



VFD

DATE: _____

PROJECT: _____

LOCATION: _____

STANDARD CONSTRUCTION FEATURES:

Built-in 5% line impedance - On board EMI/RFI filter complies with IEC 61800-3 restricted distribution for first environment - Embedded BACnet communications (BTL Certified), along with Modbus/Memobus - Plenum Rated (UL 1995), Seismic Rated (IBC 2006 - Certification 12/2011) - RoHS compliant materials - Time and date stamping for events, timer controls for starting, stopping, and speed changes - Set point for closed loop controls - Independent PI to control an external device - 5-Line 16 character alpha-numeric display, with hands off auto function - 5 kHz carrier frequency with dynamic noise control.

SPECIFICATIONS:

Input Range: 380-480± 10% VAC Three Phase / 48-62Hz
Output Ratings: Output Power 380-480V Three Phase 3-200 HP
Overload Capacity: 110% Overload for 60 sec.
Output Frequency: 0.01~240 Hz
Control Methods: V/Hz Control

Motor Types: Open Loop Current Vector Control for Permanent Magnet motors
Squirrel Cage Induction
Interior Permanent Magnet (IPM)

Protective Design: IP20/NEMA1 (NEMA 3R Cabinet)

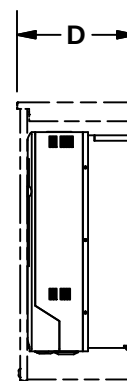
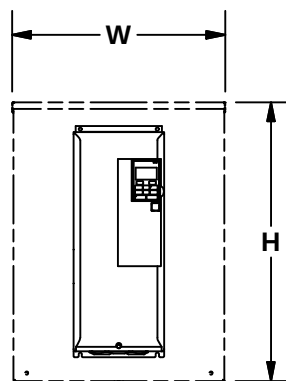
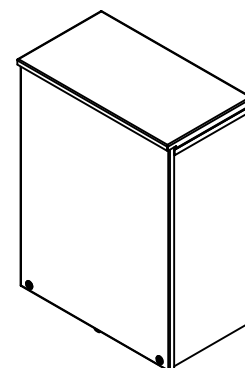
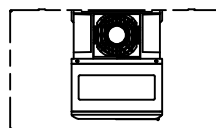
Ambient Operating Temperature: -10°C to 40°C (14°F to 104°F)

Global Certification: CE, UL, CSA, RoHS

Standard I/O:

- (7) multi-function programmable digital inputs (24Vdc)
- (2) multi-function programmable analog inputs (0-10VDC or 4-20mA)
- (1) fault relay output (Form C - 2 Amps at 250Vac max.)
- (3) multi-function programmable relay outputs (Form A - 2 Amps at 250Vac max.)
- (2) multi-function programmable analog outputs (0-10Vdc or 4-20mA)
- (1) 24Vdc, 150 mA transducer or transmitter power supply

Network Communication: Standard: BACnet, RS485/422 - programmable up to 76.8 kbps
Optional: LonWorks, Metasys, APOGEE
FLN, EtherNet/IP



DIMENSION DATA

Catalog No.	Voltage	HP	Output*	H	W	D	Wt.
VY2J15N3RK	460	3	4.8	24	18	10	44
VY2J16N3RK	460	5	7.6	24	18	10	45
VY2J17N3RK	460	7-1/2	11.0	24	18	10	46
VY2J18N3RK	460	10	14.0	24	18	10	48
VY2J19N3RK	460	15	21.0	24	18	10	49
VY2J20N3RK	460	20	27.0	24	18	10	51
VY2J21N3RK	460	25	34.0	24	18	10	61
VY2J22N3RK	460	30	40.0	24	18	10	61
VY2J23N3RK	460	40	52.0	36	30	12	127
VY2J24N3RK	460	50	65.0	36	30	12	132
VY2J25N3RK	460	60	77.0	36	30	12	136
VY2J26N3RK	460	75	96.0	36	30	12	138
VY2J27N3RK	460	100	124.0	36	30	12	169
VY2J28N3RK	460	125	156.0	48	36	18	281
VY2J29N3RK	460	150	180.0	48	36	18	288
VY3J30N3RK	460	200	240.0	48	36	18	295

ALL DIMENSIONS IN INCHES. WEIGHTS IN LBS.

*RATED OUTPUT CURRENT (AMPS)

Accessory Data Sheet

Variable Frequency Drive

HVAC Drive

NEMA 3R Enclosure

YASKAWA Z1000 Series

Three Phase

Size VY2J19N3RG shown.

X1023R00