

# Dayton Sprinkler Pumps

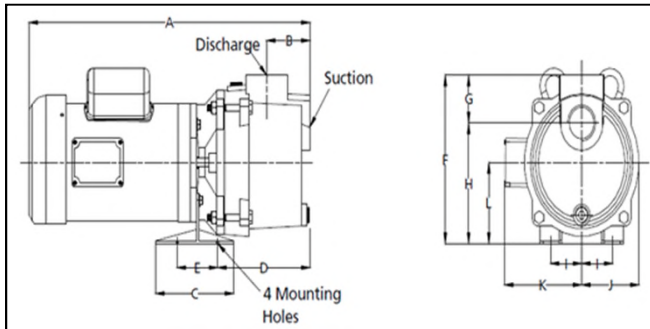


## PUMPS technical data sheet

Sprinkler pumps are designed for self-priming applications such as lawn sprinkling, spraying, irrigation and general dewatering applications. Pumps are designed for non-abrasive and non-flammable fluids compatible with the pump materials of construction and are designed for continuous duty applications. These centrifugal pumps are not submersible and are manually operated.



**5HP & 7HP Single-Stage  
Cast Iron Sprinkler Pumps**

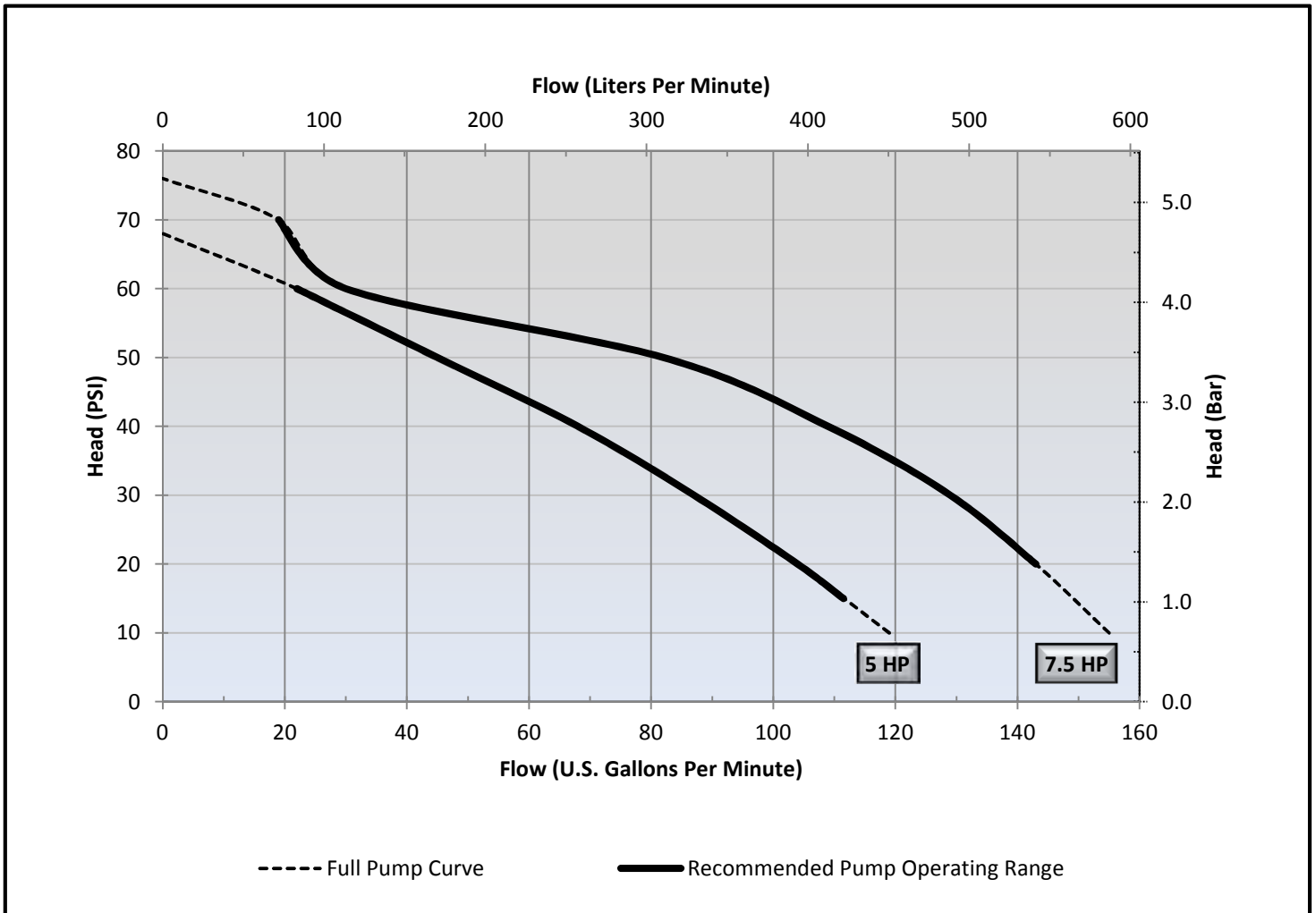


<b>Max. Suction Lift</b>	25 feet
<b>Max. Case Pressure</b>	150 psi
<b>Motor Shaft Material</b>	304 Stainless Steel
<b>Motor Housing Material</b>	Painted Rolled Steel
<b>Motor Duty</b>	Continuous
<b>Motor Bearings</b>	Dual Sealed Single Row Ball
<b>Frequency (Hz)</b>	60
<b>RPM</b>	3450
<b>Motor Type</b>	184JM- TEFC
<b>Bearing Lubrication</b>	Permanently Lubricated
<b>Volute Material</b>	Cast Iron
<b>Impeller Type</b>	Enclosed
<b>Impeller Material</b>	304 Stainless Steel
<b>Adapter Material</b>	Cast Iron
<b>Hardware Material</b>	Plated Steel
<b>O-rings</b>	Buna-N
<b>Seal Type</b>	Single Mechanical
<b>Seal Materials</b>	Carbon / Silicon Carbide / Buna-N
<b>Operation</b>	Manual Operation
<b>Power Connection</b>	Conduit Box
<b>Max. Water Temperature</b>	40-180° F (4-82° C)
<b>Max. Ambient Temperature</b>	104° F (40° C)
<b>Designed Fluid Environment</b>	Liquid Transfer, Cooling, Circulating

HP	5	7.5
<b>Material Number</b>	5RWH4	5RWH5
<b>Voltage</b>	208-230 / 460	208-230 / 460
<b>Phase</b>	3	3
<b>Run Amps</b>	20.98-19.08 / 9.54	29.9-27.1 / 13.6
<b>Dimension A</b>	25.20	25.20
<b>Dimension B</b>	3.20	3.20
<b>Dimension C (Inch)</b>	6.50	6.50
<b>Dimension F (Inch)</b>	10.25	10.25
<b>Dimension G (Inch)</b>	3.00	3.00
<b>Dimension H (Inch)</b>	7.40	7.40
<b>Dimension J (Inch)</b>	4.86	4.86
<b>Dimension K (Inch)</b>	7.00	7.00

## Performance Data

<b>Head</b>	<b>5 HP</b>	Shut off 68 psi / 4.69 bar	PSI	10	20	30	40	50	60	70
<b>Flow Rate</b>		Max. Flow 119 gpm / 450 lpm	GPM	119	104	87	68	45	22	--
<b>Head</b>	<b>7.5 HP</b>	Shut off 76 psi / 5.24 bar	PSI	10	20	30	40	50	60	70
<b>Flow Rate</b>		Max. Flow 155 gpm / 587 lpm	GPM	155	143	129	109	82	30	19



**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](http://grainger.com/dayton)  
for complete product line information

