



# WALRUS®

## GPD Series 60Hz Circulator Pump



ISO 9001



### Applications

GPD series circulator pumps are specifically designed for single and double-heating systems, and domestic hot-water systems, i.e. boiler/hydronic heating, ground source heat pumps, solar water heating, and hot-water recirculation. The pumps can also be used to supply water circulation for cooling air-conditioning systems.

### Suitable Liquids

Clean water without any solid particles, fibers and mineral oil, or non-corrosive and non-explosive liquids.

### Operation Conditions

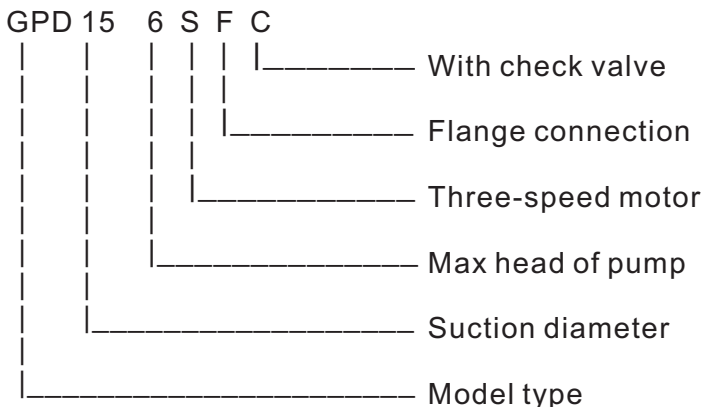
- Ambient temperature: Max. 104°F (40°C)
- Liquid temperature: 36°F (2°C) ~ 230°F (110°C)
- System pressure: Max. 145 psi.
- To avoid NHP damage to the pump bearing, the inlet minimum water pressure should be maintained as follow:

Liquid Temperature	185°F / 85°C	194°F / 90°C	230°F / 110°C
Pressure	1.6ft / 0.7psi	9.8ft / 4.1psi	32.8ft/14.5psi

### Installation

- The main parts of the pump include: pump body, impeller, stator, rotor, shielded sets, and vent plug.
- The pump does not use mechanical seal; stator and rotor are sealed with stainless steel. The overall pump structure is sealed with two heat-resistant rubber gaskets to avoid leakage.
- The pump bearing is lubricated and cooled by the pumped water.
- The motor is class H with thermal protection.
- **Pump shaft must be installed horizontally.**

### Product Code



# Walrus America Inc

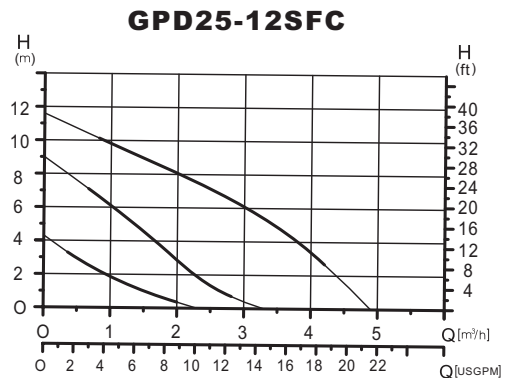
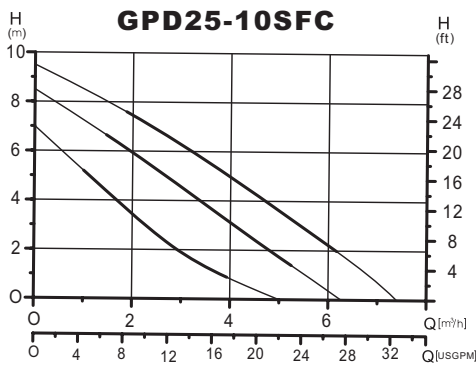
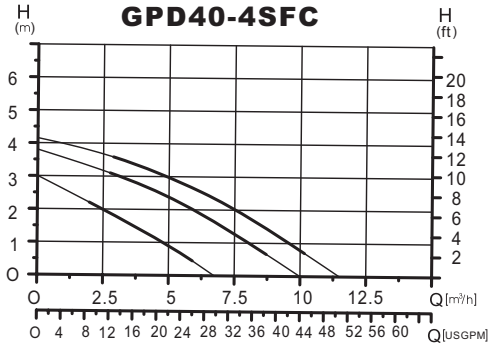
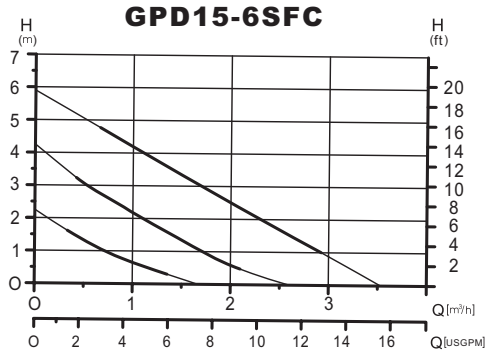


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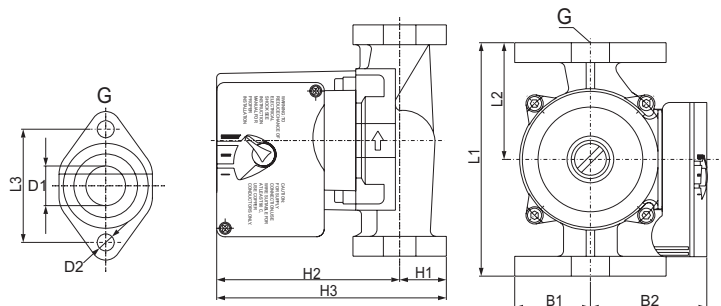


### Parameter of Performance

Model	Input Power (W) H/M/L	Rated Current (A) H/M/L	Max. Head (ft)	Capacitance ( $\mu$ f)	Flange (NPT)
GPD15-6SFC	100/70/55	0.9/0.7/0.5	19	10	1"
GPD25-10SFC	230/190/135	2.0/1.7/1.2	33	20	1"
GPD25-12SFC	230/190/135	2.0/1.7/1.2	39	20	1 1/2"
GPD40-4SFC	230/190/135	2.0/1.7/1.2	13	20	1 1/2"

### Material

Parts	Material
Pump Body	Cast Iron / Bronze
Impeller	Engineering Plastics PEI
Shaft	Ceramic
Shaft Block	SUS 304
Thrust Bearing	Impregnated Graphite
Bearing	Ceramic
Housing	SUS 304



Model	Dimension (inch)										Weight (lbs)	
	H1	H2	H3	L1	L2	L3	B1	B2	D1	D2	N.W.	G.W.
GPD15-6SFC	1.4	4.0	5.4	6.4	3.2	3.1	2.1	3.0	0.6	0.5	6.6	9.3
GPD25-10SFC	1.4	4.5	5.9	6.5	3.6	3.1	1.9	3.2	1.3	0.5	9.9	12.8
GPD25-12SFC	1.4	4.7	6.1	6.5	3.2	3.1	2.1	3.2	1.1	0.5	11.0	13.9
GPD40-4SFC	1.6	5.1	6.7	8.5	4.2	3.4	2.4	3.2	1.6	0.5	13.2	16.8

## Walrus America Inc

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All specifications are subject to change without notice.