



Carbonator-Mount Rotary Vane Pumps

- Max. fluid temp.: 158°F
- Max. operating pressure: 250 psi
- NSF rated, except 6XE82 and 6XE84

These positive displacement pumps run quietly, have low vibration and pulsation characteristics, and are virtually maintenance-free. They can handle many liquids with low lubricating characteristics at relatively high pressures. Flow remains constant over entire pressure range. Most models are self-priming (except 6XE92 and 6XE95). Metal-to-metal contact is eliminated, resulting in low starting torque. 303 stainless steel shaft, stainless steel rotors, and built-in relief valve. Pumps mount on NEMA 56C frame motors (adapter kit sold separately) for a coupling drive, or can be attached to a NEMA 48YZ motor with a V-band clamp. High-temperature plastic internal

bypass valve eliminates the need for an external relief valve on all models except 6XE92 and 6XE95. (6XE82 and 6XE84 have internal solid-brass bypass valves. Brass and stainless steel also available on all other models; call 1-800-GRAINGER (472-4643).

Pumps work with carbonated, deionized, or distilled water and moderately aggressive liquids—such as fire-resistant fluids, hydraulic oil, lubricants, coolants, insecticides, and soap. For use in dispensers, espresso machines, sprayers, filtration and water purification processes, team-cleaning and car-washing machines, pressure boosters, atomizing/misting humidification systems, circulation systems, laboratory pumps, pilot plants, boiler feeds, textile machines, and fire jockey pumps.



6XE79



6XE86



1MCX2

Inlet/Outlet NPTF (in.)	Max. Flow Rate (gph)	Min. Flow Rate (gph)	Filter Strainer	BRASS						STAINLESS STEEL		
				100 psi gph	100 psi HP	200 psi gph	200 psi HP	250 psi gph	250 psi HP	Mfr. Model	Item No.	Mfr. Model
3/8 in	25 gph	19 gph	100 Mesh	25 gph 1/4 hp	21 gph 1/4 hp	19 gph 1/2 hp	111A025F11CA 250	6XE97	—	—	—	—
	35 gph	19 gph	—	25 gph 1/4 hp	21 gph 1/4 hp	19 gph 1/2 hp	112A025F11CA 250	6XE96	—	113A025F31CA 250	5JKD4	
	35 gph	19 gph	100 Mesh	25 gph 1/4 hp	21 gph 1/4 hp	19 gph 1/2 hp	141A025F11CA 250	5JKE2 *	—	—	—	
	48 gph	29 gph	—	35 gph 1/4 hp	31 gph 1/4 hp	29 gph 1/2 hp	112A035F11CA 250	6XE79	—	113A035F31CA 250	6XE86	
	48 gph	29 gph	100 Mesh	35 gph 1/4 hp	31 gph 1/4 hp	29 gph 1/2 hp	111A035F11CA 250	6XE78 *	—	—	—	
	48 gph	29 gph	100 Mesh	35 gph 1/4 hp	31 gph 1/4 hp	29 gph 1/2 hp	141A035F11CA 250	5JKD8 *	—	—	—	
	73 gph	54 gph	—	60 gph 1/4 hp	56 gph 1/4 hp	54 gph 1/2 hp	112A060F11CA 250	6XE80	—	113A060F31CA 250	5JKD1	
	73 gph	54 gph	100 Mesh	60 gph 1/4 hp	56 gph 1/4 hp	54 gph 1/2 hp	111A060F11CA 250	6XE81 *	—	—	—	
	73 gph	54 gph	100 Mesh	60 gph 1/4 hp	56 gph 1/4 hp	54 gph 1/2 hp	141A060F11CA 250	5JKD9 *	—	—	—	
	82 gph	64 gph	—	70 gph 1/4 hp	66 gph 1/4 hp	64 gph 1/2 hp	—	—	—	113A070F31BA 250	6XE87	
	112 gph	94 gph	—	100 gph 1/4 hp	96 gph 1/4 hp	94 gph 1/2 hp	102A100F11PA 250	6XE82	—	113A100F31BA 250	6XE88	
	112 gph	94 gph	—	100 gph 1/4 hp	96 gph 1/4 hp	94 gph 1/2 hp	—	—	—	103A100F31RA 250	5JKD2	
1/2 in	112 gph	94 gph	100 Mesh	100 gph 1/4 hp	96 gph 1/4 hp	94 gph 1/2 hp	111A100F11AA 250	6XE83	—	—	—	
	112 gph	94 gph	100 Mesh	100 gph 1/4 hp	96 gph 1/4 hp	94 gph 1/2 hp	141A100F11AA 250	5JKE0 *	—	—	—	
	131 gph	121 gph	100 Mesh	126 gph 1/2 hp	122 gph 1/2 hp	120 gph 3/4 hp	141A125F11AA 250	5JKE1 *	—	—	—	
	154 gph	135 gph	—	141 gph 1/2 hp	137 gph 1/2 hp	135 gph 3/4 hp	102A140F11PA 250	6XE84	—	—	—	
	154 gph	135 gph	—	141 gph 1/2 hp	137 gph 1/2 hp	135 gph 3/4 hp	—	—	113A140F31BA 250	6XE89		
	154 gph	135 gph	—	141 gph 1/2 hp	137 gph 1/2 hp	135 gph 3/4 hp	—	—	103A140F31RA 250	5JKD3		
	154 gph	135 gph	100 Mesh	141 gph 1/2 hp	137 gph 1/2 hp	135 gph 3/4 hp	111A140F11AA 250	6XE85	—	—	—	
	154 gph	135 gph	100 Mesh	141 gph 1/2 hp	137 gph 1/2 hp	135 gph 3/4 hp	141A140F11AA 250	5JKE3 *	—	—	—	
	210 gph	178 gph	—	190 gph 1/2 hp	182 gph 1/2 hp	178 gph 3/4 hp	114B190F11BA 250	6XE93	—	115B190F31BA 250	6XE90	
	260 gph	228 gph	—	240 gph 1/2 hp	232 gph 1/2 hp	228 gph 1 hp	114B240F11BA 250	6XE94	—	115B240F31BA 250	5JKD6	
	275 gph	257 gph	—	263 gph 1/2 hp	259 gph 1 hp	257 gph 1 1/4 hp	—	—	—	115B265F31BA 250	6XE91	
	346 gph	326 gph	—	330 gph 1/2 hp	327 gph 1 hp	326 gph 1 1/4 hp	114B330F11XX	6XE95	—	—	—	
346 gph	326 gph	—	330 gph 3/4 hp	327 gph 1 hp	326 gph 1 1/4 hp	—	—	115B330F31XX	6XE92			

* Low lead.

Bronze Couplings—Couplings absorb most of the wear usually inflicted upon pump and motor shafts to protect both in the event of misalignment, extending pump/motor life. Can be easily and inexpensively replaced as needed. Use only with slotted rotors.

Bronze Couplings	For Use With	Shaft Dia. (in.)	Shaft Type	Mfr. Model	Item No.
114B190F11BA 250, 114B240F11BA 250, 114B330F11XX, 115B265F31BA 250, 115B330F31XX, Mfr. No. 115B190F31BA 250	Mfr. No. 3540	3/8 in	Double Flat/Slot	1143	1MCX2
		1/2 in	Double Flat/Slot	1143-4	1MCX3



34TL03



34TL04



34TL14



34TL23

Inlet/Outlet	Min. Flow (gpm)	By-Pass	Mounting	LOW-LEAD BRASS		STAINLESS STEEL	
				Mfr. Model	Item No.	Mfr. Model	Item No.
3/8 in FNPT	0.4 gpm	Yes	Carbonator	PB0071ANCNN0000	34TL07	—	—
	0.4 gpm			PB0071XNANN0000	34TL08 *	—	—
	0.5 gpm			PB0101XNANN0000	34TL11 *	PO0101BNCNN0000	34TL13
	0.5 gpm			PB0101ANCNN0000	34TL12	—	—
	1 gpm			PB0201XNANN0000	34TL18 *	PO0201BNCNN0000	34TL20
	1 gpm			PB0201ANCNN0000	34TL19	—	—
	1.6 gpm			PB0301TANN0000	34TK96 *	PO0301BNCNN0000	34TK98
	1.6 gpm			PB0301ANCNN0000	34TK97	—	—
	2.3 gpm			PB0401XNANN0000	34TK99 *	PO0401BNCNN0000	34TL02
	2.3 gpm			PB0401ANCNN0000	34TL01	—	—
	3.1 gpm			PB0601ANDNN0000	34TL03	PO0601BENN0000	34TL04
	4 gpm			PB0801ANDNN0000	34TL05	PO0801BENN0000	34TL06
1/2 in FNPT	5.5 gpm	No	Flange	PB1001ANDNN0000	34TL09	PO1001BENN0000	34TL10
	6.6 gpm			—	—	LO1200CNGNV0000	34TL14
	7.7 gpm			—	—	LO1400CNGNV0000	34TL15
	8.8 gpm			—	—	LO1600CNGNV0000	34TL16
	9.9 gpm			—	—	LO1800CNGNV0000	34TL17
	11 gpm			—	—	LO2000CNGNV0000	34TL21
1 in FNPT	12.1 gpm	No	Flange	—	—	LO2200CNGNV0000	34TL22
	—			—	—	—	

Rotary Vane Pumps



■ Max. temp.: 158°F ■ Max. pressure: 290 psi
These high-pressure pumps provide a steady liquid flow and feature a rugged 303 stainless steel rotor and a graphite vane. Suitable for use in beverage, dairy pasteurizing, liquid transfer, machine coolant, reverse osmosis, and water boosting applications. You can mount all carbonator mount pumps to any NEMA 48Y frame motor. Shaft Saver 34TL24 (sold separately) installs between the motor hub and pump to help reduce wear on the motor and pump shaft. Includes 2 clamps, collar, and coupling. Pumps are NSF compliant and suitable for use in potable water applications.

Description	Body Material	Mounting	Mfr. Model	Item No.
Accessories				
Adapter	Plastic	Flange and Clamp	22388-K	34TL23
Shaft Saver Kit	Glass Encapsulated Nylon	Clamp	92-01-04-DK	34TL24
V-Band Clamp	Stainless Steel	47.4mm dia Clamp	94-80-01	34LT25

*Strainer included.