Pool and Spa Motors

ENERGY SAVINGS ESTIMATOR

Approximate yearly energy savings based on using an Energy Efficient motor in place of a standard pool and spa motor with industry-average efficiency:

"C" Flange Pool Motors

	Hours Per Day Operation					Horse-power	Service Factor	Energy Efficient Models	
	6	8	10	12	24			Century® Brand	A.O. Smith Brand
Yearly Savings*	$20.96	$27.95	$34.94	$41.93	$83.68	1/2	1.60	B656, B657	CT1052
	$20.96	$27.95	$34.94	$41.93	$83.68	3/4	1.00		UCT1072
	$25.56	$34.08	$42.72	$51.24	$102.60	3/4	1.50	B631, B634, B638	CT1072
	$25.56	$34.08	$42.72	$51.24	$102.60	1	1.00		UCT1102
	$24.00	$32.04	$40.08	$48.00	$97.20	1	1.40	B653, B654, B723	CT1102
	$24.00	$32.04	$40.08	$48.00	$97.20	1-1/2	1.00		UCT1152
	$36.84	$49.20	$61.44	$73.80	$147.48	1-1/2	1.30	B750, B795, B796	ST1152
	$46.08	$61.44	$76.92	$92.28	$184.56	2	1.20	B772, B808, B809	ST1202
	$12.00	$16.08	$20.04	$25.20	$48.12	3	1.15	B774, B817, B818	ST1302

Square Flange Pool Motors

	Hours Per Day Operation					Horse-power	Service Factor	Energy Efficient Models	
	6	8	10	12	24			Century® Brand	A.O. Smith Brand
Yearly Savings*	$42.96	$57.24	$71.64	$85.92	$171.84	1/2	1.90	B845	QC1052
	$42.96	$57.24	$71.64	$85.92	$171.84	3/4	1.25	B862SE	UQC1072
	$27.00	$36.00	$45.12	$54.12	$108.36	3/4	1.67	B661	QC1072
	$27.00	$36.00	$45.12	$54.12	$108.36	1	1.25	B863SE	UQC1102
	$41.40	$55.20	$69.00	$82.80	$165.72	1	1.65	B841	QC1102
	$41.40	$55.20	$69.00	$82.80	$165.72	1-1/2	1.10	B864SE	UQC1152
	$49.32	$65.76	$82.32	$98.76	$197.52	1-1/2	1.47	B842	SQ1152
	$49.32	$65.76	$82.32	$98.76	$197.52	2	1.10	B865SE	USQ1202
	$53.40	$71.16	$89.04	$106.80	$213.72	2	1.30	B843	SQ1202
	$53.40	$71.16	$89.04	$106.80	$213.72	2-1/2	1.04	B866SE	USQ1252
	$12.00	$16.08	$20.02	$24.12	$49.20	3	1.15	B844	SQ1302

*Savings based on 10¢ per kwh for easy calculation of savings in your area.
Examples: At 6¢ per kwh, multiply by .6. At 18¢ per kwh, multiply by 1.8.

A.O. SMITH ELECTRICAL PRODUCTS COMPANY

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BEFORE REPLACING THAT SWIM POOL PUMP MOTOR MAKE SURE YOU UNDERSTAND SERVICE FACTOR!

The same horsepower on the nameplate of the replacement may not mean it is the same as the original. To find the maximum horsepower of a motor you must multiply the horsepower times the service factor.

Make sure the replacement motor has a max HP more than or equal to the old motor!

expect something special

THESE TWO MOTORS ARE NOT THE SAME:

USQ1102			
THERMALLY PROTECTED			
MOTOR MOD C48K2PA104A3		SER	
VOLTS 115/230		HP 1	
MAX LOAD	AMPS 14.8/7.4	PH 1	
RPM 3450	FR 48Y	HZ 60	
		SF 1.25	
INSUL CLASS B	AMB 50 °C	TIME RATING	CONT.
TYPE UAC	A.O. SMITH CORP.		

1 HP x 1.25 SF = 1.25 Max HP

SQ1102			
THERMALLY PROTECTED			
MOTOR MOD C48L2PA103A2		SER	
VOLTS 115/230		HP 1	
MAX LOAD	AMPS 19.2/9.6	PH 1	
RPM 3450	FR 48Y	HZ 60	
		SF 1.65	
INSUL CLASS B	AMB 50 °C	TIME RATING	CONT.
TYPE UAC	A.O. SMITH CORP.		

1 HP x 1.65 SF = 1.65 Max HP

THESE TWO MOTORS ARE THE SAME:

SQ1072			
THERMALLY PROTECTED			
MOTOR MOD C48K2PA104A2		SER	
VOLTS 115/230		HP 3/4	
MAX LOAD	AMPS 14.8/7.4	PH 1	
RPM 3450	FR 48Y	HZ 60	
		SF 1.65	
INSUL CLASS B	AMB 50 °C	TIME RATING	CONT.
TYPE UAC	A.O. SMITH CORP.		

.75 HP x 1.65 SF = 1.25 Max HP

USQ1102			
THERMALLY PROTECTED			
MOTOR MOD C48K2PA104A3		SER	
VOLTS 115/230		HP 1	
MAX LOAD	AMPS 14.8/7.4	PH 1	
RPM 3450	FR 48Y	HZ 60	
		SF 1.25	
INSUL CLASS B	AMB 50 °C	TIME RATING	CONT.
TYPE UAC	A.O. SMITH CORP.		

1 HP x 1.25 SF = 1.25 Max HP

Century® Commander★ Centurion®

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