



OBERDORFER®

An Ingersoll Rand Business

Model 700 Bronze Close Coupled Centrifugal Pumps



Features

- Pipe Size: Inlet 1 1/4", Outlet 1"
- Rugged bronze Construction
- Quiet Operation
- O-Ring housing seal eliminates gasket problems
- Wide Hydraulic Range - Four Impeller sizes
- Handles contaminated liquids
- Discharge port orientation flexibility - 8 positions
- Mechanical Seal - Carbon/Ceramic, Buna - standard, Viton® (S10) optional, Teflon® (S11) optional
- Pump heads mount to standard footed NEMA 56J Jet Pump Motors
- Shafts: 416 Stainless
- Multiple motor options available
- For marine version of Model 700B - see 109MB
- For pedestal style version of Model 700D, see 70P

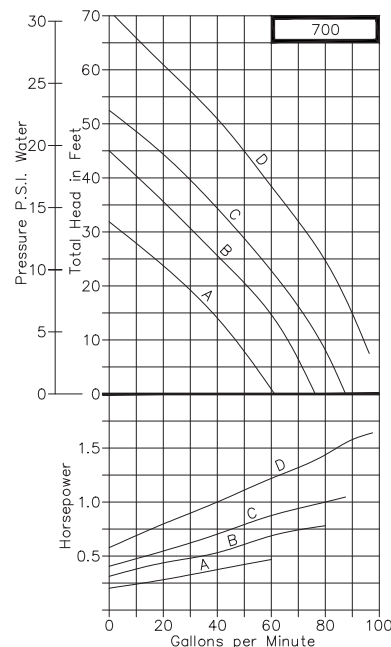
Liquids

The special pump alloys used provide corrosion resistance to many liquids including water, water solutions, and a wide range of commercial chemicals. Questions as to the chemical compatibility of special liquids should be referred to the factory.

Viscous liquids with a maximum viscosity of 2000 Saybolt Seconds Universal can be pumped. However, when pumping viscous liquids as compared with water, a reduction in flow and pressure occurs and the required horsepower rate increases. Liquids heavier than water require additional horsepower in direct proportion to the increase in specific gravity. Liquids contaminated with small solids or abrasives can be handled, but a reduction in mechanical seal life must be expected.

Performance

Capacity Water at 70°F / 3450RPM



	Pump No.	Electric Motor
A	OB700A-F13	1/3 HP, 3450 RPM, 115 v, Single Phase, ODP
A	OB700AP-F57	1/3 HP, 3450 RPM, 220/440 v, Three Phase, ODP
B	OB700B-J19	1/2 HP, 3450 RPM, 115/230v, Single Phase, ODP
B	OB700BP-J57	1/2 HP, 3450 RPM, 220/440v, Three Phase, ODP
C	OB700C-M19	3/4 HP, 3450 HP, 115/230v, Single Phase, ODP
C	OB700CP-M66	3/4 HP, 3450 HP, 208/220v, Three Phase, ODP
D	OB700D-T19	1 1/2 HP, 3450 RPM, 115/230v, Single Phase, ODP
D	OB700DP-T57	1 1/2 HP, 3450 RPM, 220/440v, Three Phase, ODP

Characteristics

This close-coupled pump uses a standard NEMA C-Flange Jet Pump Motor with weld-on base and threaded shaft for the impeller. Single-phase motors are non-reversible and pre-wired for counter-clockwise rotation (inlet view). Three-phase motors require rotation check; swapping any two wires reverses rotation.

The pump has a mechanical shaft seal with Buna N rubber, suitable for water, oils, and mild solvents (up to 212°F and 75 PSI). Viton® and Teflon® seals are available for harsher chemicals.

These centrifugal pumps are not self-priming and must be installed below liquid level (flooded suction). With a foot valve and manual priming, they can lift up to 15 ft, relying on a leak-free foot valve.

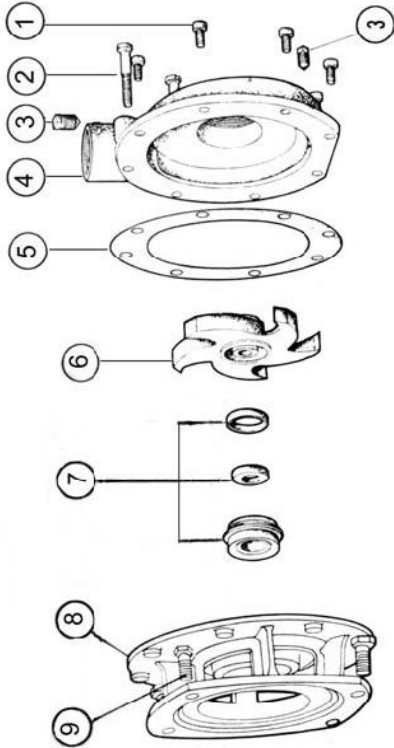
Flow is controlled by a discharge throttling valve, with no relief valve needed. Horsepower demand decreases as pressure increases, peaking at wide open discharge.



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Exploded View and Parts List

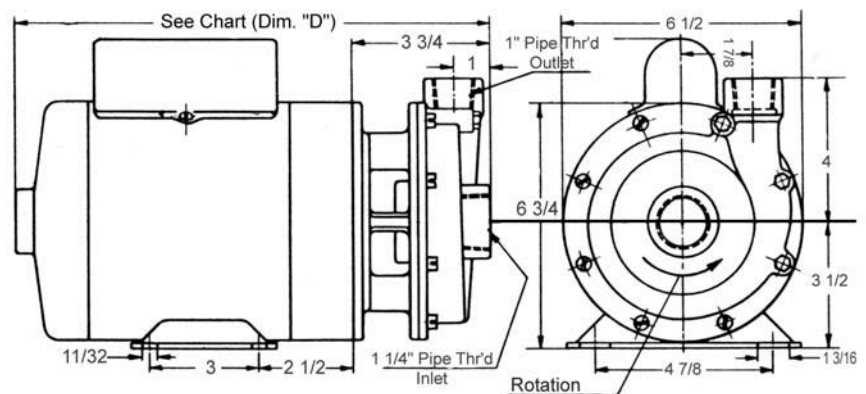


	1	2	3	4	5	6	7	8	9	11	12*	Repair Kit*
	Screw	Screw	Pipe Plug	Body	O-Ring	Impeller	Seal Assy	Adapter	Screw	Set Screw	Shims	
Pump No.	Qty. 5	Qty. 3	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 4	Qty. 1	As Req.	
OB700A					OB9797-157	OB6075	OB32154	OB5251	OB5411			OB10697
OB700AS10					OB9797-157	OB6296	OB32210	OB5251	OB5411			OB11046
OB700AS11					OB9355-157S	OB6296	OB32211	OB6300	OB5411			OB12272
OB700AP					OB9797-157	OB6078	OB32154	OB5251	OB5411	OB9849		OB10859
OB700APS10					OB9797-157	OB7195	OB32210	OB5251	OB5411	OB9849		OB12271
OB700APS11					OB9355-157S	OB7195	OB32211	OB6300	OB5411	OB9849		OB12273
OB700B					OB9797-157	OB6076	OB32154	OB5251	OB5411			OB10698
OB700BS10					OB9797-157	OB6297	OB32210	OB5251	OB5411			OB12274
OB700BS11					OB9355-157S	OB6297	OB32211	OB6300	OB5411			OB12276
OB700BP					OB9797-157	OB6519	OB32154	OB5251	OB5411	OB9849		OB10860
OB700BPS10					OB9797-157	OB7196	OB32210	OB5251	OB5411	OB9849		OB12275
OB700BPS11					OB9355-157S	OB7196	OB32211	OB6300	OB5411	OB9849		OB12277
OB700C					OB9797-157	OB6077	OB32154	OB5251	OB5411			OB10699
OB700CS10					OB9797-157	OB6180	OB32210	OB5251	OB5411			OB12278
OB700CS11					OB9355-157S	OB6180	OB32211	OB6300	OB5411			OB12280
OB700CP					OB9797-157	OB6520	OB32154	OB5251	OB5411	OB9849		OB10861
OB700CPS10					OB9797-157	OB7197	OB32210	OB5251	OB5411	OB9849		OB11697
OB700CPS11					OB9355-157S	OB7197	OB32211	OB6300	OB5411	OB9849		OB12281
OB700D					OB9797-157	OB5267	OB32154	OB5251	OB5411			OB10700
OB700DS10					OB9797-157	OB6179	OB32210	OB5251	OB5411			OB12282
OB700DS11					OB9355-157S	OB6179	OB32211	OB6300	OB5411			OB12284
OB700DP					OB9797-157	OB6521	OB32154	OB5251	OB5411	OB9849		OB10861
OB700DPS10					OB9797-157	OB7198	OB32210	OB5251	OB5411	OB9849		OB11729
OB700DPS11					OB9355-157S	OB7198	OB32211	OB6300	OB5411	OB9849		OB12285

Notes: Repair Kits contain items 5, 6, 7, 10 & 11. *Item 12 is not depicted in the exploded assembly.

Dimensions

	Pump No.	Impeller Dia.	D Dim.
A	OB700A-F13 OB700AP-F57	3.0	12 1/8
B	OB700B-J19 OB700BP-J57	3.5	12 7/8
C	OB700C-M19 OB700CP-M66	3.75	13
D	OB700D-T19 OB700DP-T57	4.25	14



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