

# Rotorflush Topaz 600 Range Self-cleaning Filterpumps

## General Specifications

### General Arrangements



### Key Features

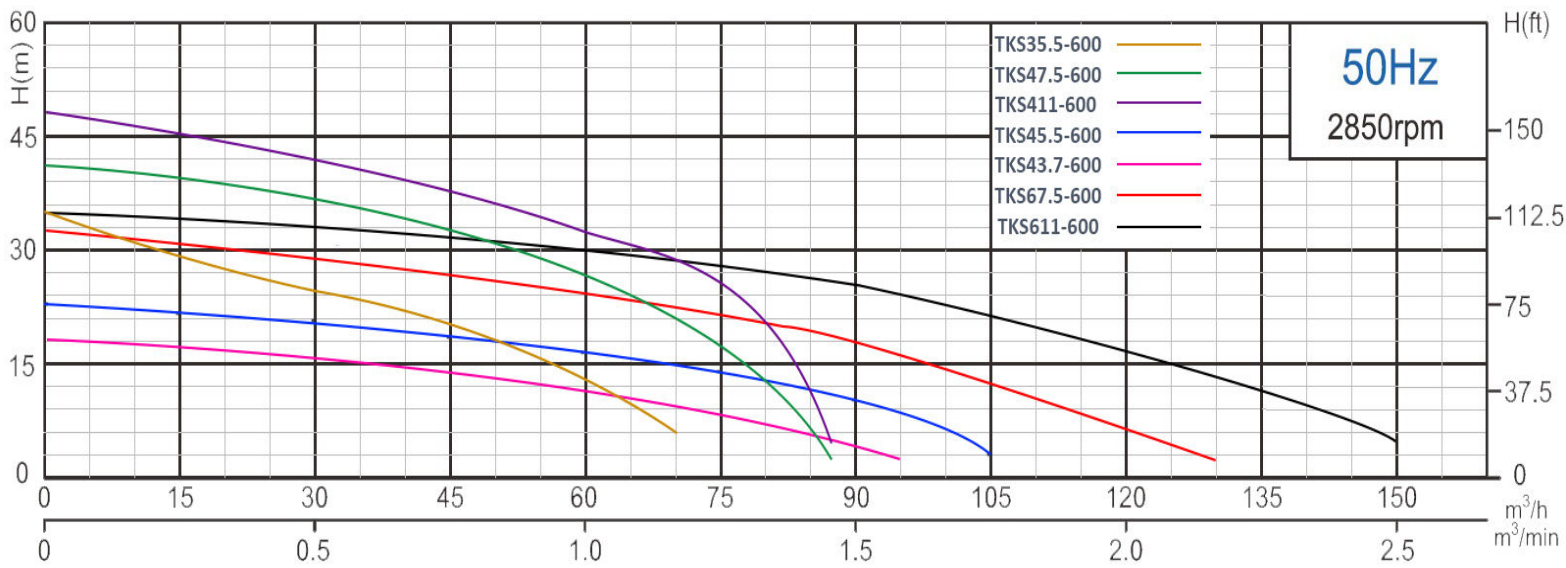
- Cast Iron / stainless steel motor casing
- Stainless steel intake and filter mesh
- Internal overload monitoring (thermal cutout)
- Filter mesh 315 micron to 6mm
- Very low maintenance filtration
- 150 cubic metres per hour maximum flow
- Operates down to 25m depth
- Chromium alloy pump impeller
- 10m cable (longer cable can be fitted)
- Reduced capital, installation and maintenance

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### Models and Specifications

Model	Volts	kW	Rated Current Amps	Outlet (mm)	Max m3/hr	Max Head (m)
TKS43.7-600	400	3.7	7.7	100	95	18
TKS35.5-600	400	5.5	11.4	80	72	35
TKS45.5-600	400	5.5	11.4	100	105	23
TKS47.5-600	400	7.5	15	100	88	41
TKS67.5-600	400	7.5	15	150	130	32
TKS411-600	400	11	22	100	86.4	48.5
TKS611-600	400	11	22	150	150	34



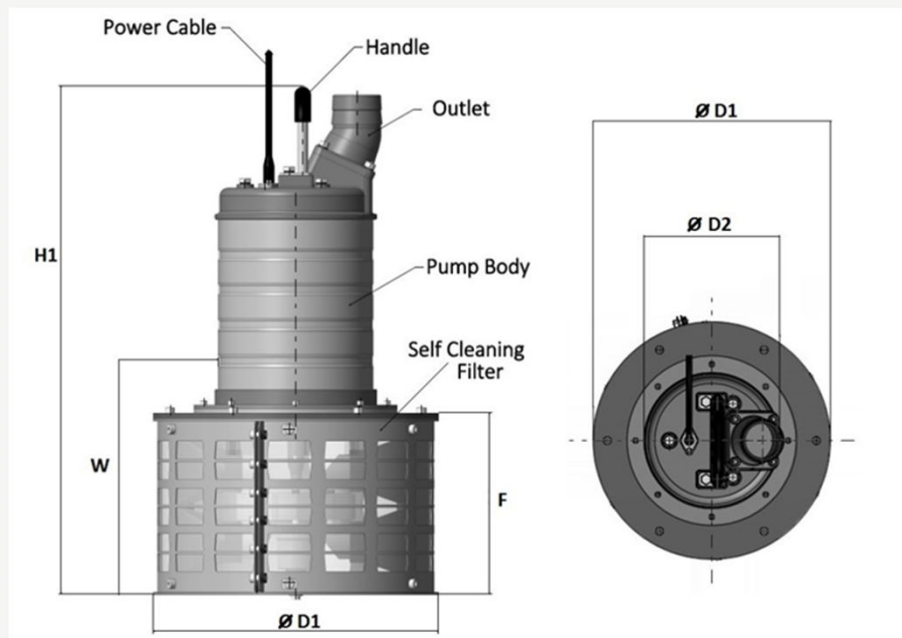
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### Dimensions and Weights

Model	Height (mm) H1	Filter Diameter (mm) D1	Filter Pump Diameter (mm) D2	Filter Height (mm) F	Weight (kg)	Minimum Water Level (mm)
TKS43.7-600	956	655	300	476	156	550
TKS35.5-600	971	655	300	476	161	550
TKS45.5-600	996	655	300	476	162	550
TKS47.5-600	1151	655	323	476	203	600
TKS67.5-600	1151	655	323	476	205	600
TKS411-600	1195	655	323	476	218	600
TKS611-600	1195	655	323	476	220	600

\*Dimensions and weights are approximate



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### Self-cleaning Filterpump Construction

Filterpump Body	
Component	Construction
Motor Casing	Cast Iron
Outer Casing	AISI304SS
Impeller	Ductile Iron
Cable	H07RN-F
Double Mechanical Seal	Sic/Sic

Self-cleaning Filter Construction	
Filter Screen Area	5600cm <sup>2</sup>
Standard Screen Sizes	300 micron, 315 micron, 1mm, 2mm, and 3mm
Filter mesh	Nylon mesh, polypropylene insert (300 micron) Sintered stainless steel mesh (315 micron) Stainless steel woven mesh (1mm and 2mm) Stainless steel perforated mesh (3mm)
Impeller Extension Shaft	Stainless Steel
Impeller	Stainless steel
Rotor	ABS (Acrylonitrile Butadiene Styrene)
Rotor Bearings	Silicon Carbide
Filter Cage	Stainless Steel
Cleaning Jets	Natural Rubber Jets, Stainless Steel Clips