

## APPENDIX D

### SPECIFICATIONS

**Table D-1 SPECIFICATIONS: 1244 CONTROLLER**

Nominal input voltage	24–36 V, 36–48 V, and 48–80 V
PWM operating frequency	16 kHz
Electrical isolation to heatsink	500 V ac (minimum)
KSI input voltage (minimum)	16.8 V for 24–36 V systems
KSI input current (no contactors engaged)	160 mA without programmer; 200 mA with programmer
Logic input voltage	>7.5 V High; <1 V Low
Logic input current	10 mA
Operating ambient temperature range	-40°C to 50°C (-40°F to 122°F)
Heatsink overtemperature cutback	85°C (185°F)
Heatsink undertemperature cutback	-25°C (-13°F)
Package environmental rating	IP64 / IP67
Weight	3.9 kg (8.5 lb)
Dimensions (L×W×H)	229 × 178 × 81 mm (9.0" × 7.0" × 3.2")

MODEL NUMBER	NOMINAL BATTERY VOLTAGE (volts)	ARMATURE CURRENT LIMIT (amps)	ARMATURE 2 MIN RATING (amps)	ARMATURE 1 HOUR RATING * (amps)	FIELD 2 MIN RATING (amps)
1244-44XX	24–36	400	400	160	60
1244-45XX	24–36	500	500	175	60
1244-46XX	24–36	600	600	190	60
1244-47XX	24–36	700	700 †	190	60
1244-54XX	36–48	400	400	140	50
1244-55XX	36–48	500	500	160	50
1244-56XX	36–48	600	600	160	50
1244-64XX	48–80	400	400	125	50
1244-65XX	48–80	500	500	140	50
1244-66XX	48–80	600	600 †	140	50

\* at 25°C ambient temperature

† 1-minute rating