SERIES 'I' SELF-PRIMING CENTRIFUGAL PUMPS

BULLETIN
PP-631F
JAN 2021

HORIZONTAL ... LONG or CLOSE COUPLED

CHEMICALS / WASTES / ACIDS
INDUSTRIAL LIQUIDS / OILFIELD
AQUACULTURE / AGRICULTURE



CLOSE COUPLED ELECTRIC



HYDRAULIC



GASOLINE ENGINE



PEDESTAL MOUNTED

- **Corrosion resistant materials**
  Stainless steel casing, fiberglass reinforced polyester, polypropylene or Ryton® internals with choice of elasto mers. See chemical resistance chart for compatibility.
- **Suction lift to 20 feet (6m) vertical***
- **Flows to 170 GPM or 75 feet TDH**
  (To 650 LPM or 23m TDH)
- **Dual ports 1-1$^{1/2}$" female and 2" male NPT or BSP**
- **Built-in check valve and double flush volute**
- **Close coupled, long coupled or pedestal mounted**
- **Gasoline engine, TEFC electric, or hydraulic motors**
- **Wetted metallic components are 316 stainless steel**

SERIES 'I' self-priming pumps are constructed with 316 stainless steel housing, fiberglass reinforced polyester, polypropylene or Ryton® internals, EPDM, Buna-N or Viton® elastomers, 304SS external hardware and quick release clamp. All pumps include a built-in check valve and a double flush volute. Series 'I' pumps are close coupled to gasoline engines, electric motors, or hydraulic motors to fit most power requirements. They may also be pedestal mounted for long coupling to electric or gasoline drivers; or for flexible coupling to the users driver. This lightweight, self priming pump provides corrosion resistance and efficient performance for a wide variety of water and corrosive liquid applications.

* Based on water-like liquids at 70 degrees F and at 3450 RPM after initial priming of pump housing.
* Consult factory for model numbers containing Ryton® components.

SERIES 'I' SELF-PRIMING PUMP specifications



PEDESTAL MOUNTED

Pump with electric, hydraulic, close-coupled or pedestal mounted for flexible coupling

Pump constructed with stainless steel housing. Glass reinforced internal parts, stainless steel housing clamp and internal fasteners, EPDM elastomers and check valve, polypropylene baseplate with close-coupled electric motors, and steel baseplates with close-coupled hydraulic models. Motor shafts are extended with 316SS shaft adapter. Consult factory for polypropylene and Ryton® internal components



CLOSE COUPLED ELECTRIC

FLOW CURVE LETTER (RPM)	PORT SIZE	MAX. FLOW RATE		MAX. TDH		HP REQ'D	Hz	MODEL NUMBER	PRICE CODE NUMBER	ADD TO MODEL & PRICE CODE NO...	
										ELECTRIC MOTOR 60 Hz	
	in.	GPM	LPM	ft.	m					115/230/V/1/60 TEFC	230/460V/3/60 TEFC
G (3450)	1 1/2/2	170	--	72	--	3	60	ISE2GL-	58-52G4	C3.0C	D3.0C
G (2850)	"	--	580	-	16	2	50*	ISE2GL -	58-52G	**HYDRAULIC**	**PEDESTAL**
G (3450)	1 1/2/2	170	650	72	22	3	--	ISE2GL -	58-52G4	HYC	CSS
G (2900)	1 1/2/2	140	530	50	15	2	--	ISE2GL -	58-52G4	--	--

*Consult factory for 50 Hz motors



HYDRAULIC

PUMP WITH GASOLINE ENGINE DRIVE

Pump constructed with 316 stainless steel housing. Glass reinforced polyester internal parts, 304 stainless steel housing clamp, 316 SS internal fasteners, EPDM O-rings, gasket, and check valve. Engine shaft shielded with heat shrink polyethylene tubing.

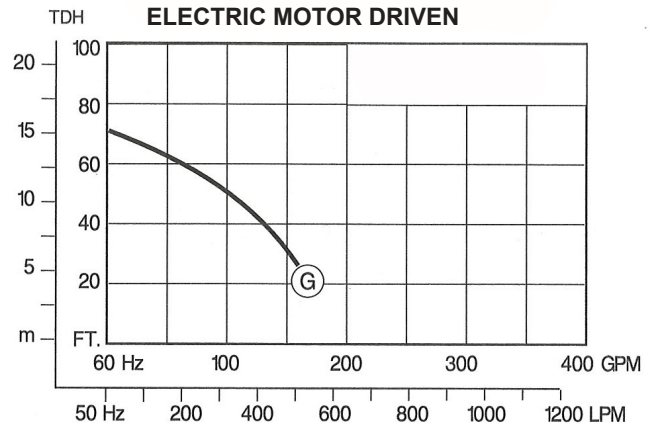


GASOLINE ENGINE

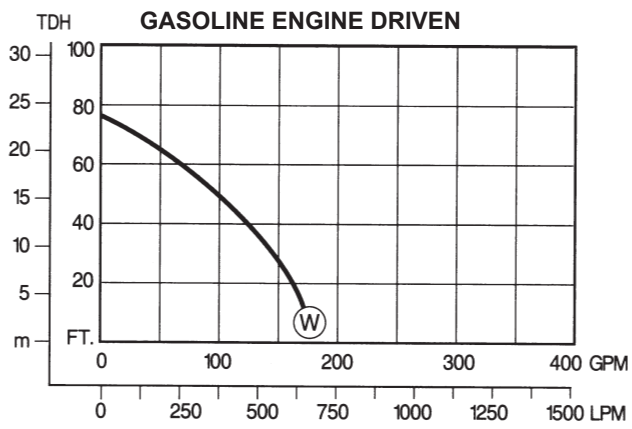
FLOW CURVE LETTER (RPM)	PORT SIZE	MAX. FLOW RATE		MAX. TDH		HP REQ'D	SHIP WT.	MODEL NUMBER	PRICE CODE NUMBER	ADD TO MODEL & PRICE CODE NO... GASOLINE ENGINE	
	in.	GPM	LPM	ft.	m						
W (3600)	1 1/2/2	170	650	75	23	3 or 5	50	ISE2WL-	58-52W4	E550(B&S)	E950 (B&S) E5HCP (HONDA)

NOTE: All gasoline engine drive SERIES 'I' pumps come with roll cage as shown.

FLOW CURVES



Flow curves based on water S.G. = 1.0, 2" connections



Specifications subject to change without notice

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