VANGUARD® VF-20X0-27x90-66-X

Display Technology
Cabinet Access
Cabinet Enclosure
Face Panel
Weight
Dimensions¹

7'11" x 21'7" x 4'0" (2.39 m x 6.56 m x 1.21 m)

Operating Temp. Range -30° F to +165° F (-34° C to +74° C) Humidity Range 0 to 99%, non-condensing

Ventilation Positive pressure, forced-air ventilation system

Controller Location Sign cabinet or equipment cabinet

Display Type Full-matrix (variable text and graphics)

Active Area 5'10" x 19'6" (1.78 m x 5.94 m)

Top/Bottom Border Width 12" (304 mm) Left/Right Border Width 12" (304 mm)

Pixel Matrix 27 rows x 90 columns

Pixel Pitch 66mm (2.6")

Viewing Distance 1,100' (335 m) using 18" characters Sign Intensity Amber 9,200 candelas/m² minimum

Full-color 12,400 candelas/m² minimum (white)

LED Color Amber (590nm ± 5nm)

Full-color (32,000 distinct colors using red, green and blue LE

Power Requirements 120/240 VAC, single-phase power (3-wires plus ground)

Communications Protocol NTCIP 1203

Communications Options Cellular, fiber optic, direct Ethernet and radio Ethernet

Structural Design Standard AASHTO
Welding Standard AWS D1.2

NEMA Standards NEMA TS 4 Section 2 Environmental Requirements

NOTES

- 1. Display cabinet depth measurement includes "Z" mounting brackets on the rear of the cabinet.
- 2. Many other font sizes are available.
- 3. Amps per leg calculation is based on the maximum load of a typical DMS, including a fully-loaded 15A convenie. This value is measured for a 120/240 3W+G system and will vary with auxiliary options installed in the DMS.
- 4. Typical power includes a partially-illuminated LED sign (15% of the amber pixels or 38% of the RGB pixels at full
- 5. Sign front face paint color is semi-gloss black. Other sides are mill finish aluminum.
- 6. With the continuous improvement of all Daktronics products, the features and measurements on this page are sub
- 7. The product illustration on this page is for conceptual purposes only and may not represent the actual dimensions

mber (A) or Full-Color (RGB) Approved for Amber **Power Specifications** Amber RGB Amber Amps RGB Amps Typical Typical Per Lea³ Per Lea³ Model (HxV) Power⁴ Power⁴ VF-2000-27x90-66-A 15° x 15° 20 416 W VF-2020-27x90-66-X 30° x 30° 20 538 W 20 809 W

Sample Character Capacity²

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	Character	Lines/	Example	Interline	Character scing

■ APPROVED

■ RESUBMIT

APPROVED AS NOTED

■ NOT APPROVED

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gv. D.L. Jones , PE

DATE: 2/14/17



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