

# Lobee Pump and Machinery Co.

EFFECTIVE APRIL 1, 2013

## Vertical Sump Pump Model Number Build

### GENERAL CONFIGURATION OF SUMP PUMP

	<u>Base Model</u>	
Model S or SH, Cast Iron with Bronze Sleeve Bearings, Floor Mounted, NEMA 1 Indoor Float Switch	S/SH	XXX
Model SA or SHA, Cast Iron with Bronze Sleeve Bearings, Suspended Type, 20" Round Alum Split Cover, Discharge Pipe, NEMA 1 Indoor Float Switch	SA/SHA	XXX

### PUMP SIZE

5.25" Impeller, 1/3 HP Rated, 1750 RPM Electric Motor  
 5.75" Impeller, 1/2 HP Rated, 1750 RPM Electric Motor  
 6.00" Impeller, 3/4 HP Rated, 1750 RPM Electric Motor  
 3.75" Impeller, 1 1/2 HP Rated, 3450 RPM Electric Motor  
 4.25" Impeller, 2 HP Rated, 3450 RPM Electric Motor  
 4.75" Impeller, 3 HP Rated, 3450 RPM Electric Motor

### Pump Size

3	-
5	-
7	-
15	-
20	-
30	-

### MOTOR PHASE

Single  
 Three

### Motor Phase

S	-
P	-

### SUMP DEPTH

2' - Cover to Sump Bottom  
 3' - Cover to Sump Bottom  
 4' - Cover to Sump Bottom  
 5' - Cover to Sump Bottom  
 6' - Cover to Sump Bottom  
 7' - Cover to Sump Bottom  
 8' - Cover to Sump Bottom  
 9' - Cover to Sump Bottom  
 10' - Cover to Sump Bottom  
 \* Contact Factory for longer sump depth pricing

### Length S/SH SA/SHA

2		
3		
4		
5		
6		
7		
8		
9		
10		
10+		

### MOTOR SELECTION

#### SINGLE PHASE, OPEN DRIP PROOF (ODP)

ODP Motor(1ph)-1/3 HP, 56C Frame, Roundbody, 1725 RPM, 1/60/115-208VAC Std Eff.  
 ODP Motor(1ph)-1/2 HP, 56C Frame, Roundbody, 1725 RPM, 1/60/115-208VAC Std Eff.  
 ODP Motor(1ph)-3/4 HP, 56C Frame, Roundbody, 1725 RPM, 1/60/115-208VAC Std Eff.  
 ODP Motor(1ph)-1-1/2 HP, 56C Frame, Footless(round body), 3450 RPM, 1/60/115-208/230VAC Std Eff.  
 ODP Motor(1ph)-2 HP, 56C Frame, Roundbody, 3450 RPM, 1/60/115-208/230VAC Std Eff.  
 ODP Motor(1ph)-3 HP, 56C Frame, Roundbody, 3450 RPM, 1/60/115-208/230VAC Std Eff.

### Motor Type

O10  
 O11  
 O09  
 O18  
 O19  
 O20

#### SINGLE PHASE, TOTALLY ENCLOSED FAN COOLED(TEFC)

TEFC Motor(1ph)-1/3 HP, 56C Frame, Roundbody, 1800 RPM, 1/60/115-208VAC Std Eff.  
 TEFC Motor(1ph)-1/2 HP, 56C Frame, Roundbody, 1800 RPM, 1/60/115-208VAC Std Eff.  
 TEFC Motor(1ph)-3/4 HP, 56C Frame, Roundbody, 1800 RPM, 1/60/115-208VAC Std Eff.  
 TEFC Motor(1ph)-1 1/2 HP, 56C Frame, Roundbody, 3450 RPM, 1/60/115-208/230VAC Std Eff.  
 TEFC Motor(1ph)-2 HP, 56C Frame, Roundbody, 3450 RPM, 1/60/115-208/230VAC Std Eff.  
 TEFC Motor(1ph)-3 HP, 145TC Frame, Roundbody, 3600 RPM, 1/60/230VAC Std Eff.

T13  
 T12  
 T14  
 T15  
 T16  
 T17

#### THREE PHASE, TOTALLY ENCLOSED FAN COOLED(TEFC)

TEFC Motor(3 ph)-1/3 HP, 56C Frame, Roundbody, 1800 RPM, 3/60/208-230/460VAC Std Eff.  
 TEFC Motor(3 ph)-1/2 HP, 56C Frame, Roundbody, 1800 RPM, 3/60/208-230/460VAC Std Eff.  
 TEFC Motor(3 ph)-3/4 HP, 56C Frame, Roundbody, 1800 RPM, 3/60/208-230/460VAC Std Eff.  
 TEFC Motor(3 ph)-1 1/2 HP, 56C Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Std Eff.  
 TEFC Motor(3 ph)-2 HP, 56C Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Std Eff.  
 TEFC Motor(3 ph)-3 HP, 56C Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Std Eff.

T33  
 T32  
 T34  
 T35  
 T36  
 T37

#### SINGLE PHASE, WASHDOWN DUTY, TOTALLY ENCLOSED NON-VENTED(TENV)

Washdown Duty, TENV Motor(1 ph)-1/2 HP, 56C Frame, Roundbody, 1725 RPM, 1/60/115-208/230VAC  
 Washdown Duty, TENV Motor(1 ph)-3/4 HP, 56C Frame, Roundbody, 1725 RPM, 1/60/115-208/230VAC Energy Eff.

W38  
 W39

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3/20/2013

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### THREE PHASE, WASHDOWN DUTY, TOTALLY ENCLOSED NON-VENTED(TENV)

Washdown Duty, TENV Motor(3 ph)-1/3 HP, 56C Frame, Roundbody, 1725 RPM, 3/60/208-230/460VAC Energy Eff.	W33
Washdown Duty, TENV Motor(3 ph)-1/2 HP, 56C Frame, Roundbody, 1725 RPM, 3/60/208-230/460VAC Energy Eff.	W32
Washdown Duty, TENV Motor(3 ph)-3/4 HP, 56C Frame, Roundbody, 1725 RPM, 3/60/208-230/460VAC Energy Eff.	W34
Washdown Duty, TENV Motor(3 ph)-1 1/2 HP, 56C Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Energy Eff.	W35
Washdown Duty, TENV Motor(3 ph)-2 HP, 56C Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Energy Eff.	W36
Washdown Duty, TENV Motor(3 ph)-3 HP, 56C Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Energy Eff.	W37

### SINGLE PHASE, EXPLOSION PROOF DIV. 1, CLASS I GRP CD, CLASS II GRP EFG

XP Motor(1ph)-1/3 HP, 56C Frame, Roundbody, 1800 RPM, 1/60/115-208VAC Std Eff.	E13
XP Motor(1ph)-1/2 HP, 56C Frame, Roundbody, 1800 RPM, 1/60/115-230VAC Std Eff.	E12
XP Motor(1ph)-3/4 HP, 56C Frame, Roundbody, 1800 RPM, 1/60/115-208VAC Std Eff.	E14
XP Motor(1ph)-1 1/2 HP, 56C Frame, Roundbody, 3450 RPM, 1/60/115-208/230VAC Std Eff.	E15
XP Motor(1ph)-2 HP, 143TC Frame, Roundbody, 3450 RPM, 1/60/115-208/230VAC Std Eff.	E16

### THREE PHASE, EXPLOSION PROOF DIV. 1, CLASS I GRP CD, CLASS II GRP EFG

XP Motor(3 ph)-1/3 HP, 56C Frame, Roundbody, 1800 RPM, 3/60/208-230/460VAC Std Eff.	E33
XP Motor(3 ph)-1/2 HP, 56C Frame, Roundbody, 1800 RPM, 3/60/208-230/460VAC Std Eff.	E32
XP Motor(3 ph)-3/4 HP, 56C Frame, Roundbody, 1755 RPM, 3/60/208-230/460VAC Std Eff.	E34
XP Motor(3 ph)-1 1/2 HP, 143TC Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Std Eff.	E35
XP Motor(3 ph)-2 HP, 143TC Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Std Eff.	E36
XP Motor(3 ph)-3 HP, 143TC Frame, Roundbody, 3450 RPM, 3/60/208-230/460VAC Std Eff.	E37

\*\*\*For special voltages or motor name plates, refer to factory

### REDUCTIONS FOR UN-NEEDED PARTS/ASSEMBLIES

Subtract for Float Switch Only - Less NEMA 1 switch, mount bracket and hardware

Subtract for Float Assembly Complete - Less NEMA 1 switch, mount bracket, hardware, float, float rod, guide and stops

### AVAILABLE OPTIONS AND ACCESSORIES - List Price Adders

### Model

#### Float Switches

Water-Tight Float Switch, NEMA 4, Indoor-Outdoor	WFS
Explosion-proof Float Switch, NEMA 7/9, Explosion Proof, Class I, Div 1 & 2, Grp C/D, and Class II, Div 1 & 2, Grp EFG	EFS
High Water Alarm, LLC-1H (110/220V)	HWA
Vapor-tight Construction	VTC

#### Sleeve Bearings

Rulon™ Lower Sleeve Bearing for <b>Iron</b> Casings (High Temp and No-Brass/Bronze Applications)	RBC
Rulon™ Lower Sleeve Bearing for <b>Iron</b> Intermediate Bearings (High Temp and No-Brass/Bronze Applications)	RBI

#### Bronze Construction Materials

Bronze Impeller	BI
Bronze Pump End	BE
Bronze Column and Discharge Pipe, per foot	BCD

#### 316 Stainless Steel Construction Materials

316 Stainless Steel Pump End, Float, Guide & Stops and Rulon sleeve bearings	SFRRBSE		
<u>316 Stainless Steel Column, Discharge, Shaft and Float Rod</u>	<u>Length</u>	<u>S/SH</u>	<u>SA/SHA</u>
2' - Cover to Sump Bottom	SCD2		
3' - Cover to Sump Bottom	SCD3		
4' - Cover to Sump Bottom	SCD4		
5' - Cover to Sump Bottom	SCD5		
6' - Cover to Sump Bottom	SCD6		
7' - Cover to Sump Bottom	SCD7		
8' - Cover to Sump Bottom	SCD8		
9' - Cover to Sump Bottom	SCD9		
10' - Cover to Sump Bottom	SCD10		
* Contact Factory for longer sump depth pricing	10+		

#### Special Diameter Cover Plates

14" diameter Steel Cover Plate	14SC
20" diameter Steel Cover Plate	20SC

(Above plates in lieu of 20" diameter Split Aluminum Cover Plate on SA models)

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## Connection Porting

1-1/2" ANSI 16.5 Flange Port (in place of standard NPT)

FDP1.5

## DUPLEX PUMP OPTIONS

### Float Switches

Mechanical Alternator (in lieu of two float switches), Square D 9038, AG-1 (open)	MA1
Mechanical Alternator (in lieu of two float switches), Square D 9039, AW-1 (water-tight)	MA2
Mechanical Alternator (in lieu of two float switches), Square D 9038, AR-1 (explosion-proof)	MA3

### Sump Cover Plates

<u>Size</u>	<u>Round</u>	<u>Square</u>
20" Diameter x 1/4" Plate Mild Steel, Painted		DC20
27" Diameter x 1/4" Plate Mild Steel, Painted		DC27
30" Diameter x 1/4" Plate Mild Steel, Painted		DC30
40" Diameter x 3/8" Plate Mild Steel, Painted		DC40

\*\*\*\*THERE IS A \$115.00 NET CRATING CHARGE PER PUMP UNIT

### LIMITED WARRANTY

Lobee Pump & Machinery Company, for a period of ninety (90) days after date of shipment from its plant, guarantees all products and parts to be free of defects in material and workmanship when properly installed and operated. Defects arising from damage in shipment, misuse, negligence or faulty installation are not covered by this warranty. Written notice of any defect must be given to the Company and any defective part or product must be returned to the Company's plant at Buyer's expense. The exclusive remedy for defects is the repair or replacement of products or parts which, upon inspection by the Company, are found to be defective. Merchandise not of the Company's manufacture supplied in piece, or in component assemblies, is not covered by the above warranty of the original manufacturer and the Company will give the Buyer the benefit of any such adjustment as it can make with the supplier. Lobee Pump & Machinery Company will in no event be liable for incidental or consequential damages of any kind whatsoever.