

GENERAL PURPOSE ENGINE COOLING

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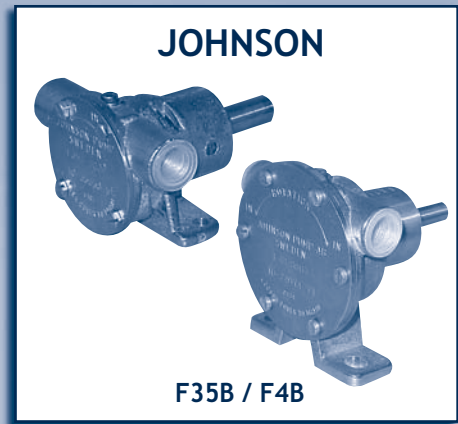
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3/8" PORTS, UP TO 9 GPM, DOUBLE BEARING DESIGN

These low flow bronze pumps manufactured by Johnson come with a lip seal, double ball bearings and stainless steel shaft. The F35B (JS 10-35038 series) comes with 3/8" FPT ports, the choice of 12mm or 3/8" shaft diameter and requires an envelope of 2 5/16" high x 3 3/16" wide x 3 5/8" long. The F4B (JS 10-24074 series) comes with 3/8" FPT ports, the choice of 12mm or 3/8" shaft diameter and requires an envelope of 3 1/2" high x 3" wide x 3 3/4" long. Both series have optional cam thicknesses that produce varying flows. See page 129 for service parts.

Discharge Head in Feet	Gallons Per Minute at RPM for F35B - Full Cam					Gallons Per Minute at RPM for F4B - Full Cam				
	500	900	1400	2000	2500	500	900	1400	2000	2500
10	.95	1.8	3.0	4.2	5.4	1.8	4.0	6.0	8.0	9.1
20	.90	1.6	2.8	4.1	5.2	1.4	3.7	5.5	7.4	8.7
Discharge Head in Feet	Gallons Per Minute at RPM for F35B - Half Cam					Gallons Per Minute at RPM for F4B - Half Cam				
	500	900	1400	2000	2500	500	900	1400	2000	2500
10	.50	1.1	1.7	2.5	3.3	1.0	2.0	3.0	4.1	4.7
20	-	.90	1.6	2.2	3.0	.79	1.7	2.5	3.6	4.1



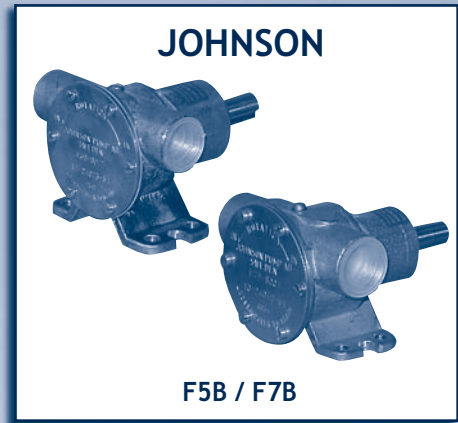
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F35B / F4B

3/4" - 1" PORTS, UP TO 28 GPM, DOUBLE BEARING DESIGN

These medium flow bronze pumps manufactured by Johnson come with a lip seal, double ball bearings and stainless steel shaft. The F5B (JS 10-24073 series) comes with 3/4" FPT ports, 5/8" shaft diameter and requires an envelope of 3 1/2" high x 4 3/16" wide x 5 1/16" long. The F7B (JS 10-24070 series) come with 1" FPT ports, 5/8" shaft diameter and requires an envelope of 3 11/16" high x 4 3/4" wide x 5 13/16" long. Both series have optional cam thicknesses that produce varying flows. See page 129 for service parts.

Discharge Head in Feet	Gallons Per Minute at RPM for F5B - Full Cam				Gallons Per Minute at RPM for F7B - Full Cam			
	500	900	1400	2000	500	900	1400	2000
10	3.1	5.5	8.7	12.2	6.6	12.1	19.6	28.3
20	3.0	5.3	8.5	11.9	6.0	11.6	19.0	27.5
Discharge Head in Feet	Gallons Per Minute at RPM for F5B - Half Cam				Gallons Per Minute at RPM for F7B - Half Cam			
	500	900	1400	2000	500	900	1400	2000
10	1.8	3.3	5.3	7.4	5.0	9.0	14.5	22.5
20	1.7	3.0	5.0	6.9	4.7	8.2	13.8	21.2



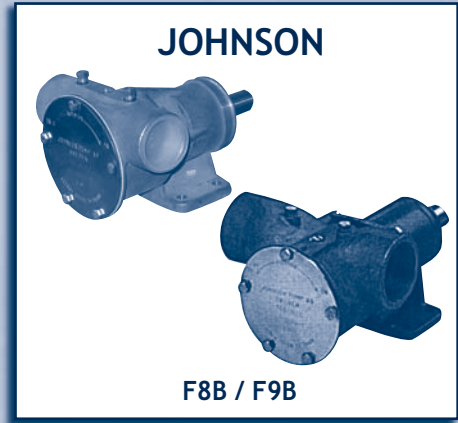
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F5B / F7B

1 1/4" - 2" PORTS, UP TO 99 GPM, DOUBLE BEARING DESIGN

These high flow bronze pumps manufactured by Johnson come with a mechanical seal, double ball bearings and stainless steel shaft. The F8B (JS 10-13021 series) comes with 1 1/4" or 1 1/2" FPT ports, 7/8" or 24mm diameter shaft and requires an envelope of 5 5/16" high x 6 3/16" wide x 8 1/2" long. The F9B (JS 10-13026 series) comes with 2" FPT ports, 24mm diameter shaft and requires an envelope of 6 1/2" high x 7 9/16" wide x 11 1/8" long. Both series have optional cam thicknesses that produce varying flows. See page 129 for service parts.

Discharge Head in Feet	Gallons Per Minute at RPM for F8B - Full Cam				Gallons Per Minute at RPM for F9B - Full Cam			
	700	1400	1750	2000	700	1400	1750	2000
10	23.1	50.0	63.7	73.7	34.1	70.8	87.5	99.3
20	21.1	47.6	61.6	71.3	32.8	68.9	85.3	97.2
Discharge Head in Feet	Gallons Per Minute at RPM for F8B - Half Cam				Gallons Per Minute at RPM for F9B - Half Cam			
	700	1400	1750	2000	700	1400	1750	2000
10	15.9	32.8	41.2	49.1	17.0	35.4	43.7	49.6
20	14.3	30.1	39.1	47.0	16.4	34.4	42.6	48.6



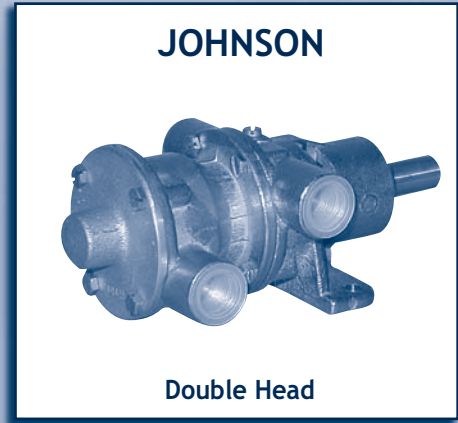
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F8B / F9B

3/8" PORTS, UP TO 9 GPM PER HEAD, PEDESTAL OR FLANGE

Johnson produces these unique double head pumps in pedestal and flange mounting. The F35B (JS 10-24143 series) driven pump will mount on the 4-screw cover of any currently manufactured F35B series pedestal or flange mount model. The F4B (JS 10-24144 series) driven pump will mount on the 6-screw cover of any currently manufactured F4B series pedestal or flange mount model. The below flow chart reflects the performance of each individual pump head with full or half cam.

Discharge Head in Feet	Gallons Per Minute at RPM for F35B - Full Cam					Gallons Per Minute at RPM for F4B - Full Cam				
	500	900	1400	2000	2500	500	900	1400	2000	2500
10	.95	1.8	3.0	4.2	5.4	1.8	4.0	6.0	8.0	9.1
20	.90	1.6	2.8	4.1	5.2	1.4	3.7	5.5	7.4	8.7
Discharge Head in Feet	Gallons Per Minute at RPM for F35B - Half Cam					Gallons Per Minute at RPM for F4B - Half Cam				
	500	900	1400	2000	2500	500	900	1400	2000	2500
10	.50	1.1	1.7	2.5	3.3	1.0	2.0	3.0	4.1	4.7
20	-	.90	1.6	2.2	3.0	.79	1.7	2.5	3.6	4.1



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Double Head