

CONDENSER MOTORS (208/230V)



PROTECH Universal W51 Condenser Motors (208/230V)



The PROTECH Universal W51 motors are a line of HVAC replacement motors, manufactured under strict quality standards at one of the world's largest and most modern motor production facilities. Every motor undergoes a variety of stringent tests before it leaves the assembly line.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
W51-12CJA1-01	1/2	1075	1	208,230	1	60	Reversible	10/370	3.25	1/2	5-5/8	6-1/2	5-1/2	12-1/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-13CJA1-01	1/3	1075	1	208,230	1	60	Reversible	7.5/370	2.50	1/2	5-5/8	6-1/2	5-1/8	11-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-14CJA1-01	1/4	1075	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	6-1/2	4-1/8	10-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-16CJA1-01	1/6	1075	1	208,230	1	60	Reversible	5/370	1.20	1/2	5-5/8	6-1/2	4-1/8	10-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-MHCJA1-01	1/6-1/3	1075	1	208,230	1	60	Reversible	7.5/370	1.92	1/2	5-5/8	6-11/16	4-1/8	10-7/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive



PROTECH Wholesale Condenser Motors (208/230V)



The PROTECH™ series of quality wholesale HVAC motors are designed to fit a variety of common aftermarket applications. Additionally, they are approved as OEM replacements for many Rheem, Ruud, and WeatherKing models; see unit parts lists for cross-reference.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23055-12	1/5	825	1	208,230	1	60	Reversible	5/370	1.30	1/2	5-5/8	3-3/4	4-3/8	8-1/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23055-11	1/5	1075	1	208,230	1	60	Reversible	3/370 (230V), 5/370 (280V)	1.30	1/2	5-5/8	4-1/4	3-9/16	7-13/16	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23054-13	1/4	825	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	3-3/4	4-1/2	8-1/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23054-11	1/4	1075	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	5	4-1/16	9-1/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23054-14	1/4	1075	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	5	4	9	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-23053-13	1/3	1075	1	208,230	1	60	Reversible	5/370	2.50	1/2	5-5/8	5	4-1/2	9-1/2	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-23053-11	1/3	1075	1	208,230	1	60	Reversible	5/370	1.75	1/2	5-5/8	4-1/4	4	8-1/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23053-12	1/3	1075	1	208,230	1	60	Reversible	5/370	2.50	1/2	5-5/8	5	4-9/16	9-9/16	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23052-12	1/2	1075	1	208,230	1	60	Reversible	7.5/370	3.10	1/2	5-5/8	5	4-3/4	9-3/4	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-23052-11	1/2	1075	1	208,230	1	60	Reversible	7.5/370	2.90	1/2	5-5/8	5	5	10	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23052-21	1/2	1075	2	208,230	1	60	Reversible	7.5/370	3.30	1/2	5-5/8	3-3/4	5-3/4	9-1/2	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive



Emerson Wholesale Condenser Motors (208/230V)



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1872H	1/8	825	1	208,230	1	60	Reversible	5/370	0.78	1/2	5-5/8	6	4-1/16	10-19/32	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1875H	1/3	825	1	208,230	1	60	Reversible	5/370	2.40	1/2	5-5/8	6	5-1/16	11-19/32	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1870H	1/2	825	1	208,230	1	60	Reversible	10/370	3.30	1/2	5-5/8	6	5-13/16	12-3/8	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1859	1/6	1075	1	208,230	1	60	Reversible	5/370	0.50	1/2	5-5/8	5	3-13/16	9-3/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
1860	1/4	1075	1	208,230	1	60	Reversible	5/370	1.70	1/2	5-5/8	5	4-1/8	9-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
3323	1/6 - 1/3	1075	1	208,230	1	60	Reversible	7.5/370	2.00	1/2	5-5/8	6-7/8	4-5/16	11	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1861	1/3	1075	1	208,230	1	60	Reversible	7.5/370 (230V), 10/370 (208V)	2.10	1/2	5-5/8	5	4-5/8	10-1/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
1862	1/2	1075	1	208,230	1	60	Reversible	10/370	3.00	1/2	5-5/8	6	5-5/16	11-7/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
1868	3/4	1075	1	208,230	1	60	Reversible	10/370 (230V), 7.5/370 (208V)	4.50	1/2	5-5/8	5	5-13/16	10-5/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive