

Vanguard® VS-5220-2-18-W

Variable Speed Limit Sign

Model Specifications



Display Technology:	High-intensity LED
Display Cabinet Construction:	Aluminum with stainless steel hardware
Cabinet Access:	Front Access
Display Face:	Louvered Open Face Full Matrix
Variable Speed Digits:	Black numbers on white background
Weight:	100 LBS (45.4 kg)
Dimensions:	5'0" H x 4'0" W (1.52 m x 1.22 m) (Includes Static Panel)
Speed Limit Text:	Black lettering on white background
Operating Temperature Range:	-40° F to +140° F (-40° C to +60° C)
Humidity Range:	0 to 99%, non-condensing
Ventilation:	Forced Air Internal Circulation System
Controller Location:	Internal Controller (Within Sign Cabinet)
Cabinet Environmental Rating:	NEMA 3R
Active Area:	1'9" H x 2'8" W (544 mm x 816 mm)
Pixel Matrix:	16 rows x 24 columns
Pixel Pitch:	1.33" (34 mm)
Character Size:	18" (473 mm)
Digit Capacity:	2 (using a 14x10 font)
Viewing Distance:	1,100 feet (335 meters) using 18" characters
Sign Intensity:	12,400 candelas/m ² minimum
Sign Viewing Angle:	30 degrees
Color Capability:	White or Black (using red, green and blue LEDs)
Max Power:	390 Watts
Typical Power:	350 Watts (see note 1 below)
Power Source:	120 VAC, single-phase power (2 wire plus ground)
Communications Protocol:	NTCIP
Communications Options:	Dial-up, Cellular, Fiber, Ethernet, Radio, RS-232, or RS-422
Structural Design Standard:	AASHTO, 4th Edition
Welding Standard:	AWS D1.2
Brightness Control:	Automatic using built-in light sensor or manual control from a remote location

Notes:

1. Typical power consumption is calculated as 100 percent of the environmental control equipment plus 85 percent of the display's maximum power requirement.
2. Sign front face is highly reflective white vinyl. Other sides are mill finish aluminum.
3. Consistent with Daktronics continuous improvement program, all product features are subject to change.