

# Emerson 56™ C Flange Pool & Spa Motors

## Switchless Design 6.5" Diameter, Categories "C" and "J"



### FEATURES:

- Two Compartment
- 1081 Design
- Open Dripproof
- 303 Stainless Steel Shaft
- Triple Bearing Protection
- Continuous Duty
- Shaft Threads – 7/16-20 UNF-2A
- Sealed Ball Bearings
- Thermally Protected
- Class B Insulated
- 50°C Ambient
- Voltage Selection Device
- Switchless Design
- 6.59 Diameter Frame
- **Discount Symbol: DS-FPS**

### Standard Efficient, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Shaft	Catalog Number	List Price	Frame	Length Less Shaft	Ship Wt. (lbs.)
1/2	1.60	3450	230/115	60	4.4/8.8	Keyed	EB120	135.92	56C	10.27	21
	1.60	3450	230/115	60	4.4/8.8	Threaded	EB126	139.47	56J	10.27	21
3/4	1.50	3450	230/115	60	6.0/12.0	Keyed	EB121	152.63	56C	10.77	24
	1.50	3450	230/115	60	6.0/12.0	Threaded	EB127	155.26	56J	10.77	24
1	1.40	3450	230/115	60	7.0/14.0	Keyed	EB122	174.47	56C	10.77	25
	1.40	3450	230/115	60	7.0/14.0	Threaded	EB128	177.63	56J	10.77	25
1-1/2	1.30	3450	230/115	60	9.0/18.0	Keyed	EB123	234.21	56C	12.02	31
	1.30	3450	230/115	60	9.0/18.0	Threaded	EB129	244.74	56J	12.02	31
2	1.20	3450	230	60	10.5	Keyed	EB124	282.63	56C	11.77	33
	1.20	3450	230	60	10.5	Threaded	EB130	287.63	56J	11.77	33
3	1.15	3450	208-230	60	14.8-13.5	Keyed	EB817	384.21	56C	12.52	39
	1.15	3450	208-230	60	14.8-13.5	Threaded	EB818	388.68	56J	12.52	39
5	1.00	3450	208-230	60	21.0-19.4	Threaded	EB819	421.05	56J	14.27	51

### Standard Efficient, Low Service Factor, Up Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Shaft	Catalog Number	List Price	Frame	Length Less Shaft	Ship Wt. (lbs.)
3/4	1.00	3450	230/115	60	4.4/8.8	Threaded	EB227	139.47	56J	10.27	21
1	1.00	3450	230/115	60	6.0/12.0	Threaded	EB228	155.26	56J	10.77	24
1-1/2	1.00	3450	230/115	60	7.0/14.0	Threaded	EB229	177.63	56J	10.77	25
2	1.00	3450	230/115	60	9.0/18.0	Threaded	EB230	244.74	56J	12.02	31
2-1/2	1.00	3450	230	60	10.5	Threaded	EB231	287.63	56J	11.77	33

### Premium Energy Efficient, Full Service Factor, Full Rated (Suitable for 50 Hz, 1.0 Service Factor)

HP	SF	RPM	Voltage	Freq	SF Amps	Shaft	Catalog Number	List Price	Frame	Length Less Shaft	Ship Wt. (lbs.)
1/2	1.60	3450	208-230/115	60	4.0-3.7/7.4	Keyed	EB656	178.55	56C	10.52	24
	1.60	3450	208-230/115	60	4.0-3.7/7.4	Threaded	EB657	181.18	56J	10.52	24
3/4	1.50	3450	208-230/115	60	5.4-5.0/10.0	Keyed	EB634	196.45	56C	11.02	27
	1.50	3450	208-230/115	60	5.4-5.0/10.0	Threaded	EB638	199.08	56J	11.02	27
1	1.40	3450	208-230/115	60	6.2-5.8/11.6	Keyed	EB653	218.16	56C	11.02	29
	1.40	3450	208-230/115	60	6.2-5.8/11.6	Threaded	EB654	220.79	56J	11.02	29
1-1/2	1.30	3450	208-230/115	60	8.7-7.8/15.6	Keyed	EB795	242.11	56C	12.02	35
	1.30	3450	208-230/115	60	8.7-7.8/15.6	Threaded	EB796	252.63	56J	12.02	35



Extreme E® represents our most efficient running, highest performing lines of motors.

Catalog numbers are for competitive comparison purposes only and do not indicate an affiliation between Emerson and any other company.

Toggle switch cover assembly available for two speed models – LO-OFF-HI – X297576970000

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## Switchless Design 6.5" Diameter, Categories "C" and "J"



HVAC

COOLING  
TOWER DUTY

AIR OVER (TEAO)

REFRIGERATION

INDUSTRIAL AIR  
CIRCULATORSCOMMERCIAL AND  
INDUSTRIAL PUMPSCLOSE COUPLED  
PUMPSPOOL AND SPA  
PUMPS

JET PUMPS

FIRE PUMPS

WASHDOWN

AGRICULTURE

### Premium Energy Efficient, Full Service Factor, Full Rated (Suitable for 50 Hz, 1.0 Service Factor)

HP	SF	RPM	Voltage	Freq	SF Amps	Shaft	Catalog Number	List Price	Frame	Length Less Shaft	Ship Wt. (lbs.)
2	1.20	3450	208-230	60	10.3-9.5	Keyed	EB808	290.53	56C	12.02	34
	1.20	3450	208-230	60	10.3-9.5	Threaded	EB809	295.53	56J	12.02	34
3	1.15	3450	208-230	60	14.8-13.5	Keyed	EB817	384.21	56C	12.52	39
	1.15	3450	208-230	60	14.8-13.5	Threaded	EB818	388.68	56J	12.52	39
4	1.25	3450	280-230	60	21.0-19.4	Threaded	EB116*	447.47	56J	14.27	53
5	1.00	3450	208-230	60	21.0-19.4	Threaded	EB819	421.05	56Y	14.27	51

### Two Speed, Full Service Factor, Full Rated, Soft Start

HP	SF	RPM	Voltage	Freq	SF Amps	Shaft	Catalog Number	List Price	Frame	Length Less Shaft	Ship Wt. (lbs.)
3/4/.10	1.50	3450/1725	115	60	11.2/5.0	Keyed	EB972	252.63	56C	11.02	28
	1.50	3450/1725	115	60	11.2/5.0	Threaded	EB973	255.26	56J	11.02	28
	1.50	3450/1725	230	60	5.8/2.3	Keyed	EB972H	252.63	56C	11.02	28
	1.50	3450/1725	230	60	5.8/2.3	Threaded	EB973H	255.26	56J	11.02	28
1/.12	1.40	3450/1725	230	60	6.8/2.8	Keyed	EB974	265.79	56C	11.27	32
	1.40	3450/1725	230	60	6.8/2.8	Threaded	EB975	268.42	56J	11.27	32
1.5/.20	1.30	3450/1725	230	60	9.4/3.0	Keyed	EB976	305.26	56C	11.77	40
	1.30	3450/1725	230	60	9.4/3.0	Threaded	EB977	307.89	56J	11.77	40
2/.25	1.20	3450/1725	230	60	10.8/3.6	Keyed	EB978	418.42	56C	12.02	45
	1.20	3450/1725	230	60	10.8/3.6	Threaded	EB979	421.05	56J	12.02	45
3/.38	1.15	3450/1725	230	60	13.8/4.0	Threaded	EB966	553.76	56J	12.52	49



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\*B14 flange, metric shaft