



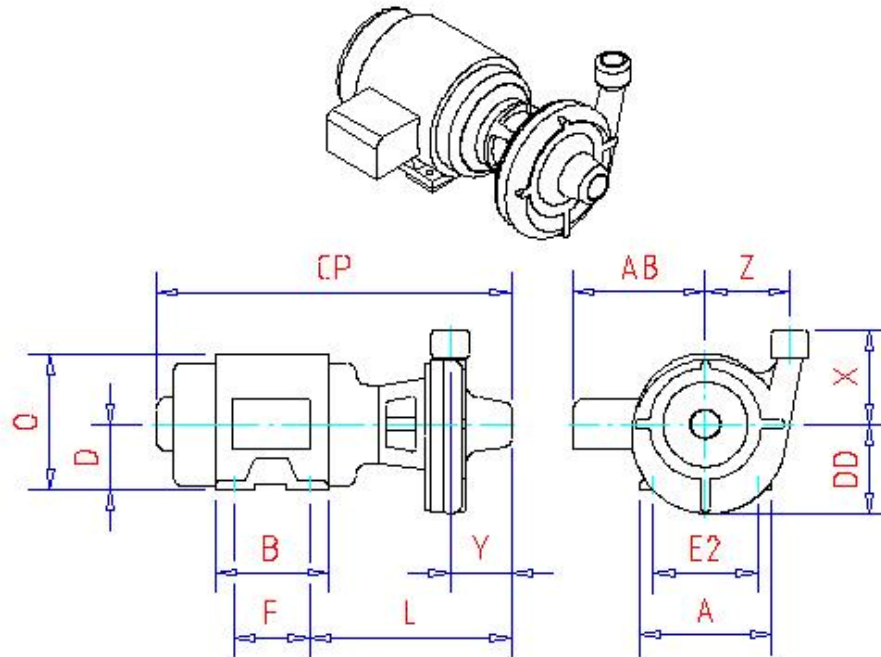
# Marlow Pumps



End suction centrifugal pump line available in both close coupled and frame mounted configurations allow users to meet exactly most flow conditions on commercial pool and waterpark applications.

## Features and Benefits

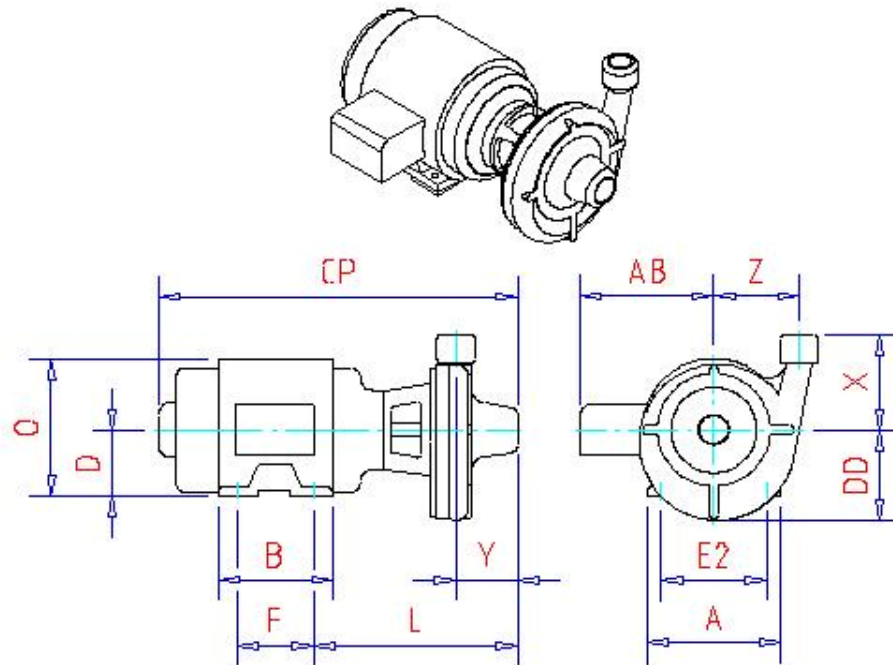
- Rugged Cast Iron Construction
- Highly Efficient, Enclosed Bronze Impeller
- Cast Iron Casing with 125# Flat Face Flange Connections
  
- Broad Hydraulic Coverage
- Replaceable Shaft Sleeve Protects Shaft
- Ease of Maintenance
- Self-lubricating Mechanical Seal
- Back Pull-out Design
- Nationally Known Brand Motors
- NSF Certified



**Product Details for 530SC\_1P5\_9SC\_184JM\_SS**

Category: 1-1/2-9SC

Attributes	Values
Manufacturer	ITT Marlow
Product Series	530 SC Series
Pump Size Discharge	1-1/2-9SC
Seal Type	Standard Seal
Description	530 SC Series 1-1/2-9SC Centrifugal Pump Submittal
Order Number	B-335.7F
MF-Motor Frame	184JM
A-Width	9
AB-Length	8-1/2
B-Length	7-1/2
CP-Length	21-3/4
D-Height	4-1/2
DD-Height	9-3/8
E2-Spacing	7-1/2
F-Spacing	5-1/2
H-Hole Dia	13/32
L-Length	11-3/8
O-Height	6-1/4
X-Height	6-1/2
Y-Length	3-1/8
Z-Lengh	5-3/4

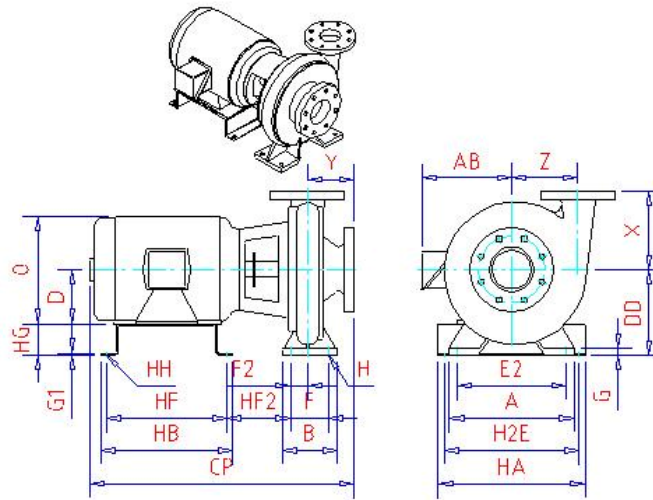


**Product Details for 530SC\_3\_9SC\_215JM\_SS**

Category: 3-9SC

Attributes	Values
Manufacturer	ITT Marlow
Product Series	530 SC Series
Pump Size Discharge	3-9SC
Seal Type	Standard Seal
Description	530 SC Series 3-9SC Centrifugal Pump Submittal
Order Number	B-336F
MF-Motor Frame	215JM
A-Width	10-1/2
AB-Length	10-3/4
B-Length	9
CP-Length	27-1/2
D-Height	5-1/4
DD-Height	11-1/8
E2-Spacing	8-1/2
F-Spacing	7
H-Hole Dia	13/32
L-Length	14-5/16
O-Height	7
X-Height	7-1/2
Y-Length	4-3/4
Z-Lengh	6-1/8

N 1/13/12



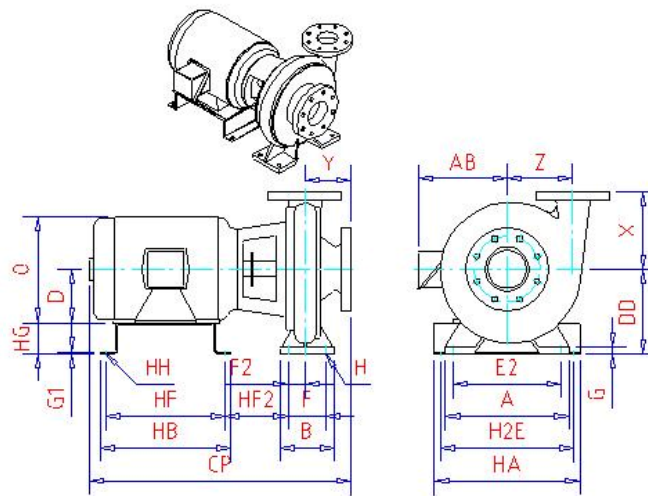
**Product Details for 530SC\_4\_13SC\_256JP**

Category: 4-13SC

Attributes	Values
Manufacturer	ITT Marlow
Product Series	530 SC Series
Pump Size Discharge	4-13SC
Description	530 SC Series 4-13SC Centrifugal Pump Submittal
Order Number	B-338.2A
MF-Motor Frame	256JP
A-Width	16
AB-Width	8.94
B-Length	7
CP-Length	32.44
D-Length	6.25
DD-Height	11
E2-Hole Dia	14
F-Height	5
F2-Spacing	2.25
G-Length	0.88
G1-Height	0.25
H-Spacing	0.62
HA-Spacing	14
HB-Length	16
HF-Length	14.5
HF2-Length	8.13
H2E-Hole Dia	12.5
HH-Spacing	0.62
HG-Height	4.75
O-Height	12.44
X-Height	10
Y-Length	6
Z-Length	8.56

N 1/17/12





**Product Details for 530SC\_8\_13SC\_286JP**

Category: 8-13SC

Attributes	Values
Manufacturer	ITT Marlow
Product Series	530 SC Series
Pump Size Discharge	8-13SC
Description	530 SC Series 8-13SC Centrifugal Pump Submittal
Order Number	B-338.5A
MF-Motor Frame	286JP
A-Width	21.44
AB-Width	11.88
B-Length	7.87
CP-Length	36.11
D-Length	7
DD-Height	14.37
E2-Hole Dia	17.62
F-Height	5.9
F2-Spacing	2.95
G-Length	0.62
G1-Height	0.25
H-Spacing	0.75
HA-Spacing	27.5
HB-Length	17.38
HF-Length	15.88
HF2-Length	7.7
H2E-Hole Dia	26
HH-Spacing	0.75
HG-Height	7.37
O-Height	14.19
X-Height	17.32
Y-Length	4.77
Z-Lengh	0

N 1/17/12



## CIRCULATING PUMP AND MOTOR

A. Furnish and install the horizontal close coupled, centrifugal pump, of bronze fitted construction as manufactured by Marlow, a division of Xylem Inc., Model # described for the following conditions:

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

B. Pump volute shall be of a cast iron design (ASTM 48, Class 30) rated for 175 PSIG with integral cast iron flanges drilled for 125# ANSI companion flanges. Volute shall include gauge ports at nozzles, and vent and drain ports. The pump and motor shall be connected by an ASTM 48, Class 30, cast iron bracket with a slinger to prevent moisture from entering the front motor bearing. Pump shall be of back pull out design to permit removal of the motor and all rotating parts without breaking the suction and discharge connections.

-OR-

C. Pump volute shall be of a cast iron design (ASTM 48, Class 30) rated for 175 PSIG with integral cast iron flanges drilled for 125# ANSI companion flanges with replaceable bronze casing wear ring. Volute shall include gauge ports at nozzles, and vent and drain ports. The pump and motor shall be connected by an ASTM 48, Class 30, cast iron bracket with a slinger to prevent moisture from entering the front motor bearing. Pump shall be of back pull out design to permit removal of the motor and all rotating parts without breaking the suction and discharge connections. All wetted cast iron surfaces of volute and bracket shall have a fusion bonded epoxy coating. Sandblast to bare, white metal. Thickness of coating shall be 8 to 12 mils (heavy film). Coating shall be Scotchkote 134.

D. The impeller shall be an enclosed, single piece cast bronze casting, completely machined on all outside surfaces and statically balance at time of pump assembly. The impeller shall be keyed to the shaft and securely fastened with a vibration resistant lock screw and washer. The impeller shall be manufactured from Alloy C95800, Aluminum Bronze; suitable for use with chlorinated water. The impeller shall not contact the suction wear ring under any operating load condition.

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

F. The motor shall be close coupled type. It shall be no less than    HP at    RPM, be non-overloading at any point on the pump curve and shall meet NEMA specifications. Motor supply is    volts,    Hertz,    phase. The motor shall be    (insert either *Energy* or

*Premium*) efficient. The motor bearings shall be selected to withstand thrust loads and have a minimum life of 100,000 average B-10 hours. Motors shall meet or exceed the minimum full load efficiencies as per NEMA MG-1, Table 12-11.

- G. The motor shall have a solid SAE1144 steel shaft. A bronze shaft sleeve shall be employed to completely cover the wetted area under the seal.
- H. Pumps shall conform to ANSI/HI 9.6.3.1 standard for Preferred Operating Region (POR) unless otherwise approved by the engineer. The pump NPSH shall conform to the ANSI/HI 9.6.1-1997 standards for *Centrifugal and Vertical Pumps for NPSH Margin*.
- I. Pump shall be of maintainable design and for ease of maintenance should use machine fit parts and not press fit parts.
- J. Pump manufacturer shall be ISO-9001 certified
- K. Each pump shall be factory tested and name-plated before shipment.
- L. Pump shall be NSF standard 50 listed.