

**Transfer Pumps**

- Max. fluid temp.: 180°F
- Suction lift: 25 ft.
- 115/230V
- ODP, 3450 rpm motors
- NEMA 56Y mounting face
- Self-priming

Centrifugal pumps have a semi-open impeller that resists clogging. Mechanical seal with 304 stainless steel, Viton, and carbon/ceramic parts. Drain plug is easily accessible. Motors are capacitor start/capacitor run, continuous duty rated, with ball bearings and stainless steel motor shafts.

**Cast-Iron**—Cast-iron housing and impeller. Suitable for chemical transfer; not for use with perchloroethylene or trichloroethylene.

**Aluminum**—Aluminum housing and impeller. Suitable for chemical transfer; not for use with perchloroethylene or trichloroethylene.

**Stainless Steel**—Stainless steel housing and impeller. Suitable for transferring perchloroethylene and other nonflammable liquids.



**4YKP1**

HP	Phase	Amps	Inlet	Outlet	GPM of Water @ Total ft. of Head+					L	W	H	Item No.		
					5	10	15	20	30					40	50
<b>Cast-Iron Housing</b>															
1/2	1	7.0/3.5	1 1/2 in NPT	1 1/2 in NPT	35	33	21	17	6	—	—	16 3/4 in	7 5/8 in	10 in	4YKP5
1/2	1	8.6/4.3	1 1/2 in NPT	1 1/2 in NPT	47	43	37	27	10	—	—	16 3/4 in	7 5/8 in	10 in	4YKP6
3/4	1	9.0/4.5	1 1/2 in NPT	1 1/2 in NPT	60	55	51	46	29	9	—	17 in	7 5/8 in	10 in	4YKP7
1	1	14.6/7.3	1 1/2 in NPT	1 1/2 in NPT	69	65	61	55	43	22	—	17 in	7 5/8 in	10 in	4YKP8
1 1/2	1	16.9/8.6	1 1/2 in NPT	1 1/2 in NPT	86	83	80	75	66	52	32	18 1/2 in	7 5/8 in	10 in	4YKP9
<b>Aluminum Housing</b>															
1/2	1	7.0/3.5	1 1/2 in NPT	1 1/2 in NPT	35	33	21	17	6	—	—	16 1/4 in	7 5/8 in	10 in	6GPG4
1/2	1	8.6/4.3	1 1/2 in NPT	1 1/2 in NPT	47	43	37	27	10	—	—	16 3/4 in	7 5/8 in	10 in	4YKP1
3/4	1	9.0/4.5	1 1/2 in NPT	1 1/2 in NPT	60	55	51	46	29	9	—	17 in	7 5/8 in	10 in	4YKP2
1	1	14.6/7.3	1 1/2 in NPT	1 1/2 in NPT	69	65	61	55	43	22	—	17 in	7 5/8 in	10 in	4YKP3
<b>Stainless Steel Housing</b>															
1/2	1	7.0/3.5	1 1/2 in NPT	1 1/2 in NPT	35	33	21	17	6	—	—	16 1/4 in	7 5/8 in	10 in	6GPG3
1/2	1	8.6/4.3	1 1/2 in NPT	1 1/2 in NPT	47	43	37	27	10	—	—	16 3/4 in	7 5/8 in	10 in	4YKN6
3/4	1	14.6/7.3	1 1/2 in NPT	1 1/2 in NPT	69	65	61	55	43	22	—	16 3/4 in	7 5/8 in	10 in	4YKN8
1 1/2	1	16.9/8.6	1 1/2 in NPT	1 1/2 in NPT	86	83	80	75	66	52	32	18 1/2 in	7 5/8 in	10 in	4YKN9

+ To convert to psi, divide total feet of head by 2.31.

**Progressive Cavity Pumps**

- Cast-iron housing
- Mechanical seal with carbon, ceramic, and nitrile parts
- Max. liquid temp.: 180°F
- Max. viscosity: 20,000cP

Compact pumps have a rugged design for pulsation-free transfer of slurries and fluids. Models feature a rubber stator for quieter operation. You can easily calibrate the pump since flow is consistent and proportionate to the pump speed. Allow suction lifts up to 26 ft. Ideal for transferring abrasive slurries, coatings, feed additives, industrial waste, lubricants, and swimming pool water.

Min. RPM	Max. RPM	Req. HP @ Higher RPM	Flow Rate @		Inlet/Outlet (in.)	L (in.)	W (in.)	H (in.)	Mfr. Model	Item No.		
			Min. RPM and 0 PSI	Max. RPM and 90 PSI								
<b>Progressive Cavity Pump Non-Motorized</b>												
150 RPM	1,750 RPM	1/2 hp	0.471 gpm	4.7 gpm	0.21 gpm	2.45 gpm	3/4 NPT	12 3/4	4 3/4	5 1/2	33201	30EK50
		1/2 hp	0.835 gpm	9.4 gpm	—	—	3/4 NPT	12 3/4	4 3/4	5 1/2	33301	30EK51
		1/2 hp	1.483 gpm	15.0 gpm	—	—	3/4 NPT	12 3/4	4 3/4	5 1/2	34401	30EK52
—	—	1 1/4 hp	2.139 gpm	24.0 gpm	—	—	—	—	—	—	35601	30EK53
<b>Motorized Progressive Cavity Pump 115/230V AC</b>												
—	1,750 RPM	1/2 hp	0.471 gpm	4.7 gpm	0.21 gpm	2.45 gpm	3/4 NPT	19 23/32	6 1/2	7 7/8	33259	30EK54
		1/2 hp	0.835 gpm	9.4 gpm	—	—	3/4 NPT	19 23/32	6 1/2	7 7/8	33359	30EK55
		1/2 hp	1.483 gpm	15.0 gpm	—	—	3/4 NPT	19 23/32	6 1/2	7 7/8	34459	30EK56
<b>208/230/440V AC</b>												
—	1,750 RPM	1 1/4 hp	2.139 gpm	24.0 gpm	—	—	1 1/2 NPT, 1 1/4 NPT	25 1/2	6	8 3/8	35651	30EK57
<b>Pump Repair Kits</b>												
Includes			For Use With Grainger Item Number			Mfr. Model		Item No.				
Flexible Joint, Seal, Stator			30EK50, 30EK54			3119027000		30EK58				
			30EK51, 30EK55			3119029000		30EK59				
			30EK52, 30EK56			3119031000		30EK60				
Flexible Joint, Pin for Motor, Pin for Rotor, Seal, Stator			30EK53			3119033000		30EK61				
			30EK57			3119123000		30EK62				

**MOYNO®**



**30EK50**



**30EK54**



**30EK55**



**Chemical-Resistant Centrifugal Pumps**

- Motors are 3450 rpm with NEMA 56J frame
- Max. temp.: 140°F polypropylene, 180°F Noryl
- Max. viscosity: 100 SSU
- 1 1/2" ports

Close-coupled pumps feature continuous-duty motors and resist most acids, alkalis, and inorganic solvents. Pump housing has seal flush ports to decontaminate the seal and seat elastomers. 3-phase pumps do not have overload

protection, which must be provided by a starter unit sold separately, see page 160.

**WETTED MATERIALS**

**Polypropylene**—Glass-filled polypropylene housing and impeller. Buna N, stainless steel, and carbon/ceramic mechanical seals.

**Noryl**—Glass-filled Noryl housing and impeller, with Viton, Noryl, and carbon/ceramic mechanical seals.



**2YER5**



**2YEU3**



**2YEW1**



**3ACF3**

Seal Material	For Use With	Max. Temp. (°F)	Min. Temp. (°F)	Item No.
<b>Replacement Pump Shaft Seal</b>				
Carbon, Ceramic, Viton	Poly Pumps	180 °F	-40 °F	3ACF3
Silicon Carbide, Viton	Poly Pumps	180 °F	-40 °F	3ACF2
Carbon, Ceramic, Viton	Noryl Pumps	180 °F	-40 °F	3ACF9
Silicon Carbide, Viton	Noryl Pumps	180 °F	-40 °F	3ACF1

HP	Phase	Max. GPM @ Head	Best Efficiency GPM @ Head*	Min. GPM @ Head	Max. Head	POLYPROPYLENE HOUSING, W/MOTOR			NORYL HOUSING, W/MOTOR			Item No.	HP Req.	Housing Material	Item No.
						Motor Encl.	Voltage	Amps	Motor Encl.	Voltage	Amps				
1/2 hp	1	22 gpm @ 10 ft	18 gpm @ 30 ft	2 gpm @ 60 ft	62 ft	ODP	115/230	7.5/3.8	2YER2	TEFC	115/208-230	8.0/3.5-4.0	2YEV4	Pedestal Pump, No Motor†	2YEU8
		26 gpm @ 10 ft	20 gpm @ 35 ft	9 gpm @ 60 ft	68 ft	ODP	115/230	8.4/4.8	2YER3	TEFC	115/208-230	8.6/4.0-4.3	2YEV5		
1/2 hp	3	26 gpm @ 10 ft	20 gpm @ 35 ft	9 gpm @ 60 ft	68 ft	ODP	208-230/460	1.8-1.7/0.9	2YER4	TEFC	208-230/460	1.7-1.6/0.8	2YEV6	1 hp	2YEU9
		37 gpm @ 10 ft	24 gpm @ 41 ft	6 gpm @ 65 ft	72 ft	ODP	115/230	11.3/5.6	2YER5	TEFC	115/208-230	10.7/5.2-5.3	2YEV7	1 1/2 hp	2YEV1
3/4 hp	1	37 gpm @ 10 ft	24 gpm @ 41 ft	6 gpm @ 65 ft	72 ft	ODP	208-230/460	2.7-2.5/1.2	2YER6	TEFC	208-230/460	2.5-2.4/1.2	2YEV8	2 hp	2YEV2
		55 gpm @ 10 ft	38 gpm @ 50 ft	14 gpm @ 70 ft	79 ft	ODP	115/230	14.4/7.2	2YER7	TEFC	115/208-230	12.2/6.3-6.1	2YEV9	3 hp	2YEV3
1 hp	3	55 gpm @ 10 ft	38 gpm @ 50 ft	14 gpm @ 70 ft	79 ft	ODP	208-230/460	3.7-3.2/1.6	2YER8	TEFC	230/460	3.7-3.2/1.6	2YEW1	1/2 hp	2YEW9
		85 gpm @ 10 ft	55 gpm @ 55 ft	21 gpm @ 80 ft	84 ft	ODP	115/208-230	17.0/9.0-8.5	2YER9	TEFC	115/208-230	13.5/7.6-6.7	2YEW2	1 hp	2YEX2
1 1/2 hp	3	85 gpm @ 10 ft	55 gpm @ 55 ft	21 gpm @ 80 ft	84 ft	ODP	208-230/460	4.4-3.9/2.0	2YEU1	TEFC	230/460	4.4-3.9/2.0	2YEW3	1 1/2 hp	2YEX3
		96 gpm @ 10 ft	58 gpm @ 60 ft	31 gpm @ 80 ft	91 ft	TEFC	115/208-230	16.6/9.4-8.3	2YEU2	TEFC	115/208-230	16.6/9.4-8.3	2YEW4	3 hp	2YEX5
2 hp	3	96 gpm @ 10 ft	58 gpm @ 60 ft	31 gpm @ 80 ft	91 ft	TEFC	208-230/460	5.0/2.5	2YEU3	TEFC	230/460	5.6/2.8	2YEW5	Noryl	2YEX3
		123 gpm @ 10 ft	80 gpm @ 60 ft	48 gpm @ 80 ft	95 ft	TEFC	230	12.5	2YEU4	TEFC	230	12.5	2YEW6		
3 hp	3	123 gpm @ 10 ft	80 gpm @ 60 ft	48 gpm @ 80 ft	95 ft	TEFC	230/460	7.2/3.6	2YEU5	TEFC	208-230/460	7.2/3.6	2YEW7		

\* Use "Best gpm @ Head (ft.)" for optimum performance. † Suggested HP for pump heads at stated performance.