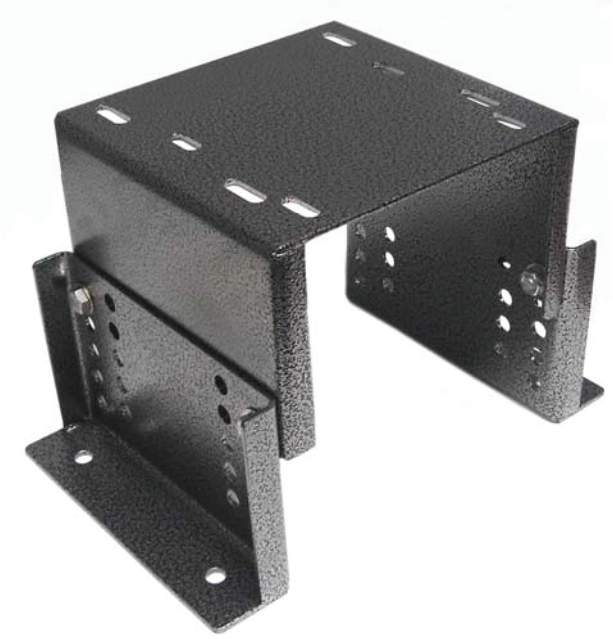

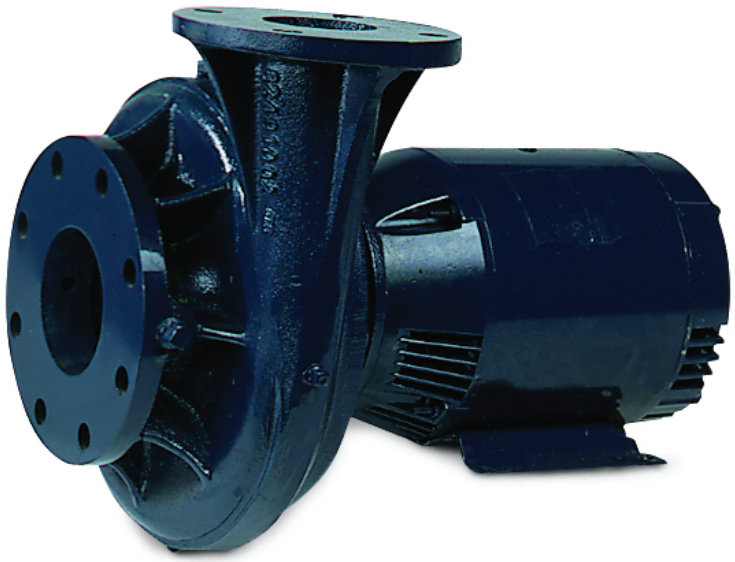

Optional adjustable pump mounting base.

Model Number	HP	Discharge Size	Suction Size	Load	Capacity In GPM			Weight Lbs.
					60 FT. T.D.H.	65 FT. T.D.H.	70 FT. T.D.H.	
NBR4FM5	5	4	5	NON-OVERLOADING	220	N/A	N/A	255
				MAX OUTPUT	290	N/A	160	
NBR4FH7.5	7 1/2	4	5	NON-OVERLOADING	330	325	290	305
				MAX OUTPUT	365	N/A	N/A	
NBR4FH10	10	4	5	NON-OVERLOADING	405	330	N/A	325
				MAX OUTPUT	535	N/A	440	
NBR6FL15	15	6	8	NON-OVERLOADING	765	565	N/A	435
				MAX OUTPUT	910	800	630	
NBR6FL20	20	6	8	NON-OVERLOADING	995	900	790	465
				MAX OUTPUT	1105	1040	950	
NBR6FM25	25	6	8	NON-OVERLOADING	1270	1175	1050	515
				MAX OUTPUT	1345	1260	1155	
NBR6FM30	30	6	8	NON-OVERLOADING	1345	1270	1155	565
				MAX OUTPUT	N/A	N/A	N/A	
NBR8FH40	40	8	8	NON-OVERLOADING	2065	1750	N/A	935
				MAX OUTPUT	2400	2200	1900	
NBR8FH50	50	8	8	NON-OVERLOADING	2675	2550	2400	995
				MAX OUTPUT	2820	2720	2600	
NBR8FH60	60	8	8	NON-OVERLOADING	2930	2845	2750	1195
				MAX OUTPUT	N/A	2940	2865	

R-5/6/11

CIRCULATING PUMP AND MOTOR

A. Furnish and install the horizontal close coupled, centrifugal pump, of bronze fitted construction as manufactured by Griswold Pump Company Model # described for the following conditions:

- Design Capacity GPM
- Design Total Head Ft.
- Maximum RPM
- Impeller Diameter "

B. The pump casing shall be ASTM 48, class 30, cast iron capable of hydrostatic test @ 150% of maximum discharge pressure and have replaceable suction wear rings(s).

- OR –

B. The pump casing shall be ASTM 48, class 30, cast iron capable of hydrostatic test @ 150% of maximum discharge pressure and have replaceable suction wear rings(s). The interior of the pump casing including the influent and effluent connections shall be sandblasted to near white metal per ISO 8501-SaZ.5. The pump casing shall be preheated and lined with Scotchkote 134.

C. The impeller shall be enclosed, single piece cast bronze casting, completely machined on all outside surfaces and statically balanced at time of pump assembly. The impeller shall be keyed to the shaft and securely fastened with a vibration resistant lock screw and washer.

D. The mechanical shaft seal shall have carbon/ceramic mating faces for leak free operation, with stainless steel internal parts.

E. The motor shall be close-coupled type. It shall be no less than Hp at RPM, and non-overloading at any point on the pump head-capacity curve. Motor power supply is volt Hertz phase. The motor bearing shall be selected to withstand thrust loads and have a minimum life of 100,000 average B-10 hours. Motor shall meet or exceed the minimum full load efficiencies as per NEMA MG-1 Table 12-11.

F. The motor shall be heat treated carbon steel, turned and ground, protected by a bronze sleeve secured to the shaft to prevent rotation. The maximum allowable no-load shaft run-out shall be .002.

G. The impeller shall not contact the suction wear ring under any operating load condition.

H. The pump and motor shall be connected by an ASTM 48, Class 30, cast iron bracket incorporating a full isolating shield with a slinger to prevent moisture from entering the front motor bearing, pump shall be of the back pull-out design to permit removal

of the motor and all rotating parts without breaking the suction and discharge connections. Discharge can be rotated for 45° position changes.

Pump shall carry NSF standard 50 listing.