

The Application Note is pertinent to the Quantum III DC Drive Family

Universal Spares

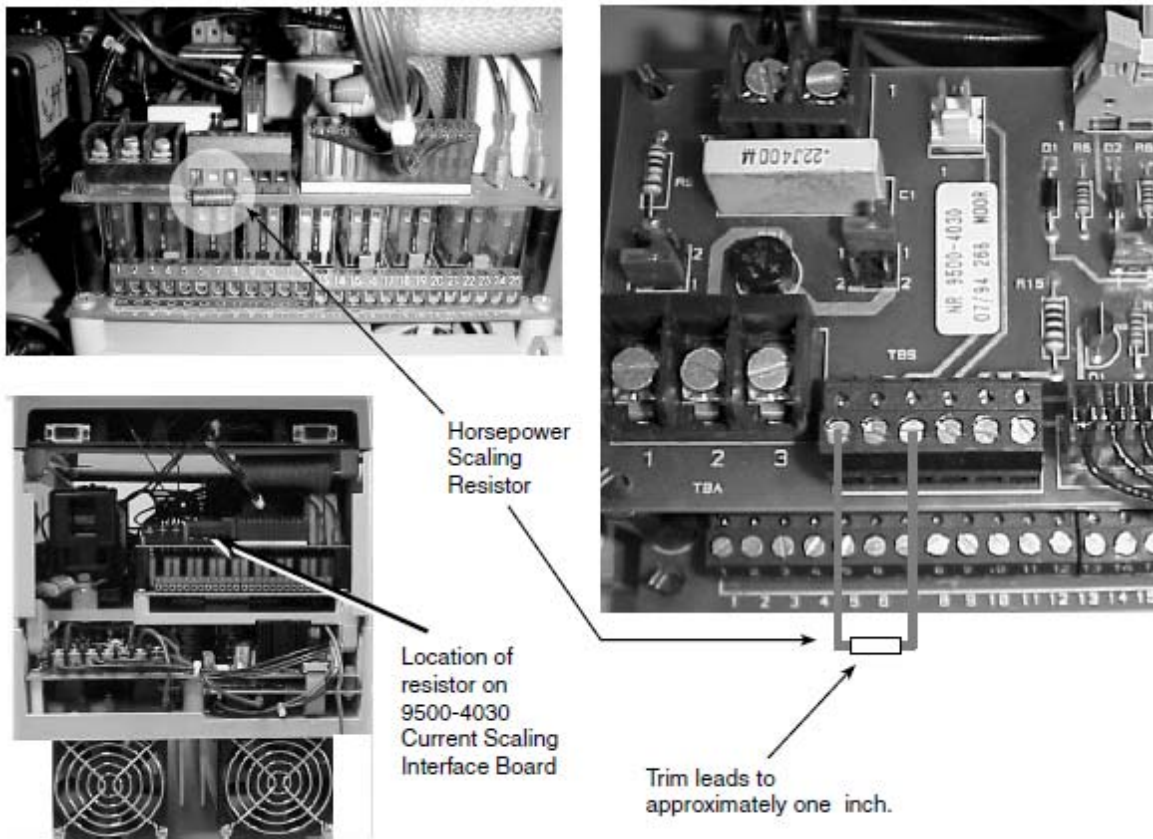
Introduction

If your company or customer uses Quantum III's of various model types, it may be difficult to keep all the various sizes in your spare stock. For Size 1 models (9500-8x02 thru 9500-8x06), the 9500-8606 could be considered a **UNIVERSAL SPARE**. If your company only uses Non-Regenerative models (9500-8302 thru 8306), the 9500-8306 could be considered a Universal Spare for your needs. These 2 models can be made to perform the function of any Size 1 model. This can be accomplished by merely inserting the proper HP scaling resistor into TBS pin 1-3 as indicated from the table below for your particular motor.

| Quantum Model Number | Motor Horsepower* | | Scaling Resistor | | | Resistor Pak Kit P/N |
|-------------------------|-------------------|---------|------------------|--------------|-------------|-------------------------|
| | @240vdc | @500vdc | Value- OHMS | Part No. | Marking | |
| 9500-8x02 | 2.5 | 5 | n/a | n/a | n/a | 9500-6031 |
| | 3 | 7.5 | 127 | 3857-127-3W | 127 | |
| | 5 | 10 | 26.1 | 3857-26R1-3W | 26R1 | |
| | 7.5 | 15 | 14 | 3857-14R0-3W | 14R0 | |
| | 10 | 20 | 9.53 | 3857-9R53-3W | 9R53 | |
| 9500-8x03 | n/a | 25 | 8.06 | 3857-8R06-3W | 8R06 | 9500-6032 |
| | 15 | 30 | 5.9 | 3857-5R9-3W | 5R9 | |
| 9500-8x05 | 20 | 40 | 4.32 | 3857-4R32-3W | 4R32 | 9500-6033 |
| | 25 | 50 | 3.4 | 3857-3R40-3W | 3R40 | |
| | 30 | 60 | 2.8 | 3857-2R80-3W | 2R80 | |
| 9500-8x06 | n/a | 75 | 2.32 | 3857-2R32-3W | 2R32 | 9500-6034 |
| | 40 | n/a | 2 | 3857-2R00-3W | 2R00 | |
| | 50 | 100 | 1.65 | 3857-1R65-3W | 1R65 | |

* One should cross check the Max DC Amps that the Quantum III will deliver against the motors actual nameplate Armature amps.

The Resistor Pak's listed in the rightmost column are available from our Spare Parts Dept.
1-800-367-8067



Questions ?? Ask the Author:

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