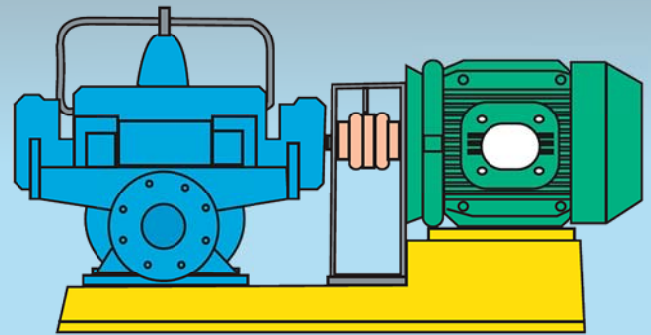
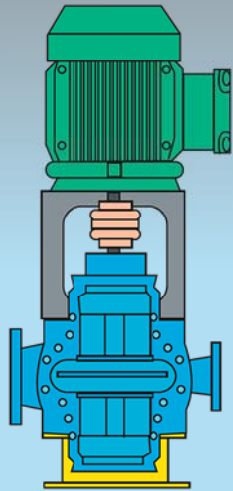


FLO FAB

Double Suction Split Case

Series 4800 V/H

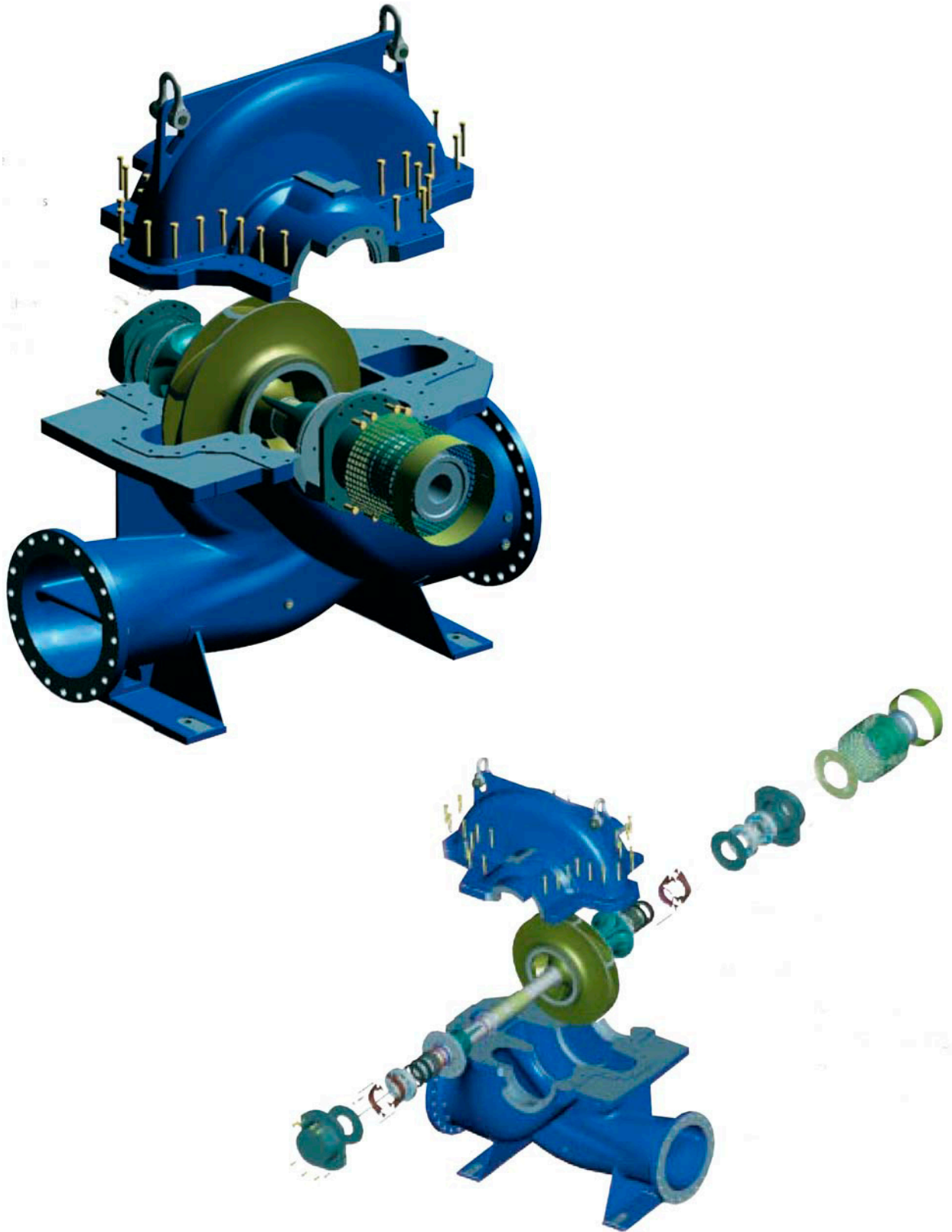


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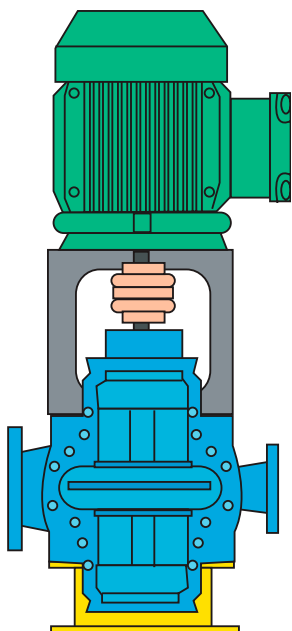
Manufacturer of Pumps, Tanks, Heat Exchangers & Accessories
for HVAC Market After-Sales Parts and Services

Double Suction Split Case
Series 4800 V/H

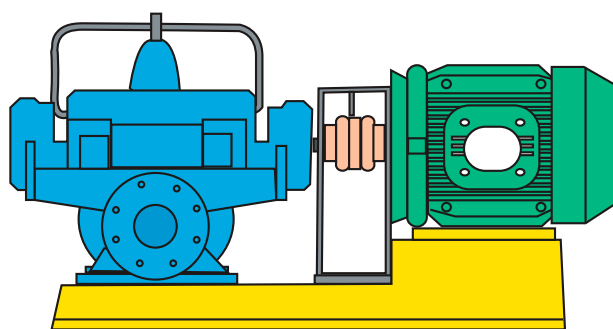
FLO FAB INC
LAKE WORTH,
FLORIDA, USA



Series 4800 V



Series 4800 H



Features and Benefits

Application: The series 4800 are double suction split case type and are most commonly applied for heating and air conditioning systems or other industrial applications.

Features and Benefits

The axially split volute casing of this series makes this pump especially easy to service. Inspection of the rotor assembly is possible without removing the pump from the piping. When assembling, the locking of the upper part takes place automatically.

Innovative Casing: Hydraulically optimized casing in several material variants.

Seal Appropriate for the Application: Mechanical seals or asbestos-free gland packing suitable to the application.

Low Vibration: Small bearing distance and short rotors for low vibration operation.

Variable Components: Same sealing and bearing housing, bearings and seals on both sides.

“Power” Impeller: Minimum axial thrust for best hydraulic values.

Long-Life Bearings: Covered, grease lubricated rolling element bearings for long operating life.

Operating Data

Sizes: (DN) 80 to 350 mm (3" to 14")

Flow: (Q) up to 1100 L/s (17 000 USGPM)

Head: (H) up to 229 m (750 ft)

Maximum Operating Pressure: (P) up to 365 PSI

Maximum Operating Temperature: (t) up to 193°C (379°F)

Speed: (n) up to 3450RPM

Construction Features

Bearing Bracket: Shaft is a high grade alloy steel for highest yield and tensile strength, precision turned, grounded and polished. The ball bearing assemblies employ precision over-size bearings front and back to handle thrust and radial loads. These bearings are factory greased for longer lasting trouble-free operation. The bearing assemblies can be removed for maintenance without disturbing the piping.

Casing: The casing is of double-volute design, accomplishing two functions: First: radial impeller loads are reduced, for smaller bearing loads, and less power loss. Second: higher pump efficiencies are obtained over a greater range of flow.

Coupling: Rugged in construction, longer bearing, motor and pump life as well as smooth, quiet operation of both motor and pump are assured. Simple in design and easily installed, the couplings are unaffected by abrasives, dirt or moisture. There is no need for lubrication or maintenance. The non-metallic sleeve acts as a barrier insulating the motor from the pump, a coupling guard is supplied as standard equipment.

Motors: Only the highest quality name brand motors specially selected for quietness are used on series 4800 pumps. Ball bearing motors are standard. Motors are 1150, 1750 or 3450 RPM. The motors are sized so that the maximum brake Horsepower output required is less than allowed by the motor manufacturer's warranty.

Base: The base is constructed of structural steel channel.

Suction and Discharge Connections: Located on the sides of the casing, which results in ease of maintenance and piping.

Mechanical Seals: The mechanical seals used in series 4800 pumps are specially selected and as applied to these pumps are suitable for water temperatures up to 379°F. The carbon rotating member and ceramic stationary member with precision lapped surfaces insure long life and positive prevention of leakage. Access plate in the front of the case readily allows seal replacement when required, without disturbing piping, bearing assembly, coupling or motor.

Impeller: Enclosed bronze impeller for double suction, is machined all over for greatest efficiency. All impellers are hydraulically balanced to assure minimum thrust.

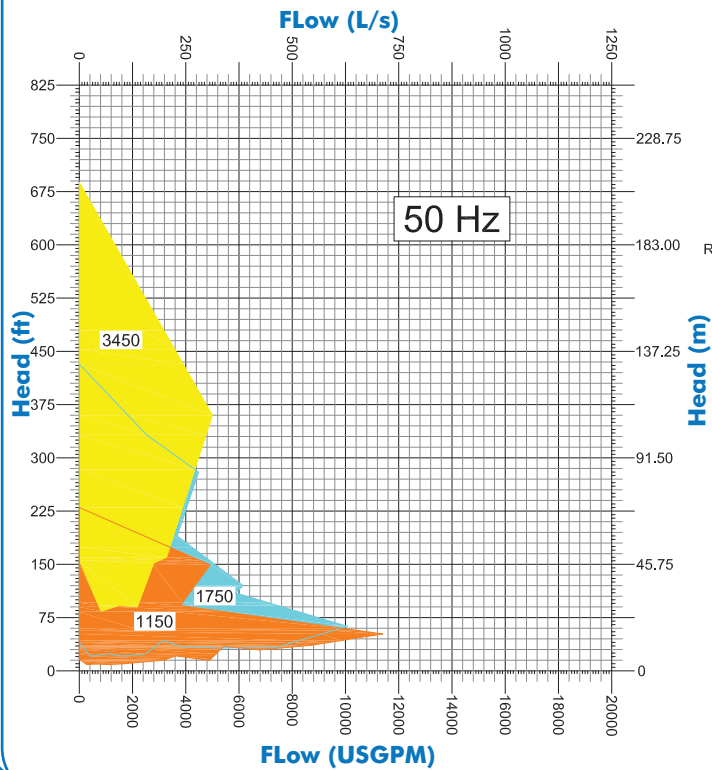
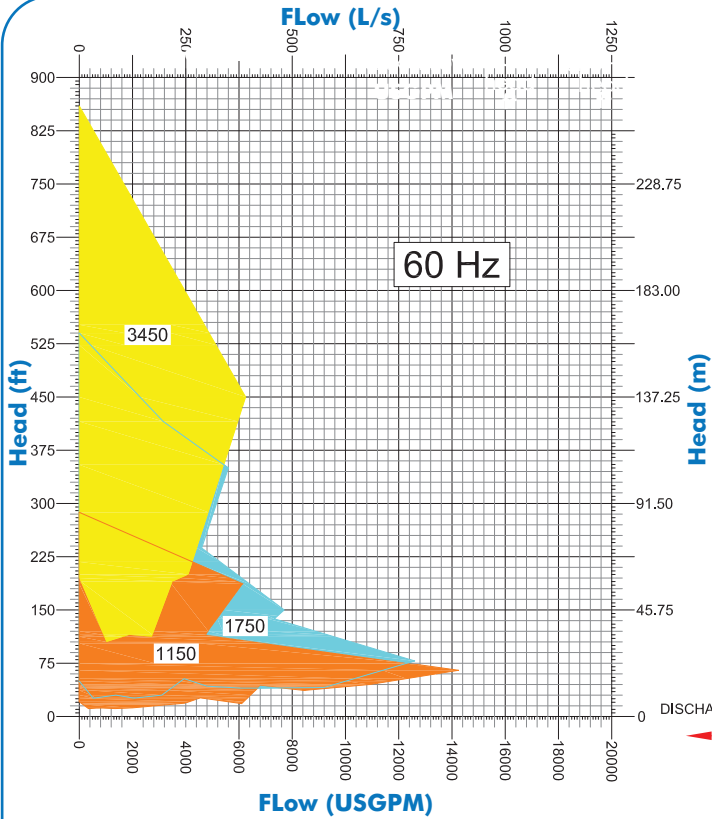
Wearings: Cast Iron impeller or casing wearings are supplied as standard. These wearings are replaceable and prevent costly wear to both the casing and the impeller. Bronze or Stainless Steel is optional.

Available Models for Series 4800H



Models	1150 RPM			1750 RPM			3450 RPM		
	MAX. FLOW	LOW HEAD	SHUT-OFF HEAD	MAX. FLOW	LOW HEAD	SHUT-OFF HEAD	MAX. FLOW	LOW HEAD	SHUT-OFF HEAD
	USGPM	ft	ft	USGPM	ft	ft	USGPM	ft	ft
5 X 3 - 8.4	435	17.5	34	660	41	79	1325	165	315
5 X 3 - 9.84	590	35	51,5	900	80	119	1800	325	475
5 X 3 - 13.58	525	57	87	800	130	203	1725	525	810
6 X 4 - 10.0	810	21	48	1240	49	111	2480	200	440
6 X 4 - 12.20	810	52	82	1225	120	190	2450	480	760
6 X 4 - 14.76	850	74	126	1300	170	294	3500	190	420
6 X 4 - 16.06	770	82	128	1130	192	295	6250	450	860
8 X 5 - 9.64	1155	21	45	1750	48	105	--	--	--
8 X 5 - 11.81	1380	37	69	2125	85	160	--	--	--
8 X 5 - 15.15	1500	75	102	2300	175	260	--	--	--
8 X 5 - 18.0	1440	140	180	2200	325	420	--	--	--
8 X 6 - 10.94	2125	27	60	3225	63	140	--	--	--
8 X 6 - 13.58	2050	49	93	3125	112	215	--	--	--
8 X 6 - 17.87	2300	110	157	3500	250	363	--	--	--
8 X 6 - 21.33	2550	170	235	3800	390	540	--	--	--
10 X 8 - 12.7	3400	37	90	5200	88	207	--	--	--
10 X 8 - 16.22	3175	80	128	4800	185	297	--	--	--
10 X 8 - 20.7	3700	152	215	5600	350	500	--	--	--
12 X 10 - 14,76	4400	47	108	7400	110	250	--	--	--
12 X 10 - 17.91	5000	65	158	7700	150	367	--	--	--
12 X 10 - 18.18	5650	100	174	8600	230	405	--	--	--
12 X 10 - 23.7	6150	187	287	--	--	--	--	--	--
12 X 12 - 12.12	5400	37	75	8100	73	175	--	--	--
14 X 12 - 13.3	4400	28	70	6700	67	161	--	--	--
16 X 12 - 17.32	8400	65	187	--	--	--	--	--	--
16 X 14 - 15.03	6350	34	95	12600	78	220	--	--	--
18 X 16 - 17.2	10625	59	127	--	--	--	--	--	--
20 X 20 - 15.2	10700	59	127	--	--	--	--	--	--
20 X 20 - 18.3	14250	65	140	--	--	--	--	--	--

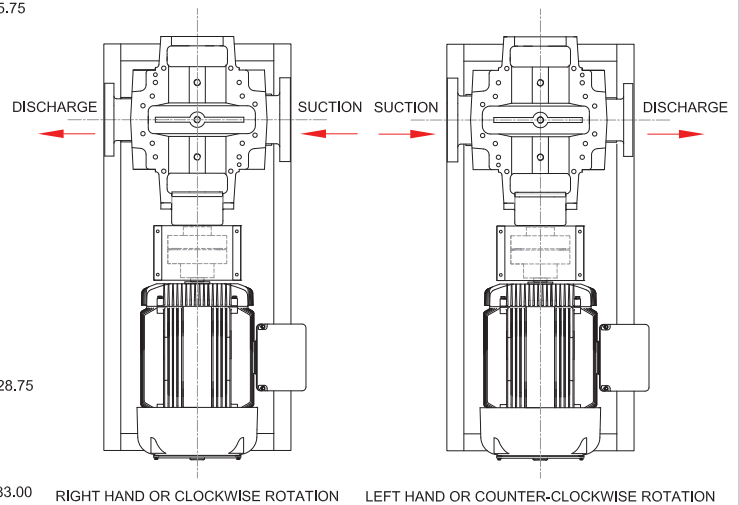




DIRECTION OF ROTATION

The rotation of a horizontal split case pump is determined by viewing the pump from the driver end in the direction of the arrow. The rotation fixes the position of the suction and discharge flanges.

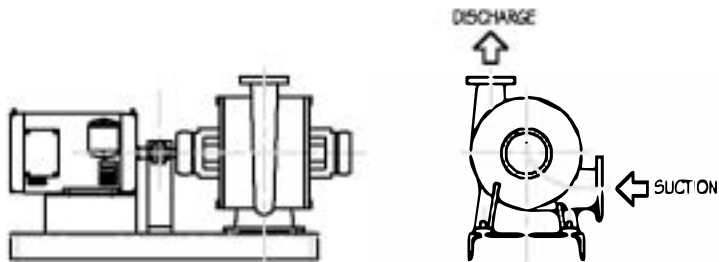
For pumps having dual drive such as engine and electric motor, the rotation is specified from the **engine end** of the unit.



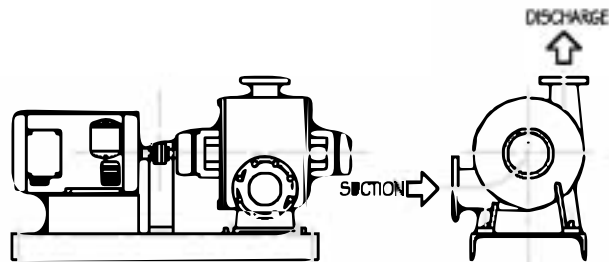


SERIES 4800 PUMPS

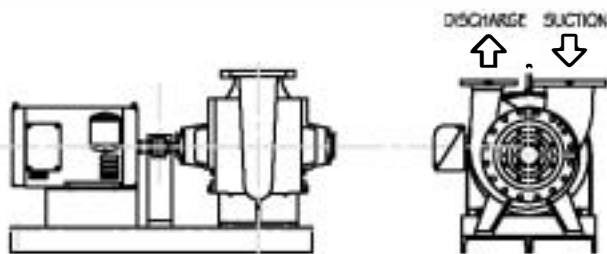
OPTIONS : LEFT HAND OR RIGHT HAND ROTATION



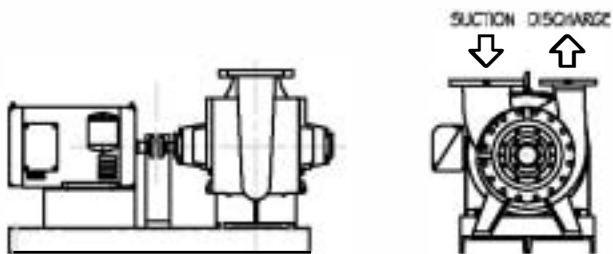
SERIES 4800L - LEFT HAND ROTATION
COUNTER CLOCKWISE ROTATION



SERIES 4800R - RIGHT HAND ROTATION
CLOCKWISE ROTATION



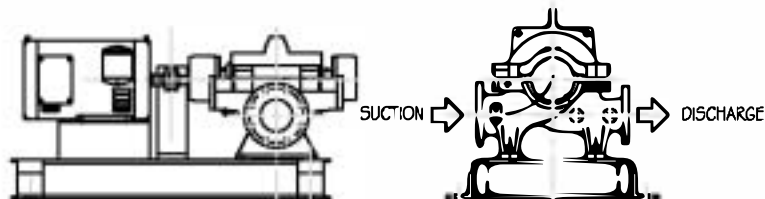
SERIES 4800U - LEFT HAND ROTATION
COUNTER CLOCKWISE ROTATION



SERIES 4800U - RIGHT HAND ROTATION
CLOCKWISE ROTATION



SERIES 4800 - LEFT HAND ROTATION
COUNTER CLOCKWISE ROTATION



SERIES 4800 - RIGHT HAND ROTATION
CLOCKWISE ROTATION

PUMP TAG NO : _____

ACCEPTED BY : _____

DATE : _____

For Future Use

For Future Use

For Future Use

FF

FLO FAB



**Manufacturer of Pumps, Tanks, Heat Exchangers & Accessories
for HVAC Market After-Sales Parts and Services**

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FLO-FAB INC
LAKE WORTH,
FLORIDA, USA

SEPTEMBER 2009