

Dayton Composite Sprinkler Pumps

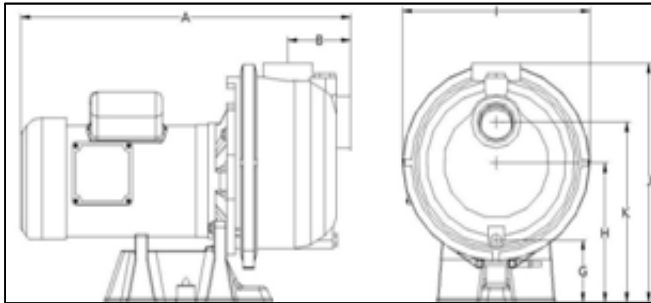


PUMPS technical data sheet

Sprinkler pumps are designed for self-priming fluid transfer applications such as irrigation, water transfer, and sprinkling. These pumps are designed to operate continuously with non-abrasive and non-flammable fluids compatible with pump wetted materials. These pumps are not submersible and are manually operated.



1/2HP through 3HP Composite Self-Priming Sprinkler Pumps

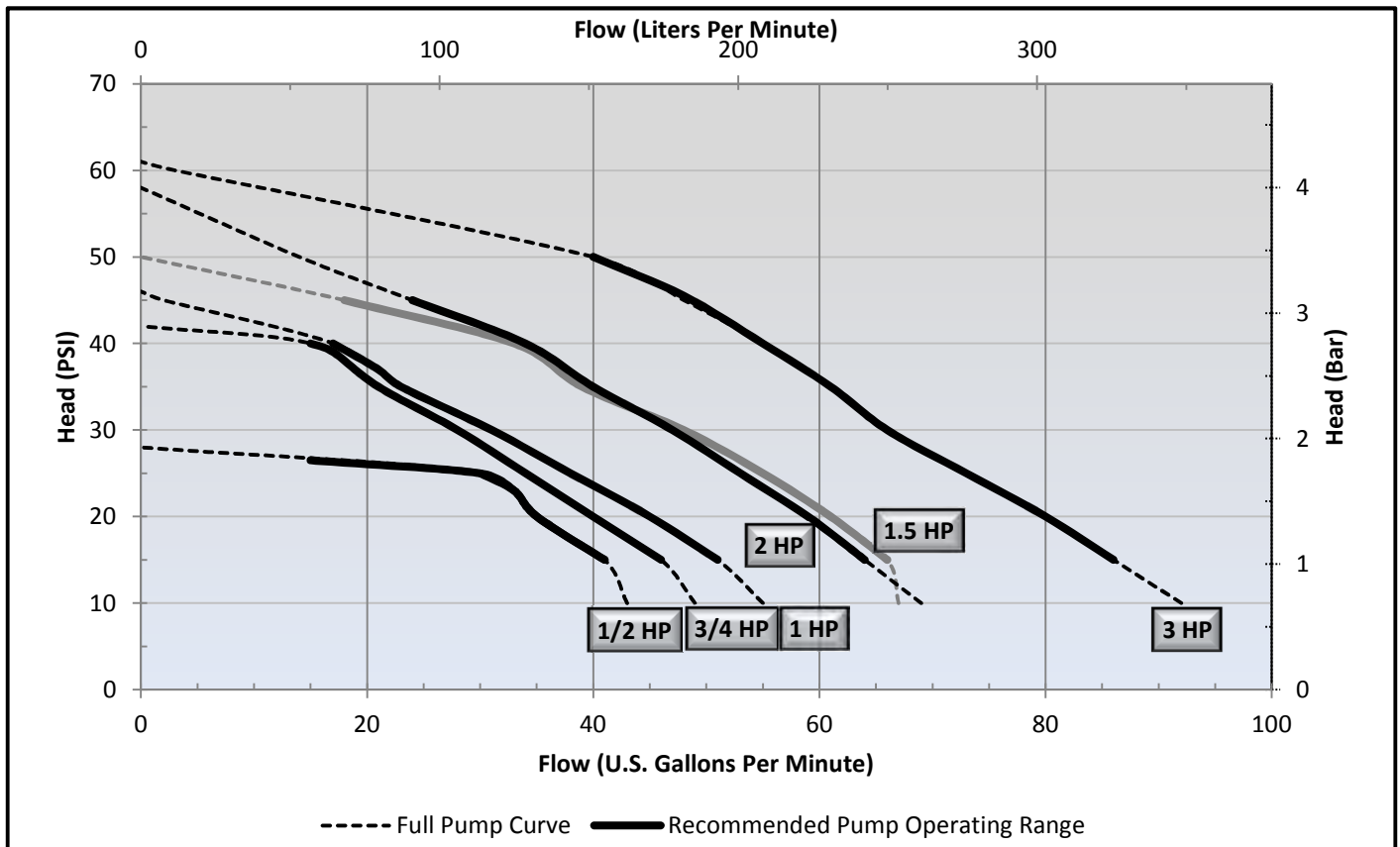


Max. Suction Lift	20 feet (6.1m)
Overload Protection	Auto Reset Thermal Overload
Motor Shaft Material	304 Stainless Steel
Motor Housing Material	Painted Rolled Steel
Motor Duty	Continuous
Motor Bearings	Double Sealed Single Row Ball
Frequency (Hz)	60
RPM	3450
Motor Type	NEMA 56J - TEFC
Bearing Lubrication	Permanently Lubricated
Volute Material	Composite
Impeller Type	Enclosed
Impeller Material	Composite
Adapter Material	Cast Iron
Hardware Material	304 Stainless Steel
O-rings	Viton
Seal Type	Single Mechanical
Seal Materials	Carbon/Ceramic/Viton
Operation	Manual Operation
Power Connection	Conduit Box
Max. Water Temperature	40-180° F (4-82° C)
Max. Ambient Temperature	104° F (40° C)
Designed Fluid Environment	Liquid Transfer, Irrigation, Sprinkling

HP	1/2	1/2	3/4	3/4	1	1	1-1/2	1-1/2	2	2	3	3
Material Number	5UPW3A	5UPW4A	5RWP3A	5UPW5A	5RWP4A	5UPW6A	5RWP5A	5UPW7A	5UPW1A	5UPW8A	5UPW2A	5UPW9A
Voltage	115 / 230	230 / 460	115 / 230	230 / 460	115 / 230	230 / 460	115 / 230	230 / 460	115 / 230	230 / 460	115 / 230	230 / 460
Phase	1	3	1	3	1	3	1	3	1	3	1	3
Run Amps	9.4 / 4.7	3.2 / 1.6	16.5 / 8.3	5.2 / 2.5	12.0 / 6.0	7.0 / 3.2	14.2 / 7.1	7.0 / 3.5	23.0 / 11.5	8.8 / 4.4	28.5 / 14.2	10.6 / 5.3
Volute Inlet / Outlet (FNPT)	2 x 1-1/2 Inch	2 x 1-1/2 Inch	2 x 1-1/2 Inch	2 x 1-1/2 Inch	2 x 1-1/2 Inch	2 x 1-1/2 Inch	2 x 1-1/2 Inch	2 x 1-1/2 Inch	2 x 2 Inch	2 x 2 Inch	2 x 2 Inch	2 x 2 Inch
Dimension A (Inch)	17.20	17.00	18.70	18.70	19.00	18.90	19.00	18.90	19.70	19.80	21.29	20.50
Dimension B (Inch)	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	3.82	3.82	3.82	3.82
Dimension G (Inch)	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.61	3.61	3.61	3.61
Dimension H (Inch)	7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.03	8.09	8.09	8.09	8.09
Dimension I (Inch)	10.43	10.43	10.43	10.43	10.43	10.43	10.43	10.43	11.42	11.42	11.42	11.42
Dimension J (Inch)	12.37	12.37	12.37	12.37	12.37	12.37	12.37	12.37	13.87	13.87	13.87	13.87
Dimension K (Inch)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.45	10.45	10.45	10.45

Performance Data

Head	1/2 HP	Shut off 28 psi / 1.93 Bar	PSI	10	20	30	40	50	60	70
Flow Rate		Max. Flow 43 gpm / 163 lpm	GPM	43	35	--	--	--	--	-
Head	3/4HP	Shut off 42 psi / 2.90 Bar	PSI	10	20	30	40	50	60	70
Flow Rate		Max. Flow 49 gpm / 185 lpm	GPM	49	40	28	15	--	--	-
Head	1HP	Shut off 46 psi / 3.17 Bar	PSI	10	20	30	40	50	60	70
Flow Rate		Max. Flow 55 gpm / 208 lpm	GPM	55	45	31	17	--	--	-
Head	1-1/2HP	Shut off 50 psi / 3.45 Bar	PSI	10	20	30	40	50	60	70
Flow Rate		Max. Flow 67 gpm / 254 lpm	GPM	67	61	48	33	--	--	-
Head	2HP	Shut off 58 psi / 4.00 Bar	PSI	10	20	30	40	50	60	70
Flow Rate		Max. Flow 69 gpm / 261 lpm	GPM	69	59	47	34	14	--	-
Head	3 HP	Shut off 61 psi / 4.21 Bar	PSI	10	20	30	40	50	60	70
Flow Rate		Max. Flow 92 gpm / 348 lpm	GPM	92	80	66	55	40	3	--



WARNING: Use only with nonflammable liquids compatible with pump component materials and in nonflammable/non-explosive atmospheres.

Call or visit your local branch or go to grainger.com/dayton for complete product line information

