

MARK: _____
 PROJECT: _____
 DATE: _____

Accessory Data Sheet
Variable Frequency Drive
HVAC Drive
IP20/NEMA 1
YASKAWA Z1000 Series
Three Phase

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:

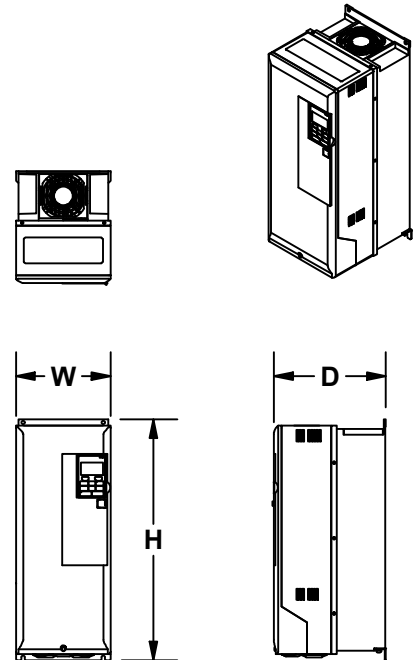
Input Range: 380-480± 10% VAC Three Phase / 48-62Hz
 Output Ratings: Output Power 380-480V Three Phase 3-200 HP
 Overload Capacity: 110% Overload for 60 sec.
 Output Frequency: 0.01~240 Hz
 Control Methods: V/Hz Control

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

Protective Design: IP20/NEMA1
 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



Size VY2J19N1G shown.

DIMENSION DATA

Catalog No.	Voltage	HP	Output*	H	W	D	Wt.
VY2J15N1K	380-480	3	4.8	14.1	4.9	8.6	11.9
VY2J16N1K	380-480	5	7.6	14.1	4.9	8.6	12.6
VY2J17N1K	380-480	7-1/2	11.0	14.1	4.9	8.6	13.4
VY2J18N1K	380-480	10	14.0	17.6	4.9	9.2	16.1
VY2J19N1K	380-480	15	21.0	17.6	4.9	9.2	16.8
VY2J20N1K	380-480	20	27.0	17.6	4.9	9.2	18.5
VY2J21N1K	380-480	25	34.0	20.1	7.9	9.4	28.7
VY2J22N1K	380-480	30	40.0	20.1	7.9	9.4	28.7
VY2J23N1K	380-480	40	52.0	21.3	10.0	10.3	59.5
VY2J24N1K	380-480	50	65.0	21.3	10.0	10.3	63.9
VY2J25N1K	380-480	60	77.0	21.3	10.0	10.3	68.3
VY2J26N1K	380-480	75	96.0	21.3	10.0	10.3	70.5
VY2J27N1K	380-480	100	124.0	27.6	10.9	11.4	101.4
VY2J28N1K	380-480	125	156.0	30.5	13.4	15.7	160.9
VY2J29N1K	380-480	150	180.0	30.5	13.4	15.7	167.6
VY2J30N1K	380-480	200	240.0	30.5	13.4	15.7	174.2

ALL DIMENSIONS IN INCHES. WEIGHTS IN LBS.
 *RATED OUTPUT CURRENT (AMPS)