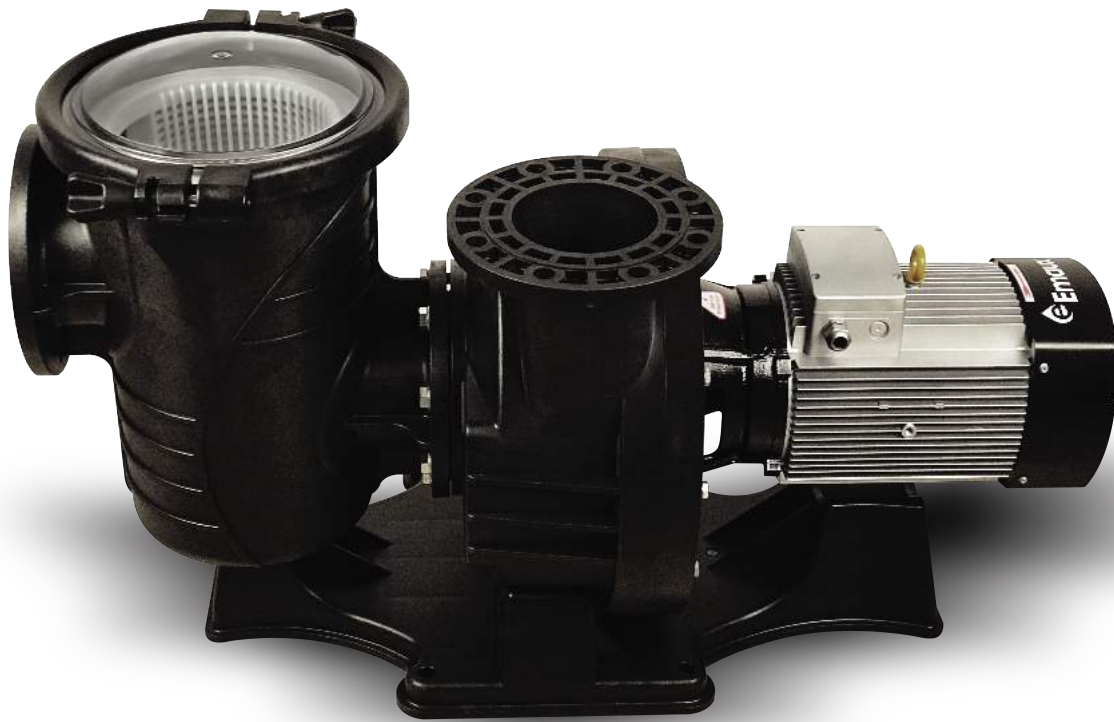
EXCELLENT HYDRAULIC EFFICIENCY UP TO 91%

For commercial pools, aquatic parks, and seawater facilities



# Product Features

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## EXCELLENT RESISTANCE TO **SEAWATER CORROSION**

The Emaux Hydrau-Power pump is a series of powerful and robust pumps engineered for applications requiring high flow capability and efficiency. The pump is constructed with high impact corrosion resistant thermoplastics and equipped with a large capacity strainer. The Hydrau-Power pump is suitable for a variety of applications including all types of commercial pools, aquatic parks, and seawater facilities.



13L/30L  
Strainer Basket



Francis-Vane  
Impeller



IE 3 Class  
Motor

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## Product Features

1. High volume self-priming thermoplastic pump ideal for large filtration system
2. Proven hydraulic efficiency up to 91%
3. Premium Efficiency IE3 Class Motor ( compliance IEC 60034-30)
4. Francis-vane impeller allows for broad-band efficiency and large flow range.
5. Smooth throat volute design facilitates the high work efficiency
6. The operating frequency can be controlled externally by Variable Frequency Drive (VFD)
7. Fiber reinforced plastic casing provides substantial temperature, pressure, vibration and impact performance.
8. Secondary seal chamber as the water leakage and vapour blocker to the motor.
9. Large suction-side detachable strainer capacity in 13 and 30 Liter.
10. Low noise level up to 68dB
11. IPX5 Waterproof Standard



# Physical Structure

## Lid

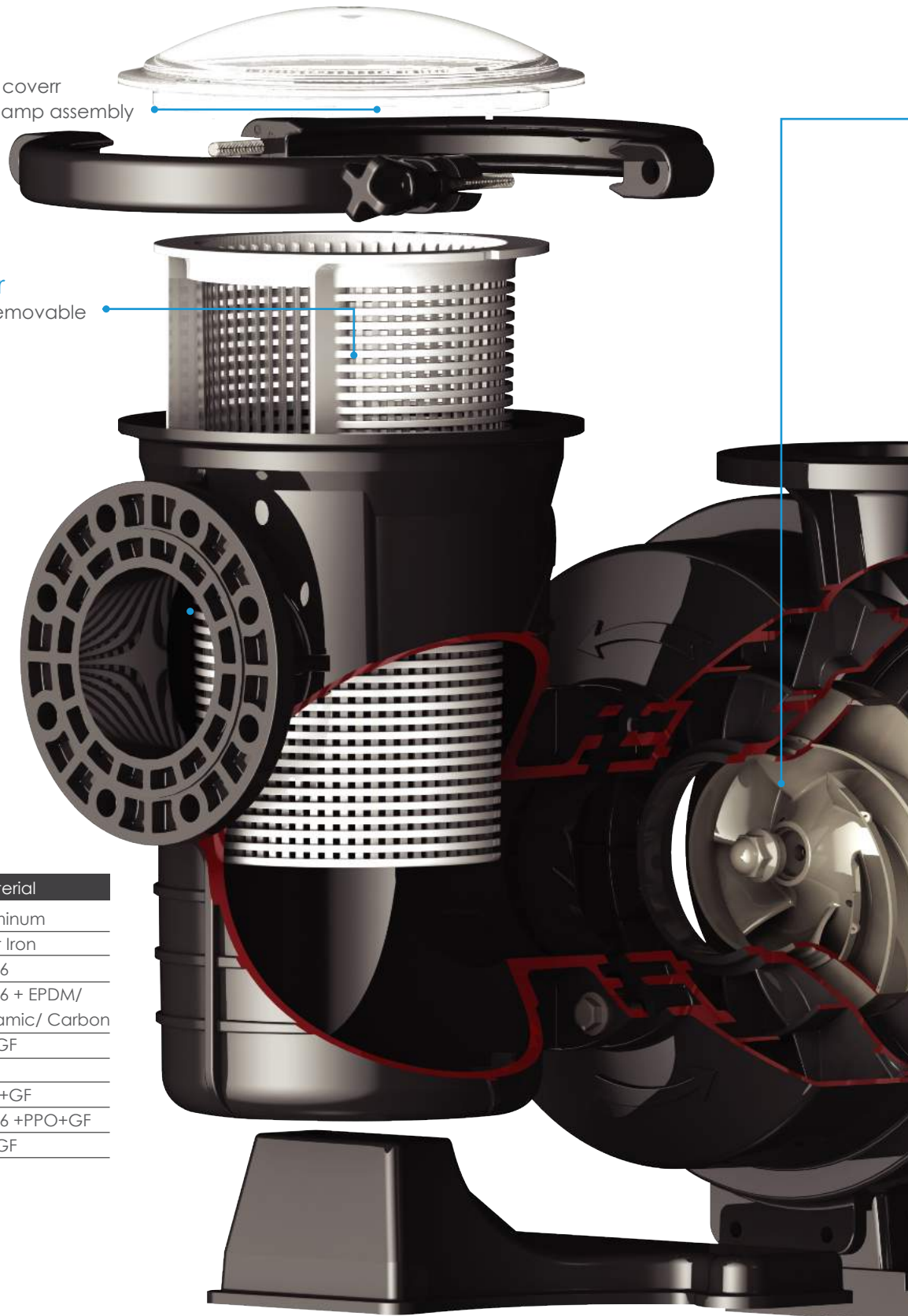
- Large transparent cover
- Easy screw type clamp assembly

## Basket Strainer

- Large capacity removable pre-filter basket

## Material Table

Items	Material
Motor Casing	Aluminum
Motor Bracket	Cast Iron
Shaft Sleeve	SS316
Mechanical Seal	SS316 + EPDM/ Ceramic/ Carbon
Body	PP+GF
Basket	PP
Strainer	PPO+GF
Impeller	SS316 +PPO+GF
Base	PP+GF
Lid	PC





## Impeller

- Francis vane design allows for broadband efficiency and large flow range.
- Expertly machined and dynamically balanced before assembly.
- Integrated reverse-fastening threads insert molding.

## Mechanical Seal

- Self-lubricating mechanical seal prevents liquid seepage.
- Carbon face rotating against a stationary O-ring seat provides positive sealing up to full design pressure.

## Shaft Sleeve

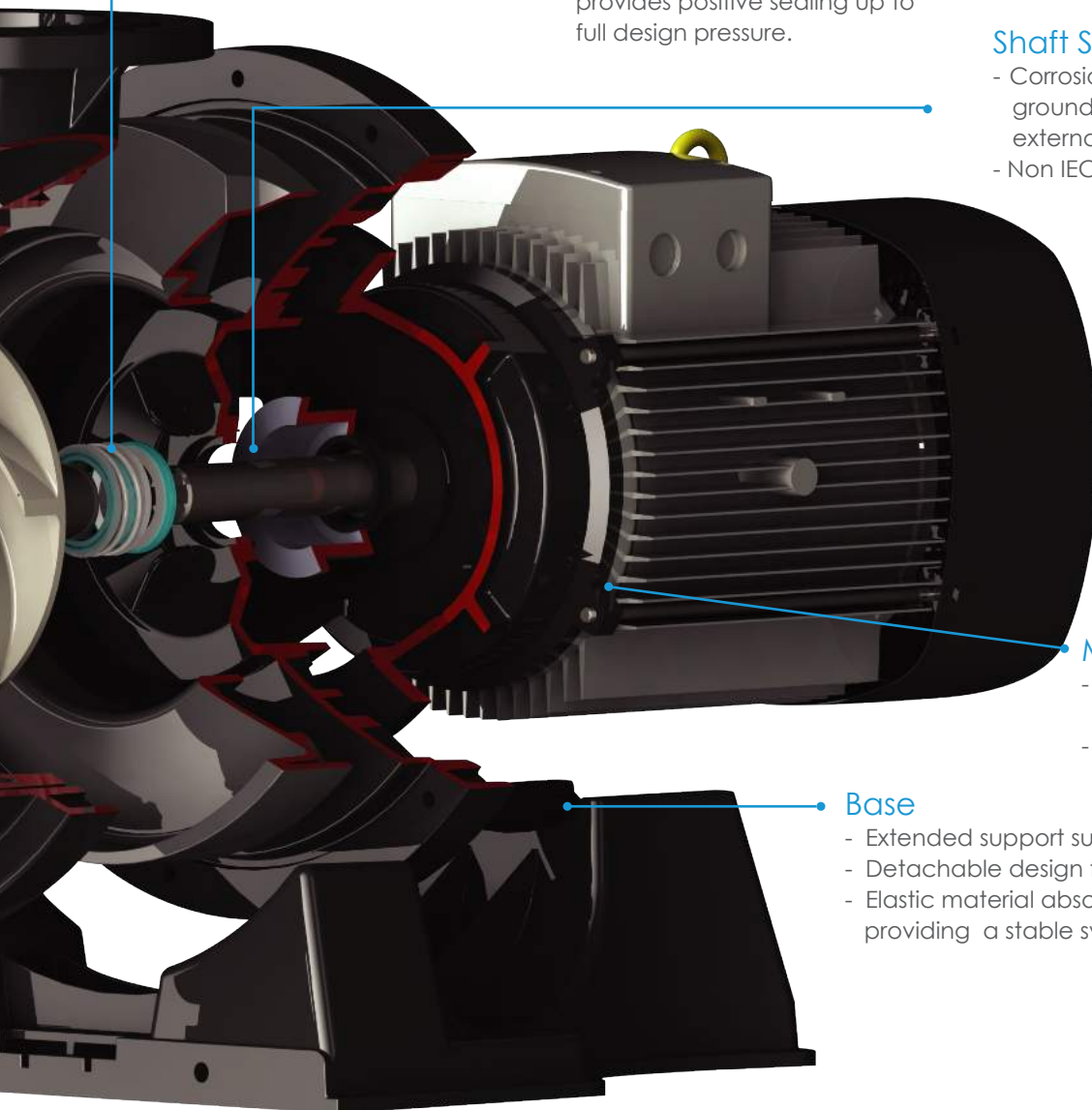
- Corrosion resistant 316 stainless steel, ground and polished to a smooth external surface
- Non IEC Extended shaft design

## Motor

- B5 type front end flange design for easy assembly
- Corrosion resistant PU coating

## Base

- Extended support surface area
- Detachable design for environmental fitting.
- Elastic material absorbs vibration and impact providing a stable system.

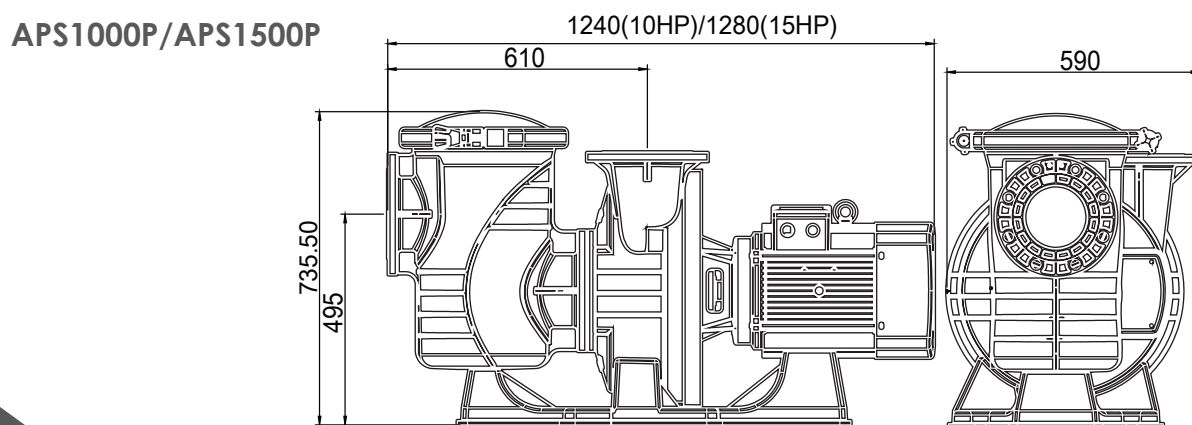
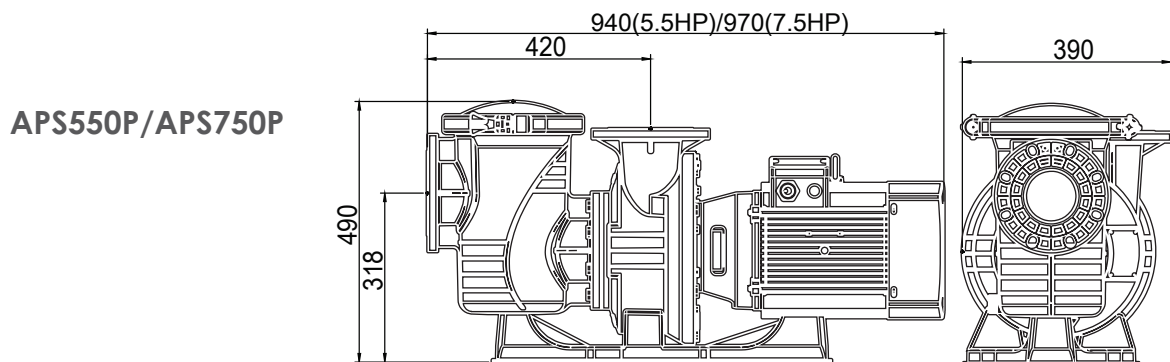


# Product Information

## Specification

Motor	Premium Efficiency IE3 Class Motor	Water Proof	IPX5
Design Methodology	Advanced computer 3D design modeling for CFD analysis	Flow Rate	Up to 280m <sup>3</sup> /h
Design Reference (Applicable only)	ISO 5199 : 2002	Differential Head	Up to 22m
Operating Pressure	0-2 bar 25°C to 35°C	Insulation System	Class F
Temperature Range	0°C to 45°C (Water) 0°C to 45°C (Ambient)	Flange Standard	DIN (PN10) ANSI (Class150)

## Product Dimension

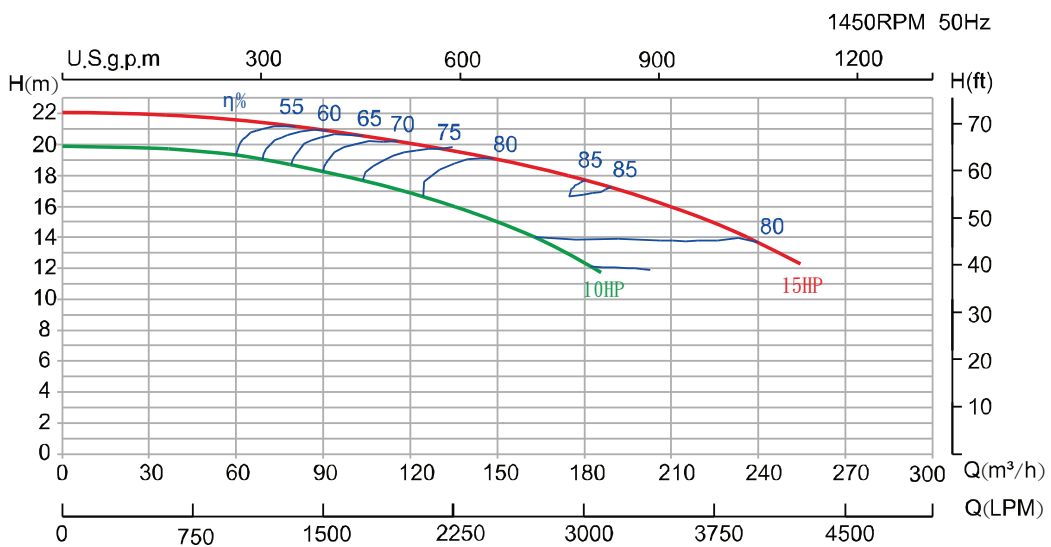
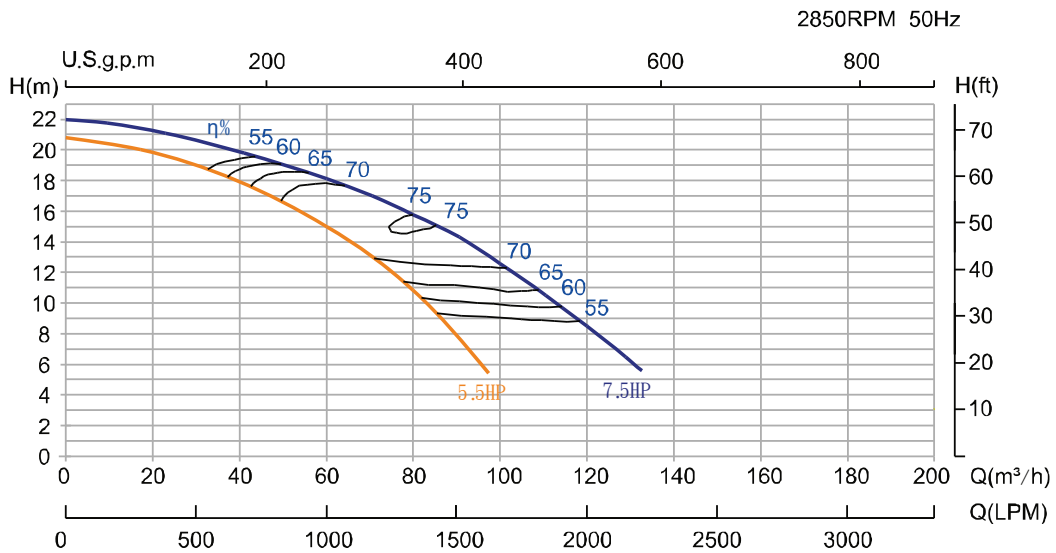


Self-Priming Pump: APS550P, APS750P  
Centrifugal Pump: APS1000P and APS1500P

Code 380V/50Hz	Model	Connection Size ANSI / DIN	Horsepower (hp)	Strainer Vol (L)	RPM	Power (kW)	Noise (dB)	Head (m)					
								6	8	10	12	14	16
								Flow Rate (m³/h)					
9023901	APS550P	4"/DN100	5.5	13	2850	4	72	95	90	82	75	65	50
9023902	APS750P	4"/DN100	7.5	13	2850	5.5	72	130	120	110	105	90	80
9023903	APS1000P	6"/DN150	10	30	1450	7.5	68	--	210	185	180	160	135
9023904	APS1500P	6"/DN150	15	30	1450	11	68	--	270	260	250	240	210

\*Three phase

## Technical Information



**EMAUX WATER TECHNOLOGY CO., LTD**

ADDRESS: 2/F, Lockhart Centre, No. 301-307 Lockhart Road,  
Wanchai, Hong Kong

PHONE +852 2832 9880

[www.emauxgroup.com](http://www.emauxgroup.com)

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