

# SURFACE PUMPS

## RESIDENTIAL & LIGHT COMMERCIAL





## RESIDENTIAL & LIGHT COMMERCIAL SURFACE PUMPS

<b>Jet Pumps.....</b>	<b>2</b>
Shallow Well VersaJet .....	3
SWJ (Cyclone) Series.....	5
Convertible VersaJet.....	6
Convertible Pro (RM2) Series .....	10
Convertible C Series.....	12
Air Charger Kit.....	14
Injectors & Pressure Switches.....	15
Pressure Tanks.....	16
<b>Self-Priming Pumps .....</b>	<b>18</b>
Turf Boss .....	19
FBSE Series .....	22
<b>Booster Pumps .....</b>	<b>24</b>
MH Series .....	25
BT4 Series .....	30
BT4 Series 56C Pump Ends .....	36
<b>Transfer Pumps.....</b>	<b>37</b>
DDS Series.....	38
FCE Series.....	40
S Series .....	42
A Series.....	44
JCM Series.....	46

For the most up-to-date product information, visit [franklinwater.com](http://franklinwater.com).

## JET PUMPS

Franklin's jet pumps can be configured for a variety of pressures and flow choices, and are ideal for supplying fresh water to homes, cabins, farms, or practically anywhere that has a suction lift of 100 feet or less. In addition, the material options range from cast iron to stainless steel, making the pumps a contractor's choice for any job.

### PRODUCT FAMILY

- Shallow Well VersaJet & VersaJet Pro
- SWJ Series
- Convertible VersaJet & VersaJet Pro
- Convertible Pro (RM2) Series
- C Series
- Jet Pump Accessories

### APPLICATIONS

- Fresh Water Supply (depths up to 100')

### FAMILY COMPARISON CHART

Model	Performance	20	40	60	80	100	120
SW VersaJet	Shut-off PSI	86					
	Max. Lift	25					
VersaJet Pro	Shut-off PSI	73					
	Max. Lift	25					
SWJ (Cyclone) Series	Shut-off PSI	68					
	Max. Lift	25					
Conv. VersaJet	Shut-off PSI	118					
	Max. Lift				90		
Conv. VersaJet Pro	Shut-off PSI	111					
	Max. Lift				90		
Pro (RM2) Series	Shut-off PSI	90					
	Max. Lift					100	
C Series	Shut-off PSI	90					
	Max. Lift					100	



## JET PUMPS - SHALLOW WELL VERSAJET

### FEATURES

- Revolutionary “Quick-Change” jet nozzle replacement system allows for easy customization of the pump; performance can be quickly changed from a high-pressure to high-flow setup without removing the plumbing or opening the case
- Impeller (with stainless steel insert), diffuser, jet nozzle, and venturi all molded with Modified PPO, a material that increases efficiency and hydraulic performance
- Heavy-duty cast iron case ensures optimum durability and long life
- Floating stainless steel eye seal for maximum performance and efficiency
- Powered by high quality, industry proven, UL778 approved, indoor/outdoor square-flange motors; three-phase inverter duty rated
- Pressure switch installed and set at 30/50 psi
- Built-in drain plug for easy winterizing and servicing
- Handles water temperatures up to 120 °F/49 °C and shut-off pressures up to 90 psi



### ORDERING INFORMATION

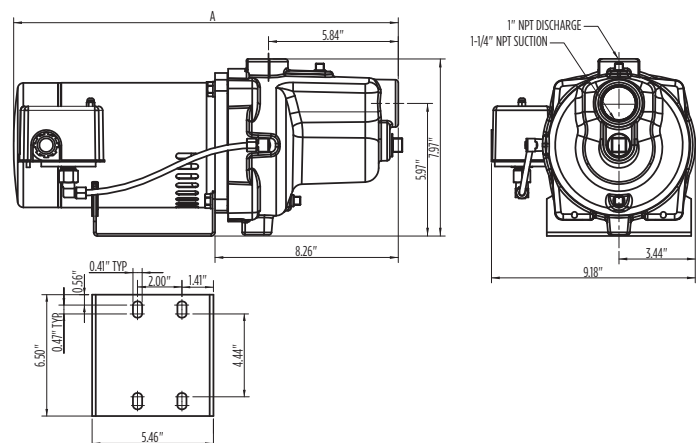
Model	HP	Phase	Dis. x Suc. (FNPT)	Voltage	Pump Unit	
					Order No.	Wt. (lbs)
FVJ05CI	1/2	1	1" x 1-1/4"	115/230	91180005	31
FVJ07CI	3/4				91180007	34
FVJ1CI	1				91180010	51
FVJ15CI	1-1/2				91180015	56
FVJ05CI-P	1/2	3		208/230/460	91185005	34
FVJ07CI-P	3/4				91185007	51
FVJ1CI-P	1				91185010	56
FVJ15CI-P	1-1/2					

### DIMENSIONS

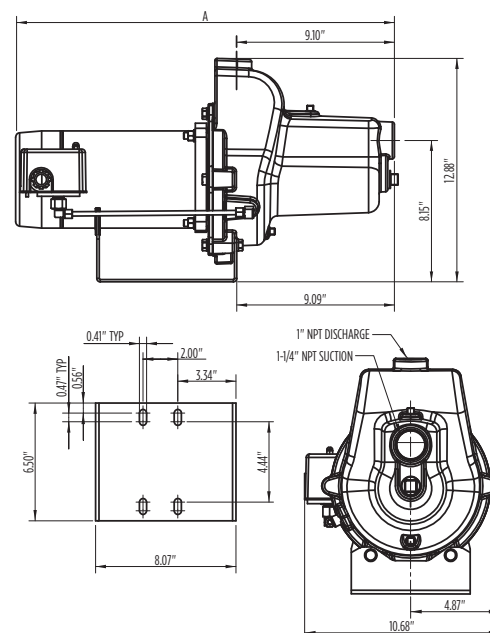
Model	HP	A
FVJ05CI	1/2	17.25"
FVJ07CI	3/4	18.00"
FVJ1CI	1	21.78"
FVJ15CI	1-1/2	22.66"
FVJ05CI-P	1/2	18.00"
FVJ07CI-P	3/4	21.78"
FVJ1CI-P	1	22.66"

NOTE: Dimensions will vary according to motor manufacturer

#### 1/2 AND 3/4 HP VERSAJET



#### 1 AND 1.5 HP VERSAJET



## JET PUMPS - SHALLOW WELL VERSAJET

### PERFORMANCE

1" Dis. x 1-1/4" Suc.			Discharge Pressure (PSI)						Shut-off Pressure (PSI)
			10	20	30	40	50	60	
Model	Nozzle	Total Suction Lift (ft)	Gallons Per Minute (GPM)						
FVJ05CI	Nozzle B (Standard)	5	10.8	10.5	10.1	8.5	4.9	2.1	70
		10	9.4	9.1	8.7	7.5	4.1	1.6	
		15	8.0	7.7	7.4	6.5	3.4	1.1	
		20	6.2	6.0	5.7	5.3	2.6	0.5	
		25	4.4	4.3	4.1	4.0	1.8	-	
	Nozzle C (High Pressure)	5	9.8	8.9	8.3	7.6	6.3	4.0	86
		10	8.3	7.5	7.1	6.6	5.7	3.5	
		15	6.8	6.2	5.9	5.7	5.1	3.0	
		20	5.3	5.0	4.8	4.6	4.3	2.6	
		25	3.8	3.8	3.7	3.6	3.5	2.2	
	Nozzle A (High Flow)	5	12.8	12.5	12.1	5.2	-	-	47
		10	11.4	11.1	10.8	3.6	-	-	
		15	10.0	9.8	9.6	1.9	-	-	
		20	8.0	7.7	6.8	1.0	-	-	
		25	6.0	5.7	4.1	-	-	-	
FVJ07CI	Nozzle C (Standard)	5	16.3	15.6	15.1	14.1	9.0	3.8	70
		10	14.2	13.6	13.1	12.5	7.8	2.9	
		15	12.1	11.6	11.2	10.8	6.5	2.0	
		20	9.5	9.1	8.9	8.7	5.0	1.0	
		25	7.0	6.7	6.7	6.6	3.5	-	
	Nozzle D (High Pressure)	5	15.8	15.2	14.7	14.1	9.6	4.8	73
		10	13.9	13.2	12.8	12.4	8.5	3.9	
		15	11.9	11.1	10.8	10.6	7.5	3.0	
		20	9.2	8.8	8.6	8.5	6.2	1.8	
		25	6.5	6.5	6.4	6.4	4.8	0.6	
	Nozzle A (High Flow)	5	18.9	18.7	18.4	11.6	-	-	47
		10	16.8	16.6	16.3	8.0	-	-	
		15	14.8	14.5	14.2	4.4	-	-	
		20	11.8	11.6	11.2	2.2	-	-	
		25	8.8	8.7	8.1	-	-	-	
FVJ1CI	Nozzle B (Standard)	5	21.5	21.0	20.7	20.4	12.8	3.9	64
		10	19.2	18.8	18.5	18.2	11.3	2.0	
		15	16.9	16.6	16.3	16.0	9.7	-	
		20	13.6	13.4	13.2	13.0	7.4	-	
		25	10.4	10.3	10.1	10.0	5.0	-	
	Nozzle C (High Pressure)	5	20.4	19.8	19.4	19.1	14.6	7.7	71
		10	18.1	17.6	17.3	17.1	13.6	6.5	
		15	15.9	15.4	15.2	15.0	12.6	5.2	
		20	12.7	12.4	12.2	12.1	10.8	3.3	
		25	9.5	9.3	9.2	9.1	9.0	1.4	
	Nozzle A (High Flow)	5	23.3	23.0	22.7	20.2	7.6	-	54
		10	20.7	20.3	20.0	17.4	3.8	-	
		15	18.1	17.7	17.3	14.6	-	-	
		20	14.8	14.5	14.2	10.8	-	-	
		25	11.5	11.3	11.1	7.0	-	-	
FVJ15CI	Nozzle B (Standard)	5	29.0	28.6	28.2	27.8	24.0	11.6	66
		10	25.5	25.0	24.8	24.5	21.2	7.7	
		15	21.9	21.5	21.3	21.1	18.5	3.8	
		20	17.6	17.2	16.9	16.7	13.8	1.9	
		25	13.2	12.9	12.6	12.3	9.2	-	
	Nozzle C (High Pressure)	5	28.7	28.2	27.9	27.6	26.8	15.5	72
		10	25.3	24.8	24.4	24.0	23.4	13.3	
		15	21.9	21.4	20.9	20.5	20.1	11.2	
		20	17.4	17.1	16.8	16.6	16.3	7.0	
		25	13.0	12.9	12.7	12.6	12.5	2.8	
	Nozzle A (High Flow)	5	30.3	29.9	29.5	29.2	19.5	-	59
		10	26.9	26.6	26.2	25.9	15.9	-	
		15	23.6	23.3	22.9	22.6	12.4	-	
		20	19.0	18.8	18.5	17.9	6.2	-	
		25	14.5	14.3	14.1	13.2	-	-	



## JET PUMPS - SWJ (CYCLONE) SERIES

### FEATURES

- Non-corrosive thermoplastic construction
- Replaceable inline nozzle design for maximum hydraulic efficiency and ease of service
- Self-cleaning, anti-clogging injector screen
- Thermoplastic impeller and diffuser ensure increased hydraulic performance
- Floating stainless steel eye seal for maximum performance and efficiency
- Square-flange mounting provides easy serviceability without disturbing the plumbing
- Built-in drain plug for easy winterizing and servicing
- Mechanical shaft seal allows positive protection against leaking
- Pressure switch is installed and set at 30/50 psi
- Handles water temperatures up to 120 °F/49 °C and working pressure up to 75 psi



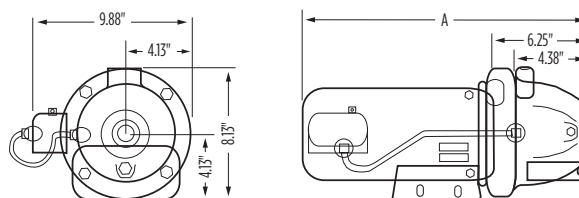
### ORDERING INFORMATION

Model	HP	Dis. x Suc. (FNPT)	Voltage	Pump Unit	
				Order No.	Wt. (lbs)
FSWJ05P	1/2	1" x 1-1/4"	115/230	91090005	23
FSWJ07P	3/4			91090007	31
FSWJ10P	1			91093010	35

### DIMENSIONS

Model	HP	A
FSWJ05P	1/2	17.63"
FSWJ07P	3/4	18.25"
FSWJ10P	1	16.90"

NOTE: Dimensions will vary according to motor manufacturer



### PERFORMANCE

Model	HP	Total Suction Lift (ft)	Discharge Pressure (PSI)								Shut-off Pressure (PSI)
			30	35	40	45	50	55	60	65	
			Gallons Per Minute (GPM)								
FSWJ05P	1/2	5	12.0	10.7	9.1	7.2	4.9	2.8	0.9	-	62
		10	-	10.0	8.4	6.3	3.9	1.9	-	-	60
		15	-	-	7.7	5.3	3.0	0.9	-	-	57
		20	-	-	6.4	4.3	2.2	0.2	-	-	55
		25	-	-	5.0	3.3	1.4	-	-	-	53
FSWJ07P	3/4	5	-	16.0	14.4	12.6	10.6	8.3	5.0	1.8	68
		10	-	-	13.5	11.8	9.7	6.9	3.6	0.2	65
		15	-	-	-	11.0	8.8	5.4	2.2	-	63
		20	-	-	-	9.0	7.2	3.9	0.8	-	60
		25	-	-	-	-	5.6	2.3	-	-	58
FSWJ10P	1	15	13.7	13.5	13.0	12.0	10.0	7.5	4.5	2.0	68
		25	7.8	7.6	7.4	7.2	7.0	4.5	1.6	-	63.6

## JET PUMPS - CONVERTIBLE VERSAJET

### FEATURES

- Heavy-duty cast iron case ensures optimum durability and long life
- Modular suction flange system to retrofit current installations without disturbing the existing plumbing
- Thermoplastic impeller and diffuser precision molded for high efficiency and dependability
- Phenolic/Ceramic mechanical shaft seal ensures leakproof fit and maximum pressure handling capability
- Adjustable pressure switch is factory set at 30/50 psi
- Powered by high quality, industry proven, UL778 approved, indoor/outdoor square-flange motors
- Built-in drain plug for easy winterization and servicing



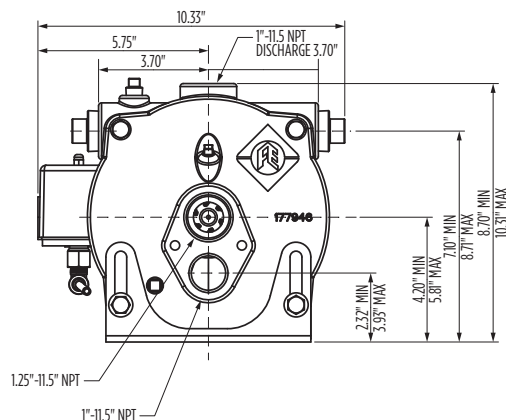
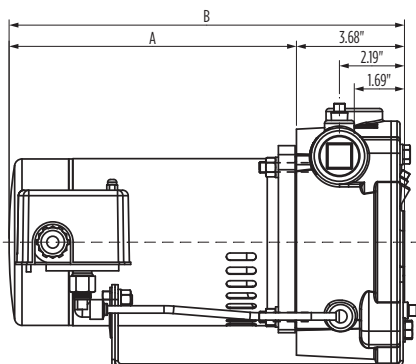
### ORDERING INFORMATION

Model	HP	Dis. x Suc. (FNPT)	Voltage	Shallow-Well Kits			Deep-Well Kits		
				Order No.	Incl. Injector	Wt. (lbs)	Order No.	Incl. Injector	Wt. (lbs)
FCVJ05CI	1/2	1" x 1-1/4"	115/230	96130005SW	SW2	48	96130005DW	DW5	49
FCVJ07CI	3/4			96130007SW	SW6	51	96130007DW	DW1	52
FCVJ10CI	1			96130010SW	SW5	54	96130010DW	DW4	55
FCVJ15CI	1-1/2			96130015SW	SW5	58	96130015DW	DW2	59

NOTE: Deep-well installations require a 4" inside well diameter and control valve 96150951

### DIMENSIONS

Model	HP	A	B
FCVJ05CI	1/2	9.63"	13.31"
FCVJ07CI	3/4	10.38"	14.06"
FCVJ10CI	1	11.00"	13.68"
FCVJ15CI	1-1/2	11.88"	15.56"



NOTE: Dimensional illustration shown with K1-S flange installed



# JET PUMPS - CONVERTIBLE VERSAJET

## SHALLOW-WELL PERFORMANCE

CVJ Series				Discharge Pressure (PSI)						Shut-off Pressure (PSI)
Model	HP	Injector Kit	Total Suction Lift (ft)	30	40	50	60	70	80	
				Gallons Per Minute (GPM)						
FCVJ05CI	1/2	SW1	5	11.5	7.0	3.9	-	-	-	61
			10	10.2	6.4	3.2	-	-	-	59
			15	9.1	5.8	2.4	-	-	-	57
			20	8.0	5.1	1.7	-	-	-	55
			25	6.5	4.4	0.8	-	-	-	53
		SW2	5	10.6	6.6	4.6	2.4	-	-	71
			10	9.3	6.2	4.1	1.9	-	-	69
			15	8.2	5.7	3.7	1.4	-	-	67
			20	6.8	5.2	3.1	1.0	-	-	65
			25	5.2	4.8	2.6	0.6	-	-	63
		SW3	5	8.0	5.8	4.6	3.2	1.9	0.8	88
			10	6.9	5.5	4.3	2.9	1.7	0.6	86
			15	5.9	5.2	4.0	2.7	1.4	-	84
			20	-	4.7	3.6	2.4	1.2	-	82
			25	-	3.7	3.3	2.1	1.0	-	80
			-	-	-	-	-	-	-	-
FCVJ07CI	3/4	SW5	5	-	-	-	-	-	-	-
			10	16.7	14.0	8.2	2.8	-	-	65
			15	-	12.7	6.8	1.6	-	-	63
			20	-	11.3	5.7	-	-	-	61
			25	-	8.8	4.6	-	-	-	59
		SW6	5	11.8	11.8	8.6	5.3	2.9	0.8	85
			10	-	10.2	7.8	4.7	2.5	-	83
			15	-	8.7	7.0	4.2	2.2	-	81
			20	-	7.1	6.2	3.8	1.7	-	79
			25	-	-	5.5	3.4	1.2	-	77
		SW7	5	-	8.2	7.9	5.7	3.8	2.4	101
			10	-	7.1	6.9	5.3	3.6	2.2	99
			15	-	-	6.1	4.8	3.3	1.9	97
			20	-	-	5.1	4.4	3.1	1.7	95
			25	-	-	4.1	4.0	2.7	1.4	93
		FCVJ10CI	1	SW4	5	21.4	18.6	11.8	5.2	-
10	18.8				17.1	10.4	3.8	-	-	66
15	16.2				15.4	8.9	2.4	-	-	64
20	13.4				13.4	7.5	0.8	-	-	61
25	10.5				10.5	6.2	-	-	-	59
SW5	5			18.7	18.5	13.0	7.7	2.8	-	76
	10			-	16.4	11.8	6.6	1.6	-	73
	15			-	14.2	10.7	5.4	-	-	71
	20			-	11.6	9.5	4.5	-	-	69
	25			-	9.0	8.4	3.6	-	-	67
SW6	5			-	11.7	11.1	7.8	5.2	3.1	98
	10			-	10.3	10.2	7.2	4.8	2.8	96
	15			-	-	8.8	6.7	4.4	2.5	94
	20			-	-	7.3	6.2	4.0	2.1	92
	25			-	-	5.7	5.6	3.6	1.7	90
FCVJ15CI	1-1/2			SW4	5	-	21.3	20.5	13.5	6.6
		10	-		18.7	18.3	11.8	5.2	-	78
		15	-		16.0	15.9	10.1	3.8	-	76
		20	-		13.3	13.3	8.6	2.0	-	73
		25	-		10.5	10.5	-	-	-	71
		SW5	5	-	-	18.3	15.2	9.5	4.4	89
			10	-	-	16.1	13.8	8.5	3.4	87
			15	-	-	13.9	12.4	7.4	2.3	85
			20	-	-	11.4	10.9	6.0	1.1	82
			25	-	-	8.8	8.8	4.7	-	80
		SW6	5	-	-	11.4	11.3	9.3	6.7	118
			10	-	-	-	10.1	8.6	6.2	116
			15	-	-	-	8.7	8.0	5.7	113
			20	-	-	-	7.2	7.1	5.3	111
			25	-	-	-	-	5.7	4.8	108

NOTES: Pressure switch preset to 30-50 psi; maximum pump working pressure is 150 psi

## JET PUMPS - CONVERTIBLE VERSAJET

### DEEP-WELL PERFORMANCE

CVJ Series				Discharge Pressure (PSI)						Shut-off Pressure (PSI)
Model	HP	Injector Kit	Total Suction Lift (ft)	30	35	40	45	50	55	
				Gallons Per Minute (GPM)						
FCVJ05CI	1/2	DW2	30	8.0	4.4	1.5	-	-	-	56
			40	6.3	3.0	-	-	-	-	51
			50	4.6	1.6	-	-	-	-	46
			60	2.9	-	-	-	-	-	41
			70	1.6	-	-	-	-	-	36
		DW5	30	6.0	4.5	3.0	2.0	1.2	-	87
			40	5.3	3.8	2.5	1.6	0.8	-	81
			50	4.4	3.1	2.0	1.1	-	-	76
			60	3.6	2.4	1.5	0.7	-	-	70
			70	3.0	1.9	1.0	-	-	-	64
			80	2.3	1.3	0.6	-	-	-	58
			90	1.7	0.8	-	-	-	-	51
FCVJ07CI	3/4	DW2	30	11.1	7.2	4.0	1.3	-	-	65
			40	9.3	5.7	2.7	-	-	-	60
			50	7.4	4.2	1.5	-	-	-	55
			60	5.6	2.7	-	-	-	-	51
			70	4.1	1.3	-	-	-	-	45
			80	2.7	-	-	-	-	-	40
			90	1.2	-	-	-	-	-	35
		DW1	30	-	6.6	5.0	3.4	2.2	1.3	97
			40	6.6	6.0	4.2	2.8	1.7	0.9	92
			50	6.6	5.1	3.5	2.3	1.3	-	86
			60	5.9	4.1	2.7	1.7	0.8	-	81
			70	5.0	3.4	2.2	1.2	-	-	76
FCVJ10CI	1	DW2	30	12.2	9.9	6.3	3.5	0.8	-	74
			40	11.4	8.2	4.9	2.2	-	-	69
			50	9.7	6.5	3.5	0.8	-	-	64
			60	7.9	4.8	2.1	-	-	-	59
			70	6.1	3.4	0.8	-	-	-	53
			80	4.3	2.0	-	-	-	-	48
			90	2.5	0.6	-	-	-	-	43
		DW4	30	-	7.9	5.9	4.1	2.7	1.4	94
			40	7.9	6.9	5.0	3.4	2.1	0.9	88
			50	7.5	5.8	4.1	2.6	1.4	-	83
			60	6.6	4.7	3.2	1.9	0.8	-	77
			70	5.5	3.9	2.5	1.3	-	-	71
FCVJ15CI	1-1/2	DW3	30	-	16.5	9.8	3.5	-	-	67
			40	-	13.0	6.9	1.0	-	-	62
			50	-	9.4	4.1	-	-	-	57
			60	-	5.9	1.2	-	-	-	52
		DW2	30	-	12.2	10.3	7.0	4.1	1.5	87
			40	-	11.4	8.6	5.5	2.8	-	82
			50	-	9.7	6.9	4.0	1.4	-	76
			60	-	8.2	5.2	2.5	-	-	71
			70	-	6.6	3.8	1.3	-	-	66
			80	-	4.9	2.5	-	-	-	60
			90	-	3.3	1.1	-	-	-	55
		DW4	30	-	7.9	7.8	6.3	4.8	3.3	111
			40	-	7.9	7.3	5.4	4.0	2.6	105
			50	-	7.8	6.3	4.6	3.2	2.0	99
			60	-	7.0	5.2	3.7	2.4	1.3	93
			70	-	6.0	4.4	3.0	1.8	0.7	87
			80	-	5.1	3.6	2.3	1.2	-	82
			90	-	4.1	2.8	1.6	0.6	-	76

NOTES: Pressure switch preset to 30-50 psi; maximum pump working pressure is 150 psi

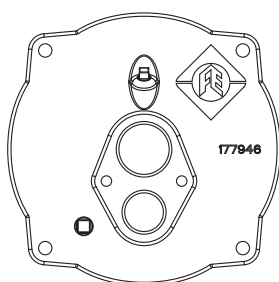
## JET PUMPS - CONVERTIBLE VERSAJET

### CUSTOM ORDERING INFORMATION

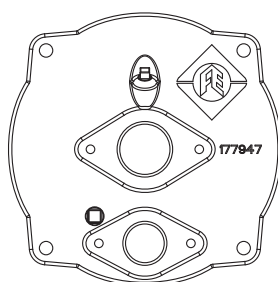
**STEP 1:** Select a pump and motor size (a small amount of distributor or contractor assembly required).

Model	HP	Dis. x Suc. (FNPT)	Voltage	Pump (w/o Flange Kit)	
				Order No.	Wt. (lbs)
FCVJ05CI	1/2	1" x 1-1/4"	115/230	96130005	36
FCVJ07CI	3/4			96130007	39
FCVJ10CI	1			96130010	42
FCVJ15CI	1-1/2			96130015	46

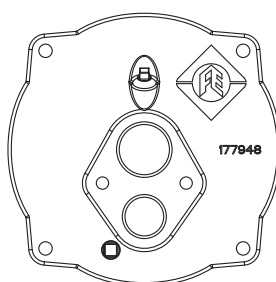
**STEP 2:** (skip for new installations): Select the suction flange kit (modular face plate) needed for replacement (if the injector assembly remains on the pipe and only the pump and motor are being replaced).



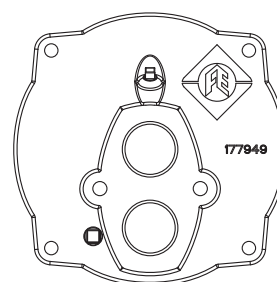
K1-S



K2-G



K3-F



K4-M

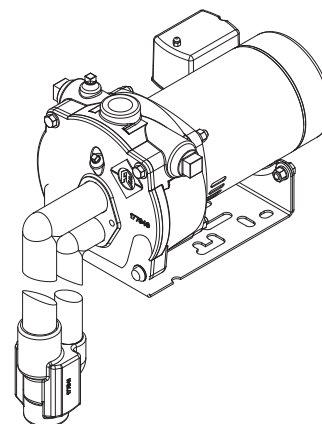
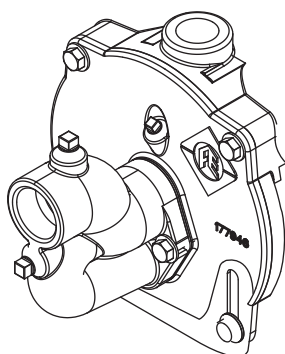
NOTE: Contact Franklin Electric customer relations for competitive replacement identification.

**STEP 3:** (optional for replacement installations): Select the injector kit based on performance requirements (K1-S face plate flange and hardware included with all injector kits). A control valve is required for deep-well installations.

Shallow-Well Injector Kits		
Model	Order No.	Wt. (lbs)
SW1	96151001	12
SW2	96151002	
SW3	96151003	
SW4	96151004	
SW5	96151005	
SW6	96151006	
SW7	96151007	

Deep-Well Injector Kits*		
Model	Order No.	Wt. (lbs)
DW1	96152001	13
DW2	96152002	
DW3	96152003	
DW4	96152004	
DW5	96152005	

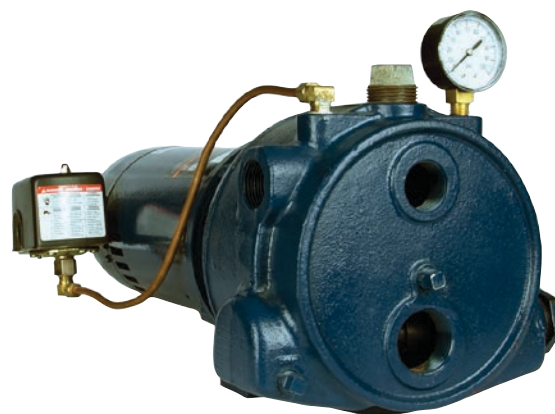
\* Deep-well installations require a 4" inside well diameter and control valve 96150951



## JET PUMPS - CONVERTIBLE PRO (RM2) SERIES

### FEATURES

- Heavy-duty cast iron case and stainless steel impeller ensure optimum durability
- Thermoplastic diffuser is molded for efficiency and dependability
- Screw-in injector for easy conversion from shallow- to deep-well installation
- Shaft coupling designed for easy removal of motor
- Mechanical shaft seal ensures leakproof fit and continuous water lubrication
- High service factor 56C-frame motor for maximum performance
- Hardware kit allows for versatility of installation and includes pressure gauge, plugs, shallow-well injector, and bypass plug
- Adjustable pressure switch installed and set at 30/50 psi
- Maximum temperature of 140 °F/60 °C



### ORDERING INFORMATION

Model	HP	Phase	Dis. x Suc. (FNPT)	Voltage	Pump Unit		Shallow-Well Injector			Deep-Well Injector		
					Order No.	Wt. (lbs)	Total Suction Lift (ft)	Order No.	Wt. (lbs)	Total Suction Lift (ft)*	Order No.**	Wt. (lbs)
FP05CI-C	1/2	1	1" x 1-1/4"	115/230	91140005	48	5-25	18127803R	1	30-60	147E1120	7
FP07CI-C	3/4	3			91140007	51	5-25	18127902R	1	50-100	147E0915	7
					9112037			18127902R		30-60	147E1023	
FP1CI-C	1	1			91140010	53	5-25	18128009R	1	30-60	147E1125	7
		3			9112011			18128009R		50-100	147E1120	

NOTES: Order deep-well injector separately; minimum inside well diameter requirement of 4" for deep-well injectors; parallel pipe injectors are required for deep well installations

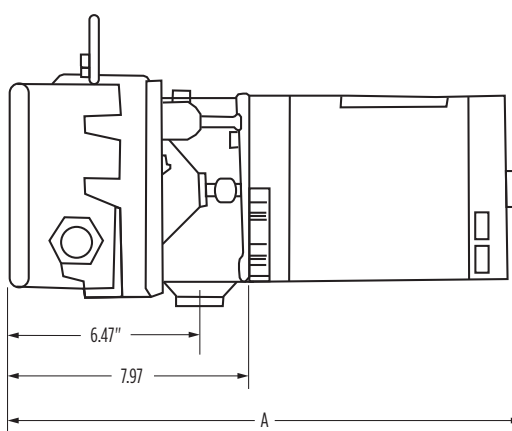
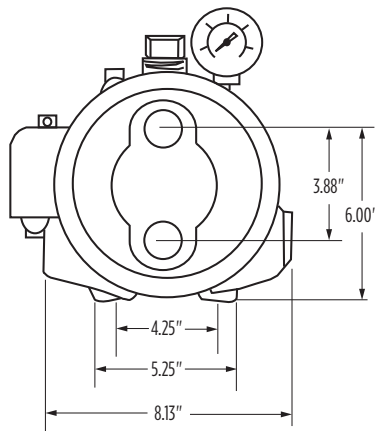
\* 3-phase for model numbers FP07CI-C and FP1CI-C apply for both 30-60 ft and 50-100 ft total suction lift for the deep well injector

\*\* 3-phase for model numbers FP07CI-C and FP1CI-C apply for both 30-60 ft and 50-100 ft order numbers for the deep well injector

### DIMENSIONS

Model	HP	A
FP05CI-C	1/2	18.65"
FP07CI-C	3/4	19.15"
FP1CI-C	1	19.65"

NOTE: Dimensions will vary according to motor manufacturer



## JET PUMPS - CONVERTIBLE PRO (RM2) SERIES

### SHALLOW-WELL PERFORMANCE

1" Dis. x 1-1/4" Suc.				Discharge Pressure (PSI)														Shut-off Pressure (PSI)
Model	HP	Injector Order No.	Total Suction Lift (ft)	30	35	40	45	50	55	60	65	70	75	80	85	90		
				Gallons Per Minute (GPM)														
FP05CI-C	1/2	18127803R	5	15.5	13.5	11.0	8.5	6.0	4.0	2.0	-	-	-	-	-	-	65	
			10	13.5	12.5	10.0	7.5	5.0	3.0	1.0	-	-	-	-	-	-	63	
			15	11.5	10.5	8.5	6.0	4.0	2.0	-	-	-	-	-	-	-	60	
			20	9.5	9.0	7.5	5.0	3.0	1.0	-	-	-	-	-	-	-	58	
			25	7.0	7.0	6.0	4.0	2.0	-	-	-	-	-	-	-	-	55	
FP07CI-C	3/4	18127902R	5	19.0	18.5	18.0	16.0	12.5	9.5	6.5	3.5	-	-	-	-	-	70	
			10	16.5	16.0	15.5	14.0	10.0	8.0	4.5	1.5	-	-	-	-	-	68	
			15	14.5	14.0	13.5	12.5	9.5	6.5	3.5	-	-	-	-	-	-	66	
			20	-	11.5	11.0	10.0	8.0	5.0	2.0	-	-	-	-	-	-	63	
			25	-	-	8.5	8.0	6.5	3.5	1.0	-	-	-	-	-	-	61	
FP1CI-C	1	18128009R	5	23.0	22.5	22.0	21.5	20.0	17.5	14.0	10.5	7.0	-	-	-	-	81	
			10	-	19.5	19.0	18.5	17.5	15.5	12.5	9.0	5.5	-	-	-	-	78	
			15	-	16.5	16.0	15.5	15.0	13.5	11.0	7.5	4.5	-	-	-	-	76	
			20	-	-	13.5	13.0	12.5	11.5	9.5	6.0	2.5	-	-	-	-	74	
			25	-	-	-	10.0	10.0	9.5	7.5	4.5	1.0	-	-	-	-	71	
FP1CI-C (High Head)	1	18127803R	5	-	-	-	-	-	-	11.0	10.0	7.5	5.5	3.5	1.5	-	90	
			10	-	-	-	-	-	-	10.0	8.5	6.5	4.5	2.5	-	-	88	
			15	-	-	-	-	-	-	9.0	7.5	5.5	3.5	1.5	-	-	84	
			20	-	-	-	-	-	-	8.0	6.0	4.0	2.0	-	-	-	81	
			25	-	-	-	-	-	-	7.0	5.0	3.0	1.0	-	-	-	78	

NOTES: Pressure switch pre-set 30-50 psi; the appropriate injector is included with the units; maximum pump working pressure is 150 psi; all the above discharge pressures were measured using 1.25" PVC suction pipe and 1.25" foot valve

### DEEP-WELL PERFORMANCE

1" Dis. x 1-1/4" Suc. 1" Drive Pipe				Discharge Pressure (PSI)									Shut-off Pressure (PSI)	Inj. Min. Operating Pressure	
Model	HP	Injector Order No.	Total Suction Lift (ft)	30	35	40	45	50	55	60	65	70			
				Gallons Per Minute (GPM)											
FP05CI-C	1/2	147E1120	30	9.0	7.0	5.5	4.0	2.5	1.5	-	-	-	65	18	
			40	7.5	6.0	4.0	3.0	1.5	-	-	-	-	59		
			50	6.0	4.5	3.0	2.0	1.0	-	-	-	-	56		
			60	5.0	3.5	2.0	1.0	-	-	-	-	-	52		
		147E0915	50	6.0	5.0	4.0	3.0	2.5	2.0	1.0	-	-	-	74	23
			60	5.0	4.0	3.5	2.5	2.0	1.0	-	-	-	-	70	
			70	4.0	3.5	2.5	2.0	1.5	-	-	-	-	-	65	
			80	3.5	3.0	2.0	1.5	1.0	-	-	-	-	-	61	
			90	3.0	2.0	1.5	1.0	-	-	-	-	-	-	57	
			100	2.5	1.5	1.0	-	-	-	-	-	-	-	52	
FP07CI-C	3/4	147E1023	30	15.5	13.5	11.0	8.5	6.5	4.0	2.0	-	-	66	18	
			40	13.5	11.5	9.0	7.0	4.5	2.4	-	-	-	61		
			50	11.0	9.5	7.0	5.0	3.0	-	-	-	-	57		
			60	9.0	7.5	5.0	3.0	1.0	-	-	-	-	53		
		147E1118	50	9.0	8.0	7.0	6.0	4.5	3.5	3.0	2.0	1.0	80	23	
			60	8.0	7.0	6.0	4.5	4.0	3.0	2.0	1.5	-	77		
			70	6.5	5.5	4.5	3.5	3.0	2.0	1.0	-	-	72		
			80	6.0	5.0	4.0	3.0	2.0	1.5	-	-	-	67		
			90	5.0	4.0	3.0	2.0	1.5	-	-	-	-	63		
			100	4.0	3.0	2.5	1.5	1.0	-	-	-	-	30		
FP1CI-C	1	147E1125	30	19.5	17.0	14.5	12.0	9.5	7.0	5.0	-	-	72	30	
			40	17.5	15.0	12.5	10.0	7.5	5.0	3.0	-	-	67		
			50	15.5	13.0	10.5	8.0	5.5	3.5	1.0	-	-	63		
			60	13.0	10.5	8.5	6.0	3.5	1.5	-	-	-	59		
		147E1120	50	-	11.0	9.5	8.0	6.5	5.0	4.0	3.0	2.0	82	36	
			60	-	10.0	8.0	7.0	5.5	4.0	3.0	2.0	1.0	78		
			70	-	8.0	7.0	6.0	4.5	3.0	2.0	1.0	-	73		
			80	-	7.0	6.0	4.5	3.5	2.0	1.5	-	-	70		
			90	-	6.0	5.0	3.5	2.5	1.5	-	-	-	65		
			100	-	5.0	4.0	3.0	1.5	-	-	-	-	61		

NOTES: Pressure switch pre-set 30-50 psi; maximum pump working pressure 150 psi; all above discharge pressures were measured using 1.25" PVC suction pipe and 1.25" foot valve and 1 drive pipe



## JET PUMPS - CONVERTIBLE C SERIES

### FEATURES

- Heavy-duty cast iron construction for long life
- Stainless steel impeller for high performance
- Thermoplastic diffuser is molded for efficiency and dependability
- Screw-in injector for easy conversion from shallow- to deep-well installation
- Stainless steel shaft on motor for direct mounting of impeller
- Mechanical shaft seal ensures leakproof fit and continuous lubrication
- Factory assembled as a shallow-well unit
- Hardware kit allows for versatility of installation and includes pressure gauge, pipe plug, shallow-well injector, and bypass plug
- Deep-well injector must be ordered separately
- Standard 30-50 psi adjustable pressure switch



### ORDERING INFORMATION

Model No.	HP	Suc. x Dis. (FNPT)	Voltage	Pump Unit		Deep-Well Injector		
				Order No.	Wt. (lbs)	Total Suction Lift (ft)	Order No.	Wt. (lbs)
FE05CI-C	1/2	1-1/4" x 1"	115/230	91060020	45	20-60	147E1018	7
						60-90	147E1117	
						90-120	147E1115	
FE07CI-C	3/4	1-1/4" x 1"	115/230	91060053	50	20-60	147E1124	
						50-90	147E1019	
						80-120	147E0914	

NOTE: Order deep-well injector separately; minimum inside well diameter requirement of 4" for deep-well injectors;

## JET PUMPS - CONVERTIBLE C SERIES

### SHALLOW-WELL PERFORMANCE

C Series				Discharge Pressure (PSI)						Shut-off Pressure (PSI)
Model No.	HP	Injector Order No.	Total Suction Lift (ft)	30	35	40	45	50	55	
				Gallons Per Minute (GPM)						
FE05CI-C	1/2	18170605R	5	10.2	8.9	6.6	4.8	3.3	1.8	61
			10	9.3	7.8	5.8	4.1	2.7	1.2	59
			15	8.4	6.9	5.0	3.5	2.0	0.6	57
			20	7.6	6.0	4.3	2.8	1.4	–	55
			25	6.6	5.3	3.6	2.2	0.8	–	53
FE07CI-C	3/4	18170704R	5	15.8	15.7	14.1	10.7	7.5	4.0	61
			10	15.0	14.9	12.8	9.2	6.0	2.5	59
			15	14.0	13.9	11.3	7.9	4.5	1.0	57
			20	12.5	12.4	9.6	6.4	3.0	–	54
			25	10.5	10.4	8.3	4.9	1.5	–	52

NOTE: The appropriate shallow-well injector is included; pressure switch preset to 30-50 psi; maximum pump working pressure is 150 psi

### DEEP-WELL PERFORMANCE

C Series				Discharge Pressure (PSI)					Shut-off Pressure (PSI)
Model No.	HP	Injector Order No.	Total Suction Lift (ft)	30	35	40	45	50	
				Gallons Per Minute (GPM)					
FE05CI-C	1/2	147E1018	20	10.5	8.5	7.0	6.0	4.5	61
			30	8.5	7.0	5.5	4.0	3.5	59
			40	7.0	5.5	4.5	3.5	2.5	57
			50	5.5	4.5	4.0	3.0	2.0	55
			60	4.5	3.5	3.0	2.0	1.0	53
		147E1117	60	5.0	4.0	3.5	3.0	2.5	70
			70	4.0	3.5	3.0	2.5	2.0	66
			80	3.5	3.0	2.5	2.0	1.5	61
			90	3.0	2.5	2.0	1.5	1.0	56
		147E1115	90	3.0	2.5	2.0	1.5	1.0	64
			100	2.5	2.0	1.5	1.0	0.5	60
			110	2.0	1.5	1.0	0.5	-	56
			120	1.5	1.0	0.5	-	-	52
FE07CI-C	3/4	147E1124	20	16	14.0	12.0	10.0	8.0	69
			30	14	12.0	10.0	8.0	6.0	64
			40	11.5	10.0	7.5	6.0	4.0	59
			50	10	8.0	6.0	4.0	2.0	55
			60	7.5	6.0	4.0	2.0	-	50
		147E1019	50	9.5	8.5	7.5	6.5	5.5	74
			60	8.0	7.0	6.0	5.0	4.0	70
			70	7.0	6.0	5.0	4.0	3.0	66
			80	6.0	5.0	4.0	3.0	2.0	61
			90	4.5	3.5	2.5	2.0	1.0	56
		147E0914	80	6.0	4.0	3.5	3.0	3.0	87
			90	4.0	3.5	3.5	3.0	2.5	83
			100	3.5	3.5	3.0	2.5	2.0	80
			110	3.5	3.0	2.5	2.0	2.0	76
			120	2.5	2.5	2.0	2.0	1.5	72

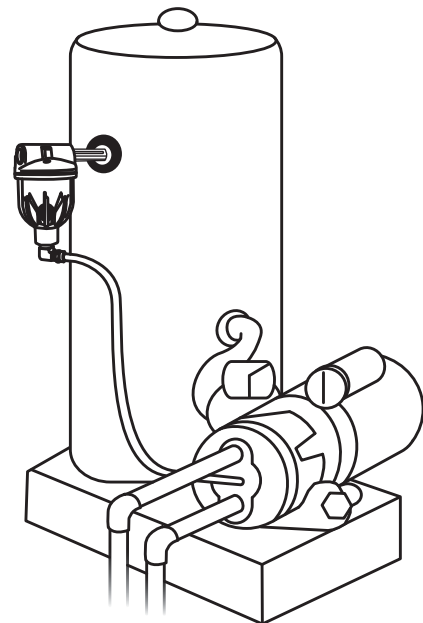
## JET PUMP ACCESSORIES - AIR CHARGER KIT

### FEATURES

- Specifically designed to prevent water-logging typically associated with a conventional galvanized pressure tank
- Automatically maintains a proper balance of air and water volume in the tank
- Eliminates short cycling, thus extending motor life and reducing power consumption
- Eliminates tank draining normally required with water-logged tanks
- Unit consists of air charger, reducer bushing, adapter nut, 1/4" polyethylene tubing, and male connector

### CHARACTERISTICS

Order No.	Wt. (lbs)
106594901	2



## JET PUMP ACCESSORIES - INJECTORS & PRESSURE SWITCHES

### SCREW-IN, SHALLOW-WELL INJECTORS

Model	Injector Code	Order No.	Wt. (lbs)
FP05CI-C, FP1CI-C	1024	18127803R	0.5
FP07CI-C	1027	18127902R	
FP1CI-C	1028	18128009R	

### EXTERNAL CONTROL VALVE

Description	Order No.	Wt. (lbs)
External Control Valve	96150951	2

### DEEP-WELL, 2-PIPE INJECTORS (4" WELLS)

Model	Total Suction Lift (ft)	Order No.	Wt. (lbs)
FP05CI-C	50-100	147E0915	7
FP07CI-C	30-60	147E1023	
FP07CI-C	50-100	147E1118	
FP05CI-C	30-60	147E1120	
FP1CI-C	50-100	147E1120	
FP1CI-C	30-60	147E1125	

Injector kit includes: Cast iron body, thermoplastic nozzle and venturi, and bronze foot valve

### INJECTOR KITS

Model	Order No.	Description
1/2 Injector Kit	305446946	Injector Kit for JPC-050-C
3/4 Injector Kit	305446947	Injector Kit for JPC-075-C/JPC-100-C

### PRESSURE GAUGES

Order No.	Pressure Reading (PSI)
9193-4018	0-100

### PRESSURE SWITCHES

Model	PSI Setting	Order No.	Wt. (lbs)
Global Series	20/40	PRSW2040	1
	30/50	PRSW3050	
	40/60	PRSW4060	
Furnas Pro Series	20/40	69ESIAZ2040	
	30/50	69ESIAZ3050	
	40/60	69ESIAZ4060	
Pressure Gauge (0-100 psi; 1/4" b.m.)		106306101	



## JET PUMP ACCESSORIES - PRESSURE TANKS

### FEATURES

- NSF/NSF Standard 61 approved assures safe, clean drinking water
- Blended butyl rubber diaphragm system isolates the air charge from the water chamber; reinforced in specific wear areas for longer life
- Heavy-duty, cold-rolled steel construction
- Leak-resistant, O-ring sealed air valve cap allows adjustment of air pre-charge
- Unique, patented dual water/air seal design offers superior leak protection
- Durable two-part paint finish is suitable for outdoor use and provides hundreds of hours of UV and salt spray protection in moderate climates\*

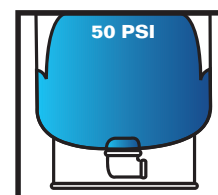
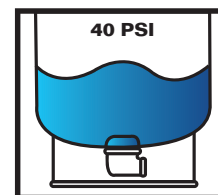
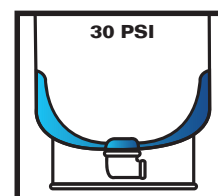


### PERFORMANCE

Model	Item No.	UPC	Gallons	Drawdown @ 30/50 psi (gal)	Fixtures	Type	System Connect
RL2	604452	0 10121 12335 9	2.1	0.7	-	Inline	3/4" MNPT
RL4	604453	0 10121 12336 6	4.8	1.5	-	Inline	3/4" MNPT
RL8	604454	0 10121 12337 3	8.5	2.6	-	Inline	3/4" MNPT
RL6H	604529	0 10121 12126 3	5.3	1.6	1	Horizontal	3/4" MNPT
RL14H	604493	0 10121 12124 9	14.0	4.3	4	Horizontal	3/4" MNPT
RL16*	604587	0 10121 15197 0	15.9	4.9	5	Vertical	1" NPT
RL20H*	604581	0 10121 15158 1	21.1	6.2	7	Horizontal	1" NPT
RL21*	604582	0 10121 15159 8	21.1	6.5	7	Vertical	1" NPT
RL34*	604583	0 10121 15160 4	34.3	10.6	11	Vertical	1" NPT
RL40*	604584	0 10121 15161 1	40.0	12.4	13	Vertical	1" NPT
RL81	604541	0 10121 12365 6	81.0	27.6	27	Vertical	1-1/4" NPT
RL119	604531	0 10121 12360 1	119.0	40.6	39	Vertical	1-1/4" NPT

### SIZING

Model	Length	Width	Height	Weight (lbs)	Carton Cubes (cu ft)	Pallet Quantity	Quantity per Layer	Layers per Pallet
RL2	8.33"	8.33"	12.75"	5.0	0.51	60	20	3
RL4	11.12"	11.12"	15"	10.0	1.07	36	12	3
RL8	13.5"	19.5"	13.5"	15.4	2.06	18	6	3
RL6H	10.5"	18"	12.25"	13.3	1.34	18	6	3
RL14H	15.75"	21.25"	17.25"	27.0	3.34	8	4	2
RL16	15.5"	15.75"	25.13"	24.9	3.55	6	6	1
RL20H	15.75"	29"	17.25"	35.8	4.56	6	3	2
RL21	15.75"	15.5"	32.75"	35.8	4.63	6	6	1
RL34	17.25"	17.5"	43.25"	58.8	7.56	4	4	1
RL40	21.5"	21.25"	37.25"	76.3	9.85	2	2	1
RL81	21.5"	21.5"	60"	101.0	16.05	2	2	1
RL119	26.75"	26.75"	61.5"	160.0	25.47	1	1	1





## JET PUMP ACCESSORIES - PRESSURE TANKS

### TANK REPLACEMENT GUIDE

Flexcon				Amtrol				Other				
Franklin	Challenger	Well-Rite	H2 Pro	Well-X-Trol	Wel-Flow	Champion	How 2 Tank	Century	State Perma Tank	WellMate	Pro-Source	Std. Galv. (gal)
RL2	PRJ6	PJR6	PJR6	WX-101	WF-6	CM1001	HT20	V6P	PIL-2	WM8L	N/A	5
RL6H	PJR20S	PJR20S	PJR20S	WX105	N/A	N/A	N/A	N/A	N/A	WM25L	PS15-502	18
RL20	PC66	WR60	WWT-20	WX-202	WF60	CM4202	HT20	V60	PAD-20	WM6	PS42T-T02	42
RL33	PC122	WR120	WWT-35	WX-203	WF1100	CM8003	HT32	V100	WM9	WM9	PS82T-T05	82
RL44	PC144	WR140	WWT-45	WX-250	WF140	CM10050	HT44	V140	WM14	WM14	PS120-T50	82
RL62	PC211	WR200	WWT-65	WX-251	WF200	CM12051	HT44	V200	PAD-52	WM20	PS200-T51	220
RL85	PC266	WR260	WWT-85	WX-302	WF260	CM17002	HT86	V250	PAD-86	WM25L	PS220-T52	220
RL119	PC366	WR360	WWT-120	WX-350	WF360	CM22050	HT119	V350	PAD-119	WM35	N/A	315

NOTE: Add "S" for horizontal models with pump stand

### DRAW-DOWN FACTORS

Max. System Pressure (Cut-Out)		Min. System Pressure (Cut-In) - PSIG (bar)																		
PSIG	BAR	20 (1.38)	25 (1.72)	30 (2.06)	35 (2.41)	40 (2.76)	45 (3.10)	50 (3.45)	55 (3.80)	60 (4.16)	65 (4.48)	70 (4.83)	75 (5.17)	80 (5.51)	85 (5.86)	90 (6.20)	95 (6.55)	100 (6.89)	105 (7.24)	110 (7.58)
30	2.06	0.21																		
35	2.41	0.28	0.19																	
40	2.76	0.34	0.26	0.17																
45	3.10	0.39	0.32	0.24	0.16															
50	3.45	0.44	0.37	0.30	0.22	0.15														
55	3.80	0.47	0.41	0.34	0.28	0.21	0.14													
60	4.16	0.50	0.44	0.38	0.32	0.26	0.19	0.13												
65	4.48	0.53	0.48	0.42	0.36	0.30	0.24	0.18	0.12											
70	4.83	0.56	0.50	0.45	0.40	0.34	0.29	0.23	0.17	0.11										
75	5.17		0.53	0.48	0.43	0.38	0.32	0.27	0.22	0.16	0.11									
80	5.51			0.50	0.46	0.41	0.36	0.31	0.26	0.21	0.15	0.10								
85	5.86				0.48	0.43	0.39	0.34	0.29	0.24	0.20	0.15	0.10							
90	6.20					0.46	0.42	0.37	0.32	0.28	0.23	0.19	0.14	0.09						
95	6.55						0.44	0.40	0.35	0.31	0.27	0.22	0.18	0.13	0.09					
100	6.89							0.42	0.38	0.34	0.30	0.26	0.21	0.17	0.13	0.09				
105	7.24								0.41	0.37	0.33	0.29	0.25	0.20	0.16	0.13	0.08			
110	7.58									0.39	0.35	0.31	0.27	0.24	0.20	0.16	0.12	0.08		
115	7.92										0.38	0.34	0.30	0.26	0.23	0.19	0.15	0.11	0.08	
120	8.27											0.36	0.33	0.29	0.25	0.22	0.18	0.15	0.11	0.07
125	8.62												0.35	0.32	0.28	0.25	0.21	0.18	0.14	0.11

NOTE: To convert values to kPa, multiply BAR by 100

## SELF-PRIMING PUMPS

Irrigation and sprinkler pumps are designed for supplying large volumes of water from a lake or pond supply to an irrigation system. They can also be in high-volume applications transferring water between locations. Franklin's quality selection features shut-off pressures up to 130 feet and flow rates exceeding 90 gallons per minute that will please any contractor's job.

### PRODUCT FAMILY

- Turf Boss
- FBSE Series

### APPLICATIONS

- Agricultural Irrigation
- Lawn Sprinkling
- Industrial Dewatering
- HVAC Systems (Heat Pump and Air Conditioning)
- Water Transfer and Supply
- Freshwater Pumping
- Commercial/Industrial Liquid Transfer
- Dewatering
- Flood Irrigation
- Livestock Watering
- Septic Tank Installations (in areas with drainage problems)



### FAMILY COMPARISON CHART

Model	Performance	10	20	30	40	50	60
Turf Boss	Shut-off PSI						56
	Max. Lift		25				
FBSE Series	Shut-off PSI			30			
	Max. Lift		25				

## SELF-PRIMING IRRIGATION PUMPS - TURF BOSS

### FEATURES

- Self-priming design with the ability to lift water from a depth of 25'
- Easily serviced through a back pull-out design, which leaves all the plumbing and both the pump's base and case undisturbed in their original location
- Rugged cast iron case ensures optimum durability, quiet operation, and long life
- Modified PPO hydraulic components and floating stainless steel impeller eye-seal ensures dependable and efficient operation
- 304 stainless steel impeller available for maximum durability
- 1- and 3-phase motors available with dual voltage on smaller horsepower models; three-phase inverter duty rated
- Mechanical shaft seal allows positive protection against leaking
- Integral 1" NPT priming plug and built-in drain plug for easy winterizing and servicing
- Shut-off pressures to 130 feet, flow rates to 70 gpm, and water temperatures to 120 °F



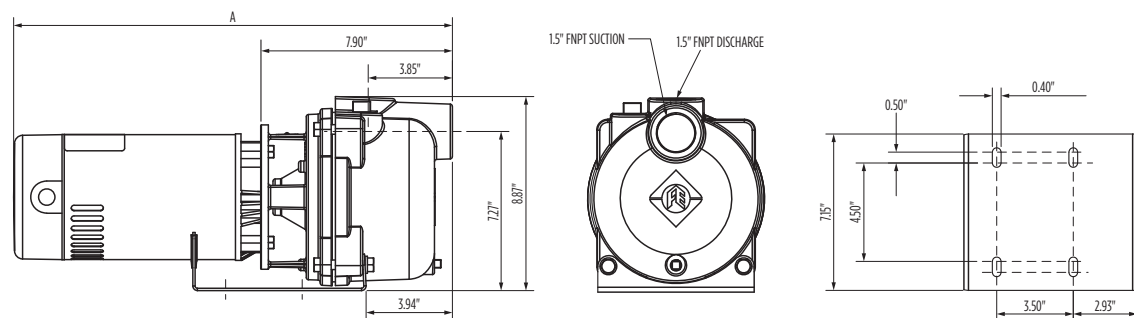
### ORDERING INFORMATION

Complete Pump							Pump End Only			
Model	HP	Phase	Suc. x Dis. (FNPT)	Voltage	Order No.	Wt. (lbs)	Model	Order No.	Wt. (lbs)	
FTB1CI	1	1	1-1/2" x 1-1/2"	115/230	92980010	50	FTB1CI-PE	92940010	28	
FTB15CI	1-1/2			115/230	92980015	57	FTB15CI-PE	92940015	28	
FTB2CI	2			230	92980020	58	FTB2CI-PE	92940020	28	
FTB1CI-SSI*	1	1		115/230	92981010	52	FTB1CI-SSI-PE*	92941010	30	
FTB15CI-SSI*	1-1/2			115/230	92981015	59	FTB15CI-SSI-PE*	92941015	30	
FTB2CI-SSI*	2			230	92981020	60	FTB2CI-SSI-PE*	92941020	30	
FTB1CI-SSI-T*	1	3		2" x 2"	208-230/460	92983010	51	-	-	-
FTB15CI-SSI-T*	1-1/2				208-230/460	92983015	55	-	-	-
FTB2CI-SSI-T*	2				208-230/460	92983020	57	-	-	-
FTB3CI	3	1	2" x 2"			92980030	134	FTB3CI-PE	92980033	60
FTB3CI-3	3	3				92980035	110	-	-	-
FTB5CI	5	1	2-1/2" x 2"			92980050	140	FTB5CI-PE	92980053	60
FTB5CI-3	5	3				92980055	130	-	-	-

\*Stainless steel impeller

### DIMENSIONS

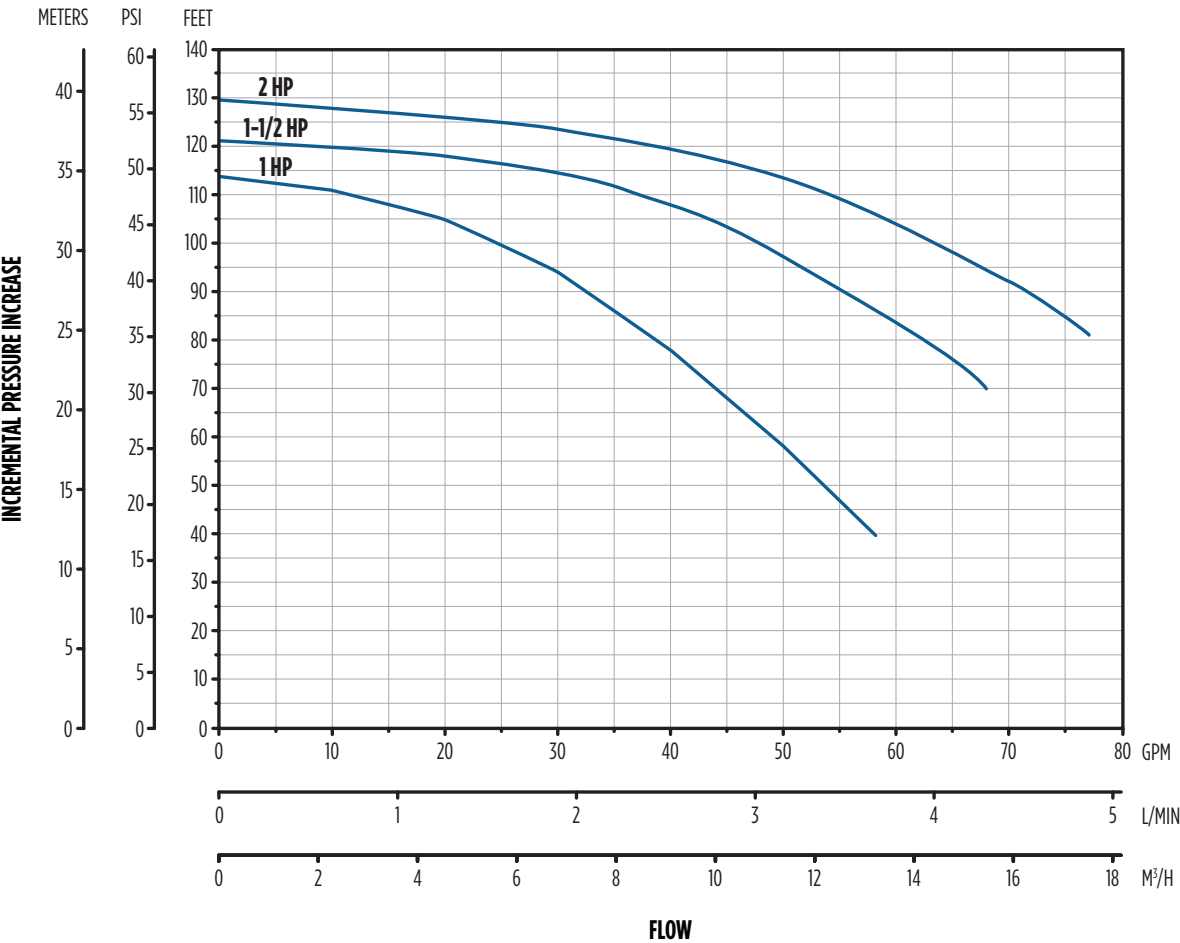
Model	HP	A (1-Phase)	A (3-Phase)
FTB1CI	1	20.00"	23.40"
FTB15CI	1-1/2	21.60"	25.00"
FTB2CI	2	21.60"	25.00"
FTB3CI	3	23.25"	23.75"
FTB5CI	5	23.38"	23.38"





# SELF-PRIMING IRRIGATION PUMPS - TURF BOSS

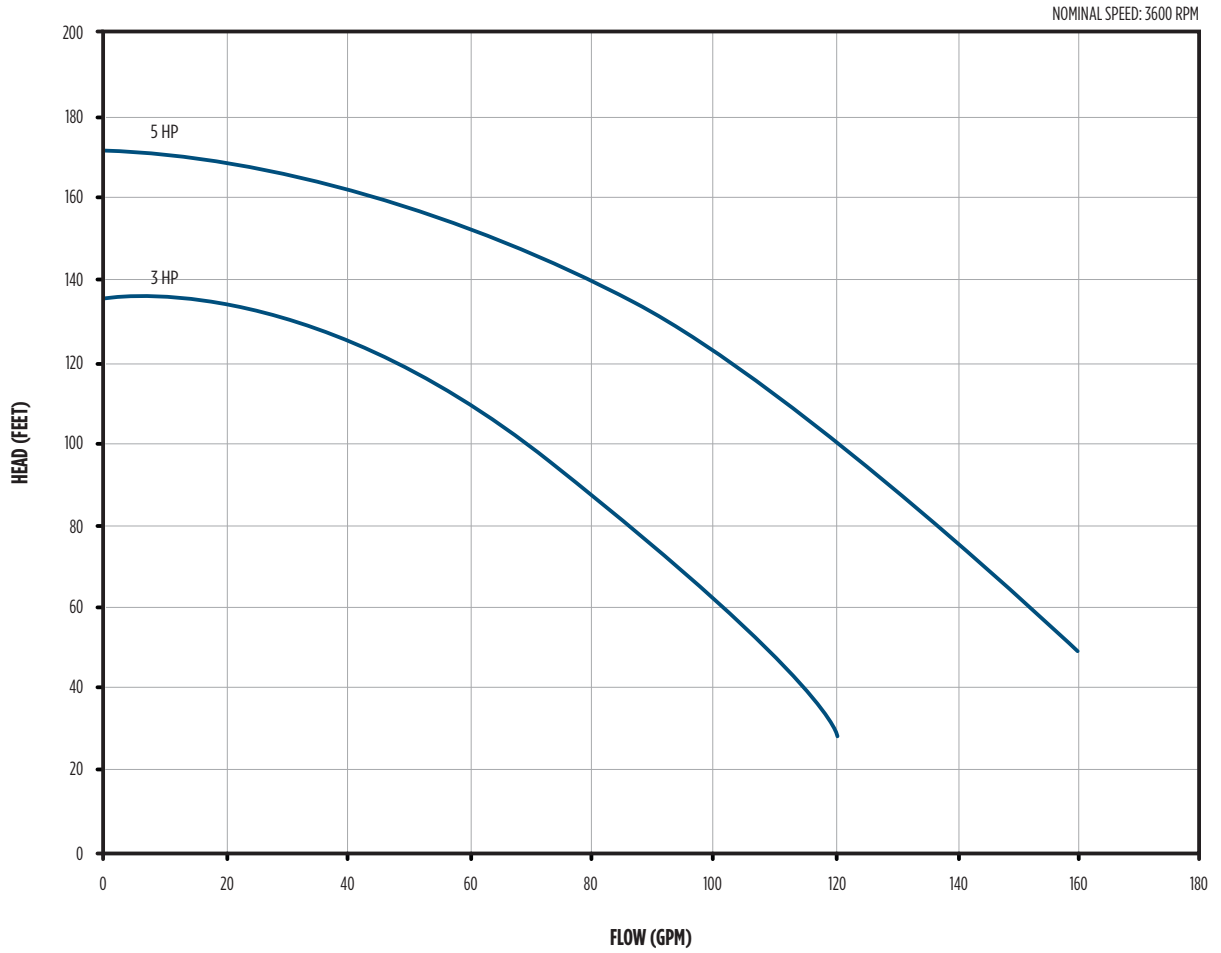
## PERFORMANCE: 1-2 HP



Model	HP	Total Suction Lift (ft)	Discharge Pressure (PSI)							Shut-off Pressure (PSI)
			20	25	30	35	40	45	50	
			Gallons Per Minute (GPM)							
FTB1CI	1	5	53.0	47.0	42.0	36.0	27.0	13.0	-	46
		10	49.0	45.0	38.0	32.0	23.0	-	-	44
		15	45.0	43.0	37.0	28.0	17.0	-	-	42
		20	38.0	37.0	33.0	24.0	-	-	-	40
		25	28.0	27.0	27.0	18.0	-	-	-	38
FTB15CI	1-1/2	5	65.0	64.0	63.0	58.0	48.0	37.0	-	50
		10	58.0	58.0	57.0	55.0	45.0	26.0	-	48
		15	50.0	49.0	48.0	48.0	40.0	-	-	46
		20	41.0	40.0	39.0	38.0	32.0	-	-	44
		25	29.0	28.0	28.0	27.0	17.0	-	-	42
FTB2CI	2	5	70.0	69.0	69.0	68.0	65.0	53.0	35.0	52
		10	61.0	60.0	60.0	59.0	58.0	47.0	-	50
		15	52.0	51.0	50.0	49.0	48.0	37.0	-	49
		20	41.0	40.0	39.0	38.0	35.0	-	-	47
		25	29.0	28.0	27.0	25.0	22.0	-	-	45

## SELF-PRIMING IRRIGATION PUMPS - TURF BOSS

PERFORMANCE: 3-5 HP





## SELF-PRIMING EFFLUENT PUMPS - FBSE SERIES

### FEATURES

- Cast iron volute with tapped openings for priming, venting, and draining
- Semi-open cast iron impeller that is blind-hold tapped so liquid will not corrode the shaft; Ideal for handling fertilizer, salt water, dirty water, and other liquids
- Mechanical seal with carbon/ceramic faces, FKM elastomers, and 300-series stainless steel components
- Reliable, industry-standard 1/2-3 hp motor; higher than NEMA service factor
- Capacities to 50 gpm; Heads to 92 feet
- 75 psi maximum working pressure; 120 °F maximum temperature
- Clockwise rotation when viewed from motor end



### ORDERING INFORMATION

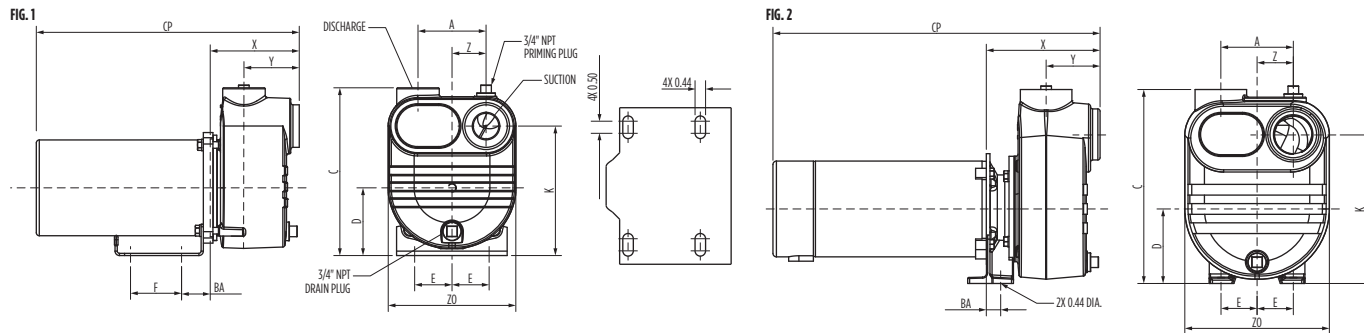
Complete Pump							Pump End Kit		
Model	HP	PH	Volts	Dis. x Suc. (NPT)	Order No.	Wt. (lbs)	Model	Order No.	Wt. (lbs)
FBSE-50-S	1/2	1	115/230	1-1/4" x 1-1/4"	92931005	41	FBSE-50-K	92925005	18
FBSE-75-S	3/4	1	115/230	1-1/4" x 1-1/4"	92931007	42	FBSE-75-K	92925007	18
FBSE-100-S	1	1	115/230	1-1/4" x 1-1/4"	92931010	46	FBSE-100-K	92925010	18
FBSE-150-S	1-1/2	1	115/230	2" x 2"	92931015	52	FBSE-150-K	92925015	18
FBSE-200-S	2	1	230	2" x 2"	92931020	60	FBSE-200-K	92925020	22
FBSE-300-S	3	1	230	2" x 2"	92931030	70	FBSE-300-K	92925030	25
FBSE-300-T	3	3	208-230/460	2" x 2"	92933030	60	FBSE-300-K	92925030	25

NOTE: Pump End Kits (less motor) use 56J C face motors

### DIMENSIONS

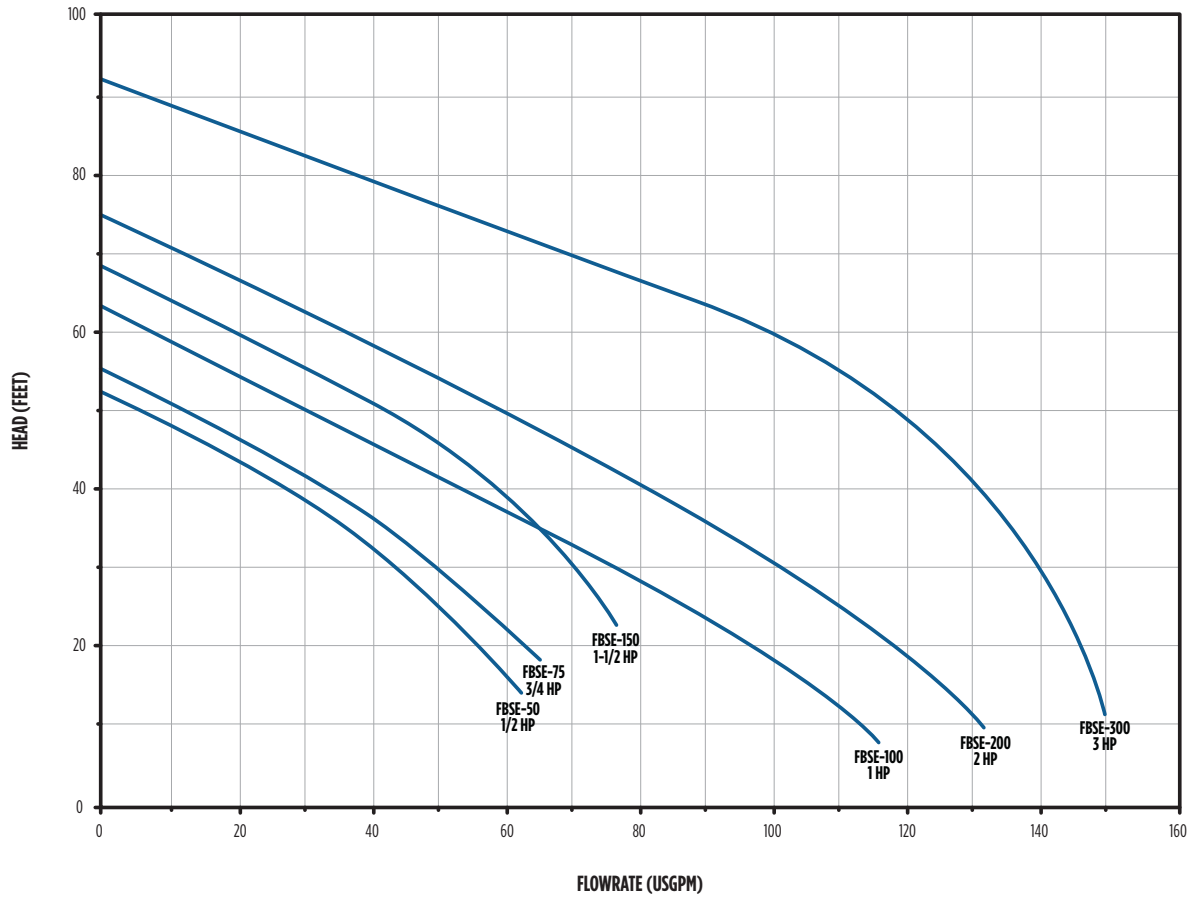
Model	HP	Fig.	Dis. x Suc. (NPT)	CP	A	BA	C	D	E	F	K	X	Y	Z	ZO
FBSE-50-S	1/2	1	1-1/4" x 1-1/4"	15.46"	4.00"	1.69"	9.86"	3.98"	2.20"	3.00"	7.61"	5.23"	3.25"	2.00"	7.50"
FBSE-75-S	3/4	1	1-1/4" x 1-1/4"	15.96"	4.00"	1.69"	9.86"	3.98"	2.20"	3.00"	7.61"	5.23"	3.25"	2.00"	7.50"
FBSE-100-S	1	1	1-1/4" x 1-1/4"	16.96"	4.00"	1.69"	9.86"	3.98"	2.20"	3.00"	7.61"	5.23"	3.25"	2.00"	7.50"
FBSE-150-S	1-1/2	1	2" x 2"	17.91"	4.26"	1.69"	11.00"	3.98"	2.20"	3.00"	8.36"	5.44"	3.17"	2.13"	8.50"
FBSE-200-S	2	1	2" x 2"	19.16"	4.26"	1.69"	11.00"	3.98"	2.20"	3.00"	8.36"	5.44"	3.17"	2.13"	8.50"
FBSE-300-S	3	2	2" x 2"	19.23"	4.26"	0.85"	11.44"	4.38"	2.13"	N/A	8.37"	6.69"	3.17"	2.13"	8.50"
FBSE-300-T	3	2	2" x 2"	20.43"	4.26"	0.85"	11.44"	4.38"	2.13"	N/A	8.37"	6.69"	3.17"	2.13"	8.50"

NOTE: Dimensions are for estimating purposes only



## SELF-PRIMING EFFLUENT PUMPS - FBSE SERIES

### PERFORMANCE



Model	HP	Shut-off Head (ft)	Discharge Pressure (PSI)						
			10	20	30	40	50	60	70
			Gallons Per Minute (GPM)						
FBSE-50	1/2	52	-	56.0	44.0	27.0	6.0	-	-
FBSE-75	3/4	55	-	63.0	49.0	34.0	12.0	-	-
FBSE-100	1	64	113.0	97.0	76.0	54.0	30.0	8.0	-
FBSE-150	1-1/2	68	-	-	70.0	58.0	42.0	19.0	-
FBSE-200	2	75	131.0	118.0	101.0	82.0	59.0	36.0	12.0
FBSE-300	3	92	-	145.0	139.0	132.0	119.0	100.0	69.0

## BOOSTER PUMPS

Franklin's booster pumps feature a stainless steel construction and are designed to meet any pressure-boosting need. The selection is available in a range of horsepower sizes, in single- and three-phase configurations, and offer high performance for a wide variety of applications. Whether boosting water pressure from a city main or a private water system, Franklin's quality pumps will fulfill the task.

### PRODUCT FAMILY

- MH Series
- BT4 Series
- BT4 Series 56C Pump Ends

### APPLICATIONS

- Pressure Boosting (from city mains or private water systems)
- Water Transfer and Circulation
- Lawn and Crop Irrigation
- Residential Lawn Sprinkler Systems
- Reverse Osmosis (MH/SS BT4)
- Filtration (SS BT4)
- Pressure Washing
- Poultry Houses
- Equipment Spray Cooling
- Evaporative Cooling System Misters
- General Purpose Plumbing
- Aeration
- Wash-Down Applications
- Commercial Water Features and Fountains
- Cisterns



### FAMILY COMPARISON CHART

Model	Performance	50	100	150	200	250	300	350
MH Series	Shut-off PSI	140						
	Max. GPM	64						
BT4 Series	Shut-off PSI	326						
	Max. GPM	32						

## MULTI-STAGE BOOSTER PUMPS - MH SERIES

### FEATURES

- 300-series stainless steel wet end
- FKM mechanical shaft seal for added chemical resistance
- High quality, industry proven, UL778 approved, indoor/outdoor square-flange motors; three-phase inverter duty rated
- Available in 15, 30, and 45 gpm flow rates
- High pressure capability of 140 psi
- Able to pump fluids at temperatures up to 225 °F
- Can operate in suction lift installation up to 10 feet



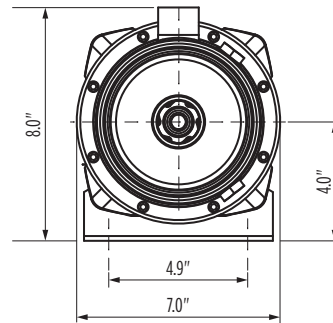
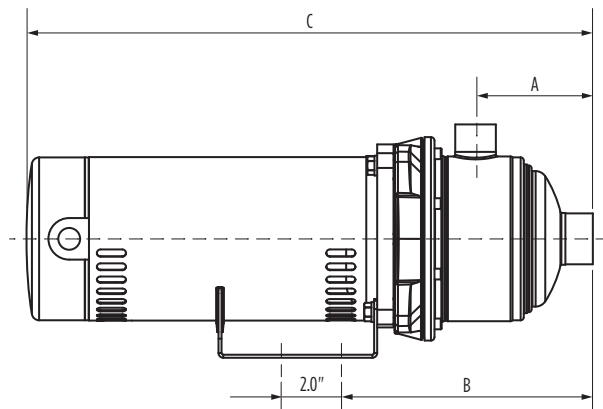
### ORDERING INFORMATION

Model No.	HP	Phase	Dis. x Suc. (NPT)	Stage	GPM	Voltage	Order No.	Wt. (lbs)
15FMH05S2	1/2	1	1" x 1-1/4"	2	15	115/230	96061500	22
15FMH07S3	3/4			3			96061501	25
15FMH1S4	1			4			96061502	29
15FMH15S5	1-1/2			5			96061503	35
15FMH2S6	2			6			96061504	40
30FMH07S2	3/4		1" x 1-1/4"	2	30		96063000	25
30FMH1S3	1			3			96063001	33
30FMH15S4	1-1/2			4			96063002	37
30FMH2S5	2			5			96063003	41
45FMH15S2	1-1/2		1-1/4" x 1-1/2"	2	45		96064500	33
45FMH2S3	2			3			96064501	39
15FMH05S2-T	1/2	3	1" x 1-1/4"	2	15	208-230/460	96061510	24
15FMH07S3-T	3/4			3			96061511	24
15FMH1S4-T	1			4			96061512	29
15FMH15S5-T	1-1/2			5			96061513	34
15FMH2S6-T	2			6			96061514	42
30FMH07S2-T	3/4		1" x 1-1/4"	2	30		96063010	24
30FMH1S3-T	1			3			96063011	33
30FMH15S4-T	1-1/2			4			96063012	36
30FMH2S5-T	2			5			96063013	43
45FMH15S2-T	1-1/2		1-1/4" x 1-1/2"	2	45		96064510	32
45FMH2S3-T	2			3			96064511	41

## MULTI-STAGE BOOSTER PUMPS - MH SERIES

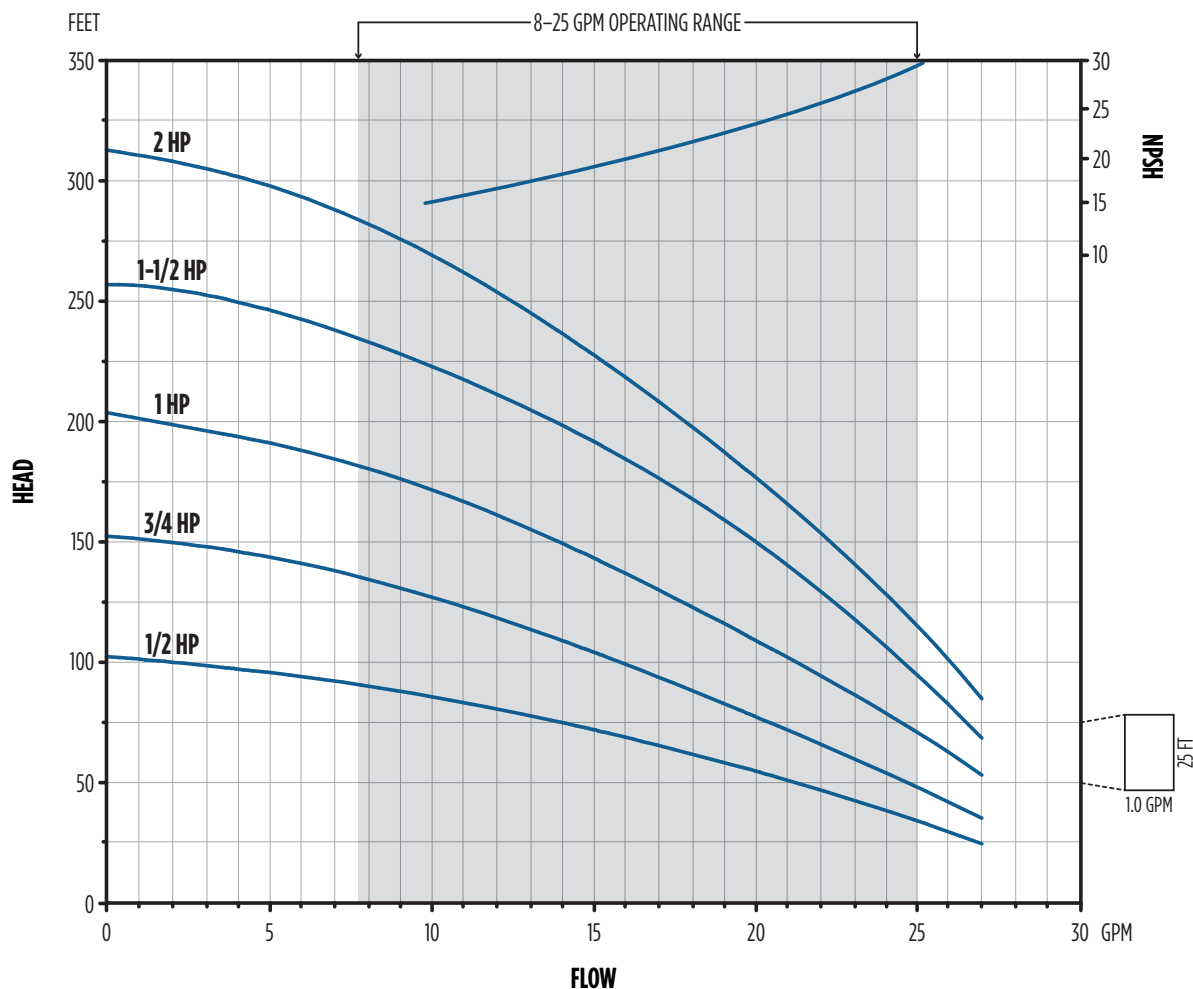
### DIMENSIONS

Model	HP	Phase	GPM	Stage	A	B	C
15FMH05S2	1/2	1	15	2	4.06"	8.75"	16.75"
15FMH07S3	3/4			3	4.06"	8.75"	17.50"
15FMH1S4	1			4	5.00"	9.69"	19.07"
15FMH15S5	1-1/2			5	5.94"	10.64"	20.81"
15FMH2S6	2			6	6.89"	11.58"	22.59"
30FMH07S2	3/4		30	2	4.06"	8.75"	17.50"
30FMH1S3	1			3	4.06"	8.75"	19.00"
30FMH15S4	1-1/2			4	5.00"	9.69"	20.70"
30FMH2S5	2		45	5	5.94"	10.64"	21.64"
45FMH15S2	1-1/2			2	4.65"	9.34"	19.67"
45FMH2S3	2			3	4.65"	9.34"	20.50"
15FMH05S2-T	1/2	3	15	2	4.06"	8.75"	16.97"
15FMH07S3-T	3/4			3	4.06"	8.75"	17.62"
15FMH1S4-T	1			4	5.00"	9.69"	18.92"
15FMH15S5-T	1-1/2			5	5.94"	10.64"	20.78"
15FMH2S6-T	2			6	6.89"	11.58"	22.56"
30FMH07S2-T	3/4		30	2	4.06"	8.75"	17.62"
30FMH1S3-T	1			3	4.06"	8.75"	18.85"
30FMH15S4-T	1-1/2			4	5.00"	9.69"	20.67"
30FMH2S5-T	2			5	5.94"	10.64"	21.61"
45FMH15S2-T	1-1/2		45	2	4.65"	9.34"	19.64"
45FMH2S3-T	2			3	4.65"	9.34"	20.47"



## MULTI-STAGE BOOSTER PUMPS - MH SERIES

### PERFORMANCE - 15 GPM



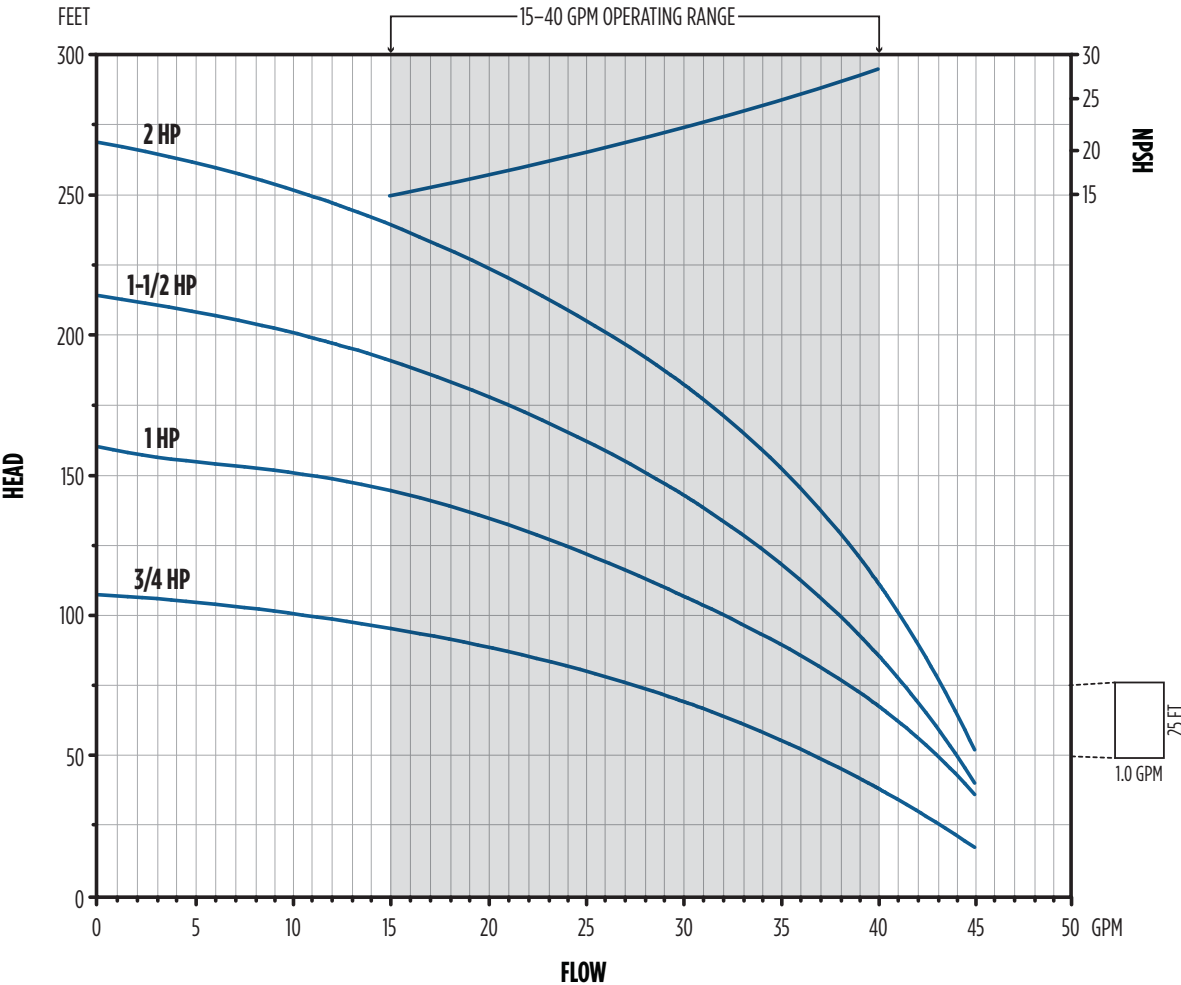
Model	HP	Total Head (ft)																								Shut-off Head (PSI)
		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270		
		Capacities (GPM)																								
15FMH05S2	1/2	21.0	18.0	15.0	12.0	8.0	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	
15FMH05S2-T																										
15FMH07S3	3/4	25.0	23.0	21.0	19.0	18.0	16.0	14.0	12.0	9.0	6.0	1.0	-	-	-	-	-	-	-	-	-	-	-	-	66	
15FMH07S3-T																										
15FMH1S4	1	-	26.0	25.0	24.0	23.0	21.0	20.0	18.0	17.0	15.0	14.0	12.0	10.0	8.0	5.0	1.0	-	-	-	-	-	-	-	88	
15FMH1S4-T																										
15FMH15S5	1-1/2	-	-	27.0	26.0	25.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	16.0	15.0	14.0	12.0	10.0	9.0	6.0	4.0	-	-	111	
15FMH15S5-T																										
15FMH2S6	2	-	-	-	-	27.0	26.0	25.0	25.0	24.0	23.0	22.0	21.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	12.0	11.0	10.0	135	
15FMH2S6-T																										





MULTI-STAGE BOOSTER PUMPS - MH SERIES

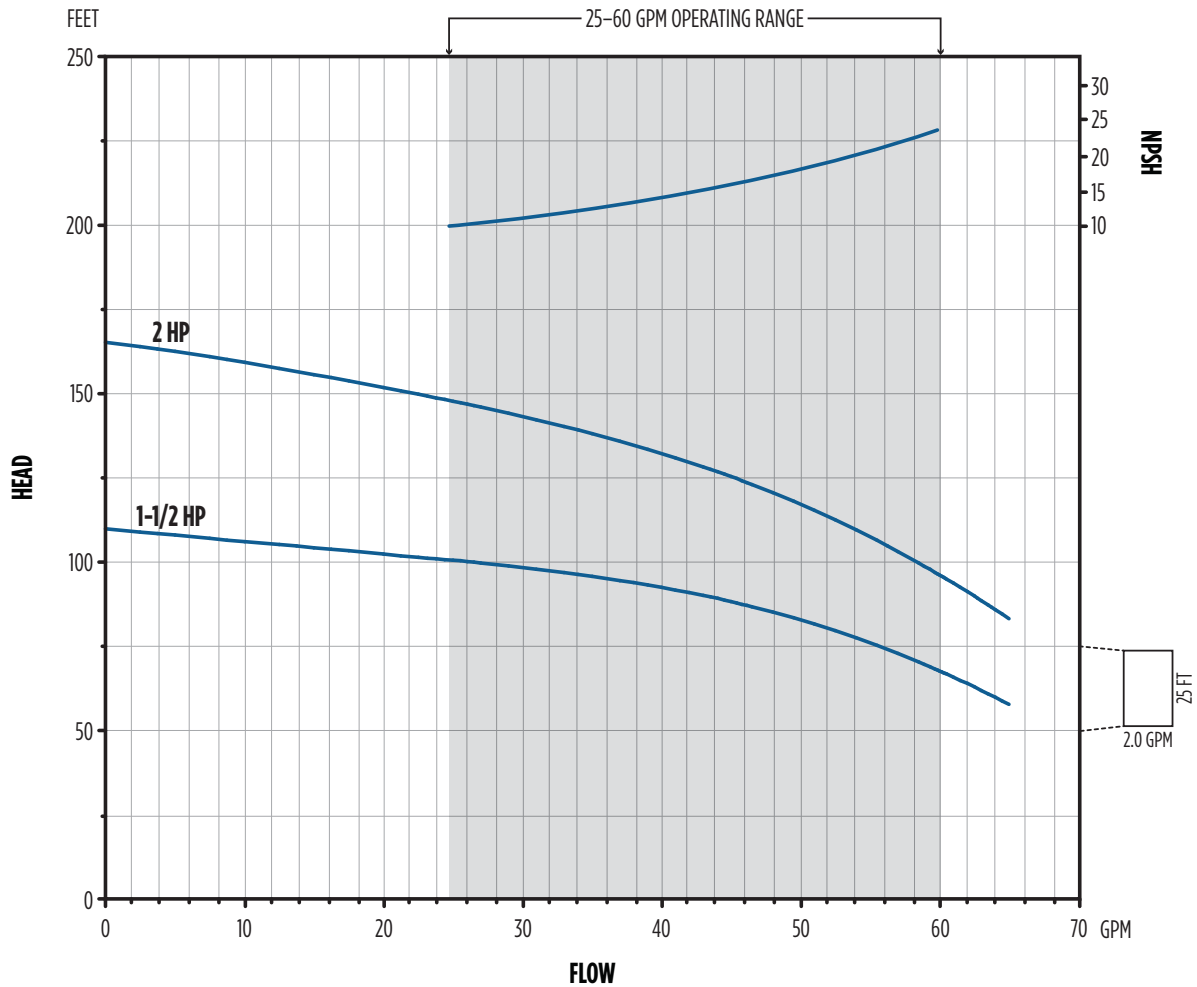
PERFORMANCE - 30 GPM



Model	HP	Total Head (ft)																				Shut-off Head (PSI)
		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	
		Capacities (GPM)																				
30FMH07S2	3/4	37.0	33.0	30.0	25.0	19.0	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	47	
30FMH07S2-T																						
30FMH1S3	1	43.0	41.0	40.0	37.0	35.0	32.0	29.0	26.0	22.0	17.0	11.0	-	-	-	-	-	-	-	-	69	
30FMH1S3-T																						
30FMH1S4	1-1/2	44.0	43.0	42.0	41.0	39.0	38.0	36.0	35.0	33.0	31.0	28.0	26.0	23.0	19.0	15.0	10.0	3.0	-	-	-	93
30FMH1S4-T																						
30FMH2S5	2	-	44.0	44.0	43.0	42.0	41.0	40.0	39.0	38.0	37.0	35.0	34.0	32.0	30.0	28.0	26.0	24.0	21.0	18.0	15.0	116
30FMH2S5-T																						

## MULTI-STAGE BOOSTER PUMPS - MH SERIES

### PERFORMANCE - 45 GPM



Model	HP	Total Head (ft)											Shut-off Head (PSI)
		60	70	80	90	100	110	120	130	140	150	160	
45FMH15S2	1-1/2	64.0	59.0	52.0	43.0	26.0	-	-	-	-	-	-	47
45FMH15S2-T		-	-	-	-	-	-	-	-	-	-	-	-
45FMH2S3	2	-	-	-	62.0	58.0	54.0	48.0	42.0	33.0	22.0	9.0	71
45FMH2S3-T		-	-	-	-	-	-	-	-	-	-	-	-

## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

### FEATURES

- Stainless steel discharge on all models
- Stainless steel or cast iron bracket with a rugged support foot for horizontal or vertical mounting and a handle for portability
- Built with Franklin's patented (U.S. patent) 7,290,984 Tri-Seal floating stage system, providing maximum efficiency, longevity, and performance
- Acetal impellers, Modified PPO diffusers, and 300-series stainless steel hub, eye seals, shaft, and shell
- Mechanical seal with standard phenolic/ceramic faces, FKM elastomers, and stainless steel components
- Industry-proven ODP square-flange motors easily serviced through a back pull-out design, leaving the pump and plumbing undisturbed in their original location
- High service factor, 1/2-3 hp, dual-voltage motors; three-phase inverter duty rated
- Shut-off pressures up to 270 psi, flow rates from 5-25 gpm, and temperatures up to 120 °F/49 °C



### ORDERING INFORMATION

Model	HP	Phase	Suc. x Dis. (NPT)	GPM	Construction	Volts	Order No.	Wt. (lbs)
5FBT05S4-T	1/2	3	1" x 1"	5	Stainless Steel	208-230/460	95830555	37
5FBT07S4-T	3/4						95830560	41
5FBT1S4-T	1						95830565	46
7FBT05S4-T	1/2			208-230/460		95830755	37	
7FBT07S4-T	3/4					95830760	40	
7FBT1S4-T	1					95830765	46	
7FBT15S4-T	1-1/2			95830770		53		
10FBT05S4-T	1/2			208-230/460		95831055	37	
10FBT07S4-T	3/4					95831060	39	
10FBT1S4-T	1					95831065	45	
10FBT15S4-T	1-1/2			95831070		52		
10FBT2S4-T	2			95831075		56		
15FBT07S4-T	3/4			208-230/460		95831560	39	
15FBT1S4-T	1					95831565	44	
15FBT15S4-T	1-1/2					95831570	49	
15FBT2S4-T	2			95831575		55		
20FBT07S4-T	3/4			208-230/460		95832060	39	
20FBT1S4-T	1					95832065	44	
20FBT15S4-T	1-1/2					95832070	51	
20FBT2S4-T	2			95832075		55		
20FBT3S4-T	3			95832080		67		
25FBT1S4-T	1			208-230/460		95832565	44	
25FBT15S4-T	1-1/2					95832570	48	
25FBT2S4-T	2					95832575	54	
25FBT3S4-T	3					95832580	66	

## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

### ORDERING INFORMATION

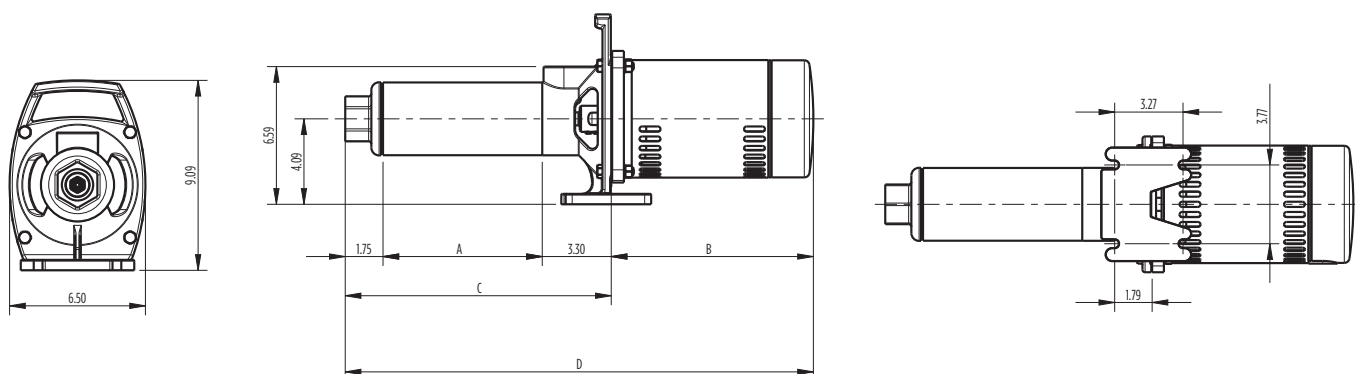
Model	HP	Phase	Suc. x Dis. (NPT)	GPM	Inlet Construction	Volts	Order No.	Wt. (lbs)		
5FBT05S4	1/2	1	1" x 1"	5	Stainless Steel	115/230	95830510	37		
5FBT07S4	3/4						95830515	41		
5FBT1S4	1						95830520	46		
5FBT05C4	1/2				Cast Iron		95880505	36		
5FBT07C4	3/4						95880510	40		
5FBT1C4	1						95880515	43		
7FBT05S4	1/2			7	Stainless Steel		95830710	37		
7FBT07S4	3/4						95830715	40		
7FBT1S4	1						95830720	46		
7FBT15S4	1-1/2				Cast Iron		95830725	53		
7FBT05C4	1/2						95880705	36		
7FBT07C4	3/4						95880710	40		
7FBT1C4	1				10		95880715	43		
7FBT15C4	1-1/2						95880720	48		
10FBT05S4	1/2						95831010	37		
10FBT07S4	3/4						95831015	39		
10FBT1S4	1						95831020	45		
10FBT15S4	1-1/2						95831025	52		
10FBT2S4	2				15		95831030	56		
10FBT05C4	1/2						95881005	35		
10FBT07C4	3/4						95881010	39		
10FBT1C4	1						95881015	42		
10FBT15C4	1-1/2						95881020	48		
10FBT2C4	2						95881025	55		
15FBT07S4	3/4			20	Stainless Steel		95831515	39		
15FBT1S4	1						95831520	44		
15FBT15S4	1-1/2						95831525	49		
15FBT2S4	2				Cast Iron		95831530	55		
15FBT07C4	3/4						95881510	39		
15FBT1C4	1						95881515	41		
15FBT15C4	1-1/2						95881520	47		
15FBT2C4	2				25		95881525	52		
20FBT07S4	3/4						95832015	39		
20FBT1S4	1						95832020	44		
20FBT15S4	1-1/2						95832025	51		
20FBT2S4	2						95832030	55		
20FBT3S4	3						95832035	67		
20FBT07C4	3/4				25		Stainless Steel		95882010	39
20FBT1C4	1								95882015	41
20FBT15C4	1-1/2								95882020	47
20FBT2C4	2						Cast Iron		95882025	54
20FBT3C4	3								95882035	70
25FBT1S4	1			95832520					44	
25FBT15S4	1-1/2			115/230			95832525	48		
25FBT2S4	2						95832530	54		
25FBT3S4	3						95832535	66		
25FBT1C4	1			115/230			95882515	41		
25FBT15C4	1-1/2						95882520	46		
25FBT2C4	2						95882525	51		
25FBT3C4	3			230			95882535	69		

NOTE: Includes FKM mechanical seal and high service factor motor.

## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

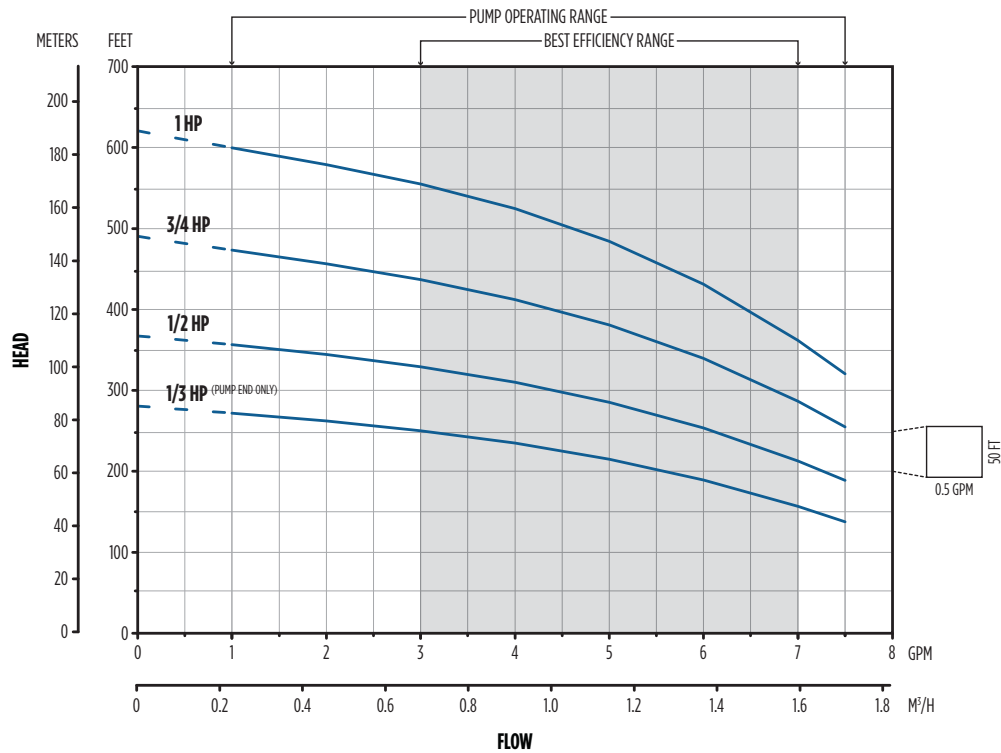
### DIMENSIONS

GPM	HP	Stage	A	B	C	D
5	1/3	7	8.44	9.63	13.49	23.12
	1/2	9	10.09	10.38	15.14	25.52
	3/4	12	12.55	11.00	17.60	28.60
	1	15	15.01	11.88	20.06	31.94
7	1/3	6	7.62	9.63	12.67	22.30
	1/2	8	9.26	10.38	14.31	24.69
	3/4	10	10.91	11.00	15.96	26.96
	1	14	14.19	11.88	19.24	31.12
	1-1/2	19	18.30	12.63	23.35	35.98
10	1/3	5	7.2	9.63	12.27	21.90
	1/2	7	9.02	10.38	14.07	24.45
	3/4	8	9.93	11.00	14.98	25.98
	1	11	12.64	11.88	17.69	29.57
	1-1/2	15	16.26	12.63	21.31	33.94
	2	18	18.97	12.63	24.02	36.65
15	1/2	5	7.22	10.38	12.27	22.65
	3/4	6	8.12	11.00	13.17	24.17
	1	8	9.93	11.88	14.98	26.86
	1-1/2	12	13.54	12.63	18.59	31.22
	2	15	16.26	12.63	21.31	33.94
20	1/2	4	7.59	10.38	12.64	23.02
	3/4	5	8.82	11.00	13.87	24.87
	1	7	11.26	11.88	16.31	28.19
	1-1/2	10	14.94	12.63	19.99	32.62
	2	12	17.38	12.63	22.43	35.06
	3	15	21.06	13.18	26.11	39.29
25	3/4	4	7.59	11.00	12.64	23.64
	1	6	10.04	11.88	15.09	26.97
	1-1/2	8	12.49	12.63	17.54	30.17
	2	10	14.94	12.63	19.99	32.62
	3	13	18.61	13.18	23.66	36.84

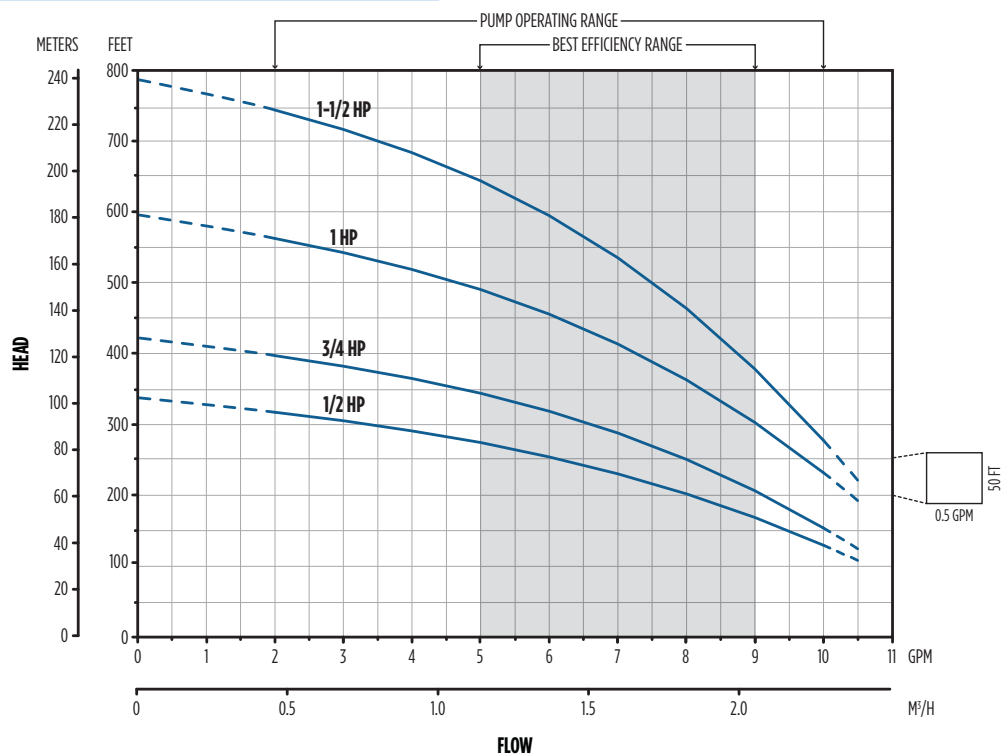


## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

### PERFORMANCE: 5 GPM



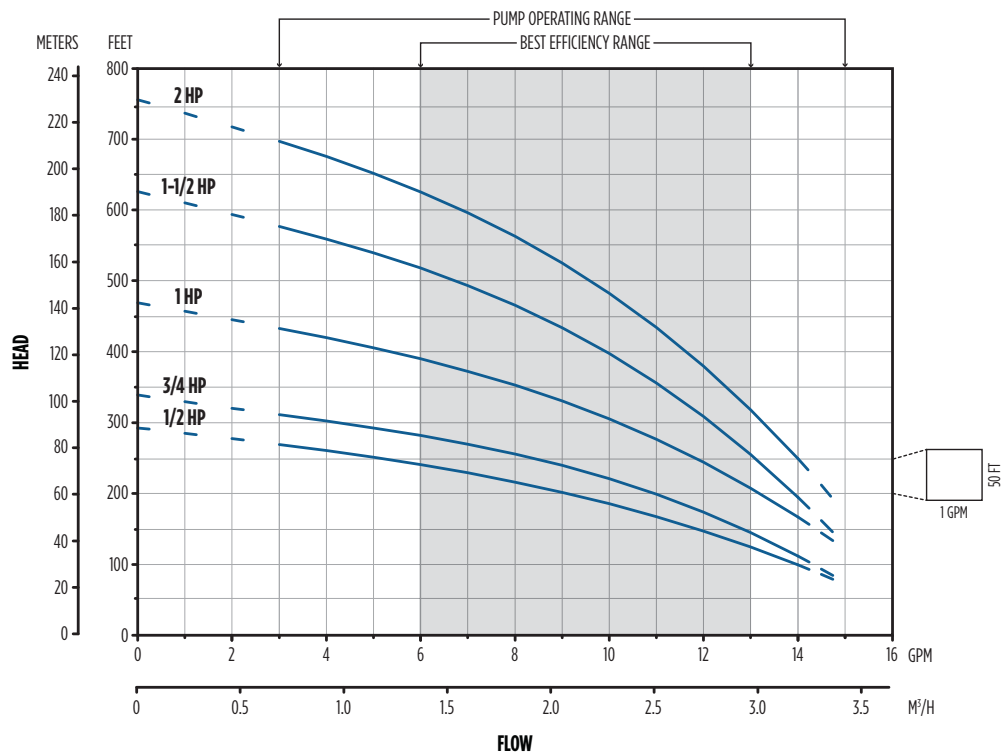
### PERFORMANCE: 7 GPM



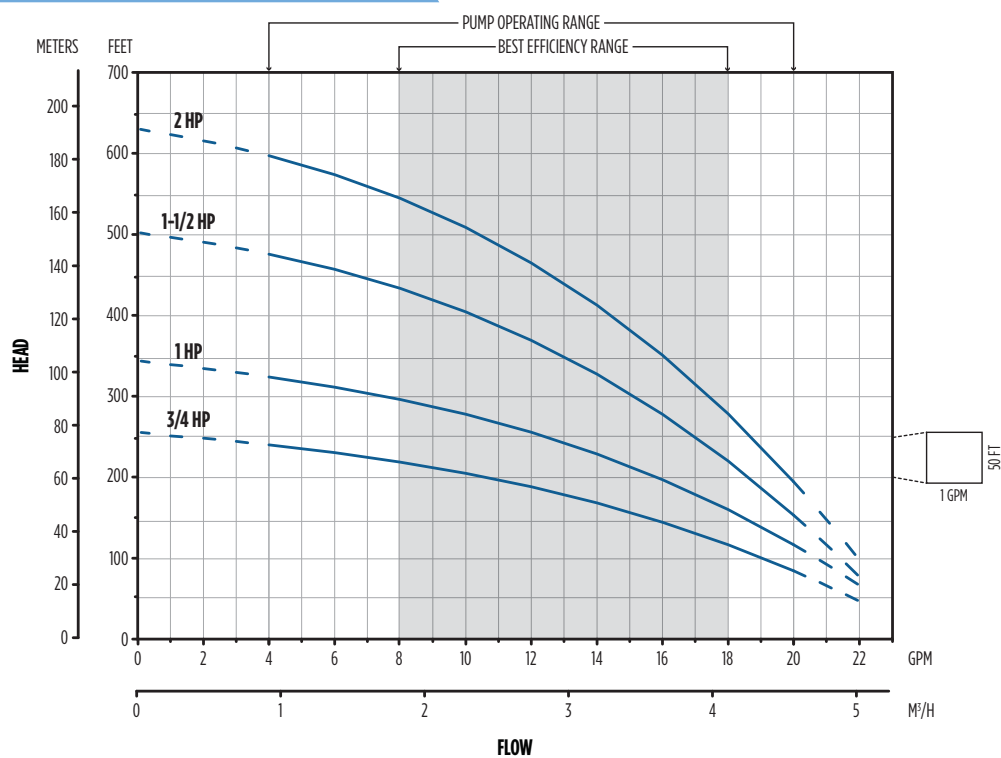


## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

### PERFORMANCE: 10 GPM

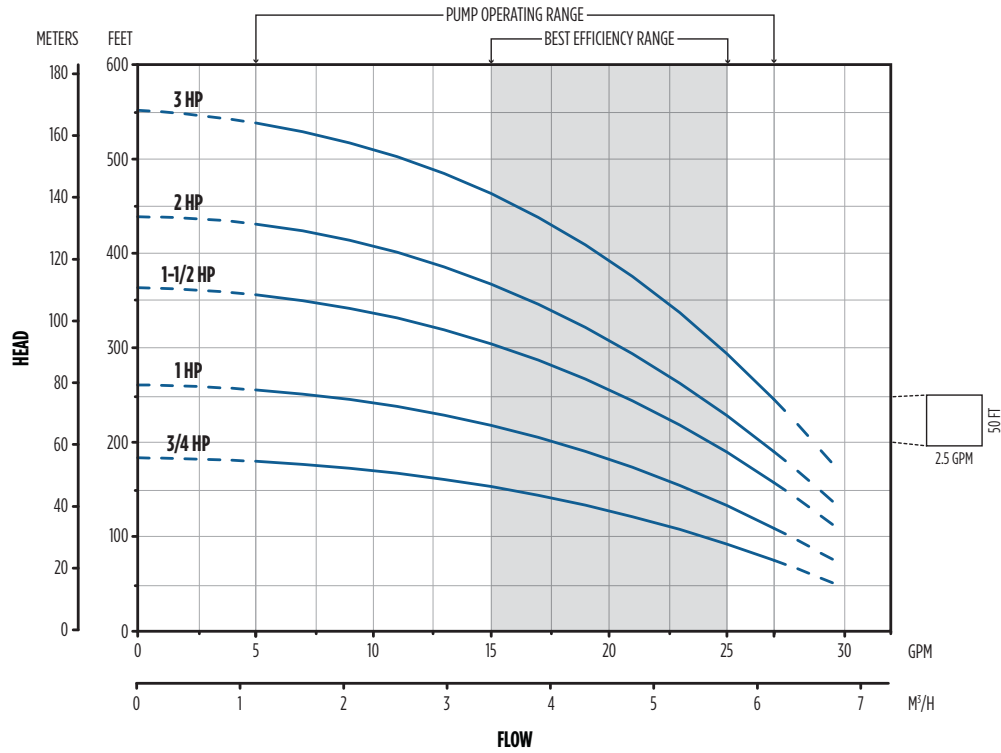


### PERFORMANCE: 15 GPM

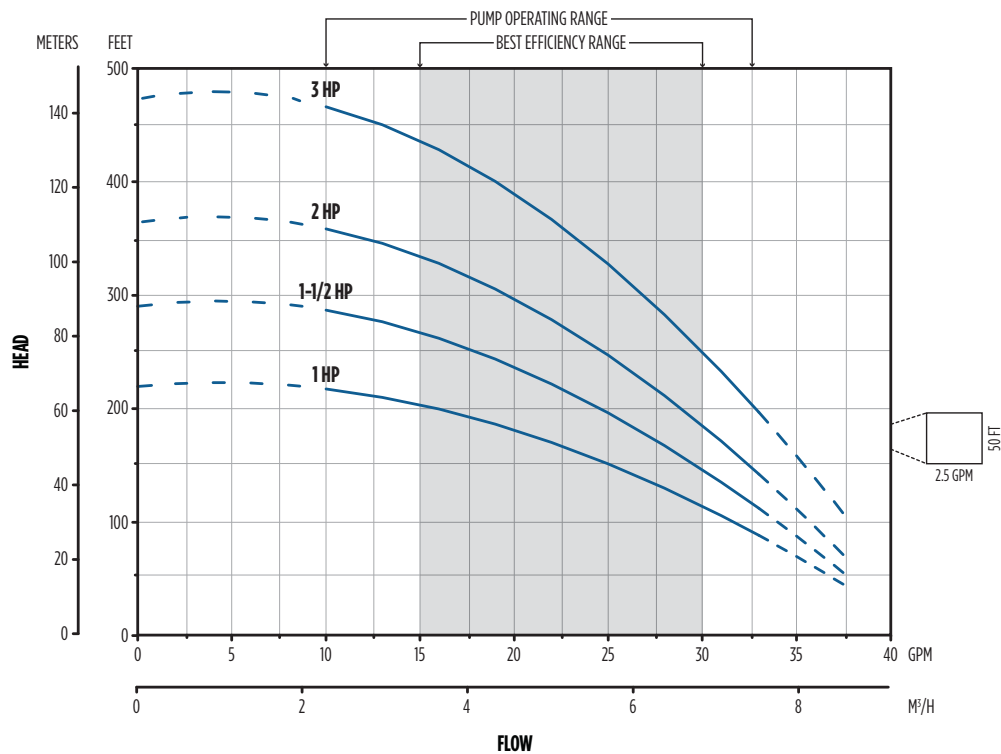


## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

### PERFORMANCE: 20 GPM



### PERFORMANCE: 25 GPM



## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES 56C PUMP ENDS

### FEATURES

- 56C standard motor bracket for use with any customer-supplied motor
- All stainless steel construction, including a stainless steel bracket with a rugged support foot for horizontal or vertical mounting and a handle for portability
- Built with Franklin's patented (U.S. patent) 7,290,984 Tri-Seal floating stage system, providing maximum efficiency, longevity, and performance
- Acetal impellers, Modified PPO diffusers, and 300-series stainless steel hub, eye seals, shaft, and shell
- Mechanical seal with standard phenolic/ceramic faces, FKM elastomers, and stainless steel components
- Shut-off pressures up to 270 psi, flow rates from 5-25 gpm



### ORDERING INFORMATION

Model	HP	Suc. x Dis. (NPT)	GPM	Order No.	Wt. (lbs)
5BT03S4-PE	1/3	1" x 1"	5	95920507	18
5BT05S4-PE	1/2			95920509	19
5BT07S4-PE	3/4			95920512	20
5BT1S4-PE	1			95920515	21
7BT05S4-PE	1/2		7	95920708	18
7BT07S4-PE	3/4			95920710	19
7BT1S4-PE	1			95920714	20
7BT15S4-PE	1-1/2			95920719	24
10BT05S4-PE	1/2		10	95921007	18
10BT07S4-PE	3/4			95921008	19
10BT1S4-PE	1			95921011	20
10BT15S4-PE	1-1/2			95921015	23
10BT2S4-PE	2			95921018	24
15BT05S4-PE	1/2		15	95921505	17
15BT07S4-PE	3/4			95921506	18
15BT1S4-PE	1			95921508	19
15BT15S4-PE	1-1/2			95921512	20
15BT2S4-PE	2			95921515	23
20BT05S4-PE	1/2		20	95922004	17
20BT07S4-PE	3/4			95922005	18
20BT1S4-PE	1			95922007	19
20BT15S4-PE	1-1/2			95922010	20
20BT2S4-PE	2			95922012	23
20BT3S4-PE	3			95922015	24
25BT1S4-PE	1		25	95922506	18
25BT15S4-PE	1-1/2			95922508	19
25BT2S4-PE	2			95922510	20
25BT3S4-PE	3			95922513	24

## TRANSFER PUMPS

For times when transferring water is required, Franklin offers a wide variety of pumps that accomplish most any task. Whether circulating water or other liquids, Franklin's transfer pumps have a range of horsepower in single- and three-phase configurations to complete the job. Throughout the selection, the centrifugal pumps and motors are available for indoor and outdoor use with UL approvals.

### PRODUCT FAMILY

- DDS Series
- FCE Series
- A Series
- S Series
- JCM Series

### APPLICATIONS

- Pressure Boosting
- Water Transfer
- General Purpose
- Water Features
- Fountains
- General Dewatering
- Aquariums (A Series, S Series, JCM Series)



### FAMILY COMPARISON CHART

Model	Performance	30	60	90	120	150	180	210
DDS Series	Shut-off PSI	51						
	Max. GPM	62						
FCE Series	Shut-off PSI	54						
	Max. GPM	120						
S Series	Shut-off PSI	31						
	Max. GPM	89						
A Series	Shut-off PSI	29						
	Max. GPM	200						
JCM Series	Shut-off PSI	27						
	Max. GPM	88						

## STAINLESS STEEL TRANSFER PUMPS - DDS SERIES

### FEATURES

- Stainless steel construction on all models
- Back pull-out design provides access to internal parts without disturbing the plumbing
- Mechanical shaft seal ensures a leakproof fit and continuous water lubrication
- Maximum temperature of 140 °F/60 °C and a maximum working pressure of 50 psi
- Square-flange, open drip-proof motor for easy service and reliability
- Enclosed impeller design for increased efficiencies
- FKM mechanical shaft seal for added chemical resistance
- 304 stainless steel case and seal plate

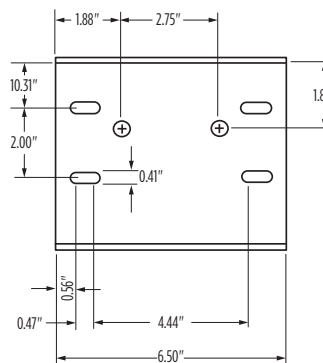
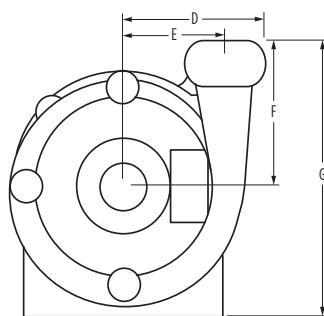
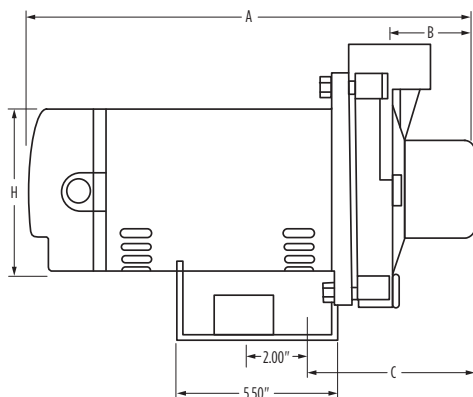


### ORDERING INFORMATION

HP	Dis. x Suc. (FNPT)	Single-Phase (115/230 V)			Three-Phase (208-230/460 V)			Pump End Kits		
		Model	Order No.	Wt. (lbs)	Model	Order No.	Wt. (lbs)	Model	Order No.	Wt. (lbs)
1/2	1" x 1-1/4"	5FPDDSI-S	93178056	25	5FPDDSI-T	93178098	25	FPDDSI-K1	93174137R378	12
3/4		7FPDDSI-S	93178064	29	7FPDDSI-T	93178106	29			
1		1FPDDSI-S	93178072	31	1FPDDSI-T	93178114	31			
1-1/2		15FPDDSI-S	93178080	36	15FPDDSI-T	93178122	36			

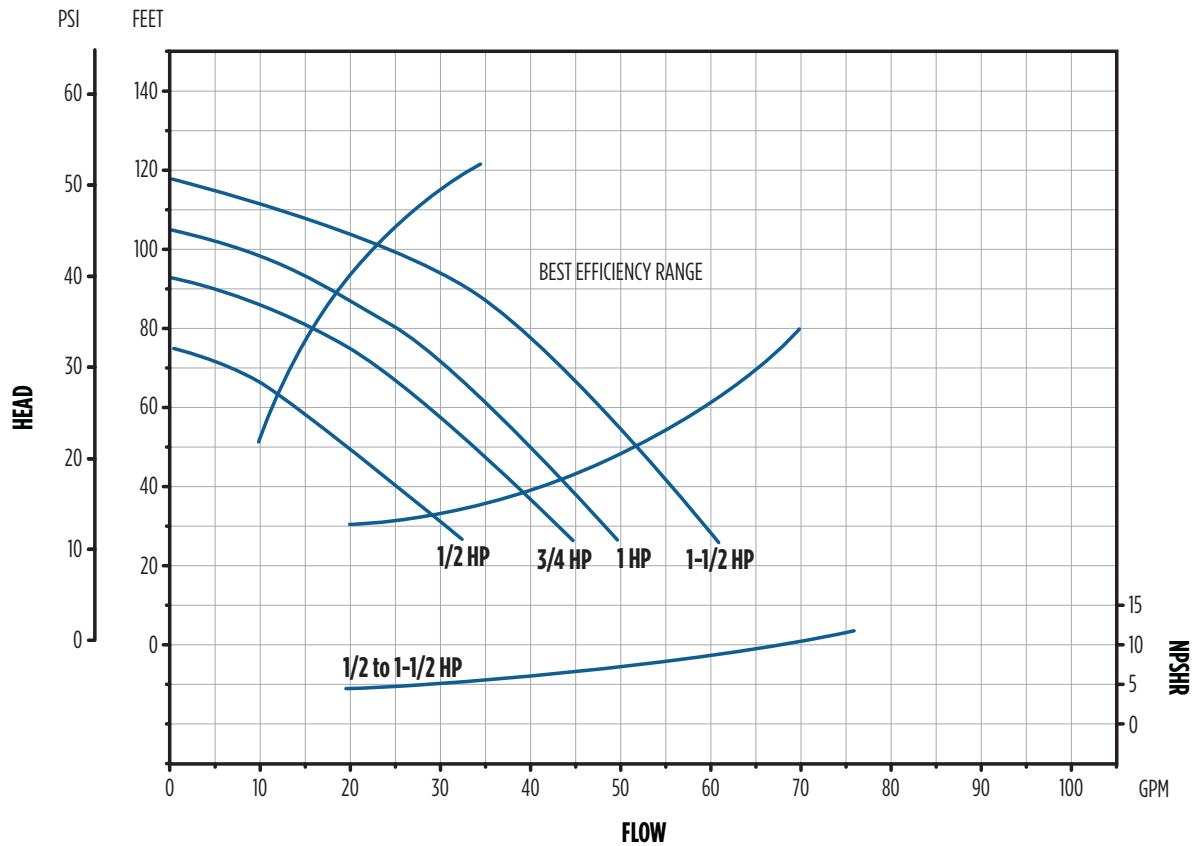
### DIMENSIONS

Model	HP	A	B	C	D	E	F	G	H
5FPDDSI-S	1/2	14.69"	2.38"	5.31"	4.44"	3.50"	4.63"	8.75"	5.50"
5FPDDSI-T		14.69"							
7FPDDSI-S	3/4	14.69"							
7FPDDSI-T		14.69"							
1FPDDSI-S	1	14.69"							
1FPDDSI-T		14.69"							
15FPDDSI-S	1-1/2	15.19"							
15FPDDSI-T		15.19"							



## STAINLESS STEEL TRANSFER PUMPS - DDS SERIES

### PERFORMANCE



Model	HP	Total Head (ft)											Shut-off Head (ft)
		30	35	40	45	50	60	70	80	90	100	110	
		Capacities (GPM)											
5FPDDSI-S	1/2	30.0	27.0	25.0	22.0	19.0	14.0	-	-	-	-	-	74
5FPDDSI-T													
7FPDDSI-S	3/4	-	41.0	38.0	36.0	34.0	29.0	23.0	16.0	-	-	-	93
7FPDDSI-T													
1FPDDSI-S	1	-	-	-	42.0	40.0	36.0	31.0	25.0	18.0	-	-	105
1FPDDSI-T													
15FPDDSI-S	1-1/2	-	-	-	-	52.0	47.0	44.0	39.0	34.0	25.0	-	118
15FPDDSI-T													



## CAST IRON TRANSFER PUMPS - FCE SERIES

### FEATURES

- Three-way, cast iron volute can be rotated for ease of installation
- Modified PPO impeller with stainless steel hub for efficiency and performance
- Powered by high quality, industry proven, UL778 approved, indoor/outdoor square-flange motors
- Built-in drain plug for easy winterizing and servicing
- Can be mounted in a vertical or horizontal position.
- Shut-off pressures up to 124 feet and flow capacities up to 120 gpm
- Handles water temperatures up to 160 °F/71 °C



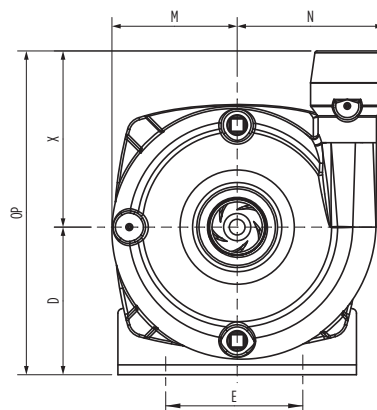
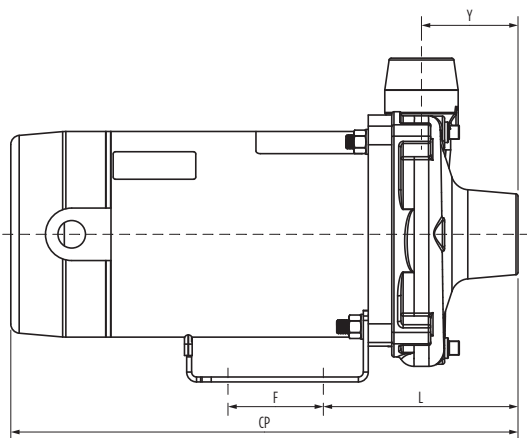
### ORDERING INFORMATION

HP	Dis. x Suc. (FNPT)	Single-Phase				Three-Phase				Pump Kits		
		Model	Voltage	Order No.	Wt. (lbs)	Model No.	Voltage	Order No.	Wt. (lbs)	Model No.	Order No.	Wt. (lbs)
1/2	1" x 1-1/4"	FCE05CI	115/230	90200005	31	FCE05CI-T	208-230/460	90203005	29	-	-	-
3/4	1" x 1-1/4"	FCE07CI	115/230	90200007	32	FCE07CI-T		90203007	31	CE07CI-PE	90160007	14
1	1" x 1-1/4"	FCE1CI	115/230	90200010	37	FCE1CI-T		90203010	34	-	-	14
1-1/2	1" x 1-1/4"	FCE15CI	115/230	90200015	42	FCE15CI-T		90203015	39	CE15CI-PE	90160015	14
2	1-1/2" x 1-1/4"	FCE2CI	230	90200020	46	FCE2CI-T		90203020	42	CE2CI-PE	90160020	14

### DIMENSIONS

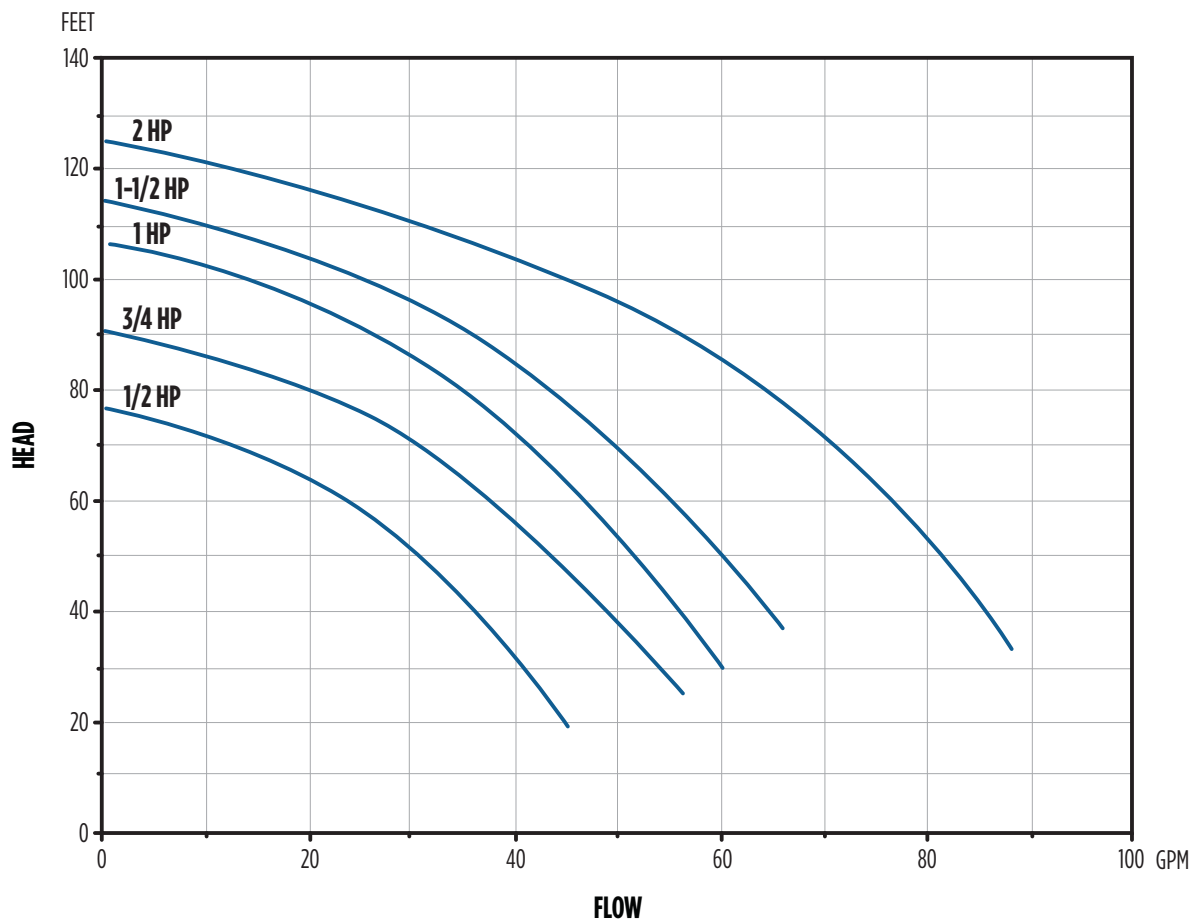
Model	HP	CP	D	E	F	L	M	N	OP	X	Y
FCE05CI	1/2	13.75	4.00	4.88	3.00	5.53	3.69	4.00	8.90	4.90	2.63
FCE05CI-T											
FCE07CI	3/4	14.07	4.00	4.88	3.00	5.53	3.69	4.00	8.90	4.90	2.63
FCE07CI-T											
FCE1CI	1	15.57	4.00	4.88	3.00	5.53	3.69	4.00	8.90	4.90	2.63
FCE1CI-T											
FCE15CI	1-1/2	15.90	4.00	4.88	3.00	5.53	3.69	4.00	8.90	4.90	2.63
FCE15CI-T											
FCE2CI	2	15.82	4.46	4.88	3.00	5.88	4.12	4.72	10.78	6.31	2.88
FCE2CI-T											

NOTE: Dimensions are for estimating purposes only



## CAST IRON TRANSFER PUMPS - FCE SERIES

### PERFORMANCE



Model	HP	Total Head (ft)						Shut-off Head (ft)
		30	40	50	70	90	110	
		Capacities (GPM)						
FCE05CI / FCE05CI-T	1/2	42	35	31	12	-	-	76
FCE07CI / FCE07CI-T	3/4	54	48	43	31	2	-	90
FCE1CI / FCE1CI-T	1	60	56	52	42	26	-	106
FCE15CI / FCE15CI-T	1-1/2	-	65	60	49	35	10	113
FCE2CI / FCE2CI-T	2	-	86	82	71	56	31	124

## NON-CORROSIVE TRANSFER PUMPS - S SERIES

### FEATURES

- Non-corrosive plastic construction and stainless steel for components in contact with liquid
- Motor shaft is completely insulated from any contact with pumping liquid
- Nitrile and stainless steel mechanical seal with ceramic/carbon faces
- Patented, air-cooled heat sink allows pump to run dry or in loss-of-prime conditions without damage to the shaft seal
- Unconditional two-year warranty against seal failure
- Floating eye seal on the impeller maximizes pump efficiency for best flow and pressure
- Accepts a standard 1-1/2" union (ordered separately) or a male 1-1/2" pipe thread
- UL and CSA agency listing applies to clean water applications only



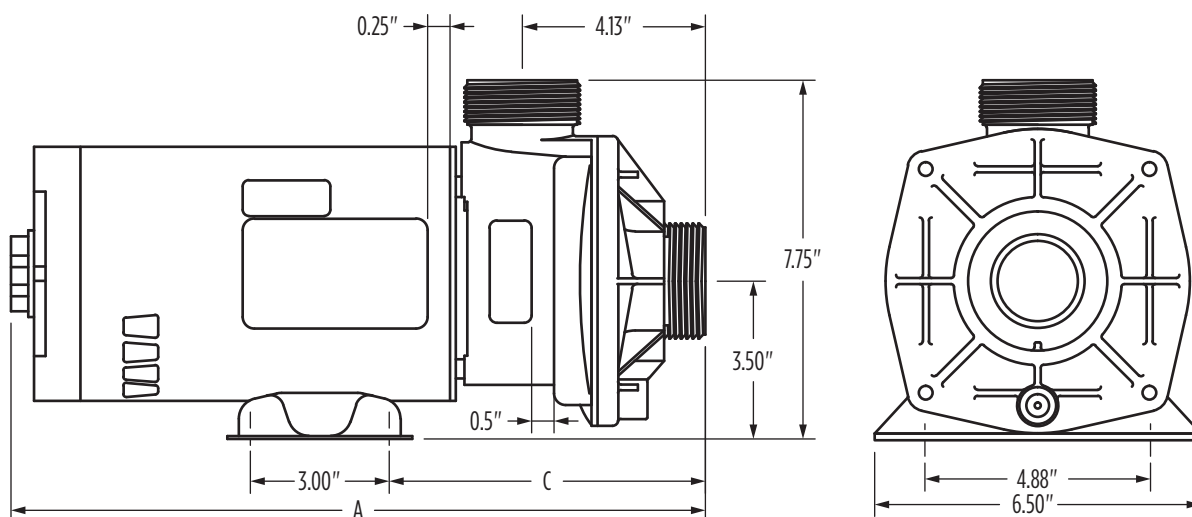
### ORDERING INFORMATION

Model	HP	Dis. x Suc. (MNPT)	Voltage	Order No.	Wt. (lbs)
S7KM	3/4	1-1/2" x 1-1/2"	115	94028263	22
S1KM	1		115	94028271	24
S15KM	1-1/2		115	94028289	26
S2M	2		115/230	94028297	35
Fittings kit contains (2) 1-1/2" slip x threaded connection union halves				31175608	1

NOTE: Set of union halves must be purchased separately

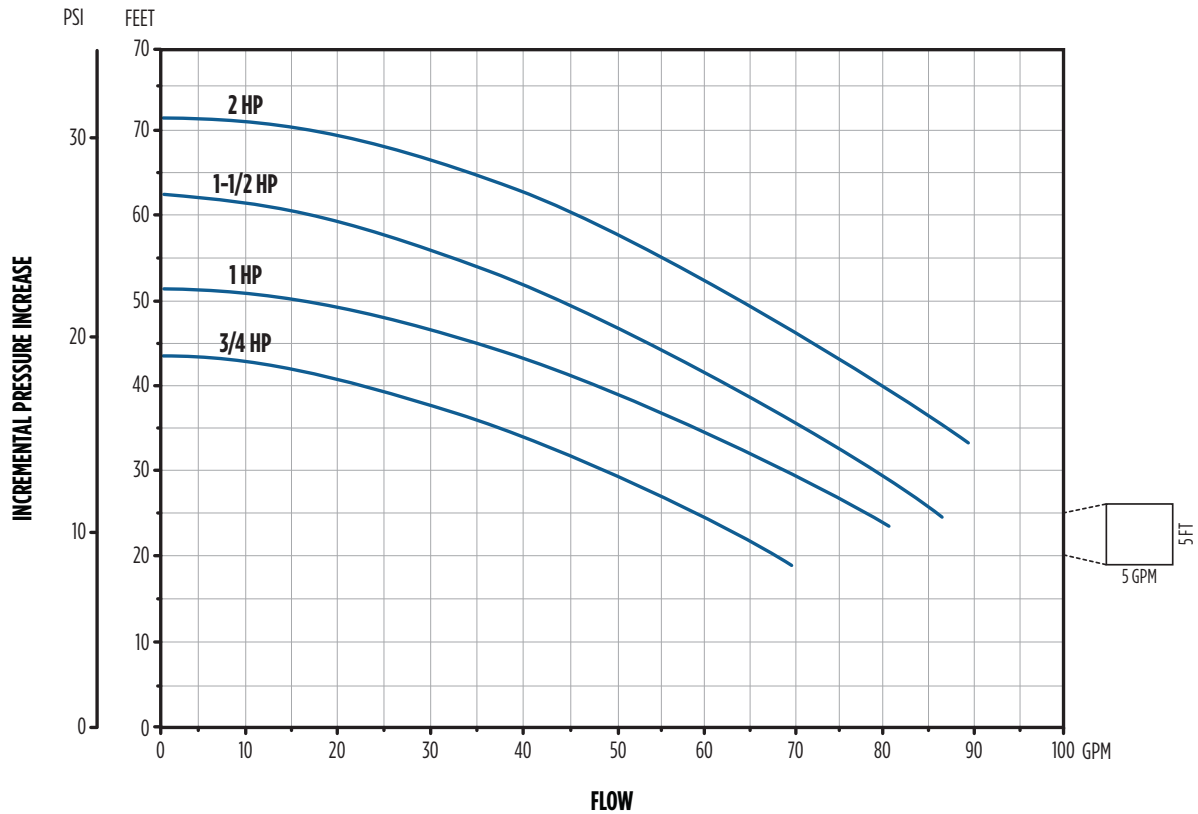
### DIMENSIONS

Model	HP	A	C
S7KM	3/4	14.19"	7.19"
S1KM	1	14.19"	7.19"
S15KM	1-1/2	15.13"	7.69"
S2M	2	15.13"	7.13"



## NON-CORROSIVE TRANSFER PUMPS - S SERIES

### PERFORMANCE



Model	HP	Total Head (ft)						Shut-off Head (ft)
		20	30	40	50	60	70	
		Capacities (GPM)						
S7KM	3/4	68.0	48.0	21.0	-	-	-	43
S1KM	1	-	69.0	47.0	16.0	-	-	51
S15KM	1-1/2	-	79.0	62.0	42.0	66.0	-	62
S2M	2	-	-	80.0	62.0	45.0	17.0	72

## NON-CORROSIVE TRANSFER PUMPS - A SERIES

### FEATURES

- High-tech, non-corrosive plastic construction and stainless steel for components in contact with liquid
- Motor shaft is completely insulated from any contact with pumping liquid
- Standard 2" union connections (ordered separately) ensure easy service and optimum water flow
- Three-way volute discharge port rotates at 90° increments without removing motor
- Lightweight design



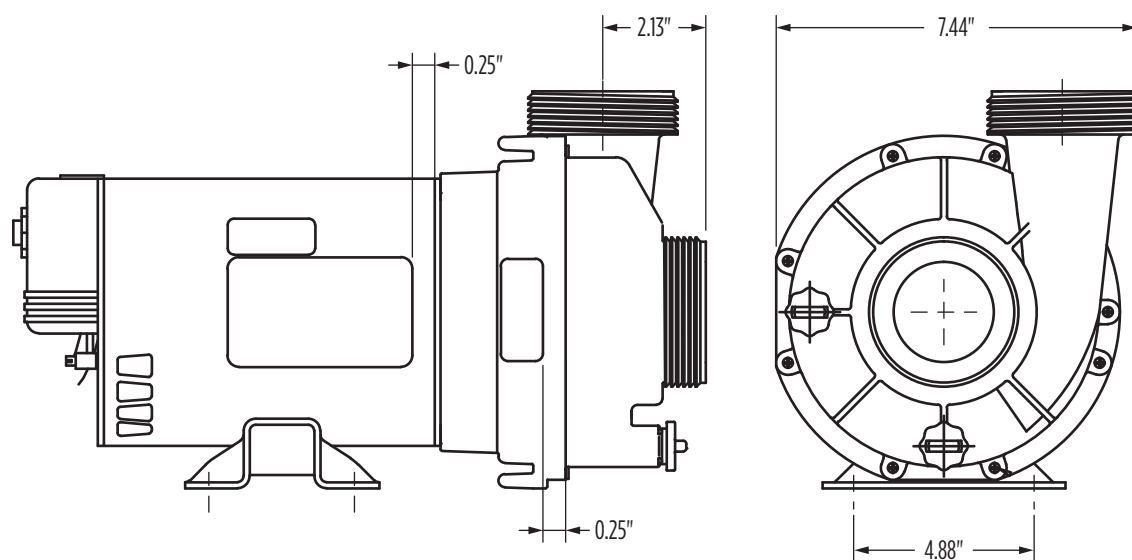
### ORDERING INFORMATION

Model	HP	Dis. x Suc. (MBPT)	Voltage	Order No.	Wt. (lbs)
S2A	2	2" x 2"	115/230	94216151	27
S3A	3		230	94216191	29
S35A	3-1/2		230	94216201	31
S4A	4		230	94216301	35
S45A	4-1/2		230	94216401	39
Fittings kit contains (2) 2" slip x threaded connection union halves				31150109	2

NOTE: Set of union halves must be purchased separately.

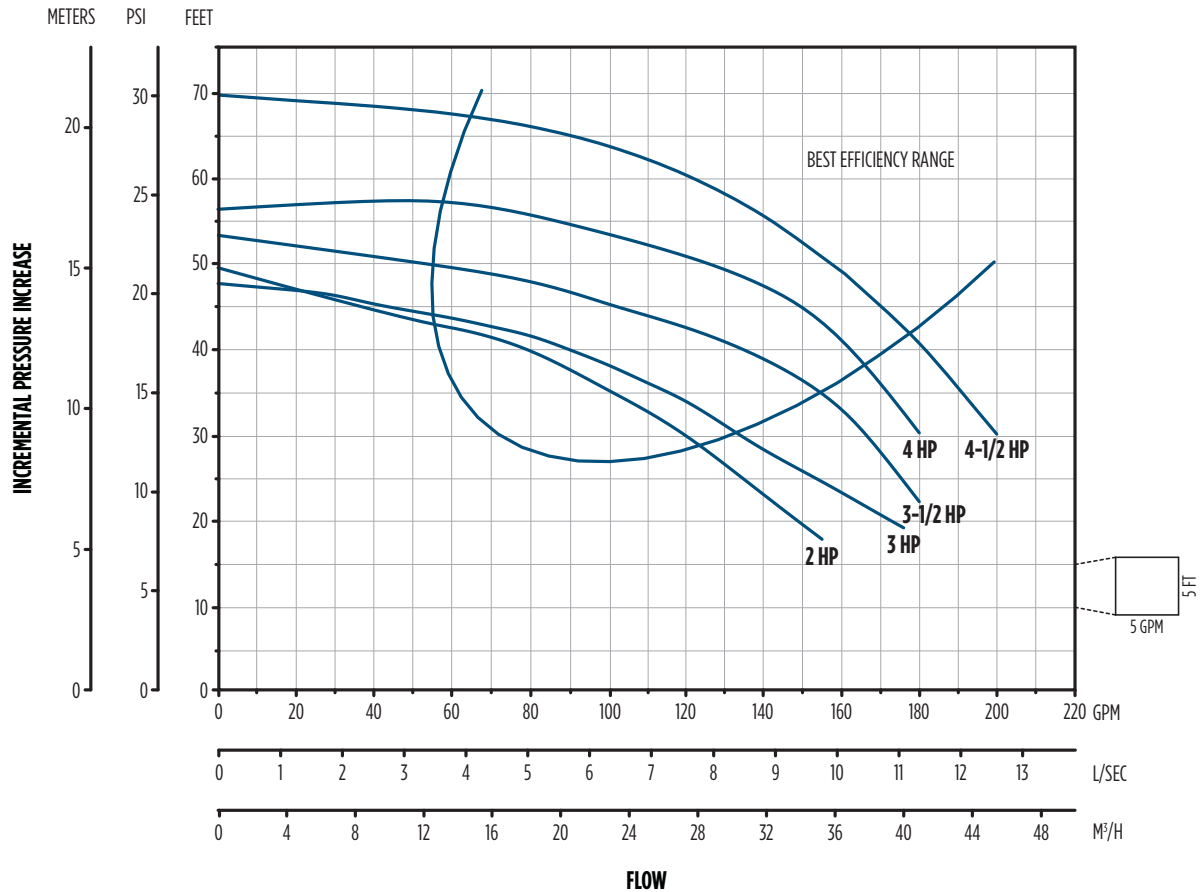
### DIMENSIONS

Model	HP	A	D	E
S2A	2	15.19"	3.38"	7.94"
S3A	3	16.44"	3.38"	8.06"
S35A	3-1/2	16.31"	3.50"	8.06"
S4A	4	16.81"	3.50"	8.06"
S45A	4-1/2	17.50"	3.50"	8.06"



## NON-CORROSIVE TRANSFER PUMPS - A SERIES

### PERFORMANCE



Model	HP	Total Head (ft)					Shut-off Head (ft)
		20	30	40	50	60	
		Capacities (GPM)					
S2A	2	148.0	119.0	78.0	-	-	49
S3A	3	172.0	132.0	89.0	-	-	47
S35A	3-1/2	-	166.0	123.0	48.0	-	53
S4A	4	-	180.0	162.0	120.0	-	56
S45A	4-1/2	-	-	-	180.0	144.0	66



## NON-CORROSIVE TRANSFER PUMPS - JCM SERIES

### FEATURES

- High-tech, non-corrosive plastic construction and stainless steel for components in contact with liquid
- Patented, air-cooled heat sink allows pump to run dry or in loss-of-prime conditions without damage to the shaft seal
- Floating eye seal between the closed impeller and the pump case maximizes pump efficiency for best flow and pressure
- Accepts a standard 1-1/2" union (ordered separately)
- UL and CSA agency listings apply to clean water applications only



### ORDERING INFORMATION

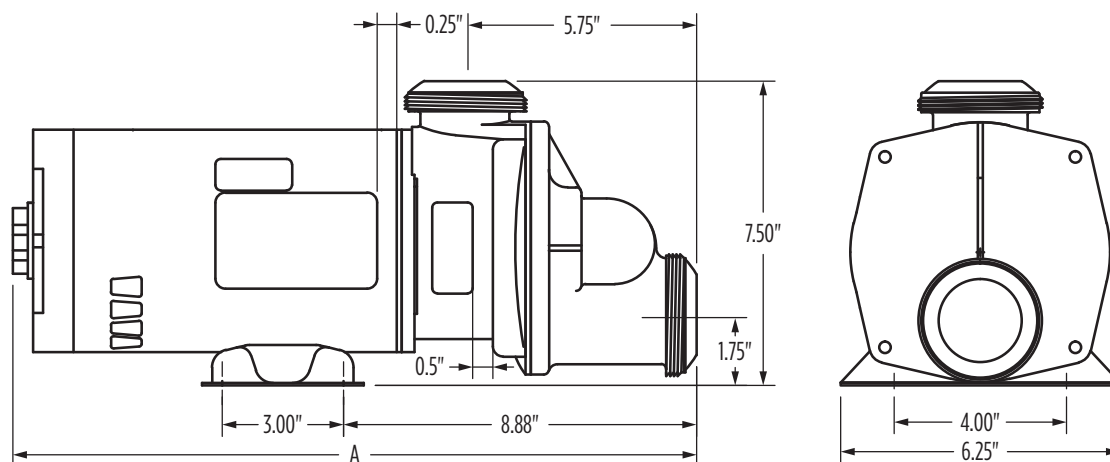
Model	HP	Dis. x Suc. (MNPT)	Voltage	Full Load Amps	Order No.	Wt. (lbs)
S7JCM	3/4	1-1/2" x 1-1/2"	115	9.8	94215696	22
S1JCM	1		115	9.8	94215704	24
S15JCM	1-1/2		115	12.4	94216587	26
S2JCM	2		115/230	16.8/8.4	94215522	35
S7JCM-A3*	3/4		115	10.5	94216405	22
S1JCM-A3*	1		115	10.5	94216421	24
S15JCM-A3*	1-1/2		115	12.4	94216603	26
S2JCM-A3*	2		115	16.0	94216447	35
(2) S15UNS Straight Union					31175608	1

\* Built-in air switch and 3' cord with standard three-prong plug

### DIMENSIONS

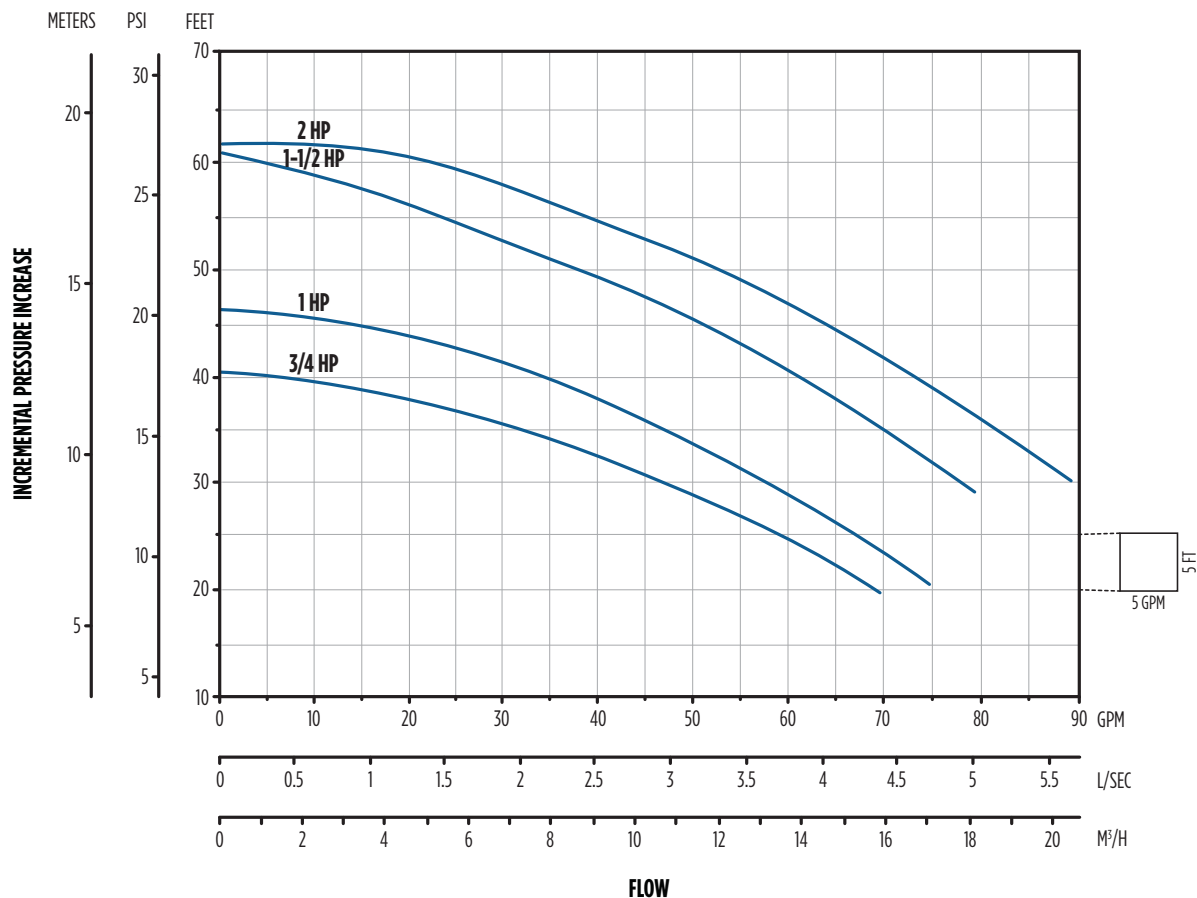
Model	HP	A
S7JCM / S7JCM-A3*	3/4	16.63"
S1JCMt / S1JCM-A3*	1	16.63"
S15JCM / S15JCM-A3*	1-1/2	17.06"
S2JCM / S2JCM-A3*	2	17.06"

NOTE: Dimensions will vary according to motor manufacturer



## NON-CORROSIVE TRANSFER PUMPS - JCM SERIES

### PERFORMANCE



Model	HP	Total Head (ft)					Shut-off Head (ft)
		20	30	40	50	60	
		Capacities (GPM)					
S7JCM / S7JCM-A3*	3/4	70.0	47.0	6.0	-	-	40
S1JCMt / S1JCM-A3*	1	-	57.0	34.0	-	-	46
S15JCM / S15JCM-A3*	1-1/2	-	78.0	61.0	38.0	4.0	61
S2JCM / S2JCM-A3*	2	-	89.0	73.0	53.0	22.0	62





