

ARMSTRONG



James Electric

Three Speed Wet Rotor Circulators

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Armstrong Astro 30-3 and Astro 50-3 three speed wet rotor circulators

- ▶ Extra quiet operation for residential, office commercial, hospital or educational institutions
- ▶ Maintenance free
- ▶ Integral manual air vent
- ▶ Backed by Armstrong's 2-year "no hassle" warranty
- ▶ Reduces wholesaler inventory requirements dramatically

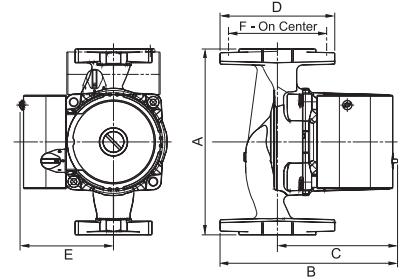
Together, the Astro 30-3 and Astro 50-3 can replace most competitive water lubricated pumps up to 1/20 hp

▶ Technical Data

Flow Range: 0 to 20 USgpm (0 to 1.26 L/s)
 Head Range: 0 to 22 ft (0 to 6.7 m)
 Motor: 2-pole, 115 V, single phase, 60 Hz
 Max. Fluid Temperature*: 230°F (110°C)
 Max. Working Pressure: 140 psi (965 kPa)

▶ Materials of Construction

Pump Body: Cast iron (closed systems),
 Bronze (open systems)
 Impeller: Polypropylene (glass filled)
 Shaft: Stainless steel
 Bearings: Graphite
 Gasket Material: EPDM



▶ Dimensions and Weights

Bronze	A	B	C	D	E	F	Connection Type & Size	Weight
Astro 30B-3	6.38 (162)	7.13 (180)	5.13 (130)	4.00 (102)	3.38 (86)	3.25 (80)	Flange - (2) 0.50" dia. bolt holes	7.0 (3.2)
Astro 50B-3	6.38 (162)	7.13 (180)	5.13 (130)	4.00 (102)	3.38 (86)	3.25 (80)	Flange - (2) 0.50" dia. bolt holes	7.4 (3.4)

Cast Iron	A	B	C	D	E	F	Connection Type & Size	Weight
Astro 30-3	6.38 (162)	7.13 (180)	5.13 (130)	4.00 (102)	3.38 (86)	3.25 (80)	Flange - (2) 0.50" dia. bolt holes	6.5 (2.9)
Astro 50-3	6.38 (162)	7.13 (180)	5.13 (130)	4.00 (102)	3.38 (86)	3.25 (80)	Flange - (2) 0.50" dia. bolt holes	6.8 (3.1)

Note: All dimensions are in inches (mm) and weights are in lbs (kg).

▶ Motor Data

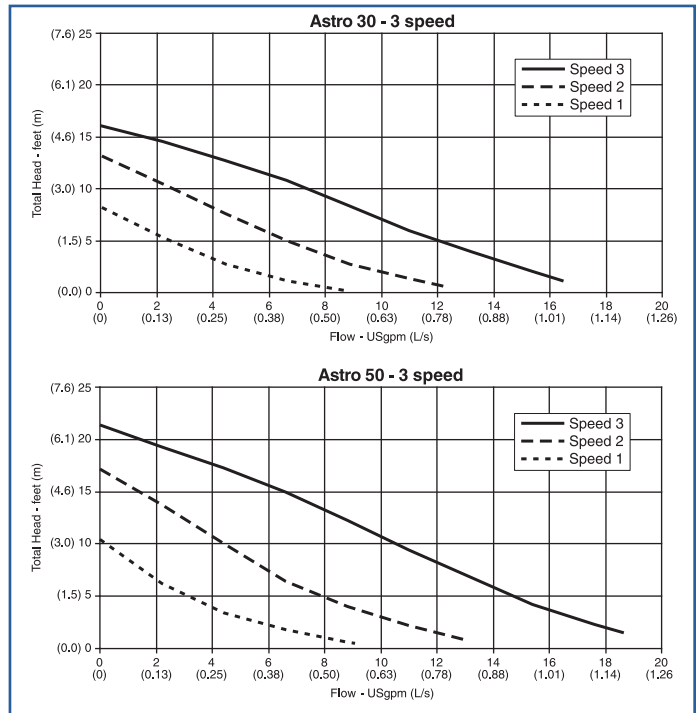
Model	Speed	Full Load Amp Draw (A)	Nominal Power (hp)
Astro 30-3	3	0.68	1/25
	2	0.58	
	1	0.40	
Astro 50-3	3	0.90	1/20
	2	0.76	
	1	0.52	

▶ Typical Specifications

Furnish and install, as shown on the plans, Armstrong three speed selectable circulating pump model Astro 30-3 [or Astro 50-3] with bronze/cast iron body and polypropylene impeller. The pump shall have a capacity of ____ USgpm (L/s) against a total head of _____ ft (m). Armstrong Astro Series are 115 V/single phase/60 Hz and are cUL_{US} listed.

*Since water conditions (i.e. dissolved solids) can vary with geographical location, it is recommended that the operating temperature of the fluid for open (potable) systems be kept as low as possible (i.e. below 150°F or 65°C) to avoid precipitation of calcium.

▶ Performance Curves



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