



## JuggerNaut®

# CENTURY® COMMERCIAL/RESIDENTIAL 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. These pulses to the motor can cause damage to the motor bearings, the most vulnerable part of the motor.

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 JuggerNaut® motors.

We have dependable, solidly manufactured motors ready to ship without special modifications or changes needed. Save yourself from premature motor replacement with Century condenser fan motors.

### APPLICATIONS:

Commercial and residential condenser fans and heat pump applications that 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 H1054AV1 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
- 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
- Inverter duty wire for use with variable frequency drives



# THERE'S A JUGGERNAUT® CONDENSER FAN MOTOR FOR EVERY APPLICATION

Century® Juggernaut® Motor Three Phase – Removable Base or Belly Band						Nidec®** VariTough®** Motor		Baldor®** Motor		Dayton®** Motor	
Model	Enclosure	HP	RPM	Voltages	Frame	Model	Encl.	Model	Encl.	Model	Encl.
H1055AV1	OAO	1/2	1140	460/200-230	56HZ	—	—	CFM3136A <sup>◇</sup> / M3539-TP <sup>◇</sup>	ODP	—	—
H1056AV1	OAO	3/4	1140	460/200-230	56HZ	—	—	CFM3146A <sup>◇</sup>	ODP	—	—
H1053AV1	OAO	1	850	460/208-230	56HZ	—	—	—	—	—	—
H1057AV1	OAO	1	850	460/208-230	56Y*	1828V/ 1830V	OAO	—	—	24PR71 <sup>◇</sup>	OAO
H1050AV1	OAO	1	1140	460/208-230	56HZ	1818V	OAO	CFM3156A <sup>◇</sup>	ODP	24PR72 <sup>◇</sup>	OAO
H1054AV1	OAO	1.5	850	460/208-230	56HZ	1832V	OAO	—	—	24PR73 <sup>◇△</sup>	OAO
H1051AV1	OAO	1.5	1140	460/208-230	56HZ	1819V	OAO	CFM3166A <sup>◇</sup>	ODP	24PR74 <sup>◇</sup>	OAO
H1052AV1	OAO	2	1140	460/208-230	56HZ	8987V	OAO	—	—	24PR75 <sup>◇</sup>	OAO
Century Juggernaut Motor Three Phase – Rigid Base						Nidec®** VariTough®** Motor		Baldor®** Motor		Dayton®** Motor	
H1050RBV1	OAO	1	1140	460/208-230	56HZ	1820V	OAO	—	—	24PR78	OAO
H1053RBV1	OAO	1	850	460/208-230	56HZ	1833V	OAO	—	—	24PR77	OAO
H1051RBV1	OAO	1.5	1140	460/208-230	56HZ	1821V	OAO	—	—	24PR80	OAO
H1054RBV1	OAO	1.5	850	460/208-230	56HZ	1831V	OAO	—	—	24PR79 <sup>△</sup>	OAO
H1052RBV1	OAO	2	1140	460/208-230	56HZ	1822V	OAO	—	—	24PR81	OAO

\*No Base

<sup>◇</sup>Belly Band

<sup>△</sup>60° Ambient Temp.



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### APPLICATION CONSIDERATIONS

The proper selection and application of 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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