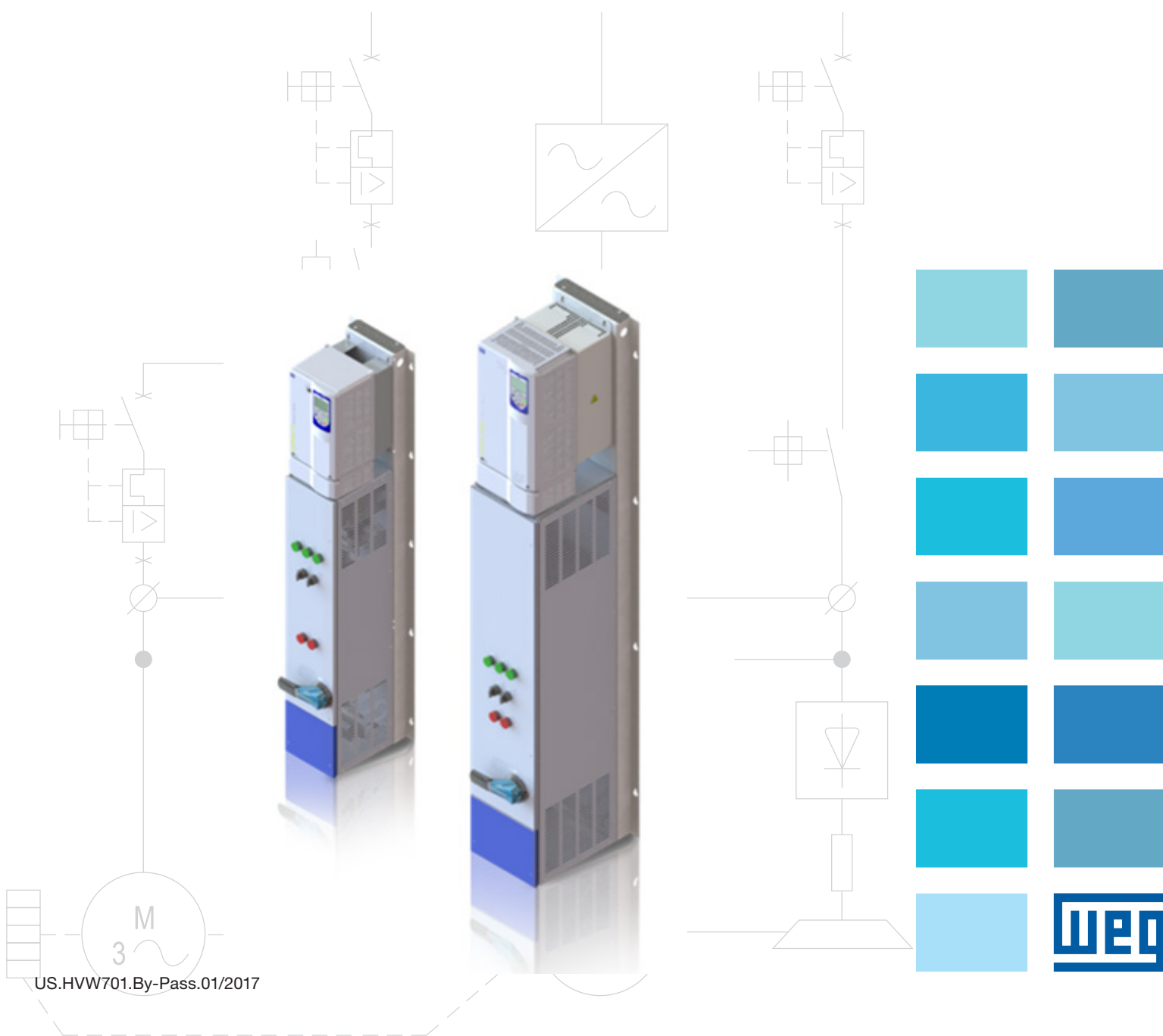


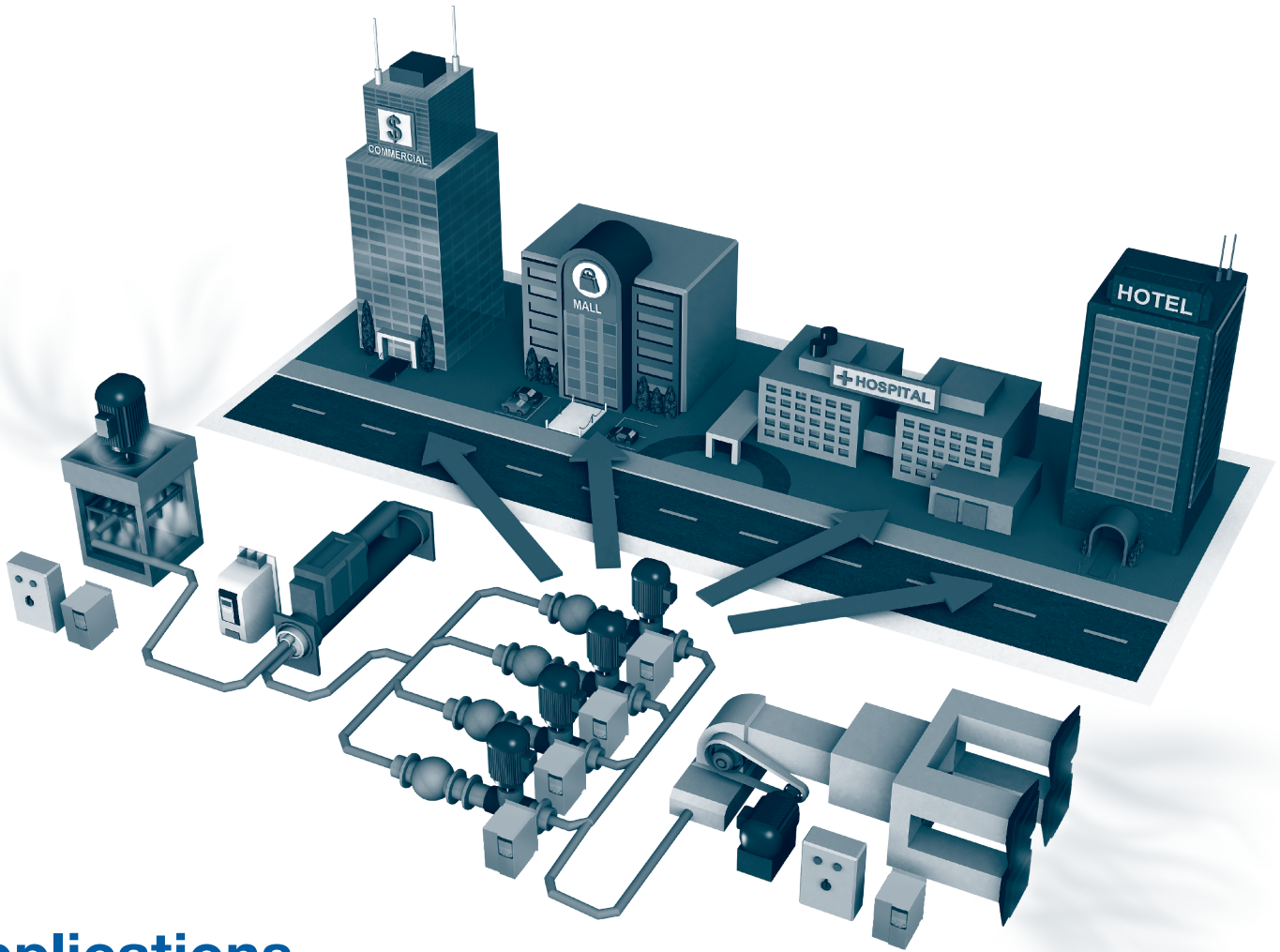
HVW701 HVAC Drive with By-Pass

Designed Especially for
HVAC Systems



WEG HVAC-R Products

WEG, a leading supplier of AC motor control technology and automation products, has enhanced the line of variable frequency drives for heating, ventilation, air conditioning and refrigeration. The WEG HVAC-R Portfolio of products is designed with the features and functions required for HVAC systems, with the same reliability, robustness and energy-efficient control known in our industrial lines. WEG now brings this technology to hospitals, airports, office buildings, hotels, shopping centers as well as other commercial and industrial facilities.



Applications

- Hospitals
- Airports
- Shopping Malls
- Sports Facilities
- Schools and Universities
- Hotels and Restaurants
- Condominium and Residential
- Municipal and Commercial Buildings
- Chillers and Compressors
- Cooling Towers
- Boiler Circulation Pumps
- Chill Water Circulation Pumps
- Exhaust Fans
- Clean Room Air Handling
- Tunnel Ventilation

WEG HVAC-R Products

Drive Features

- RFI filter built-in for all frame sizes
- BACnet, Metasys N2 and Modbus-RTU embedded using the RS-485 port
- Thermal Management for drive fan control
- Soft PLC Function
- Process feedback in engineering units
- Direct/Reverse PID Control Selection
- Control Set point

Performance Features

- Overload capacity: nominal 110% for 60sec. (150% peak)
- Adjustable accel/decel: 0.0 to 900.0 Sec.
- Controlled speed range: 1:20
- Critical frequency avoidance: 3 selectable, adjustable bands
- Torque-limiting: 30-180%
- Torque boost: full range, automatic
- Fault Auto-Reset with programmable time interval
- Feedback signal loss detection
- Serial communications loss detection
- “Up/Down” floating point control capability (PI)
- Sleep function
- Run-permissive input

Drive and Motor Protection Features

- Current-limited stall prevention
- Heat sink over-temperature, speed fold-back
- Bi-directional start into rotating motor
- Optically-isolated controls
- Output short circuit protection: Phase-phase and phase-neutral
- Output Ground Fault Protection
- Electronic motor overload: UL
- Fault display: last 10 faults

Control Features

Power Saving Flux Optimization - (Energy Saving Algorithm) Stator flux is controlled so that motor losses are reduced increasing motor efficiency

Fire Mode – Forces the drive to override its internal faults and protections, allowing the drive and motor to run during extreme conditions

Dry Pump – Monitors motor torque and prevents the pump from running with no load

Sleep / Wake-Up Mode – Prevents prolonged motor operation at low speeds for a programmable amount of time. Wake-up mode determines when the drive and motor resume normal operation

Bypass function – Allows the VFD to be by-passed and the motor to be run across the line

Short Cycling Protection – Prevents repetitive motor restarting after short periods of time

Broken Belt Protection – Monitors motor torque preventing it from running with no load in case of a broken belt or coupling

Filter Maintenance Alarm – A warning for filter maintenance is displayed on the keypad based on an adjustable time interval (time is programmed in the drive)

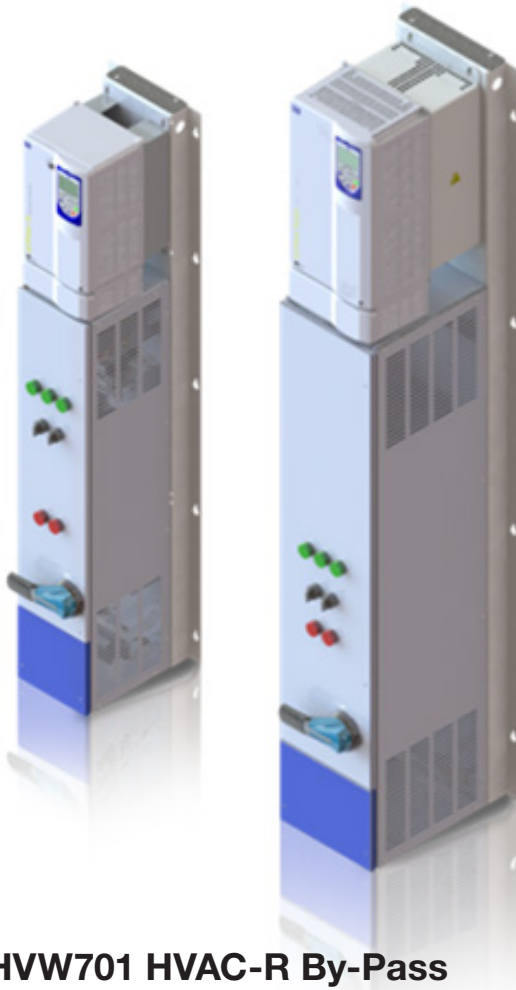
PTC function – Using drive I/O, PTC thermal sensors can be monitored to prevent motor overheating

Main PID Controller – Internal PID loops available for drive control



HVW701 HVAC-R By-Pass

The WEG HVW701 HVAC-R By-Pass system is comprised of the CFW701 Variable Frequency Drive with integral By-Pass. It is designed for heating, ventilation, air conditioning and refrigeration systems where continued operation is critical and space is at a premium. The HVW701 is designed to provide reliable and energy-efficient control for applications in office buildings, hospitals, airports, hotels, shopping centers or other similar facilities.



HVW701 HVAC-R By-Pass

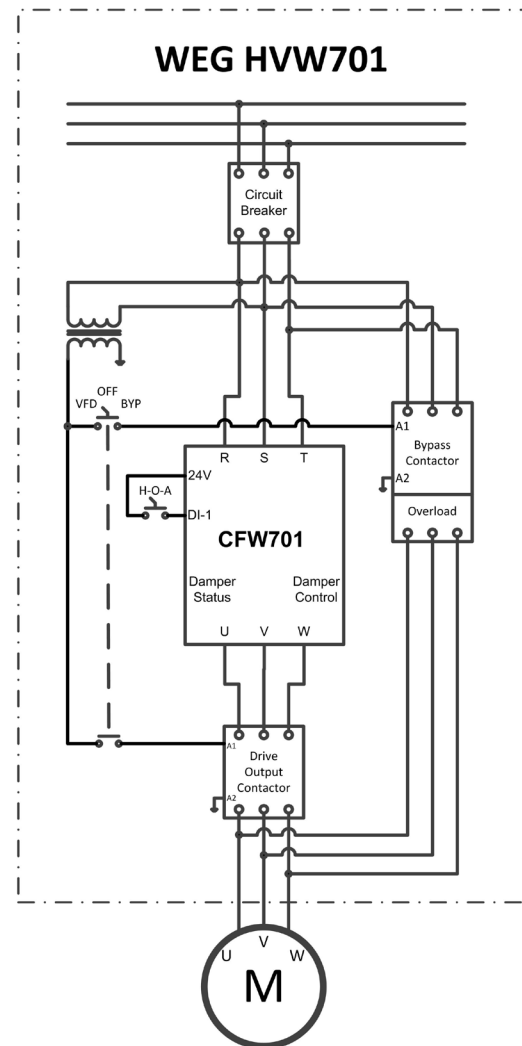
Available Configurations

Frame A, B and C

- NEMA 1 with 3-Contactor By-Pass
- NEMA 1 with 2-Contactor By-Pass
- NEMA 1 with Circuit Breaker Only
- NEMA 1 with 3-Contactor By-Pass and 65kAIC CB
- NEMA 1 with 2-Contactor By-Pass and 65kAIC CB
- NEMA 1 with Circuit Breaker Only and 65kAIC CB

Frame D and E

- NEMA 12 or 3R with 3-Contactor By-Pass
- NEMA 12 or 3R with 2-Contactor By-Pass
- NEMA 12 or 3R with Circuit Breaker Only

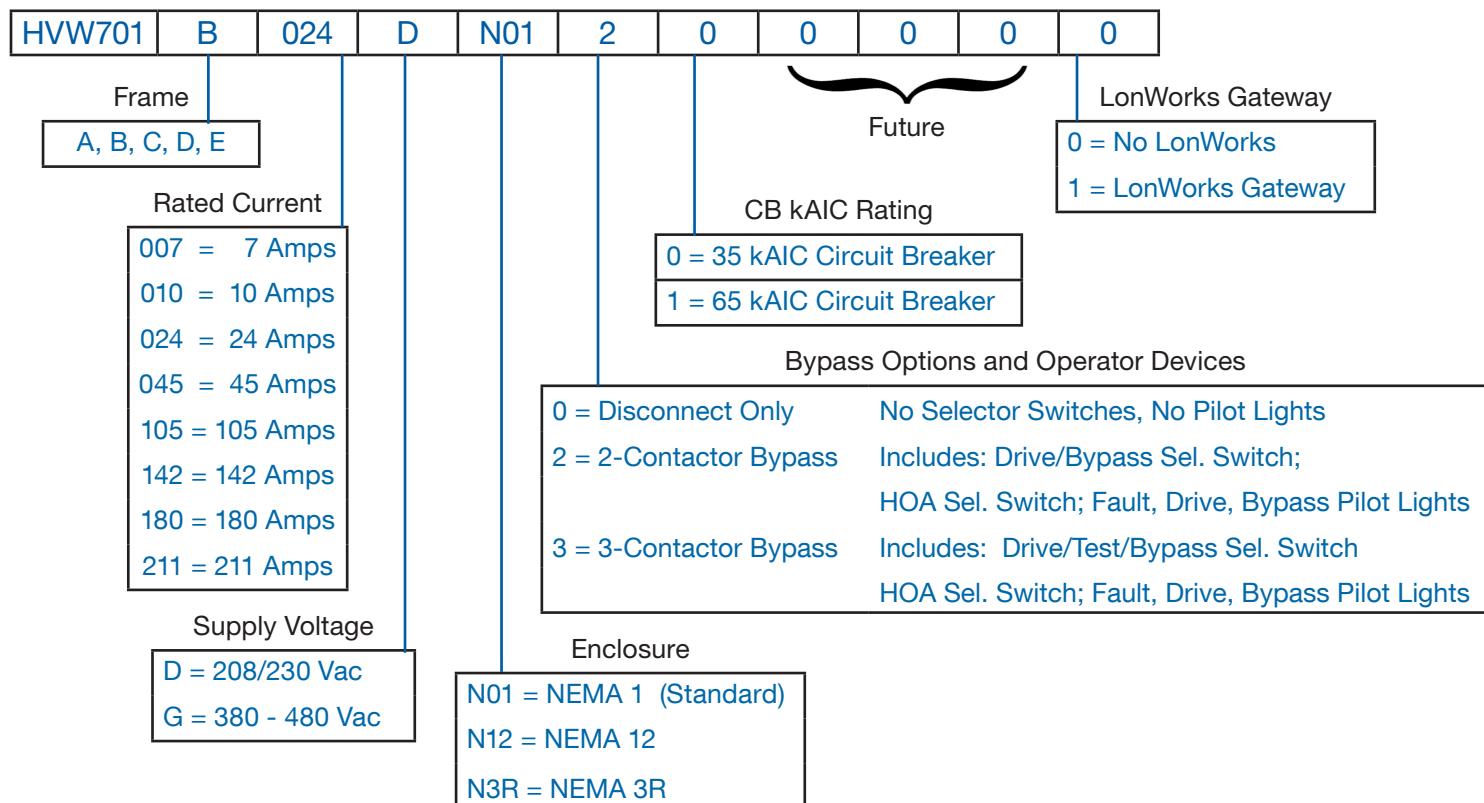


2-Contactor By-Pass Example

HVW701

HAVC Drive Panel with By-Pass - NEMA 1 Enclosure

HVW701 Catalog Number Sequence



HVW701

HVAC Drive Panel - NEMA 1 Enclosure - Disconnect Only

Motor Voltage	ND / VT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ₆	List Price	Multiplier	
	Motor HP ²	Drive Amps ³									
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor										
	2	7.0	HVW701A007DN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,610	V3	
	3	10	HVW701A010DN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,627	V3	
	5	13	HVW701A013DN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,654	V3	
	5	16	HVW701A016DN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,697	V3	
	7 1/2	24	HVW701B024DN01000000	Yes	B	HV1	36 x 7.8 x 15	82	\$3,005	V3	
	10	28	HVW701B028DN01000000	Yes	B	HV1	36 x 7.8 x 15	82	\$3,279	V3	
	10	33.5	HVW701B033DN01000000	Yes	B	HV1	36 x 7.8 x 15	82	\$3,525	V3	
	15	45	HVW701C045DN01000000	Yes	C	HV2	43.9 x 9 x 16	129	\$3,755	V3	
	20	54	HVW701C054DN01000000	Yes	C	HV2	43.9 x 9 x 16	129	\$4,767	V3	
	25	70	HVW701C070DN01000000	Yes	C	HV2	43.9 x 9 x 16	129	\$5,738	V3	
	30	86	HVW701D086DN01000000	Yes	D	ED3	36 x 30 x 14	230	\$6,687	V3	
	40	105	HVW701D105DN01000000	Yes	D	ED3	36 x 30 x 14	240	\$10,405	V3	
	Input Power Supply: Three-Phase 220-240 Vac without Dynamic Braking Transistor										
	50	142	HVW701E142DN01000000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$12,301	V3	
	60	180	HVW701E180DN01000000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$12,658	V3	
	75	211	HVW701E211DN01000000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$20,126	V3	
	460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor									
		2	3.6	HVW701A003GN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,358	V3
3		5.0	HVW701A005GN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,371	V3	
5		7.0	HVW701A007GN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,534	V3	
7 1/2		10	HVW701A010GN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,867	V3	
10		13.5	HVW701A013GN01000000	Yes	A	HV1	36 x 7.8 x 15	71	\$2,972	V3	
10		17	HVW701B017GN01000000	Yes	B	HV1	36 x 7.8 x 15	82	\$3,073	V3	
15		24	HVW701B024GN01000000	Yes	B	HV1	36 x 7.8 x 15	82	\$3,637	V3	
20		31	HVW701B031GN01000000	Yes	B	HV1	36 x 7.8 x 15	82	\$4,283	V3	
25		38	HVW701C038GN01000000	Yes	C	HV2	43.9 x 9 x 16	129	\$5,114	V3	
30		45	HVW701C045GN01000000	Yes	C	HV2	43.9 x 9 x 16	129	\$5,626	V3	
40		58.5	HVW701C058GN01000000	Yes	C	HV2	43.9 x 9 x 16	129	\$5,813	V3	
50/60		70.5	HVW701D070GN01000000	Yes	D	ED3	36 x 30 x 14	230	\$7,502	V3	
75		88	HVW701D088GN01000000	Yes	D	ED3	36 x 30 x 14	240	\$10,661	V3	
Input Power Supply: Three-Phase 460-480 Vac without Dynamic Braking Transistor											
75		105	HVW701E105GN01000000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$20,951	V3	
100/125		142	HVW701E142GN01000000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$22,376	V3	
150		180	HVW701E180GN01000000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$26,852	V3	
175		211	HVW701E211GN01000000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$29,847	V3	

Notes:

- 1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) HV1 and HV2 enclosures are NEMA Type 1 ventilated and wall-mounted; ED3 and ED4 are non-ventilated and wall-mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

CFW701

HVAC Drive Panel - NEMA 1 Enclosure

Disconnect Only with LonWorks Communication Module

Motor Voltage	ND / VT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier
	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor									
	2	7.0	HVW701A007DN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,710	V3
	3	10	HVW701A010DN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,727	V3
	5	13	HVW701A013DN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,754	V3
	5	16	HVW701A016DN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,797	V3
	7 1/2	24	HVW701B024DN01000001	Yes	B	HV1	36 x 7.8 x 15	82	\$4,105	V3
	10	28	HVW701B028DN01000001	Yes	B	HV1	36 x 7.8 x 15	82	\$4,379	V3
	10	33.5	HVW701B033DN01000001	Yes	B	HV1	36 x 7.8 x 15	82	\$4,625	V3
	15	45	HVW701C045DN01000001	Yes	C	HV2	43.9 x 9 x 16	129	\$4,855	V3
	20	54	HVW701C054DN01000001	Yes	C	HV2	43.9 x 9 x 16	129	\$5,867	V3
	25	70	HVW701C070DN01000001	Yes	C	HV2	43.9 x 9 x 16	129	\$6,838	V3
	30	86	HVW701D086DN01000001	Yes	D	ED3	36 x 30 x 14	230	\$7,787	V3
	40	105	HVW701D105DN01000001	Yes	D	ED3	36 x 30 x 14	240	\$11,505	V3
	Input Power Supply: Three-Phase 220-240 Vac without Dynamic Braking Transistor									
	50	142	HVW701E142DN01000001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$13,401	V3
	60	180	HVW701E180DN01000001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$13,758	V3
	75	211	HVW701E211DN01000001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$21,226	V3
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor									
	2	3.6	HVW701A003GN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,458	V3
	3	5.0	HVW701A005GN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,471	V3
	5	7.0	HVW701A007GN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,634	V3
	7 1/2	10	HVW701A010GN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$3,967	V3
	10	13.5	HVW701A013GN01000001	Yes	A	HV1	36 x 7.8 x 15	71	\$4,072	V3
	10	17	HVW701B017GN01000001	Yes	B	HV1	36 x 7.8 x 15	82	\$4,173	V3
	15	24	HVW701B024GN01000001	Yes	B	HV1	36 x 7.8 x 15	82	\$4,737	V3
	20	31	HVW701B031GN01000001	Yes	B	HV1	36 x 7.8 x 15	82	\$5,383	V3
	25	38	HVW701C038GN01000001	Yes	C	HV2	43.9 x 9 x 16	129	\$6,214	V3
	30	45	HVW701C045GN01000001	Yes	C	HV2	43.9 x 9 x 16	129	\$6,726	V3
	40	58.5	HVW701C058GN01000001	Yes	C	HV2	43.9 x 9 x 16	129	\$6,913	V3
	50/60	70.5	HVW701D070GN01000001	Yes	D	ED3	36 x 30 x 14	230	\$8,602	V3
	75	88	HVW701D088GN01000001	Yes	D	ED3	36 x 30 x 14	240	\$11,761	V3
	Input Power Supply: Three-Phase 460-480 Vac without Dynamic Braking Transistor									
	75	105	HVW701E105GN01000001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$22,051	V3
	100/125	142	HVW701E142GN01000001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$23,476	V3
150	180	HVW701E180GN01000001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$27,952	V3	
175	211	HVW701E211GN01000001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$30,947	V3	

Notes:

- 1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) HV1 and HV2 enclosures are NEMA Type 1 ventilated and wall-mounted; ED3 and ED4 are non-ventilated and wall-mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

HVW701

HVAC Drive Panel - NEMA 1 Enclosure - 2-Contactor Bypass

Motor Voltage	ND / VT1		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier
	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor									
	2	7.0	HVW701A007DN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$2,851	V3
	3	10	HVW701A010DN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$2,859	V3
	5	13	HVW701A013DN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$2,888	V3
	5	16	HVW701A016DN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$2,920	V3
	7 1/2	24	HVW701B024DN01200000	Yes	B	HV1	36 x 7.8 x 15	87	\$3,247	V3
	10	28	HVW701B028DN01200000	Yes	B	HV1	36 x 7.8 x 15	87	\$3,556	V3
	10	33.5	HVW701B033DN01200000	Yes	B	HV1	36 x 7.8 x 15	87	\$3,832	V3
	15	45	HVW701C045DN01200000	Yes	C	HV2	43.9 x 9 x 16	133	\$4,185	V3
	20	54	HVW701C054DN01200000	Yes	C	HV2	43.9 x 9 x 16	133	\$5,280	V3
	25	70	HVW701C070DN01200000	Yes	C	HV2	43.9 x 9 x 16	133	\$6,349	V3
	30	86	HVW701D086DN01200000	Yes	D	ED3	36 x 30 x 14	230	\$7,422	V3
	40	105	HVW701D105DN01200000	Yes	D	ED3	36 x 30 x 14	240	\$11,404	V3
	Input Power Supply: Three-Phase 220-240 Vac without Dynamic Braking Transistor									
	50	142	HVW701E142DN01200000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$14,011	V3
	60	180	HVW701E180DN01200000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$14,344	V3
	75	211	HVW701E211DN01200000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$23,057	V3
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor									
	2	3.6	HVW701A003GN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$2,576	V3
	3	5.0	HVW701A005GN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$2,584	V3
	5	7.0	HVW701A007GN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$2,759	V3
	7 1/2	10	HVW701A010GN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$3,120	V3
	10	13.5	HVW701A013GN01200000	Yes	A	HV1	36 x 7.8 x 15	75	\$3,196	V3
	10	17	HVW701B017GN01200000	Yes	B	HV1	36 x 7.8 x 15	87	\$3,280	V3
	15	24	HVW701B024GN01200000	Yes	B	HV1	36 x 7.8 x 15	87	\$3,868	V3
	20	31	HVW701B031GN01200000	Yes	B	HV1	36 x 7.8 x 15	87	\$4,557	V3
	25	38	HVW701C038GN01200000	Yes	C	HV2	43.9 x 9 x 16	133	\$5,433	V3
	30	45	HVW701C045GN01200000	Yes	C	HV2	43.9 x 9 x 16	133	\$6,134	V3
	40	58.5	HVW701C058GN01200000	Yes	C	HV2	43.9 x 9 x 16	133	\$6,286	V3
	50/60	70.5	HVW701D070GN01200000	Yes	D	ED3	36 x 30 x 14	230	\$8,118	V3
	75	88	HVW701D088GN01200000	Yes	D	ED3	36 x 30 x 14	240	\$11,587	V3
	Input Power Supply: Three-Phase 460-480 Vac without Dynamic Braking Transistor									
	75	105	HVW701E105GN01200000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$22,622	V3
	100/125	142	HVW701E142GN01200000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$25,373	V3
150	180	HVW701E180GN01200000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$30,944	V3	
175	211	HVW701E211GN01200000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$34,303	V3	

Notes:

- 1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
 - 2) "HP" rating based on "average FLA values". Use as a guide only.
 - 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
 - 4) HV1 and HV2 enclosures are NEMA Type 1 ventilated and wall-mounted; ED3 and ED4 are non-ventilated and wall-mounted.
 - 5) Maximum 45°C ambient temperature without derating
 - 6) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
- For other technical data please refer to WEG product manual.

HVW701

HVAC Drive Panel - NEMA 1 Enclosure - 2-Contactor Bypass with LonWorks Communication Module

Motor Voltage	ND / VT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size ⁴	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier
	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor									
	2	7.0	HVW701A007DN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$3,951	V3
	3	10	HVW701A010DN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$3,959	V3
	5	13	HVW701A013DN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$3,988	V3
	5	16	HVW701A016DN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$4,020	V3
	7 1/2	24	HVW701B024DN01200001	Yes	B	HV1	36 x 7.8 x 15	87	\$4,347	V3
	10	28	HVW701B028DN01200001	Yes	B	HV1	36 x 7.8 x 15	87	\$4,656	V3
	10	33.5	HVW701B033DN01200001	Yes	B	HV1	36 x 7.8 x 15	87	\$4,932	V3
	15	45	HVW701C045DN01200001	Yes	C	HV2	43.9 x 9 x 16	133	\$5,285	V3
	20	54	HVW701C054DN01200001	Yes	C	HV2	43.9 x 9 x 16	133	\$6,380	V3
	25	70	HVW701C070DN01200001	Yes	C	HV2	43.9 x 9 x 16	133	\$7,449	V3
	30	86	HVW701D086DN01200001	Yes	D	ED3	36 x 30 x 14	230	\$8,522	V3
	40	105	HVW701D105DN01200001	Yes	D	ED3	36 x 30 x 14	240	\$12,504	V3
	Input Power Supply: Three-Phase 220-240 Vac without Dynamic Braking Transistor									
	50	142	HVW701E142DN01200001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$15,111	V3
	60	180	HVW701E180DN01200001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$15,444	V3
	75	211	HVW701E211DN01200001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$24,157	V3
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor									
	2	3.6	HVW701A003GN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$3,676	V3
	3	5.0	HVW701A005GN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$3,684	V3
	5	7.0	HVW701A007GN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$3,859	V3
	7 1/2	10	HVW701A010GN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$4,220	V3
	10	13.5	HVW701A013GN01200001	Yes	A	HV1	36 x 7.8 x 15	75	\$4,296	V3
	10	17	HVW701B017GN01200001	Yes	B	HV1	36 x 7.8 x 15	87	\$4,380	V3
	15	24	HVW701B024GN01200001	Yes	B	HV1	36 x 7.8 x 15	87	\$4,968	V3
	20	31	HVW701B031GN01200001	Yes	B	HV1	36 x 7.8 x 15	87	\$5,657	V3
	25	38	HVW701C038GN01200001	Yes	C	HV2	43.9 x 9 x 16	133	\$6,533	V3
	30	45	HVW701C045GN01200001	Yes	C	HV2	43.9 x 9 x 16	133	\$7,234	V3
	40	58.5	HVW701C058GN01200001	Yes	C	HV2	43.9 x 9 x 16	133	\$7,386	V3
	50/60	70.5	HVW701D070GN01200001	Yes	D	ED3	36 x 30 x 14	230	\$9,218	V3
	75	88	HVW701D088GN01200001	Yes	D	ED3	36 x 30 x 14	240	\$12,687	V3
	Input Power Supply: Three-Phase 460-480 Vac without Dynamic Braking Transistor									
	75	105	HVW701E105GN01200001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$23,722	V3
	100/125	142	HVW701E142GN01200001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$26,473	V3
150	180	HVW701E180GN01200001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$32,044	V3	
175	211	HVW701E211GN01200001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$35,403	V3	

Notes:

- 1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) HV1 and HV2 enclosures are NEMA Type 1 ventilated and wall-mounted; ED3 and ED4 are non-ventilated and wall-mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.



HVW701

HVAC Drive Panel - NEMA 1 Enclosure - 3-Contactor Bypass

Motor Voltage	ND / VT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier
	Motor HP ²	Drive Amps ³								
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor									
	2	7.0	HVW701A007DN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$2,877	V3
	3	10	HVW701A010DN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$2,886	V3
	5	13	HVW701A013DN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$2,917	V3
	5	16	HVW701A016DN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$2,948	V3
	7 1/2	24	HVW701B024DN01300000	Yes	B	HV1	36 x 7.8 x 15	97	\$3,284	V3
	10	28	HVW701B028DN01300000	Yes	B	HV1	36 x 7.8 x 15	97	\$3,607	V3
	10	33.5	HVW701B033DN01300000	Yes	B	HV1	36 x 7.8 x 15	97	\$3,892	V3
	15	45	HVW701C045DN01300000	Yes	C	HV2	43.9 x 9 x 16	150	\$4,298	V3
	20	54	HVW701C054DN01300000	Yes	C	HV2	43.9 x 9 x 16	150	\$5,423	V3
	25	70	HVW701C070DN01300000	Yes	C	HV2	43.9 x 9 x 16	150	\$6,512	V3
	30	86	HVW701D086DN01300000	Yes	D	ED3	36 x 30 x 14	239	\$7,638	V3
	40	105	HVW701D105DN01300000	Yes	D	ED3	36 x 30 x 14	248	\$11,718	V3
	Input Power Supply: Three-Phase 220-240 Vac without Dynamic Braking Transistor									
	50	142	HVW701E142DN01300000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$14,655	V3
	60	180	HVW701E180DN01300000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$15,026	V3
	75	211	HVW701E211DN01300000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$24,293	V3
460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor									
	2	3.6	HVW701A003GN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$2,600	V3
	3	5.0	HVW701A005GN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$2,608	V3
	5	7.0	HVW701A007GN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$2,784	V3
	7 1/2	10	HVW701A010GN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$3,150	V3
	10	13.5	HVW701A013GN01300000	Yes	A	HV1	36 x 7.8 x 15	84	\$3,223	V3
	10	17	HVW701B017GN01300000	Yes	B	HV1	36 x 7.8 x 15	97	\$3,306	V3
	15	24	HVW701B024GN01300000	Yes	B	HV1	36 x 7.8 x 15	97	\$3,904	V3
	20	31	HVW701B031GN01300000	Yes	B	HV1	36 x 7.8 x 15	97	\$4,606	V3
	25	38	HVW701C038GN01300000	Yes	C	HV2	43.9 x 9 x 16	150	\$5,491	V3
	30	45	HVW701C045GN01300000	Yes	C	HV2	43.9 x 9 x 16	150	\$6,245	V3
	40	58.5	HVW701C058GN01300000	Yes	C	HV2	43.9 x 9 x 16	150	\$6,415	V3
	50/60	70.5	HVW701D070GN01300000	Yes	D	ED3	36 x 30 x 14	239	\$8,283	V3
	75	88	HVW701D088GN01300000	Yes	D	ED3	36 x 30 x 14	248	\$11,859	V3
	Input Power Supply: Three-Phase 460-480 Vac without Dynamic Braking Transistor									
	75	105	HVW701E105GN01300000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$23,147	V3
	100/125	142	HVW701E142GN01300000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$26,501	V3
150	180	HVW701E180GN01300000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$32,313	V3	
175	211	HVW701E211GN01300000	No	E ⁵	ED4	48 x 30 x 17.5	300	\$36,181	V3	

Notes:

1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.

2) "HP" rating based on "average FLA values". Use as a guide only.

3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.

4) HV1 and HV2 enclosures are NEMA Type 1 ventilated and wall-mounted; ED3 and ED4 are non-ventilated and wall-mounted.

5) Maximum 45°C ambient temperature without derating

6) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

For other technical data please refer to WEG product manual.

HVW701

HVAC Drive Panel - NEMA 1 Enclosure - 3-Contactor Bypass with LonWorks Communication Module

Motor Voltage	ND / VT ¹		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame	Dimensions (in.) HxWxD ⁶	Approx. Weight (lbs.) ⁶	List Price	Multiplier	
	Motor HP ²	Drive Amps ³									
230 Vac	Input Power Supply: Three-Phase 220-240 Vac with Dynamic Braking Transistor										
	2	7.0	HVW701A007DN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$3,977	V3	
	3	10	HVW701A010DN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$3,986	V3	
	5	13	HVW701A013DN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$4,017	V3	
	5	16	HVW701A016DN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$4,048	V3	
	7 1/2	24	HVW701B024DN01300001	Yes	B	HV1	36 x 7.8 x 15	97	\$4,384	V3	
	10	28	HVW701B028DN01300001	Yes	B	HV1	36 x 7.8 x 15	97	\$4,707	V3	
	10	33.5	HVW701B033DN01300001	Yes	B	HV1	36 x 7.8 x 15	97	\$4,992	V3	
	15	45	HVW701C045DN01300001	Yes	C	HV2	43.9 x 9 x 16	150	\$5,398	V3	
	20	54	HVW701C054DN01300001	Yes	C	HV2	43.9 x 9 x 16	150	\$6,523	V3	
	25	70	HVW701C070DN01300001	Yes	C	HV2	43.9 x 9 x 16	150	\$7,612	V3	
	30	86	HVW701D086DN01300001	Yes	D	ED3	36 x 30 x 14	239	\$8,738	V3	
	40	105	HVW701D105DN01300001	Yes	D	ED3	36 x 30 x 14	248	\$12,818	V3	
	Input Power Supply: Three-Phase 220-240 Vac without Dynamic Braking Transistor										
	50	142	HVW701E142DN01300001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$15,755	V3	
	60	180	HVW701E180DN01300001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$16,126	V3	
	75	211	HVW701E211DN01300001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$25,393	V3	
	460 Vac	Input Power Supply: Three-Phase 460-480 Vac with Dynamic Braking Transistor									
		2	3.6	HVW701A003GN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$3,700	V3
3		5.0	HVW701A005GN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$3,708	V3	
5		7.0	HVW701A007GN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$3,884	V3	
7 1/2		10	HVW701A010GN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$4,250	V3	
10		13.5	HVW701A013GN01300001	Yes	A	HV1	36 x 7.8 x 15	84	\$4,323	V3	
10		17	HVW701B017GN01300001	Yes	B	HV1	36 x 7.8 x 15	97	\$4,406	V3	
15		24	HVW701B024GN01300001	Yes	B	HV1	36 x 7.8 x 15	97	\$5,004	V3	
20		31	HVW701B031GN01300001	Yes	B	HV1	36 x 7.8 x 15	97	\$5,706	V3	
25		38	HVW701C038GN01300001	Yes	C	HV2	43.9 x 9 x 16	150	\$6,591	V3	
30		45	HVW701C045GN01300001	Yes	C	HV2	43.9 x 9 x 16	150	\$7,345	V3	
40		58.5	HVW701C058GN01300001	Yes	C	HV2	43.9 x 9 x 16	150	\$7,515	V3	
50/60		70.5	HVW701D070GN01300001	Yes	D	ED3	36 x 30 x 14	239	\$9,383	V3	
75		88	HVW701D088GN01300001	Yes	D	ED3	36 x 30 x 14	248	\$12,959	V3	
Input Power Supply: Three-Phase 460-480 Vac without Dynamic Braking Transistor											
75		105	HVW701E105GN01300001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$24,247	V3	
100/125		142	HVW701E142GN01300001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$27,601	V3	
150		180	HVW701E180GN01300001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$33,413	V3	
175		211	HVW701E211GN01300001	No	E ⁵	ED4	48 x 30 x 17.5	300	\$37,281	V3	

Notes:

- 1) VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 2) "HP" rating based on "average FLA values". Use as a guide only.
- 3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of drive.
- 4) HV1 and HV2 enclosures are NEMA Type 1 ventilated and wall-mounted; ED3 and ED4 are non-ventilated and wall-mounted.
- 5) Maximum 45°C ambient temperature without derating
- 6) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.



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