

### Series 75/475 – General Purpose Pumps



For compactness, less weight and simplicity of mounting, VICAN Series 75 (Lip Seal) and 475 (Mechanical Seal) Close Coupled Pumps are ideal for direct connecting to a wide variety of drive equipment. These "gear-within-a-gear", self-priming, positive displacement pumps are ideal for filtering, circulating, transferring, lubricating, or booster service. All Series 475 pumps are available with either Buna or Viton mechanical seal suitable for 100 PSI pressure. Series 75 comes with Buna lip seal suitable for 50 PSI. No modifications of parts are needed to convert from one seal to the other. Pump is provided with integral relief valve and mounted on casing to maintain extreme compactness.

**Capacities – to 114 L/M (30 USGPM)**

**Differential Pressures – to 3.45 Bar (50 PSI) Series 75 (Lip Seal)**

**6.90 Bar (100 PSI) Series 475 (Mechanical Seal)**

**Temperatures – to 177°C (350°F)**

**Viscosities – to 550 cPs (2500 SSU)**

#### Standard Construction - Series 75 and Series 475

Series	Casing	Head	Rotor (1)	Idler (2)	Idler Bushing	Shaft Seal (3)	Relief Valve
75	Iron	Iron	Iron	Iron	Bronze	Lip Seal	Iron
475	Iron	Iron	Iron	Iron	Carbon Graphite	Mech. Seal	Iron

#### Specifications:

Model No.	Port Size	Nominal Pump Rating At 50 PSI/345 kPa			Motor HP Required Based At Rated Speed 100 SSU/21 CS Liquid				Maximum Hydro-Static Pressure (4)		Max. Rec. Discharge Pressure Over 100 SSU		Maximum Recomm. Temperature (5)		Approx. Shipping Weight	
					25 PSI/ 173 kPa		50 PSI/ 345kPa									
					HP	kW	HP	kW								
G-75	1 NPT	4	15	950	0.5	0.37	0.75	0.55	400	2758	50	345	225	107	48	22
		5	19	1150												
G-475		6	23	1450												
		7	27	1750												
GG-75	1 NPT	5	19	950	0.5	0.37	0.75	0.55	400	2758	50	345	225	107	48	22
		7	27	1150												
GG-475		8	30	1450												
		10	38	1750												
H-75	1½ NPT	8	30	950	0.5	0.37	1	0.75	400	2758	50	345	225	107	80	36
		10	38	1150												
H-475		12.5	47	1450												
		15	57	1750												
HJ-75	1½ NPT	10	38	950	1	0.75	1.5	1.1	400	2758	50	345	225	107	85	39
		13	49	1150												
HJ-475		17	64	1450												
		20	76	1750												
HL-75	1½ NPT	15	57	950	1.5	1.1	2	1.5	400	2758	50	345	225	107	85	39
		20	76	1150												
HL-475		25	95	1450												
		30	114	1750												

1. "HL" size has ductalloy rotor

2. "G" and "GG" have steel idlers

3. Standard lip seal and mechanical seals are Buna. Viton mechanical seal available as option.

4. Lip Seal pump should not be subject to hydrostatic test. Neither type should be used on application having a suction pressure greater than 25 PSIG

5. Temperature based on the Buna N elastomer seal. For higher temperatures consult factory for recommendations.