

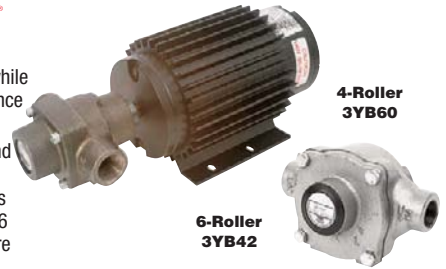
Intermittent-Duty Roller Pumps

- 4-roller models are coupled to a 12VDC motor
- Self-priming suction lift up to 3-ft. head
- Max. fluid temp.: 140°F
- 3/4" FNPT inlet and outlet side ports

Pumps are designed for agricultural and lawn/garden chemical spraying, as well as various chemical transfer applications with nonflammable liquids, such as liquid fertilizers, insecticides, herbicides, and soil fumigants. They won't swell in water and they maintain performance with chemical carriers such as xylene. Counterclockwise pump rotation (facing pump shaft) can be easily reversed for gas engine drivers. (Gas engines must be gear-reduced or belt-driven down to desired pump speed.) Ni-Resist alloy

offers better corrosion resistance than cast iron, while SilverCast custom alloy provides corrosion resistance with harsh chemicals such as herbicides.

All pumps have Super Rollers, Viton shaft seals, and double-sealed, heavy-duty ball bearings. 4-roller models also include drivers. 6- and 8-roller models adapt to tractor power take-offs. 3YB55 and 3YB56 have polypropylene rollers. PTO quick couplings are sold separately on Grainger.com.



ROLLER KITS

Roller replacement kits are for intermittent-duty roller pumps listed on this page. Include rollers, 2 Viton shaft seals, and one O-ring for end plate.

For Use With	Rollers	Type	Item No.
Roller Kits			
3YB60, 3YB61	4	Super Roller	3YB59
3YB42, 3YB55	6	Super Roller	3YB40
3YB43, 3YB44, 3YB56	8	Super Roller	3YB41
3YB42, 3YB55	6	Polypropylene	3YB57
3YB43, 3YB44, 3YB56	8	Polypropylene	3YB58

Type	Voltage	0 psi	10 psi	15 psi	25 psi	35 psi	45 psi	50 psi	L	W	H	Housing Material	Item No.									
4-Roller	12V DC (Battery) Engine Off	6.3 gpm	10 A	5.8 gpm	12.5 A	5.6 gpm	13.7 A	5.2 gpm	16.7 A	4.8 gpm	20.3 A	4.4 gpm	24.1 A	4.2	25.7 A	5.0	26.1 A	12	5	5	Ni-Resist	3YB60
4-Roller	13.5V DC (Alternator) Engine Running	7.5 gpm	10.4 A	6.6 gpm	13 A	6.4 gpm	14.2 A	6 gpm	17.4 A	5.6 gpm	20.9 A	5.2 gpm	24.3 A	4.2	25.7 A	5.0	26.1 A	12	5	5	Silver Cast	3YB61

Type	RPM	0 psi	50 psi	100 psi	200 psi	300 psi	L	W	H	Shaft Dia.	Housing Material	Item No.					
6-Roller	540	9.714.521.8	0.080.130.30	8.012.720.1	0.380.550.90	7.212.019.1	0.680.981.51	5.610.517.3	1.291.862.84	4.39.115.7	1.912.774.17	5 1/2	6	5 1/2	5/8	Cast-Iron	3YB42
	800															Silver Cast	3YB55
	1200															Cast-Iron	3YB43
8-Roller	540	12.018.322.5	0.330.891.56	11.117.522.0	0.741.261.78	10.316.921.3	1.251.952.53	8.615.520.0	2.263.404.2	7.113.718.0	3.304.906.10	6 1/4	6 5/8	5 1/4	1/2	Ni-Resist	3YB44
	800															Silver Cast	3YB56
	1000															Silver Cast	3YB56

High-Pressure Triplex Pumps

- Max. fluid temp: 140°F
- Concentric ceramic plungers
- Continuously lubricated seals

Suitable for high-pressure water applications, including car wash, pressure wash, sewer jetting, and cooling misting. Forged brass manifold has high-grade

head bolts for added protection and strength. Feature a precision die-cast crankcase and stainless steel valves, plus oversize bearings and connecting rods for heavy load disbursement. 1MDB3 and 1MDB2 have 316L stainless steel manifold and Viton seals.

Direct-Mount, Electric Motor Pumps have standard C-face mounting.

See page 1591 for pressure washer accessories.

New installations require a Pump Rail Kit 4YNP7, sold separately on this page.



Flow Capacity (gpm)	RPM	HP Required @ Various Pressure (psi)*										Shaft Dia.	Inlet Port	Discharge Port	L (in.)	W (in.)	H (in.)	Brand	Item No.		
		500	1000	1500	2000	2500	3000	3500	4000	5000	5000										
Belt-Drive, Electric Motor or Gasoline Engine																					
2.5 gpm	1,750 RPM	0.9 hp	1.7 hp	2.6 hp	3.4 hp	4.3 hp	—	—	—	—	—	—	24 mm	1/2 in F	3/4 in F	7.2	7.9	4.9	Dayton	4WXW6	
3 gpm	1,750 RPM	1 hp	2.1 hp	3.1 hp	4.1 hp	5.1 hp	—	—	—	—	—	—	24 mm	1/2 in F	3/4 in F	7.2	7.9	4.9	Dayton	4WXU7	
3.5 gpm	1,750 RPM	1.2 hp	2.4 hp	3.6 hp	4.8 hp	6 hp	—	—	—	—	—	—	24 mm	1/2 in F	3/4 in F	7.2	7.9	4.9	Dayton	4WXU8	
4 gpm	1,450 RPM	1.4 hp	2.7 hp	4.1 hp	5.5 hp	6.9 hp	8.2 hp	9.6 hp	11 hp	13.7 hp	—	—	24 mm	1/2 in F	3/4 in F	13.3	9.7	7.3	Dayton	4WXW1	
4 gpm	1,750 RPM	1.4 hp	2.8 hp	4.2 hp	5.5 hp	6.9 hp	8.3 hp	—	—	—	—	—	24 mm	1/2 in F	3/4 in F	8.8	8.6	5	Dayton	5ZNT5	
4 gpm	1,450 RPM	1.4 hp	2.8 hp	4.2 hp	5.5 hp	6.9 hp	8.3 hp	—	—	—	—	—	24 mm	1/2 in F	3/4 in F	8.8	8.6	5	Dayton	5ZNU1	
4 gpm	1,750 RPM	1.4 hp	2.7 hp	4.1 hp	5.5 hp	6.9 hp	8.2 hp	9.6 hp	11 hp	—	—	—	24 mm	1/2 in F	3/4 in F	9.9	7.6	4.9	Dayton	1MCX9	
4.2 gpm	1,750 RPM	1.4 hp	2.9 hp	4.3 hp	5.8 hp	7.2 hp	8.5 hp	—	—	—	—	—	24 mm	1/2 in F	3/4 in F	9.9	7.7	4.9	Dayton	1MDB3 †	
4.8 gpm	1,750 RPM	1.6 hp	3.3 hp	4.9 hp	6.6 hp	8.2 hp	9.9 hp	11.5 hp	13.2 hp	—	—	—	24 mm	1/2 in F	3/4 in F	9.9	7.6	4.9	Dayton	1MCX7	
5 gpm	1,526 RPM	1.7 hp	4.1 hp	6.1 hp	8.2 hp	10.2 hp	12.3 hp	14.3 hp	16.4 hp	—	—	—	24 mm	1/2 in F	3/4 in F	9.9	7.6	4.9	Dayton	4WXW8	
5.5 gpm	1,450 RPM	1.9 hp	3.8 hp	5.7 hp	7.5 hp	9.4 hp	11.3 hp	13.2 hp	15.1 hp	18.9 hp	—	—	24 mm	1/2 in F	3/4 in F	12.2	9.7	5.8	Dayton	1MCY1	
6.6 gpm	1,750 RPM	2.3 hp	4.5 hp	6.8 hp	9.1 hp	11.3 hp	13.6 hp	15.9 hp	18.1 hp	—	—	—	24 mm	3/4 in F	3/4 in F	12.2	9.7	5.8	Dayton	1MCX8	
7.9 gpm	1,000 RPM	2.7 hp	5.4 hp	8.1 hp	10.8 hp	13.6 hp	16.3 hp	19 hp	21.7 hp	27.1 hp	—	—	35 mm	3/4 in F	1/2 in F	22.7	18.1	9.1	A.R. North America	4WXX2 ‡	
8 gpm	1,750 RPM	2.7 hp	5.5 hp	8.2 hp	11 hp	13.7 hp	16.5 hp	19.2 hp	—	—	—	—	24 mm	3/4 in F	3/4 in F	12.2	9.7	5.8	Dayton	1MCY2	
9 gpm	1,750 RPM	3.1 hp	6.2 hp	9.3 hp	12.4 hp	15.4 hp	18.5 hp	—	—	—	—	—	24 mm	3/4 in F	3/4 in F	12.2	9.7	7.0	Dayton	4WXW9	
11 gpm	1,450 RPM	3.8 hp	7.5 hp	11.3 hp	15.1 hp	—	—	—	—	—	—	—	24 mm	3/4 in F	3/4 in F	12.2	9.7	5.8	Dayton	1MDB1	
18 gpm	1,000 RPM	6.2 hp	12.4 hp	18.5 hp	24.7 hp	30.9 hp	37.1 hp	43.2 hp	49.4 hp	—	—	—	35 mm	1 1/2 in F	1 in F	22.1	18.1	9.1	A.R. North America	4WXX4	
36 gpm	800 RPM	12.4 hp	24.7 hp	37.1 hp	—	—	—	—	—	—	—	—	35 mm	1 1/2 in F	1 in F	22.1	18.1	9.1	A.R. North America	4WXX3	
Direct-Mount, Electric Motor																					
2 gpm	1,750 RPM	0.7 hp	1.4 hp	2.1 hp	2.7 hp	3.4 hp	—	—	—	—	—	—	1/2 in	1/2 in F	3/4 in F	7.7	7.2	5.5	Dayton	4WXW2	
2 gpm	3,450 RPM	1 hp	2.1 hp	3.1 hp	4.1 hp	5.1 hp	—	—	—	—	—	—	1/2 in	1/2 in F	3/4 in F	7.7	7.2	5.5	Dayton	4WXW3	
3 gpm	1,750 RPM	1 hp	2 hp	3.1 hp	4.1 hp	5.2 hp	—	—	—	—	—	—	1/2 in	1/2 in F	3/4 in F	8.9	7.0	5.5	Dayton	1MDB2 †	
3 gpm	1,750 RPM	1 hp	2.1 hp	3.1 hp	4.1 hp	5.1 hp	—	—	—	—	—	—	1/2 in	1/2 in F	3/4 in F	7.7	7.2	5.5	Dayton	4WXW4	
3 gpm	3,450 RPM	1 hp	2.1 hp	3.1 hp	4.1 hp	5.1 hp	—	—	—	—	—	—	1/2 in	1/2 in F	3/4 in F	7.7	7.2	5.5	Dayton	4WXW5	
3 gpm	1,750 RPM	1 hp	2.1 hp	3.1 hp	4.1 hp	5.1 hp	6.2 hp	—	—	—	—	—	1 1/2 in	1/2 in F	3/4 in F	9.6	7.7	6.8	Dayton	4WXX5	
3.5 gpm	1,750 RPM	1.2 hp	2.4 hp	3.6 hp	4.8 hp	6 hp	—	—	—	—	—	—	1 1/2 in	1/2 in F	3/4 in F	9.6	7.7	6.8	Dayton	4WXW6	
4 gpm	1,750 RPM	1.4 hp	2.8 hp	4.2 hp	5.5 hp	6.9 hp	8.3 hp	—	—	—	—	—	1 1/2 in	1/2 in F	3/4 in F	8.8	8.7	6.8	Dayton	5ZNT9	
Direct-Mount, Gasoline Engine																					
2 gpm	3,400 RPM	0.9 hp	1.7 hp	2.6 hp	3.4 hp	4.3 hp	—	—	—	—	—	—	3/4 in	3/4 GH	22 mm	7.2	6.8	6	Dayton	1MDA9 #	
2.5 gpm	3,400 RPM	1.1 hp	2.2 hp	3.3 hp	4.4 hp	5.6 hp	—	—	—	—	—	—	3/4 in	1/2 in F	3/4 in F	7.2	7.5	4.9	Dayton	4WXV9	
2.5 gpm	3,400 RPM	1.1 hp	2.2 hp	3.3 hp	4.4 hp	5.6 hp	6.5 hp	—	—	—	—	—	4 in	3/4 GH	22 mm	7.1	5.5	6	Dayton	4WXW7 #	
2.5 gpm	3,400 RPM	1.1 hp	2.2 hp	3.3 hp	4.4 hp	5.6 hp	—	—	—	—	—	—	7/8 in	3/4 GH	22 mm	6.3	9.2	6	Dayton	4WXX9 # **	
3 gpm	3,400 RPM	1 hp	2.1 hp	3.1 hp	4.1 hp	5.1 hp	—	—	—	—	—	—	3/4 in	1/2 in F	3/4 in F	7.2	7.5	4.9	Dayton	4WXW1	
3 gpm	3,400 RPM	1 hp	2.1 hp	3.1 hp	4.1 hp	5.1 hp	6.2 hp	—	—	—	—	—	3/4 in	3/8 in F	3/4 in F	9.7	6.7	5.7	Dayton	4WXW7	
3 gpm	3,400 RPM	1.1 hp	2.1 hp	3.1 hp	4.2 hp	5.2 hp	6.2 hp	7.2 hp	—	—	—	—	1 in	1/2 in F	3/4 in F	8.8	9.5	6.5	Dayton	5ZNT6	
3.5 gpm	3,400 RPM	1.2 hp	2.4 hp	3.6 hp	4.8 hp	6 hp	7.2 hp	8.4 hp	—	—	—	—	1 in	1/2 in F	3/4 in F	8.8	9.5	6.5	Dayton	5ZNT7	
4 gpm	3,400 RPM	2.1 hp	4.1 hp	6.1 hp	8.2 hp	10.2 hp	12.3 hp	14.3 hp	16.4 hp	—	—	—	1 in	3/8 in F	3/4 in F	9.7	9.1	5.9	Dayton	1MCY8	
4 gpm	3,400 RPM	2.1 hp	4.1 hp	6.1 hp	8.2 hp	10.2 hp	12.3 hp	14.3 hp	16.4 hp	—	—	—	1 in	3/8 in F	3/4 in F	9.7	9.4	6.6	Dayton	4WXW8 #	
4 gpm	3,400 RPM	2.1 hp	4.1 hp	6.1 hp	8.2 hp	10.2 hp	12.3 hp	14.3 hp	16.4 hp	—	—	—	1 in	1/2 in F	3/4 in F	8.8	9.5	6.5	Dayton	5ZNU0	

Material	For Use With	Dim.	Brand	Item No.
Pump Rail Kit				
Steel	Dayton Plunger Pump Models 1MCX4, 1MCX5, 1MCX6, 1MCX7, 1MCX9, 1MDB3, 4WXV7, 4WXV8, 4WXW6, 4WXW8, 5ZNT5, 5ZNU1 and AR North Pump Series XM and RK	2 1/2 in H x 1 1/4 in W x 6 1/2 in L	—	4YNP7

* HP required for belt drive is based on electric motor. † Stainless steel manifold. ‡ 4WXX2 is rated up to 7250 psi. # Includes unloader valve and chemical injector. ** For vertical gas engine mounting.