

VH1 High Horsepower VFD

480VAC 350 to 1500HP
600VAC 450 to 1800HP



The High Horsepower Modular design allows for commonality of parts from 400 to 1600 amp designs. The desired power rating is accomplished by paralleling the individual 400A inverter modules. This slide rail construction allows for ease of maintenance, removal or replacement.

This drive features as standard a non-regenerative diode front end, but is also offered 12, 18 or 24 pulse configurations for reduced harmonics. For overhauling type applications a regenerative front end is available.

The standard configuration in a NEMA 12 FVFF enclosure, although other enclosure types are available. Custom component options include:

- Input Fusing – Circuit Breaker – Input/Output Contactor – Input/Output Reactors
- Auxiliary Power Supplies – Metering/Operating Devices – Isolation Transformer

Modular Power Components Configuration

- ① Converter Module
- ② Inverter Module
- ③ DC Link Reactor
- ④ AC Output Reactor

480V, 800A/700HP
w/ CIRCUIT BREAKER

Voltage Class	480V Class				600V Class				
Model G5HHPB	B0400	B0800	B1200	B1600	C0400	C0800	C1200	C1600	
Current Output (Amps)	CT ⁽¹⁾	414	800	1200	1600	414	800	1200	1600
	VT ⁽²⁾	450	900	1350	1800	450	900	1350	1800
HP ⁽³⁾	CT ⁽¹⁾	350	700	1000	1250	400	800	1250	1500
	VT ⁽²⁾	400	800	1000	1500	450	900	1250	1750
Rated Input Voltage and Frequency	380/400/415/440/460/480VAC 50/60HZ				500/525/575/600VAC 50/60HZ				
Output Frequency	Up to 120 Hz				Up to 120 Hz				
Parallel Inverter Modules (quantity)	1	2	3	4	1	2	3	4	

(1) CT= Constant Torque 150% overload for 60 sec
(2) VT= Variable Torque 120% overload for 60 sec
(3) HP ratings are based on NEMA 4-pole motor data. When sizing a drive to match the motor, use the drive output current rating.