



**Dayton**



2ZW9N



2ZWY5

## Straight Centrifugal Pumps and Pedestal Pumps

- 3450 rpm motors; NEMA 56J frames
- Max. temp.: 200°F
- Max. viscosity: 100 CSU
- 4-position rotation

Pumps have continuous-duty motors for high-flow or high-head applications, with mechanical seals and side and bottom housing drain plugs. Designed for general transfer, boiler feed, condensate return, water circulation, irrigation, cooling towers, filtration, and pressure boosting. 1-phase motors are capacitor-start and have internal thermal protection. 3-phase units do not have overload protection and require a pump control box, sold separately on page 2630.

Pedestal pumps can be driven by pulley or directly coupled to a motor.

### HOUSING MATERIALS

**Cast Iron**—High-flow pumps have cast-iron housing and impellers, with Buna N, carbon, ceramic, and stainless steel mechanical seals. High-head pumps have Viton, carbon, ceramic, and stainless steel mechanical seals.

**Bronze**—High-flow pumps have bronze housing and impeller, with Buna N, carbon, ceramic, and stainless steel mechanical seal. High-head pumps have bronze housing, stainless steel impeller, and Viton, carbon, ceramic, and stainless steel mechanical seals.

**Stainless Steel**—Stainless steel housing and impeller, with Viton, carbon, ceramic, and stainless steel mechanical seals.

**Cast Iron, Brass Impeller**—Cast-iron body with brass impeller. Seals are made from Viton, carbon, ceramic, and stainless steel.

HP	Max.	GPM @ Head ft. Best*	Min.	Max. Head (ft.)†
<b>High Flow Performance</b>				
1/4	41 @ 10	30 @ 26	10 @ 40	44
1/2	67 @ 10	38 @ 27	10 @ 40	44
3/4	72 @ 10	47 @ 36	22 @ 50	55
1	88 @ 10	75 @ 38	29 @ 50	58
1 1/2	115 @ 10	72 @ 44	40 @ 60	67
2	122 @ 10	70 @ 52	10 @ 70	72
3	170 @ 10	95 @ 57	35 @ 70	74

HP	Max.	GPM @ Head ft. Best*	Min.	Max. Head (ft.)†
<b>High Head Performance</b>				
1/2	42 @ 10	29 @ 47	2 @ 80	82
3/4	53 @ 10	33 @ 59	12 @ 90	98
1	59 @ 10	34 @ 70	3 @ 110	112
1 1/2	94 @ 10	54 @ 70	18 @ 100	110
2	94 @ 10	54 @ 70	18 @ 100	110
3	107 @ 10	70 @ 72	2 @ 130	131

Seal Material	Shaft Size (in.)	Max. Temp. (°F)	Min. Temp. (°F)	Item No.
<b>Replacement Pump Shaft Seals</b>				
Buna, Carbon, Ceramic	3/8	160 °F	-25 °F	3ACE6
Carbon, Ceramic, Viton	3/8	250 °F	-40 °F	3ACE7
Silicon Carbide, Viton	3/8	250 °F	-40 °F	3ACE8

HP	Motor Enclosure	Voltage	Amps	Inlet Size	Outlet Size	STRAIGHT CENTRIFUGAL PUMPS				PEDESTAL PUMPS, NO MOTOR			
						Cast-Iron Item No.	Bronze Item No.	Stainless Steel Item No.	Cast Iron Item No.	Bronze Item No.	Stainless Steel Item No.		
<b>High Flow</b>													
1/2 hp	Open Dripproof	115/230V AC	7.5/3.8	1 in NPT	3/4 in NPT	2ZW9N	—	—	22WX3	—	—	—	—
1/2 hp	Open Dripproof	120/240V AC	7.5/3.8	1 in NPT	3/4 in NPT	—	22WR4	22WT8	—	22WY1	—	22WY8	—
1/2 hp	Open Dripproof	120/240V AC	8.4/4.8	1 1/4 in NPT	1 in NPT	22WP1	22WR5	22WT9	—	22WY2	—	22WY9	—
1/2 hp	Open Dripproof	208 to 240/480V AC	1.8-1.7/0.9	1 1/4 in NPT	1 in NPT	22WP2 ‡	22WR6 ‡	22WU1 ‡	—	22WY2 ‡	—	22WY9 ‡	—
3/4 hp	Open Dripproof	120/240V AC	11.3/5.6	1 1/4 in NPT	1 in NPT	22WP3	22WR7	22WU2	22WX5	22WY3	—	22WZ1	—
3/4 hp	Open Dripproof	208 to 240/480V AC	2.7-2.5/1.2	1 1/4 in NPT	1 in NPT	22WP4 ‡	22WR8 ‡	22WU3 ‡	22WX5 ‡	22WY3 ‡	—	22WZ1 ‡	—
1 hp	Open Dripproof	120/240V AC	14.4/7.2	1 1/2 in NPT	1 1/4 in NPT	22WP5	22WR9	22WU4	22WX6	22WY4	—	22WZ2	—
1 hp	Open Dripproof	208 to 240/480V AC	3.7-3.2/1.6	1 1/2 in NPT	1 1/4 in NPT	22WP6 ‡	22WT1 ‡	22WU5 ‡	—	—	—	22WZ2 ‡	—
1 1/2 hp	Open Dripproof	120/208 to 240V AC	17.0/9.0-8.5	1 1/2 in NPT	1 1/4 in NPT	22WP7	—	—	22WX7	—	—	—	—
1 1/2 hp	Open Dripproof	208 to 240/480V AC	4.4-3.9/2.0	1 1/2 in NPT	1 1/4 in NPT	22WP8 ‡	22WT3 ‡	22WU7 ‡	22WX7 ‡	22WY5 ‡	—	22WZ3 ‡	—
1 1/2 hp	Open Dripproof	120/208 to 240V AC	17.9/9.0-6.4	1 1/2 in NPT	1 1/4 in NPT	—	22WT2	22WU6	22WX8	22WY5	—	22WZ3	—
2 hp	Totally Enclosed Fan-Cooled	120/208 to 240V AC	16.6/9.4-8.3	1 1/2 in NPT	1 1/4 in NPT	22WP9	22WT4	22WU8	22WX8	22WY6	—	22WZ4	—
2 hp	Totally Enclosed Fan-Cooled	208 to 240/480V AC	6.0-5.8/2.9	1 1/2 in NPT	1 1/4 in NPT	22WR1	22WT5 ‡	—	22WX9 ‡	—	—	—	—
2 hp	Totally Enclosed Fan-Cooled	230/460	6.0-5.8/2.9	1 1/2 in NPT	1 1/4 in NPT	—	—	22WU9 ‡	—	—	—	22WZ4 ‡	—
2 hp	Totally Enclosed Fan-Cooled	240V AC	12.5	2 in NPT	1 1/2 in NPT	—	—	—	22WX9	—	—	—	—
3 hp	Totally Enclosed Fan-Cooled	230/460	8.3-7.6/3.8	2 in NPT	1 1/2 in NPT	22WR2	—	—	22WX9 ‡	—	—	—	—
3 hp	Totally Enclosed Fan-Cooled	240V AC	12.5	2 in NPT	1 1/2 in NPT	22WR3 ‡	—	—	—	—	—	—	—
3 hp	Totally Enclosed Fan-Cooled	240V AC	8.3-7.6/3.8	2 in NPT	1 1/2 in NPT	—	22WT6 ‡	22WX1 ‡	—	22WY7 ‡	—	22WZ5 ‡	—
3 hp	Totally Enclosed Fan-Cooled	208 to 240/480V AC	8.3-7.6/3.8	2 in NPT	1 1/2 in NPT	—	22WT7 ‡	22WX2 ‡	—	22WY7 ‡	—	22WZ5 ‡	—

HP	Motor Enclosure	Voltage	Amps	Inlet Size	Outlet Size	STRAIGHT CENTRIFUGAL PUMPS			
						Cast-Iron Item No.	Cast-Iron Brass Impeller Item No.	Bronze Item No.	Stainless Steel Item No.
<b>High Head</b>									
1/2 hp	Open Dripproof	120/240V AC	8.4/4.8	1 1/4 in NPT	1 in NPT	22XJ1	22XL7	22WZ6	22XK4
1/2 hp	Open Dripproof	208 to 240/480V AC	1.8-1.7/0.9	1 1/4 in NPT	1 in NPT	22XJ2	22XL8 ‡	22WZ7 ‡	22XK5 ‡
3/4 hp	Open Dripproof	120/240V AC	11.3/5.6	1 1/4 in NPT	1 in NPT	22XJ3	22XL9	22WZ8	22XK6
3/4 hp	Open Dripproof	208 to 240/480V AC	2.7-2.5/1.2	1 1/4 in NPT	1 in NPT	22XJ4 ‡	22XN1 ‡	22WZ9 ‡	22XK7 ‡
1 1/2 hp	Open Dripproof	120/240V AC	13.5/6.4	1 1/2 in NPT	1 1/4 in NPT	22XJ7	22XN4	22XA3	22XL1
1 1/2 hp	Open Dripproof	208 to 240/480V AC	4.4-3.9/2.0	1 1/2 in NPT	1 1/4 in NPT	22XJ8 ‡	22XN5 ‡	22XA4 ‡	22XL2 ‡
2 hp	Totally Enclosed Fan-Cooled	120/240V AC	16.6/8.3	1 1/2 in NPT	1 1/4 in NPT	22XJ9	22XN6	22XA5	22XL3
2 hp	Totally Enclosed Fan-Cooled	208 to 240/480V AC	6.0-5.8/2.9	1 1/2 in NPT	1 1/4 in NPT	22XK1	22XN7 ‡	22XA6 ‡	22XL4 ‡
3 hp	Totally Enclosed Fan-Cooled	240V AC	12.5	1 1/2 in NPT	1 1/4 in NPT	22XK2	—	—	—
3 hp	Totally Enclosed Fan-Cooled	208 to 240/480V AC	8.3-7.6/3.8	1 1/2 in NPT	1 1/4 in NPT	22XK3 ‡	22XN9 ‡	22XA7 ‡	22XL5 ‡
1 hp	Open Dripproof	115/230V AC	12.5	1 1/4 in NPT	1 in NPT	—	22XN8 ‡	22XA8 ‡	22XL6 ‡
1 hp	Open Dripproof	230/460V AC	12.5	1 1/4 in NPT	1 in NPT	55JJ70	55JJ74	55JJ68	55JJ72
1 hp	Open Dripproof	230/460V AC	12.5	1 1/4 in NPT	1 in NPT	55JJ71	55JJ75	55JJ69	55JJ73

\* Use "Best gpm @ Head ft." for optimum performance. † To convert to psi, divide total feet of head by 2.31. Performance data at 3450 rpm. ‡ 3 phase.

## Pump Repair Kits for Straight Centrifugal and Pedestal Pumps

Kits contain O-ring, seal, impeller with shim kit, washer, screws, nuts, and lock washers to maintain the centrifugal pumps specified.

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21TG39

For Use With	Item No.	For Use With	Item No.	For Use With	Item No.
2ZW9N	21TG36	22WX1, 22WX2	21TG73	22XA3, 22XA4, 22XA5, 22XA6	21TG96
22WP1, 22WP2	21TG37	22WX3	21TG75	22XA7, 22XA8	21TH01
22WP3, 22WP4	21TG39	22WX5	21TG77	22WZ6, 22WZ7	21TH03
22WP5, 22WP6	21TG41	22WX6	21TG78	22WZ8, 22WZ9	21TH05
22WP7, 22WP8	21TG43	22WX7	21TG79	22XA1, 22XA2	21TH07
22WP9, 22WR1	21TG45	22WX8	21TG80	22XJ7, 22XJ8, 22XJ9, 22XK1	21TH09
22WR2, 22WR3	21TG47	22WX9	21TG81	22XK2, 22XK3	21TH13
22WR4	21TG49	22WY1	21TG82	22XJ1, 22XJ2	21TH15
22WR5, 22WR6	21TG50	22WY2	21TG83	22XJ3, 22XJ4	21TH17
22WR7, 22WR8	21TG52	22WY3	21TG84	22XJ5, 22XJ6	21TH19
22WR9, 22WT1	21TG54	22WY5	21TG85	22XJ7, 22XJ8, 22XJ9, 22XK1	21TH21
22WT2, 22WT3	21TG56	22WY6	21TG87	22XL1, 22XL2, 22XL3, 22XL4	21TH21
22WT4, 22WT5	21TG58	22WY7	21TG88	22XL5, 22XL6	21TH25
22WT6, 22WT7	21TG60	22WY8	21TG89	22XK4, 22XK5	21TH27
22WT8	21TG62	22WY9	21TG90	22XK6, 22XK7	21TH29
22WT9, 22WU1	21TG63	22WY9	21TG91	22XK8, 22XK9	21TH31
22WU2, 22WU3	21TG65	22WZ1	21TG92	22XL9, 22XN1	21TH34
22WU4, 22WU5	21TG67	22WZ2	21TG93	22XN2, 22XN3, 22XN7	21TH35
22WU6, 22WU7	21TG69	22WZ3	21TG94	22XN8, 22XN9	21TH39
22WU8, 22WU9	21TG71	22WZ4	21TG95	22XN2, 22XN3	21TH42
		22WZ5	21TG95	22XL7, 22XL8	21TH44