CENTRIFUGAL PUMPS

CLOSE-COUPLED FAC (3–5 HP)

FPS

FEATURES

- Volute: Cast iron construction; can be rotated for ease of installation; tapped openings for draining
- Impeller: CF8M Stainless Steel construction; enclosed design for high efficiency
- Mechanical Seal: GL-SiC/GL-SiC x FKM elastomers; 300-series stainless steel components
- Motor: 3600 rpm; standard ODP, TEFC JM frame motors
- Mounting: Vertical or horizontal position



SPECIFICATIONS

- Capacities to 150 gpm
- Heads to 160 feet
- 120 psi maximum working pressure
- 212 °F maximum temperature
- Clockwise rotation when viewed from motor end
- NPT pipe connections, 2" x 2"

APPLICATIONS

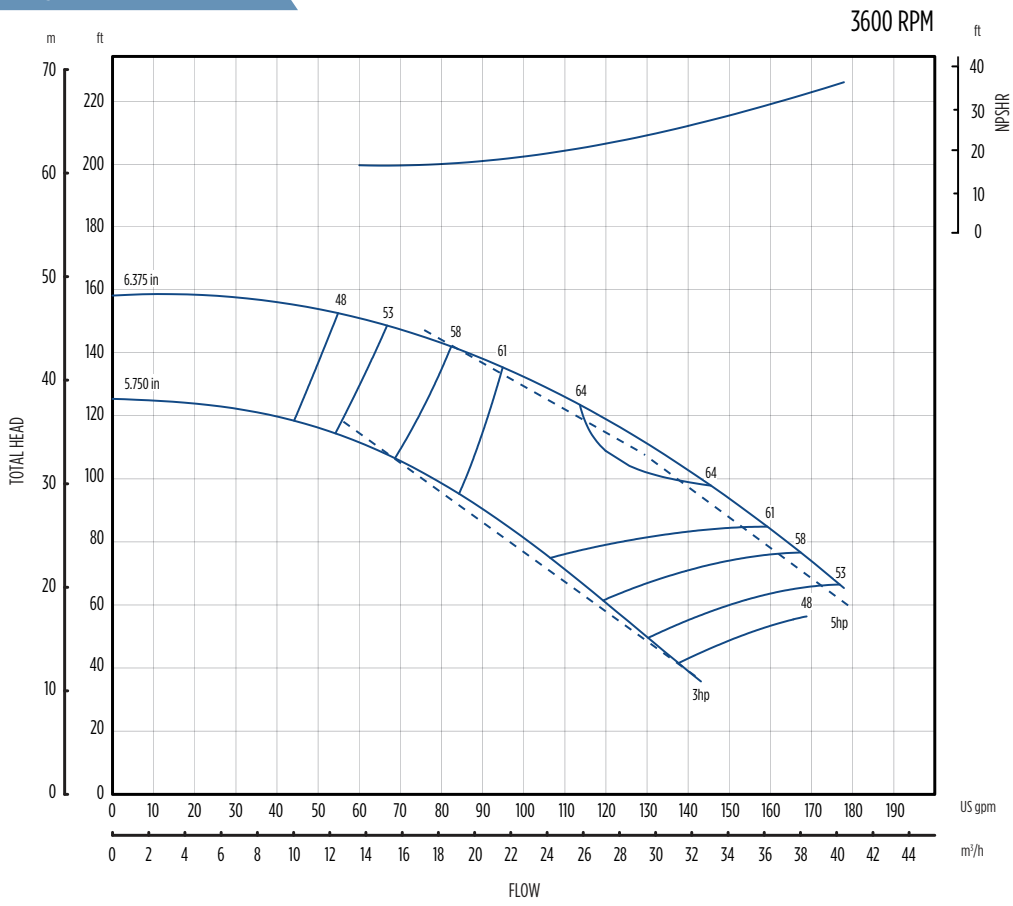
- Water Circulation
- Booster Service
- Liquid Transfer
- Spraying Systems
- Jockey Pump
- General Service

Franklin Electric

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PERFORMANCE



Basic Model	HP	Imp Dia.	PEI	Volute	Impeller	Total Feet of Head														Max (PSI)
						30	40	50	60	70	80	90	100	110	120	130	140	150	160	
						Flow in GPM														
FAC-300	3	5.75	0.97	Cast Iron	S.S.	-	140	130	120	110	100	90	80	62	40	-	-	-	-	54
FAC-500	5	6.38	0.96	Cast Iron	S.S.	-	-	-	-	-	168	153	145	132	120	105	85	60	-	68

ORDERING INFORMATION

Series	Enclosure	PH	Voltage	HP	Motor Fit Code*	Frame	Impeller Trim	Oder No	Model Description	Wt. (lbs.)
FAC 2 x 2 NPT	ODP	1	115/230	3	JM-1	182JM	5.75	90210030	FAC-300S	83
			230	5	JM-1	184JM	6.38	90210050	FAC-500S	134
		3	208-230/460	3	JM-1	145JM	5.75	90213030	FAC-300T	83
				5	JM-1	182JM	6.38	90213050	FAC-500T	129
	TEFC	1	115/230	3	JM-1	182JM	5.75	90210130	FAC-300SE	83
			230	5	JM-1	184JM	6.38	90210150	FAC-500SE	134
		3	208-230/460	3	JM-1	145JM	5.75	90213130	FAC-300TE	83
				5	JM-1	184JM	6.38	90213150	FAC-500TE	129
		3	575	3	JM-1	145JM	5.75	90214130	FAC-300T5E	79
				5	JM-1	184JM	6.38	90214150	FAC-500T5E	124

Refer to Motor Fit Codes with the Dimensions section.

CENTRIFUGAL PUMPS

CLOSE-COUPLED FAC (3–5 HP)

MOTOR DATA

RPM	Encl.	PH	Volts	HP	FLA	Motor Frame*	Motor Code	AK Fit	Shaft	Order No.	Wt. (lbs.)
3600	ODP	1	115/208-230	3	28/14.7-14.0	182JM	JM-1	4.5	0.875	JML1406T	69
			230	5	21	184JM	JM-1	4.5	0.875	JML1409T	81
		3	208-230/460	3	8.0-7.6/3.8	145JM	JM-1	4.5	0.875	EJMM3158T	49
				5	12.4-11.8/5.9	182JM	JM-1	4.5	0.875	EJMM3212T	64
	TEFC	1	115/208-230	3	26.0/14.0-13.0	145JM	JM-1	4.5	0.875	JML3606T	62
			115/230	5	23.0-21.9	184JM	JM-1	4.5	0.875	JML3608T	92
		3	208-230/460	3	7.9-7.2/3.6	145JM	JM-1	4.5	0.875	EJMM3559T	54
			230/460	5	12.8-11.6/5.8	184JM	JM-1	4.5	0.875	EJMM3613T	79
			575	3	2.9	145JM	JM-1	4.5	0.875	EJMM3559T-5	50
				5	4.7	184JM	JM-1	4.5	0.875	EJMM3613T-5	74

**Refer to Motor Fit Codes with the Dimensions section.*

PUMP END KITS

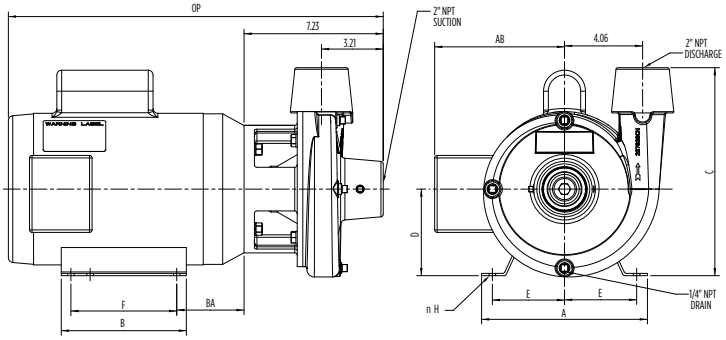
Series	Seal Type	HP	Motor Frame	AK	Shaft Diameter	Motor Code*	Order Number	Description	Kit Trim	Wt. (lbs.)
FAC	MECH	3	143-184JM	4.5	0.875	JM-1	90220030	FAC-300K	5.75	12
		5	143-184JM	4.5	0.875	JM-1	90220050	FAC-500K	6.375	12

**Refer to Motor Fit Codes with the Dimensions section.*

MOTOR FIT CODES WITH DIMENSIONS

Motor Fit	Flange Rabbet	Shaft End Diameter	Shaft Length	Fits Motor
Code	AK	U	AH	Frames
JM-1	4.5	0.875	4.250	143-145-182-184JM

DIMENSIONS



Series	Enclosure	Order no.	Model	HP	PH	Pole	Volts	A	B	C	D	E	F	H	AB	BA	OP
FAC	ODP	90210030	FAC-300S	3	1	2	115/230	8.63	6.50	10.81	4.50	3.75	5.50	0.41	6.75	3.50	19.48
		90213030	FAC-300T	3	3	2	230/460	6.50	5.94	9.81	3.50	2.75	5.00	0.34	5.62	2.88	18.11
		90210050	FAC-500S	5	1	2	115/230	8.63	6.50	10.81	4.50	3.75	5.50	0.41	6.75	3.51	19.48
		90213050	FAC-500T	5	3	2	230/460	8.63	6.50	10.81	4.50	3.75	5.50	0.41	6.74	3.50	19.48
	TEFC	90210130	FAC-300SE	3	1	2	230	8.63	6.50	10.81	4.50	3.75	5.50	0.44	6.87	3.50	25.59
		90213130	FAC-300TE	3	3	2	230/460	6.50	5.94	9.81	3.50	2.75	5.00	0.38	5.74	2.88	19.27
		90214130	FAC-300T5E	3	3	2	575	6.50	5.94	9.81	3.50	2.75	5.00	0.38	5.74	2.88	19.27
		90210150	FAC-500SE	5	1	2	230	8.63	6.50	10.81	4.50	3.75	5.50	0.45	6.87	3.50	22.53
		90213150	FAC-500TE	5	3	2	230/460	8.63	6.50	10.81	4.50	3.75	5.50	0.41	6.87	3.50	21.04
		90214150	FAC-500T5E	5	3	2	575	8.63	6.50	10.81	4.50	3.75	5.50	0.41	6.87	3.50	21.04

NOTE: Dimensions are for estimating purposes only.

MATERIALS AND PARTS

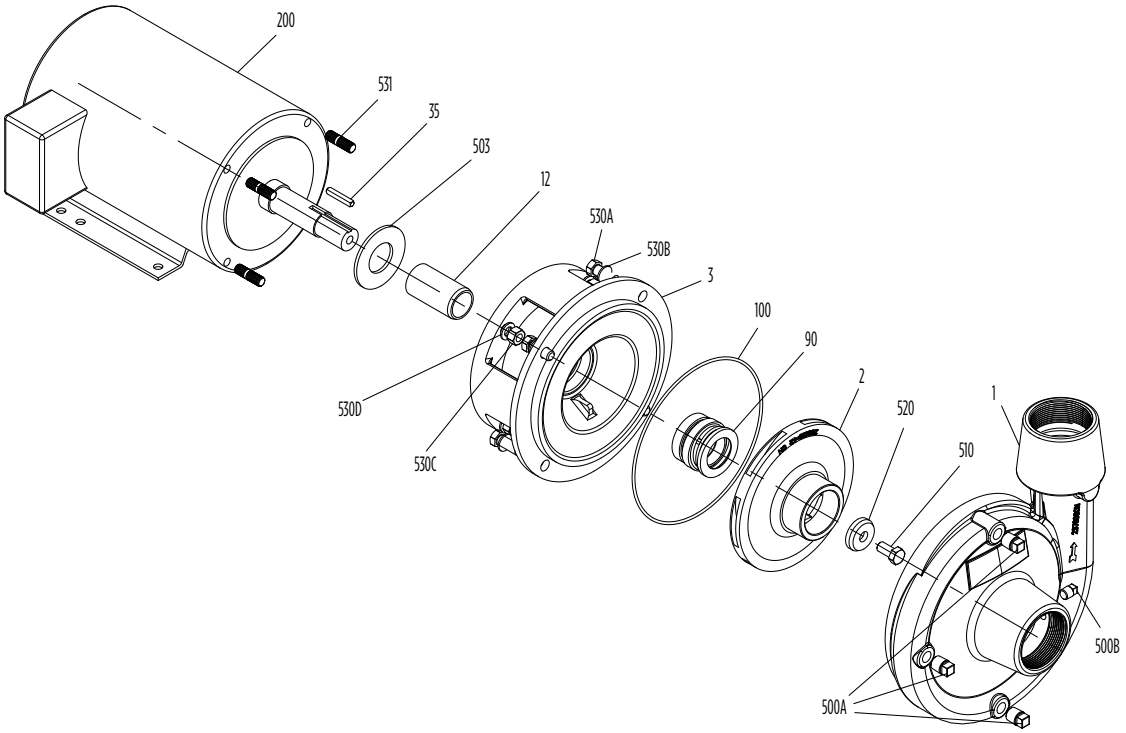


Fig. No.	Part Description	Part No.		Materials of Construction
		FAC-300	FAC-500	
1	Pump Case	305459001		Cast Iron, ASTM-A48 CL30
2	Impeller	305453025	305453026	CF8M Stainless Steel
3	Motor Adapter	305453027		Cast Iron, ASTM-A48 CL30
12	Shaft Sleeve	305458011		416 Stainless Steel
35	Impeller Shaft Key	305453028	305451003	301 Stainless Steel
90	Mechanical Shaft Seal	305457011		Carbon/Ceramic/FKM SS
100	Case O-Ring (2-pack)	305463004		Buna-N
100	Case Gasket *	305453007	305453024	EPDM
200	Motor	See Motor Section		Misc.
503	Water Slinger	305453030		Neoprene
510	Impeller Hex Cap Screw	305463077		316 Stainless-Grade 5
520	Impeller Washer	305448013	305455014	300 Series Stainless Steel
531	Threaded Stud (4-Pack)	305463129		Zinc Plated Steel
500A	Pipe Plug 1/4" (4-Pack)	305463020		Cad-Plated Steel
500B	Pipe Plug 1/8" (4-Pack)	305463009		Cad-Plated Steel
530A	Volute Hex Cap Screw (12-Pack)	305463010		Zinc Plated Steel
530B	Lockwasher - Volute (8-Pack)	305463137		Zinc Plated Steel
530C	Hex Nuts - Motor Adapter (8-Pack)	305463033		Zinc Plated Steel
530D	Lockwasher - Motor Adapter (8-Pack)	305463032		Zinc Plated Steel

** Pumps built before March 2015 use a gasket instead of O-ring.*

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