



## 1-Phase and 3-Phase Square-Flange Pool Pump Motors



- Enclosure: open dripproof
- Thermal protection: auto, except 3-phase motors have none
- Mounting: flange, horizontal only
- Bearings: ball

Motors are equivalent replacements for most popular pool and spa manufacturers' pumps. Permanent split capacitor and 3-phase motors are single-compartment design. Capacitor-start motors are 2-compartment design. Shaft: 303 stainless steel, 1/2-20 UNF-2A RH external threads. Additional square-flange pump motors are available on Grainger.com®. UL Recognized and CSA Certified.

Note: Must equal or exceed service factor and HP for proper replacement.

HP	Nameplate RPM	Rotation	Phase	Voltage	Full Load Amps	Service Factor	Ins. Class	Efficiency Group	Max. Ambient Temp.	Mfr. Stock No.	Item No.
<b>56Y Frame, Permanent Split Capacitor</b>											
1/2	3450	CCWSE	1	115/208-230	8.8/4.5-4.4	1.90	B	Energy Efficient	50°C	B845	16U451
	3450	CCWSE	1	115/230	10.8/5.4	1.95	F	Standard Efficient	50°C	B2846	6UEV2 *
3/4	3450	CCWSE	1	115/208-230	11.2/6.0-5.6	1.67	F	Standard Efficient	50°C	B2661	16U450
	3450	CCWSE	1	115/230	10.8/5.4	1.25	F	Standard Efficient	50°C	B2852	16U447
1	3450	CCWSE	1	115/230	13.2/6.6	1.25	F	Standard Efficient	50°C	B2853	16U442
	3450	CCWSE	1	115/230	16.0/8.0	1.65	F	Standard Efficient	50°C	B2848	6UEV4 *
	3450	CCWSE	1	115/230	16.0/8.0	1.10	F	Standard Efficient	50°C	B2854	16U440
1 1/2	3450	CCWSE	1	115/230	21.0/10.5	1.50	F	Standard Efficient	50°C	B2858	6FJF3
	3450	CCWSE	1	208-230	9.6-8.8	1.47	F	Standard Efficient	50°C	B2842	16U449
2	3450	CCWSE	1	230	10.0	1.50	B	Standard Efficient	50°C	B849	16U443
	3450	CCWSE	1	115/230	10.0/3.5	1.10	B	Standard Efficient	40°C	B985	16U436
	3450	CCWSE	1	115/230	21.0/10.5	1.10	F	Standard Efficient	50°C	B2859	16U452
2 1/2	3450	CCWSE	1	208-230	11.0/10.2	1.30	F	Standard Efficient	50°C	B2843	16U446
	3450	CCWSE	1	230	10.0	1.10	B	Standard Efficient	50°C	B855	16U441
	3450	CCWSE	1	230	11.5	1.30	F	Standard Efficient	50°C	B2748	6UEV5 *
3	3450	CCWSE	1	230	11.5	1.04	F	Standard Efficient	50°C	B2840	16U448
	3450	CCWSE	1	208-230	15.0-13.6	1.15	F	Standard Efficient	50°C	B2844	16U444
<b>56Y Frame, Capacitor-Start/Run</b>											
3/4	3450	CCWSE	1	115	12.2/2.0	1.67	F	Energy Efficient	50°C	B2981	16U437
1 1/2	3450	CCWSE	1	230	5.8/0.90	1.67	F	Energy Efficient	50°C	B2980	16U439
1 3/4	3450	CCWSE	1	230	7.4/1.4	1.65	F	Energy Efficient	50°C	B2982	16U438
2 1/2	3450	CCWSE	1	230	10.0/1.6	1.47	F	Energy Efficient	50°C	B2983	16U434
3	3450	CCWSE	1	230	11.0/1.8	1.30	F	Energy Efficient	50°C	B2984	16U435
5	3450	CCWSE	1	208-230	15.0-13.3	1.15	B	Standard Efficient	50°C	SQ1302V1	26MP9 *
<b>56Y Frame, 3-Phase</b>											
1/2	3450	CW/CCW	3	208-230/460	3.2-3.0/1.5	1.90	B	Standard Efficient	50°C	H491	4YY42 *
3/4	3450	CW/CCW	3	208-230/460	3.8-3.6/1.8	1.65	B	Standard Efficient	50°C	H492	4YY43 *
1	3450	CW/CCW	3	208-230/460	5.0-4.6/2.3	1.65	B	Standard Efficient	50°C	H635	4YY44 *
1 1/2	3450	CW/CCW	3	208-230/460	6.4-5.8/2.9	1.47	B	Standard Efficient	50°C	H636	4YY45 *
2	3450	CW/CCW	3	208-230/460	7.1-6.8/3.4	1.30	B	Standard Efficient	50°C	H637	4YY46 *
3	3450	CW/CCW	3	208-230/460	9.8-9.6/4.8	1.15	B	Standard Efficient	50°C	H755	4YY47 *
5	3450	CW/CCW	3	208-230/460	10.0/5.0	1.15	B	Standard Efficient	50°C	Q3302V1	16U454
	3450	CW/CCW	3	208-230/460	13.4-13.4/6.7	1.00	B	Standard Efficient	40°C	H995	16U481

\* Motor shafts also have 1/4-20 UNC-2B LH internal threads.



**56Y Frame, Permanent Split Capacitor**



**56Y Frame, Capacitor Start/Run**



**56Y Frame, 3-Phase**

HP	Nameplate RPM	Voltage	Full Load Amps	Service Factor	Efficiency Group	Motor Flange Material	Max. Ambient Temp.	Mfr. Stock No.	Item No.
<b>56C Frame, Capacitor-Start/Run</b>									
1/2	3450	115/230	8.0/4.0	1.60	Energy Efficient	Aluminum	50°C	CK1052	5PE35
3/4	3450	115/230	11.0/5.5	1.50	Energy Efficient	Aluminum	50°C	CK1072	5PE37
1	3450	115/230	13.6/6.8	1.40	Energy Efficient	Aluminum	50°C	CK1102	5PE39
1 1/2	3450	115/230	19.4/9.7	1.30	Energy Efficient	Aluminum	50°C	SK1152	5PE45
2	3450	230	11.2	1.30	Energy Efficient	Aluminum	50°C	SK1202	5PE46
3	3450	208-230	15.0-13.3	1.15	Standard Efficient	Aluminum	50°C	SK1302V1	3CZ46
<b>56C Frame, Permanent Split Capacitor</b>									
1/2	3450	115/208-230	8.2/4.4-4.1	1.50	Energy Efficient	Cast-Iron	50°C	B639	5PB73
	3450	115/230	8.8/4.4	1.60	Standard Efficient	Aluminum	50°C	B120	5PB61
3/4	3450	115/230	12.0/6.0	1.50	Standard Efficient	Aluminum	50°C	B121	5PB62
1	3450	115/208-230	11.8/6.4-5.9	1.40	Energy Efficient	Aluminum	50°C	B653	5PB93
	3450	115/230	14.4/7.2	1.40	Standard Efficient	Aluminum	50°C	B122	5PB63
1 1/2	3450	115/208-230	15.6/8.7-7.8	1.30	Energy Efficient	Aluminum	50°C	B795	5PB97
	3450	115/230	18.4/9.2	1.30	Standard Efficient	Aluminum	50°C	B123	5PB64
2	3450	115/230	21.6/10.8	1.20	Standard Efficient	Aluminum	50°C	B835	16U472
	3450	208-230	10.4	1.20	Energy Efficient	Aluminum	50°C	B808	5PE11
	3450	230	10.5	1.20	Standard Efficient	Aluminum	50°C	B124	5PB65
3	3450	208-230	15.0-13.6	1.15	Energy Efficient	Aluminum	50°C	B817	5PE15
	3450	230	14.1	1.15	Standard Efficient	Aluminum	50°C	B125	16U473
<b>56J Frame, Capacitor-Start/Run</b>									
1/2	3450	115/230	8.0/4.0	1.60	Energy Efficient	Aluminum	50°C	CT1052	5PE40
3/4	3450	115/230	8.0/4.0	1.00	Energy Efficient	Aluminum	50°C	UCT1072	16U479
	3450	115/230	11.0/5.5	1.50	Energy Efficient	Aluminum	50°C	CT1072	5PE41
1 1/2	3450	115/230	17.0/2.3	1.50	Energy Efficient	Aluminum	50°C	STS1102RV1	16U474
1	3450	115/230	11.0/5.5	1.00	Energy Efficient	Aluminum	50°C	UCT1102	16U477
	3450	115/230	13.6/6.8	1.40	Energy Efficient	Aluminum	50°C	CT1102	5PE53
1 1/2	3450	115/230	9.0/3.3	1.30	Energy Efficient	Aluminum	40°C	STS1152R	5PE56
1 1/2	3450	115/208-230	19.6/10.4-9.8	1.47	Energy Efficient	Aluminum	50°C	ST1152	5PE50
	3450	115/230	14.6/7.3	1.00	Energy Efficient	Aluminum	50°C	UCT1152	16U478
2	3450	115/208-230	19.6/10.4-9.8	1.10	Energy Efficient	Aluminum	50°C	UST1202	5PE61
	3450	208-230	12.6-11.4	1.30	Energy Efficient	Aluminum	50°C	ST1202	5PE51
2 1/2	3450	208-230	12.6-11.4	1.06	Energy Efficient	Aluminum	50°C	UST1252	16U476
3	3450	208-230	15.0-13.3	1.15	Standard Efficient	Aluminum	50°C	ST1302V1	2LJF9
<b>56J Frame, Permanent Split Capacitor</b>									
1/2	3450	115/208-230	7.4/4.0-3.7	1.60	Energy Efficient	Aluminum	50°C	B657	16U468
	3450	115/230	8.8/4.4	1.60	Standard Efficient	Aluminum	50°C	B126	5PB66
3/4	3450	115/208-230	10.0/5.4-5.0	1.50	Energy Efficient	Aluminum	50°C	B638	5PB91
	3450	115/230	8.8/4.4	1.00	Standard Efficient	Aluminum	50°C	B227SE	5PB79
	3450	115/230	12.0/6.0	1.50	Standard Efficient	Cast-Iron	50°C	164360	5PB58
	3450	115/230	12.0/6.0	1.50	Standard Efficient	Aluminum	50°C	B127	5PB67
1	3450	115/208-230	11.8/6.4-5.9	1.40	Energy Efficient	Aluminum	50°C	B654	5PB95
	3450	115/230	12.0/6.0	1.00	Standard Efficient	Aluminum	50°C	B228SE	5PB81
	3450	115/230	14.4/7.2	1.40	Standard Efficient	Aluminum	50°C	B128	5PB68
1 1/2	3450	115/230	14.6/4.4	1.10	Energy Efficient	Aluminum	50°C	B969	16U466
	3450	115/208-230	15.6/8.7-7.8	1.30	Energy Efficient	Aluminum	50°C	B796	5PB99
1 1/2	3450	115/230	14.4/7.2	1.00	Standard Efficient	Aluminum	50°C	B229SE	5PB83
	3450	115/230	18.4/9.2	1.30	Standard Efficient	Cast-Iron	50°C	164362	5PB60
	3450	115/230	18.4/9.2	1.30	Standard Efficient	Aluminum	50°C	B129	5PB69
2	3450	115/230	18.4/9.2	1.00	Standard Efficient	Aluminum	50°C	B230SE	5PB85
	3450	115/230	21.6/10.8	1.20	Standard Efficient	Aluminum	50°C	B836	16U471
	3450	208-230	10.4	1.20	Energy Efficient	Aluminum	50°C	B809	5PE13
	3450	230	10.5	1.20	Standard Efficient	Aluminum	50°C	B130	5PB71
2 1/2	3450	230	10.5	1.00	Standard Efficient	Aluminum	50°C	B231SE	5PB87
3, 1/2	3450	115/230	13.8/4.0	1.15	Energy Efficient	Aluminum	40°C	B966	16U465
3	3450	208-230	15.0-13.6	1.15	Energy Efficient	Aluminum	50°C	B818	5PE17
	3450	230	14.1	1.15	Standard Efficient	Aluminum	50°C	B131	16U470



**56C Frame, Permanent Split Capacitor**



**56J Frame, Capacitor Start/Run**



**56J Frame, Permanent Split Capacitor**



## 1-Phase Face-Mount Pool Pump Motors

- Enclosure: open dripproof
- Rotation: CCWSE
- Thermal protection: auto
- Insulation: Class B
- Bearings: ball

Motors are equivalent replacements for most popular pool and spa pump manufacturers' pumps. Sealed switch design prevents water infiltration. Moisture/heat-resistant bearing lubricant.

56C frame shaft: keyed steel, 5/8" dia. x 1 1/8" L with 1/16" W keyway.  
56J frame shaft: 303 stainless steel, 7/16-20 UNF-2A RH threaded 1 1/8" from end.  
All motors are UL Recognized and CSA Certified.

Note: Must equal or exceed service factor and HP for proper replacement.