

### Series 115 – General Purpose Pumps



Series 115 pumps are designed and engineered for small capacity applications to suit light and medium service duties. They operate equally well in both directions and possess excellent vacuum developing characteristics. The “gear-within-a-gear” pumping principle with cushioned positive flow action, assures non-pulsating transfer of liquid. They can handle most liquids thin or thick and their compact design fits into most space restrictions. The series ideally suited for direct drives at nominal motor speed of 950 to 1750 RPM and reducer or belt drive down to 100 RPM. With 4 different port orientations and a broad material selection, the 115 Series defines versatility.

**Capacities – to 114 l/min (30 USGPM)**  
**Differential Pressures – to 690 kPa (100 PSI)**  
**Temperatures – to 232°C (450°F)**  
**Viscosities – to 55,000 cSt (250,000 SSU)**

#### Standard Construction

Casing, Head, Bracket	Rotor (2)	Idler	Shaft	Idler Pin	Idler Bushing	Casing Bushing	Shaft Seal (3)(4)	Integral Relief Valve (5)
Cast Iron	Iron	Iron	Steel	Hd. Steel	Bronze	Bronze	C-1065 Packing	Iron / Bronze Fitted

#### Specifications

Model No.	Port Size (Inch)	Nominal Pump Rating At 345 kPa (50 PSI) 21 cSt (100 SSU)			Motor Power Required Based on Rated Speed 21 cSt (100 SSU)				Maximum Hydro-Static Pressure		Max. Rec. Discharge Pressure Over 21 cSt (100 SSU)		Maximum Recommended Temperature (1)				Approx. Shipping Weight	
					345 kPa (50 PSI)		690 kPa (100 PSI)						Packed		Mech. Seal			
		GPM	l/min	RPM	HP	kW	HP	kW	PSI	kPa	PSI	kPa	°F	°C	°F	°C	LB	KG
G-115	¼ NPT 90°	4.5	17	950	0.5	0.37	0.75	0.55	400	2758	100	690	450	232	225	107	31	14
		6	23	1150	0.5	0.37	0.75	0.55										
		7.2	27	1450	0.75	0.55	1	0.75										
		9.5	36	1750	1	0.75	1	0.75										
GX2-115	1 NPT 180°	4.5	17	950	0.5	0.37	0.75	0.55	400	2758	100	690	450	232	225	107	31	14
		6	23	1150	0.5	0.37	0.75	0.55										
		7.2	27	1450	0.75	0.55	1	0.75										
		9.5	36	1750	1	0.75	1	0.75										
H-115	1 NPT 90°	8	30	950	0.75	0.55	1.5	1.1	400	2758	100	690	450	232	225	107	31	14
		10	38	1150	0.75	0.55	1.5	1.1										
		12.5	47	1450	1	0.75	2	1.5										
		15	57	1750	1.5	1.1	2	1.5										
HX4-115	1 ½ NPT 90°	17	64	950	1	0.75	2	1.5	400	2758	100	690	450	232	225	107	33	15
		20	76	1150	1	0.75	2	1.5										
		25	95	1450	1.5	1.1	3	2.2										
		32	121	1750	2	1.5	3	2.2										

- Consult Factory For Higher Temperatures
- Models G-115 and GX2-115 standard rotor is Ductalloy.
- Buna-N elastomers used in mechanical seal. Viton or Teflon elastomers available upon request
- C-1045 Teflon Food Grade packing and 1625-GF high temperature graphite packing available as options.
- Standard Relief Valve is iron, bronze fitted. All iron relief valve available upon request.