Specifications

This chapter contains the complete specifications for the IntelliFrame Mainframe. Within each section, the specifications are arranged in functional groups such as: *AC Power Source*, *Secondary Power*, *Cooling*, *Certifications and compliances*, *Environmental*, *Backplane*, *Display System* and *Mechanical*.

All specifications are warranted unless unless labeled *typical*. Typical specifications are provided for your convenience but are not guaranteed. Specifications that are marked with the ✓ symbol are checked in the *Performance Verification* chapter beginning on page 5–1.

***NOTE**. All VX1410A specifications listed in this chapter also apply to VX1411A mainframes that have been upgraded. All VX1420A specifications also apply to upgraded VX1410A and VX1411A mainframes.*

Table 4–1: AC Power Source

Characteristic	Description
Source Voltage	90 V_{RMS} to 250 V_{RMS}, continuous range
Source Frequency	115 V Operation: 45 to 66 Hz or 360 to 440 Hz 230 V Operation: 45 to 66 Hz
Power Consumption	VX1410A:1350 W line power maximum VX1420A:1450 W line power maximum
Fuse Rating	
90 V – 132 V Operation	0.25 in × 1.25 in, Slow Blow, 20 A, 250 V
103 V – 250 V Operation	0.25 in × 1.25 in, Fast Blow, 15 A, 250 V
207 V – 250 V Operation	5 mm × 20 mm, Fast Blow, 6.3 A, 250 V
Inrush Surge Current	70 A maximum
Input Current	VX1410A:15 A maximum at 90 V_{RMS} 6.3 A maximum at 207 V_{RMS} VX1420A:16.5 A maximum at 90 V_{RMS} 6.3 A maximum at 207 V_{RMS}
Power Factor Correction	0.99 @ 60 Hz operation 0.95 @ 400 Hz operation
Power Disconnect	Front Panel On/Standby. No primary switch on rear panel. Power cord provides main power disconnect. The Front Panel On/Standby switch may be disabled for remote operation. Enhanced monitor provides ability to turn the instrument on/off under program control.