

REPLACING BALDOR WITH YASKAWA INVERTERS

MACHINE: 42032Fxx ONLY

Parts list for kit KMRBWYI001:

09MWA04574 VARSPEED 45 AMPS 230V

09MV10DBRL RESISTOR DB UNIT 10HP200-230V

30RA175T Thermostat Opens @ 175 Deg.

03 BL1X1 Bracket, Resistor Temp Sensor

03 BC312X BRKT=FJ/P/W 505 INVERTER MTG

03 BF119X PLATE:42F 21AMP INVERTER MTG

When it becomes necessary to replace a Baldor inverter with a Yaskawa / Magnetek inverter, several changes will need to be made. Once the Baldor is removed, you will also need to remove the DC relay. This relay is used for the inverter fault signal to the machine processor.

Install the Yaskawa F7 (09MWA04574) inverter using the necessary brackets (03 BC312X & 03 BF119X). The braking resistors (09MV10DBRL) will be installed under the electrical control box and wired to the inverter using #12awg wire. These wires will connect to the B1 and B2 terminals of the inverter, with the wire from B1 going through the overload base (09F024A) then to the resistors. A 14awg ground-wire should be attached from the resistor box to the machine ground bus. Install the Thermostat (30RA175T) to the bracket, which is located between the resistors and the back of the box. Wire the Normally Closed switch contacts of the thermostat to the coil circuit of the CSVP inverter start contactor.

Wire the controls to the inverter using the schematic for GPD505 / GPD506 that is shown in the schematics for your machine. The only change necessary is the wire that was connected to the "SC" terminal in the GPD505/506 is moved to the "SN" terminal of the F7 inverter. If this is not correctly connected, it could result in a catastrophic failure of the new inverter.

Programming constants can be obtained from our web site at www.milnor.com. Look for the pointer "Support", search the "Technical Knowledge Base" for your machine model number, operating voltage and the inverter model.

If you need further assistance please contact us at (504) 712 7780, or on the web at www.service@milnor.com.

DAD.

Rev 03/02/2005 DAD

Rev 08/02/2011 DAD