

MARATHON[®] CONDENSER FAN/HEAT PUMP, THREE PHASE MOTORS

WHAT IF YOU COULD AVOID PREMATURE MOTOR FAILURE?

When operated by a variable frequency drive the power to a motor is a series of positive and negative pulses instead of a smooth sine wave. This flux in pulses to the motor can cause damage to the motor's most vulnerable part, the bearings.

The cost to repair bearings can quickly degrade any energy savings yielded by your variable frequency drive. The potential for costly unplanned downtime can be reduced by purchasing motors with Bearing Current Protection™.

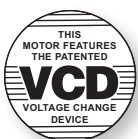
With Bearing Current Protection mounted to the end frame, we have dependable, solidly manufactured motors ready to ship without special modifications or changes needed. Save yourself from premature motor replacement with Marathon condenser fan motors.

APPLICATIONS:

Commercial condenser fans may be installed outdoors. These motors need to be mounted within the airflow of the fan for proper cooling.

FEATURES:

- 70°C ambient (except for X533-P its 60°C)
- Enclosed shaft end bracket, vented frame
- Automatic reset thermal protector
- Nameplate 60/50 hertz 190/380
- Double sealed ball bearings
- 5/8" Dia. X 5" long shaft with flat and keyway
- UL recognized and CSA certified
- External shaft slinger on all
- Continuous duty, air over
- Threaded lead exit
- Patented VCD™ Voltage Change Device
- 4 Locating screws 90 degrees apart, 3.33" from outer edge of shaft slinger only on belly band mounted models
- Shaft ground ring for bearing current protection mounted on opposite shaft end



COMMERCIAL CONDENSER FAN MOTORS

OPEN AIR OVER, BELLY BAND

HP	RPM	VOLTS	FRAME	CAT NO.	MODEL NO.	STOCK	F.L. AMPS	WEIGHT	"C" DIM.
1/2	1140	200-230/460	56Y	X500-P	056T11O15575	√	2.4-2.7/1.35	21	14.01
3/4	1140	200-230/460	56Y	X501-P	056T11O15574	√	3.2-3.2/1.6	24	14.51
3/4	850	208-230/460	56Y	X506-P	056T8O15531	√	3.6-3.6/1.8	39	16.01
1	1140	200-230/460	56Y	X502-P	056T11O15571	√	4.0-4.2/2.1	28	15.01
1	850	200-230/460	56Y	X507-P	056T8O15532	√	5.3-5.3/2.65	46	17.01
1 1/2	1140	200-230/460	56Y	X503-P	056T11O15570	√	5.5-5.4/2.7	35	16.01
1 1/2	850	208-230/460	56Y	X530-P	056T8O15533	√	7.0-6.8/3.4	47	17.01

OPEN AIR OVER, RIGID BASE, SHAFT UP OR HORIZONTAL

HP	RPM	VOLTS	FRAME	CAT NO.	MODEL NO.	STOCK	F.L. AMPS	WEIGHT	"C" DIM.
1/2	1140	208-230/460	56Z	X533-P	056T11O11005	√	2.1-2.0/1.0	20	13.31
1/2	850	208-230/460	56HZ	X529-P	056T8O15530	√	2.6-3/1.5	31	15.01
3/4	1140	208-230/460	56HZ	X512-P	056T11O15572	√	3.2-3.2/1.6	27	14.51
1	1140	208-230/460	56HZ	X513-P	056T11O15573	√	4.0-4.2/2.1	29	15.01
1	850	208-230/460	56HZ	X528-P	056T8O15529	√	4.8-5.3/2.65	49	17.06
1 1/2	1140	208-230/460	56HZ	X523-P	056T11O15569	√	5.4-5.4/2.7	36	16.01
1 1/2	850	208-230/460	56HZ	X531-P	056T8O15534	√	7.0-7.0/3.5	47	17.01

marathon[®]
Motors

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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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