

### AC Supply Requirements

Voltage	208 to 480 VAC -5%, +10%
Phase	3Ø
Frequency	45 to 62 Hz
Efficiency	98%
Standard Field Output Voltage	Size 1 – 0.9 X input VAC (Regulated), Size 2-3 – .67 X input VAC (Non-Regulated) Non-Standard Field – Consult Factory
Armature Output Voltage	Non-Regen – 1.15 X input VAC, Regen – 1.05 X input VAC

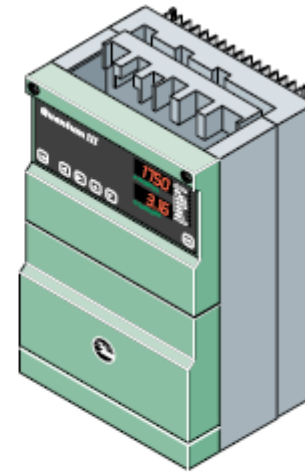
### Control

Feedback Methods	Armature Voltage (resolution .83 volts) DC Tachometer (resolution 0.1%) Encoder (resolution .01%)
Field Control	Current regulated (9500-8306 / 8606 and smaller) Voltage Regulated (9500-8307 / 8607 and larger)
Analog Input Resolution	12-bit (Qty 1), 10-bit (Qty 4)
Serial Communications	4-wire RS422 or RS485, optically-isolated Protocol is ANSI x 3.28-2.5-A4 Baud rate is 4800 or 9600

### Protection

AC Line Undervoltage Trip	180 VAC
MOV Voltage Transient Protection	Input transient suppression
Instantaneous Overcurrent Trip	300% armature current
Armature Open Circuit	Armature circuit is open
Drive Overload Trip	Inverse time, 150% for 30 seconds
Phase Loss Trip	Loss of input phase
Overtemperature Trip	Heatsink exceeds 100°C (212°F)
Motor Thermal Trip	Motor over-temp switch or Thermistor
Feedback Loss	Loss of motor feedback
Feedback Reversal	Tachometer or Encoder wired backwards
Field Loss	No field current
Field On	Field current during auto-tune
Field Overcurrent	Field current greater than field demand
Current Loop Loss	Loss of 4-20 mA reference
External Power Supply	Short circuit on +24 VDC user power supply
Power Supply	Internal power supply out of tolerance
Serial	Mode 3 serial comms data loss

### Dimensions



Size	Order Code	Size* (in) H x W x D	Approx. Weight (lbs.)
1	9500-8302 thru 9500-8303	15 x 10 x 10.5	44
	9500-8602 thru 9500-8603	15 x 10 x 10.5	44
	9500-8305 thru 9500-8306	15 x 10 x 12.3	53
	9500-8605 thru 9500-8606	15 x 10 x 12.3	53
2	9500-8307 thru 9500-8309	35 x 20.3 x 12	110
	9500-8607 thru 9500-8609	35 x 20.3 x 12	110
	9500-8310 thru 9500-8311	36 x 20.3 x 14	155
	9500-8610 thru 9500-8611	36 x 20.3 x 14	155
3	9500-8315 thru 9500-8318	54 x 34 x 19	397
	9500-8615 thru 9500-8618	72 x 34 x 19	475
	9500-8319 thru 9500-8320	54 x 34 x 19	443
	9500-8619 thru 9500-8620	72 x 34 x 19	525

\* Approximate, not to be used for construction purposes.