



Coolant Pumps

- 3450 rpm motors
- Cast-iron bodies and volutes

Circulate coolant and spray cutting oil. Replacement filters on Grainger.com, search for coolant pump filters and cartridges. 3-phase pumps do not have overload protection, which must be provided by a starter unit sold separately, see page 160.

SUCTION

Mount above liquid level in all locations. Pumps require initial priming. Feature mechanical seals with carbon/ceramic shaft seal, Buna N elastomers, and steel springs. For all types of machines, except grinders.

Fuji—For use with cutting oil only. Install where ambient temp. range is -0°C to 40°C. For indoor use only.

- Max. fluid temp.: 104°F
- Max. viscosity: 340 SSU
- Max. suction lift: 2.3 ft.

Dayton—Mount pump upright only. Pump motor is not designed for immersion in liquid.

- Max. fluid temp.: 180°F
- Max. viscosity: 500 SSU
- Max. suction lift: 2 ft.

IMMERSION

- No bearings, seals, or packing
- Have outlets only

Ideal for pumping liquids with fine contaminants and can be run dry. For all types of machines, including grinders, and for applications with higher temperatures.

Fuji—For use with cutting oil only. Install where ambient temp. range is -20°C to 40°C.

- Max. fluid temp.: 200°F
- Max. viscosity: 683 SSU

Dayton—Pump motor is not suitable for immersion in liquid. Mount pump upright only.

- Max. fluid temp.: 180°F
- Max. viscosity: 500 SSU

HP	Phase	Voltage	Amps	Impeller Material*	Inlet/Outlet (in.)	GPM of Water @ Total ft. of Head				Shut-Off (ft.)	L (in.)	H (in.)	Max. Immersion Depth (in.)	Bolt Circle Dia. (in.)	Brand	Mfr. Model	Item No.			
						5	10	15	20											
Suction																				
1/20 hp	3	230/460	0.27/0.135	Plastic	1/4	7.2 gpm	5.9 gpm	3.8 gpm	—	—	—	19	7 1/4	7 3/16	—	5.11	Fuji Electric	VKN-043A-4Z	3P726	
1/2 hp	3	230/460	0.35/0.175	CB	3/8	8.3 gpm	5.9 gpm	4.7 gpm	—	—	—	19	8 3/8	8 1/8	—	5.2	Fuji Electric	VKN-053A-4Z	3P727	
1/8 hp	3	230/460	0.50/0.25	CB	3/8	17.1 gpm	14.4 gpm	10.6 gpm	—	—	—	21	8 3/8	8 1/8	—	5.2	Fuji Electric	VKN-063A-4Z	3P728	
1/8 hp	1	115/230	.7/35	Plastic	3/8	8 gpm	5 gpm	—	—	—	—	13	5 1/2	6 7/8	—	5.5	Dayton	3GRU6	3GRU6	
1/8 hp	3	230/460	.32/19	Plastic	3/8	8 gpm	5 gpm	—	—	—	—	13	5 1/2	6 7/8	—	5.5	Dayton	3GRU7	3GRU7	
1/4 hp	3	230/460	1/0.5	CB	1/2	—	32 gpm	28.5 gpm	22 gpm	11 gpm	—	—	34	9 1/8	9 1/16	—	6.3	Fuji Electric	VKN-073A-4Z	3P741
1/4 hp	1	115/230	3.0/1.5	Plastic	3/4	20 gpm	20 gpm	17 gpm	14 gpm	5 gpm	—	32	7 3/8	9	—	7.25	Dayton	3GRU8	3GRU8	
1/4 hp	3	230/460	.8/4	Plastic	3/4	20 gpm	20 gpm	17 gpm	14 gpm	5 gpm	—	32	7 3/8	9	—	7.25	Dayton	3GRU9	3GRU9	
1/8 hp	3	230/460	1.5/0.75	Plastic	3/4	54 gpm	47 gpm	36 gpm	28.5 gpm	20 gpm	—	34	9 3/8	9 3/8	—	6.3	Fuji Electric	VKN-083A-4Z	3P742	
1/2 hp	3	230/460	2.4/1.2	CB	1	62 gpm	59 gpm	55 gpm	51 gpm	40.5 gpm	—	40	12 1/4	12 1/16	—	7.09	Fuji Electric	VKN-093A-4Z	3P743	
1/2 hp	1	115/230	5/2.5	AL	3/4	32 gpm	32 gpm	30 gpm	26 gpm	18 gpm	5 gpm	42	7 3/16	12 1/4	—	8.06	Dayton	3GRV1	3GRV1	
1/2 hp	3	230/460	1.8/1.2	AL	3/4	32 gpm	32 gpm	30 gpm	26 gpm	18 gpm	5 gpm	42	7 3/16	12 1/4	—	8.06	Dayton	3GRV2	3GRV2	
3/4 hp	3	230/460	2.6/1.6	AL	1	43 gpm	43 gpm	43 gpm	43 gpm	35 gpm	25 gpm	55	8	12 1/4	—	8.62	Dayton	3GRV3	3GRV3	
1 hp	3	230/460	3.2/1.9	AL	1	48 gpm	48 gpm	48 gpm	48 gpm	40 gpm	30 gpm	60	8	14	—	8.62	Dayton	3GRV4	3GRV4	
Immersion																				
1/20 hp	3	230/460	0.27/0.135	CB	1/4	7.2 gpm	5.9 gpm	3.8 gpm	—	—	—	19	11 3/4	11 3/4	5 1/2	5.12	Fuji Electric	VKP-043A-4Z	3P744	
1/2 hp	3	230/460	0.35/0.175	CB	3/8	8.3 gpm	5.9 gpm	4.7 gpm	—	—	—	19	12 1/4	12 1/4	6	2 at 5.12 and 2 at 5.2	Fuji Electric	VKP-053A-4Z	3P745	
1/8 hp	3	230/460	0.50/0.25	CB	3/8	17.1 gpm	14.4 gpm	10.6 gpm	—	—	—	21	12 1/4	12 1/4	5 1/2	2 at 5.2 and 2 at 5.28	Fuji Electric	VKP-063A-4Z	3P746	
1/8 hp	1	115/230	.7/35	Plastic	3/8	9 gpm	5 gpm	—	—	—	—	13	3 1/2	11 3/4	6	5	Dayton	3GRV5	3GRV5	
1/8 hp	3	230/460	.32/19	Plastic	3/8	9 gpm	5 gpm	—	—	—	—	13	3 1/2	11 3/4	6	5	Dayton	3GRV6	3GRV6	
1/4 hp	3	230/460	1/0.5	Plastic	1/2	—	32 gpm	28.5 gpm	22 gpm	11 gpm	—	34	14 1/4	14 1/32	7	2 at 6.3 and 2 at 5.28	Fuji Electric	VKP-073A-4Z	3P747	
1/4 hp	1	115/230	3.0/1.5	Plastic	1/2	20 gpm	20 gpm	17 gpm	14 gpm	5 gpm	—	32	5	14 7/8	7	6.37	Dayton	3GRV7	3GRV7	
1/4 hp	3	230/460	.8/4	Plastic	1/2	20 gpm	20 gpm	17 gpm	14 gpm	5 gpm	—	32	5	14 7/8	7	6.37	Dayton	3GRV8	3GRV8	
1/8 hp	3	230/460	1.5/0.75	CB	3/4	54 gpm	47 gpm	36 gpm	28.5 gpm	20 gpm	—	34	17 1/16	17 1/16	9 1/2	2 at 6.3 and 2 at 6.69	Fuji Electric	VKP-083A-4Z	3P748	
1/2 hp	3	230/460	2.4/1.2	CB	1	62 gpm	59 gpm	55 gpm	51 gpm	40.5 gpm	24 gpm	40	21 45/64	21 3/4	11	7.09	Fuji Electric	VKP-093A-4Z	3P749	
1/2 hp	1	115/230	5/2.5	AL	3/4	35 gpm	35 gpm	30 gpm	26 gpm	18 gpm	5 gpm	42	5 3/8	18 3/4	9 1/2	6.75	Dayton	3GRV9	3GRV9	
1/2 hp	3	230/460	1.8/1.2	AL	3/4	35 gpm	35 gpm	30 gpm	26 gpm	18 gpm	5 gpm	42	5 3/8	18 3/4	9 1/2	6.75	Dayton	3GRW1	3GRW1	
3/4 hp	3	230/460	2.6/1.6	AL	1	45 gpm	45 gpm	45 gpm	43 gpm	35 gpm	25 gpm	55	6	20 1/2	11	7.83	Dayton	3GRW2	3GRW2	
1 hp	3	230/460	3.2/1.9	AL	1	50 gpm	50 gpm	50 gpm	48 gpm	40 gpm	30 gpm	60	6	21 1/8	11	7.83	Dayton	3GRW3	3GRW3	

* AL = Aluminum, CB = Cast Bronze.



Little GIANT Machine Coolant Tanks and Pump/Tank Combinations

For use on small drill presses, tool grinders, tapping machines, cut-off saws, and small lathes.

Tanks—Include chip collector baffle, flex nozzle, and brass control valve. 5-gal. tank is polyethylene and includes 6-ft. plastic hose. 10-gal. tank is steel and has 4-ft. neoprene hose with brass nuts and deflector plate. Pump not included.

Polyethylene Pump/Tank Combinations—Flexible discharge hose has flow control valve. Removable screen and chip collector.

- Max. temp.: 120°F

HP	Volts	Amps	Inlet/Outlet (in.)	Tank (gal.)	GPM of Water @ Total ft. of Head			Shut-Off (ft.)	Dim. (in.)	Item No.		
					1	3	5					
Tanks												
—	—	—	—	5	—	—	—	—	11 15 1/2	8	2P344	
—	—	—	—	10	—	—	—	—	10 25 11 1/2	8	2P345	
Polyethylene Pump/Tank Combinations												
1/50	115	1.1	1/4	5	3.4	2.8	2	—	7.5	11 15 1/2	8	7P078
1/50	115	1.1	1/4	5	3.5	3	2.5	0.2	10.1	11 15 1/2	8	7P079
1/50	115 V	1	1/4	1	1.7	1.4	1.3	—	14	12 6 9 3/8	—	41A082
1/40	115	1.7	1/4	5	5.4	5	4.5	—	12.3	11 15 1/2	8	7P080
1/15	115	3.2	1/2	5	8.3	7.25	5.6	3.5	17.3	11 15 1/2	8	7P081
1/15	115	3.2	1/2	10	8.3	7.25	5.6	3.5	17.3	10 25 11 1/2	8	7P083