

Hydrau-Power Commercial Pump

EXCELLENT HYDRAULIC EFFICIENCY UP TO 91%

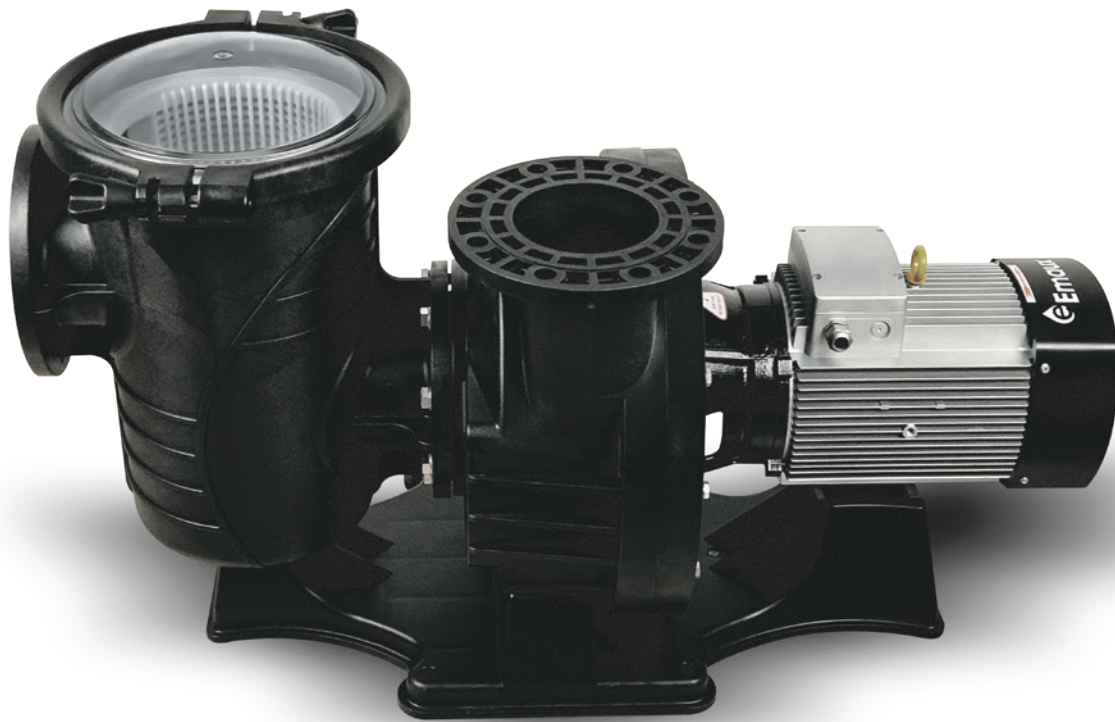
For commercial pools, aquatic parks, and seawater facilities



 **Emaux**
water technology

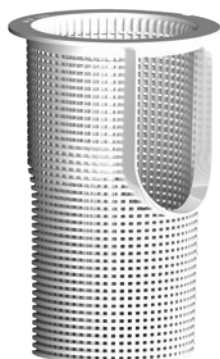
Pool & Spa Equipment

Product Features



EXCELLENT HYDRAULIC EFFICIENCY UP TO 91%

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. 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

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



Physical Structure

Lid

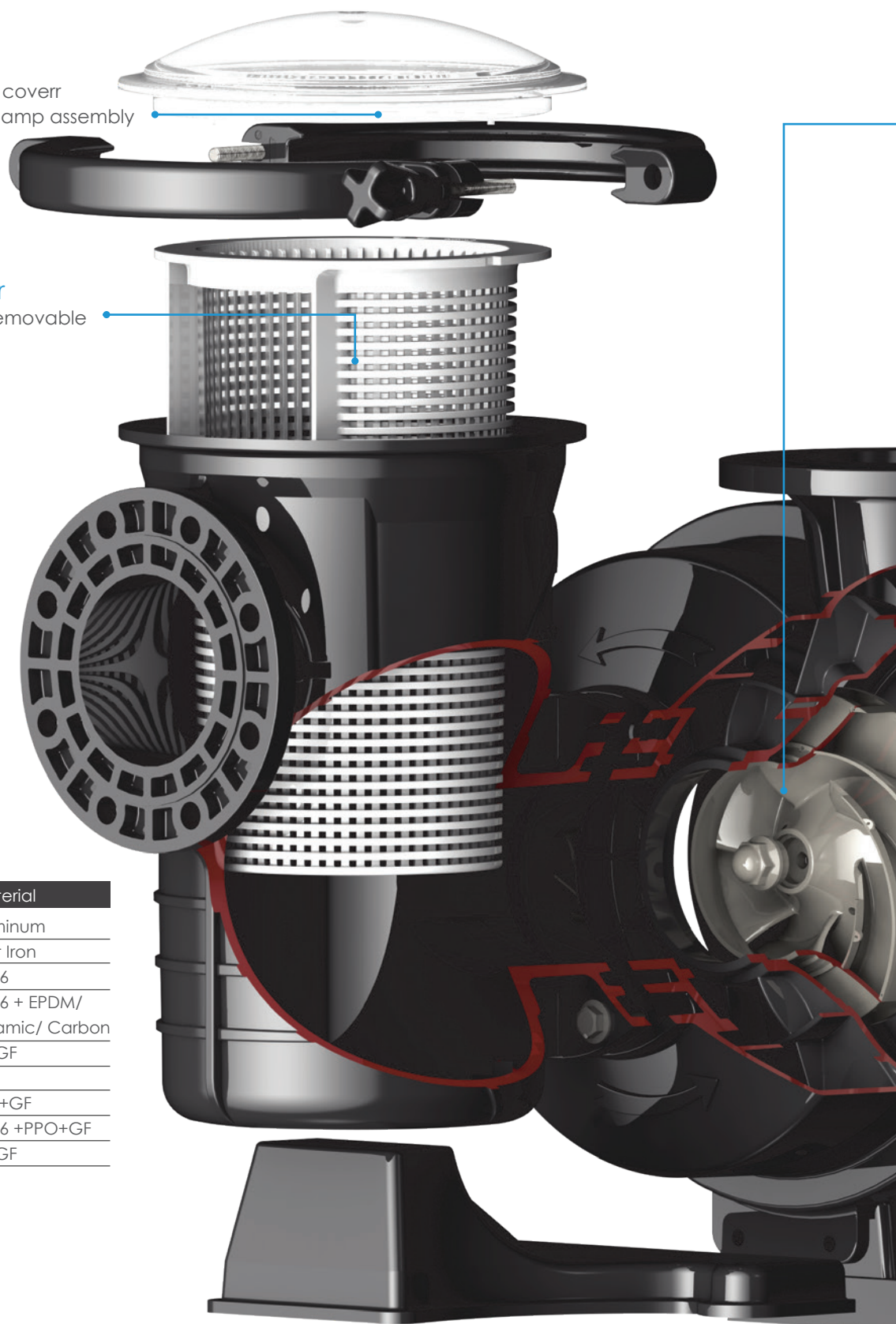
- Large transparent cover
- Easy screw type clamp assembly

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

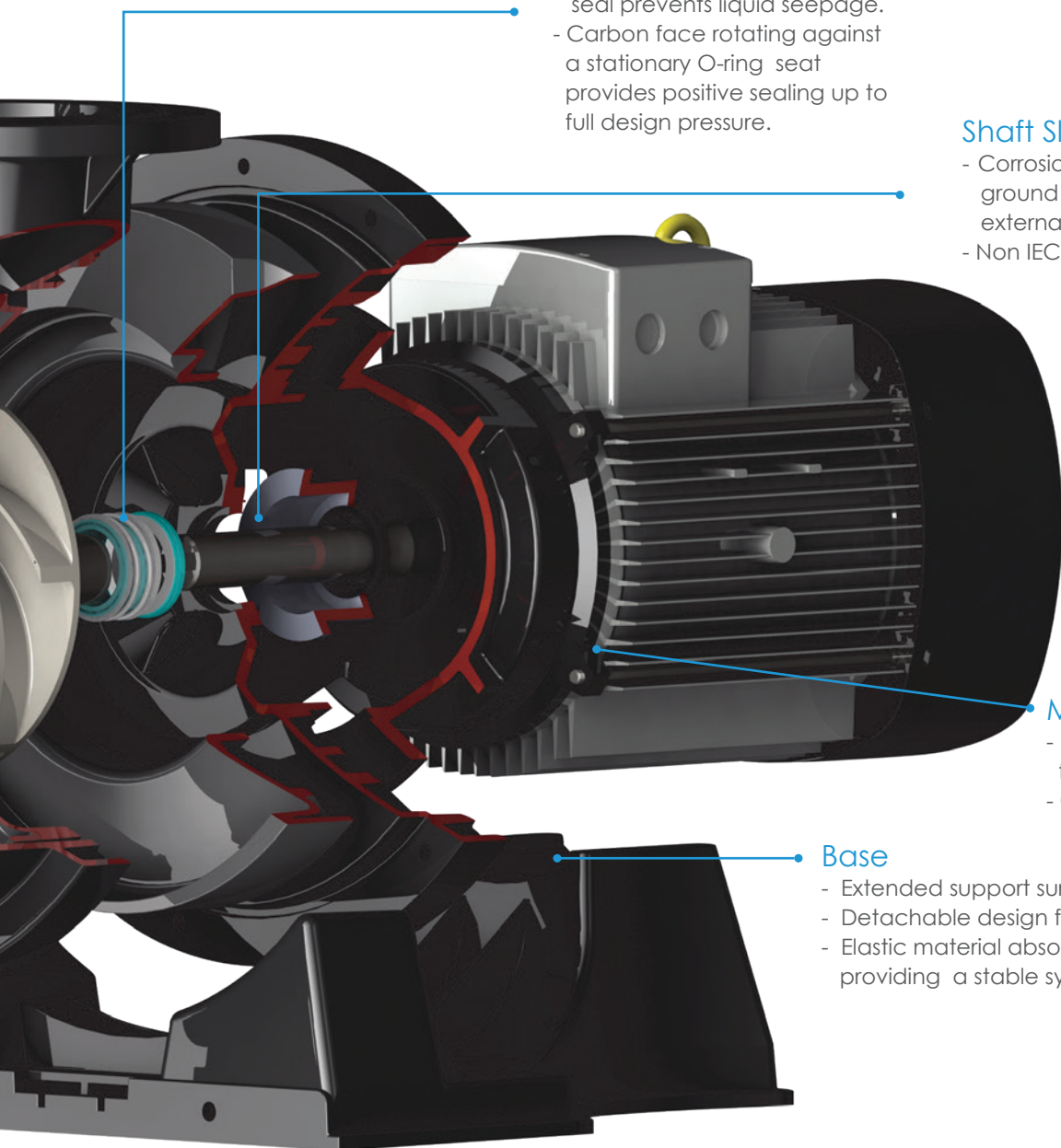
- Corrosion resistant 316 stainless steel, ground and polished to a smooth external surface
- Non IEC Extended shaft design

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.



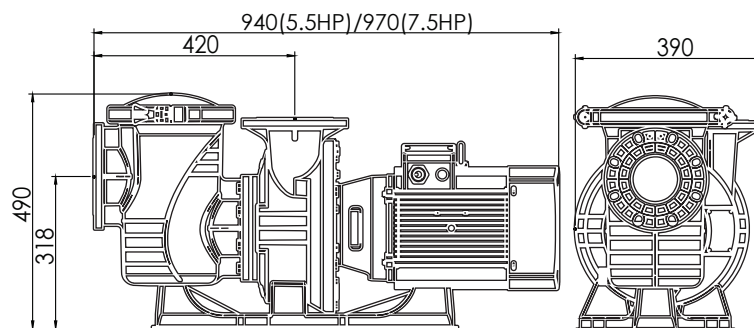
Product Information

Specification

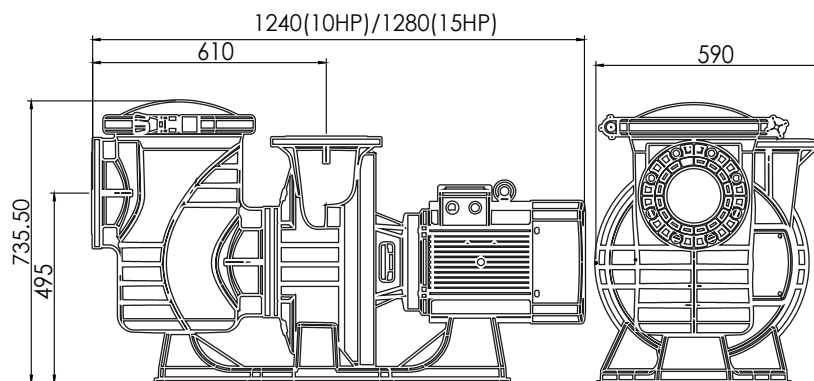
Motor	Premium Efficiency IE3 Class Motor	Water Proof	IPX5
Design Methodology	Advanced computer 3D design modeling for CFD analysis	Flow Rate	Up to 280m ³ /h
Design Reference (Applicable only)	ISO 5199 : 2002	Differential Head	Up to 22m
Operating Pressure	0-2 bar 25°C to 35°C	Speed	2 pole up to 2850 rpm 4 pole up to 1450 rpm
Temperature Range	0°C to 45°C (Water) 0°C to 45°C (Ambient)	Motor Insulation	Class F
Flange Standard	DIN (PN10) ANSI (Class150)		

Product Dimension

APS550P/APS750P



APS1000P/APS1500P



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

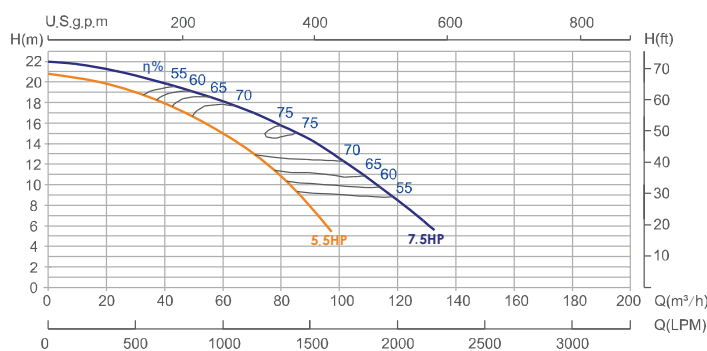
Product Information

Code 400V/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
Code 400V/60Hz*	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)					
9023905	APS550P	4"/DN100	5.5	13	3400	4	78	85	80	70	65	50	40
9023906	APS750P	4"/DN100	7.5	13	3400	5.5	78	115	110	100	90	80	70
9023907	APS1000P	6"/DN150	10	30	1750	7.5	72	--	210	180	160	140	120
9023908	APS1500P	6"/DN150	15	30	1750	11	72	--	270	240	225	200	180
Code 230/460V 60Hz*	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)					
9023909	APS550P	4"/DN100	5.5	13	3400	4	78	85	80	70	65	50	40
9023910	APS750P	4"/DN100	7.5	13	3400	5.5	78	115	110	100	90	80	70
9023911	APS1000P	6"/DN150	10	30	1750	7.5	72	--	210	180	160	140	120
9023912	APS1500P	6"/DN150	15	30	1750	11	72	--	270	240	225	200	180

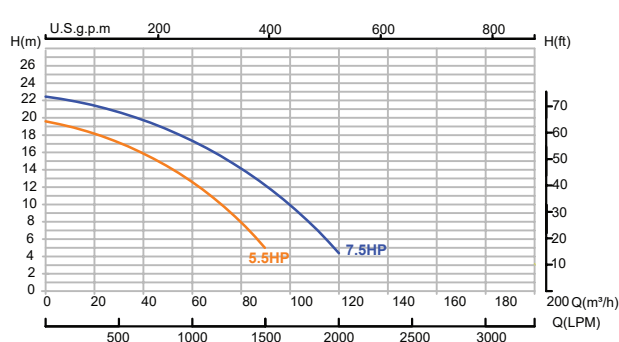
*Three phase model

Technical Information

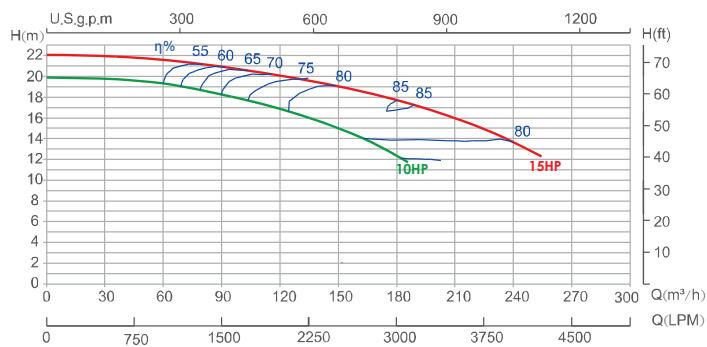
2850RPM 50Hz



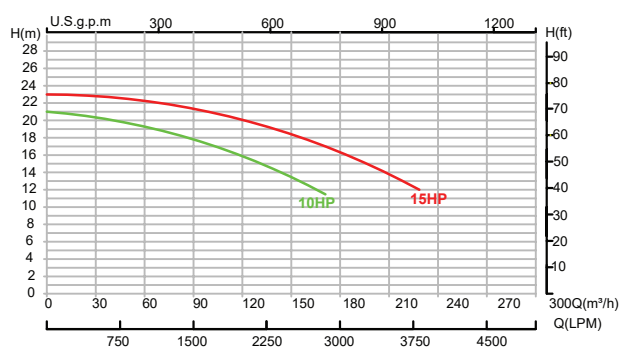
3400RPM 60Hz



1450RPM 50Hz



1750RPM 60Hz



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