Industrial Motors

Commercial & Appliance Motors

Automation

Digital & Systems

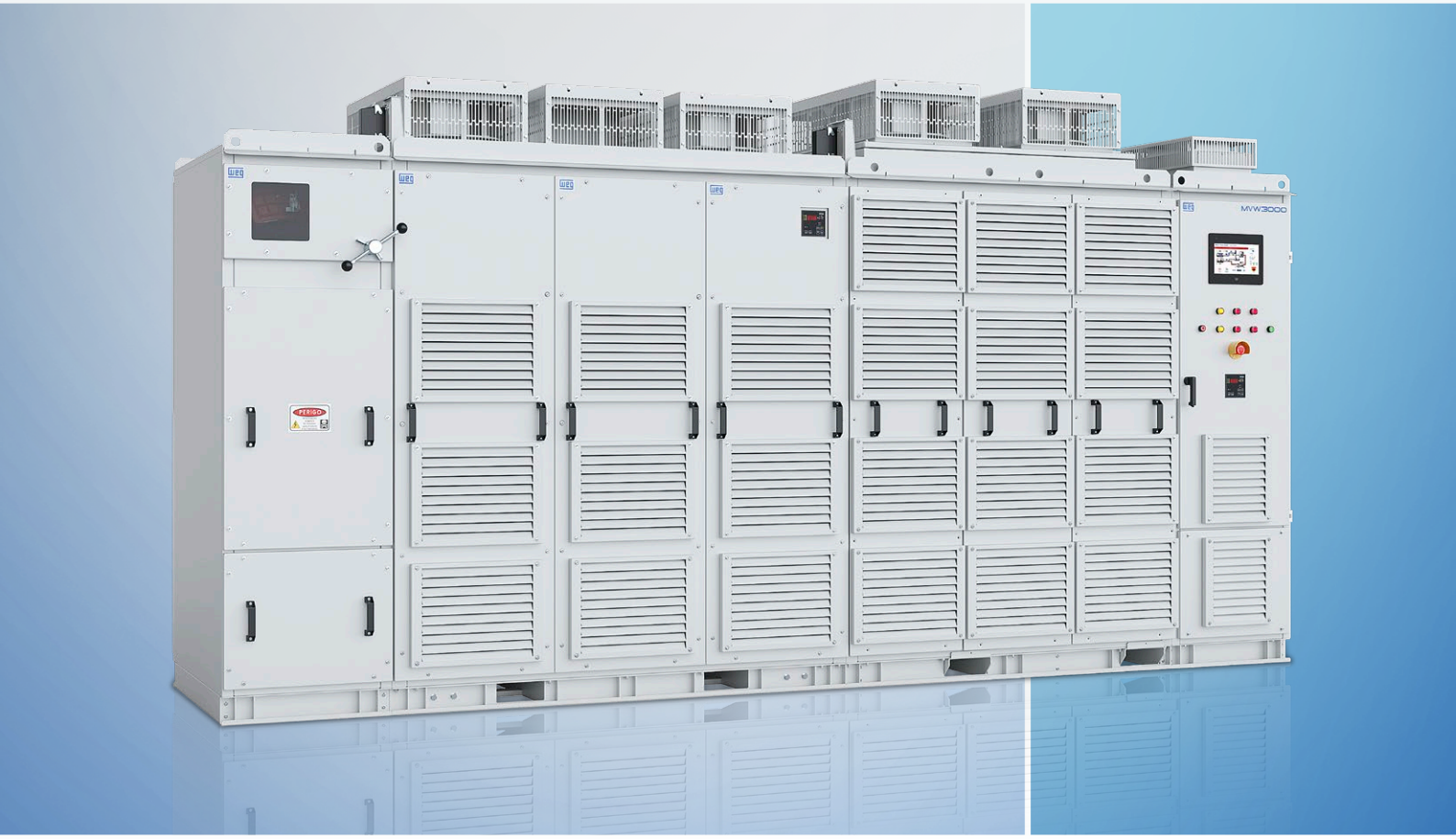
Energy

Transmission & Distribution

Coatings

MVW3000 - Medium Voltage Variable Speed Drive

The **efficient** and **safe** choice to control and protect medium voltage motors



Driving efficiency and sustainability

SUMMARY


MVW3000

The **efficient** and **safe** choice to control and protect medium voltage motors

WEG introduces the new MVW3000 G4 medium-voltage variable frequency drive, which combines efficiency, safety, and connectivity for industrial applications that require speed variation, such as compressors, pumps, fans, conveyors, and mills.

The MVW3000 G4 features an intuitive graphical HMI, user-friendly programming similar to the low-voltage drive line, increased processing capacity, WPS software for advanced functions, and high connectivity with modern protocols, including Modbus-RTU, Modbus-TCP, EtherNet/IP, and MQTT (IoT Ready).

Ideal for both new installations and retrofits, the solution offers energy savings, reduced maintenance costs, and simplified asset management, and is fully compatible with the WEG Motion Fleet Management platform.

MVW3000 is a Voltage Source Inverter (VSI) based on the multi-level Cascaded H-Bridge (CHB) topology. The almost sinusoidal output waveforms produced by the drive allow the use of this VSD with new or existing synchronous and induction motors without demanding especial insulation.

Efficiency

Connectivity

Reliability

Safety

Main features

- Imposed voltage inverter, using Cascaded H-bridge (CHB) topology
- High power factor and low harmonic content
- Motor current: up to 1,520 A[1)]
- Motor voltage: 1.15 kV, to 13.8 kV
- Fully integrated solution with input transformer

Note: 1) Higher currents under request.

Certifications

Applications

Downhole pumps, pipeline pumps, gas compressors, water injection pumps, blowers

Petrochemicals

Fans and pumps, grinders, chippers, yankee blowers, winders, refiners

Pulp & Paper

Slurry pumps, conveyors, crushers and mills

Mining

Kiln and baghouse fans, cooler exhaust, forced draft and induced draft fans, crushers and mills

Cement

Fresh water pumps, sewage and effluent pumps

Water/waste

Pumps, compressors, extruders

Chemicals

Banbury mixers

Plastic & Rubber

Pumps, compressors

Infrastructure

Forced draft and induced draft fans, boiler feed pumps, recirculating pumps

Power generation

Descaling pumps, cooling pumps and fans

Metals

Propulsion, thrusters, off-load pumps

Marine

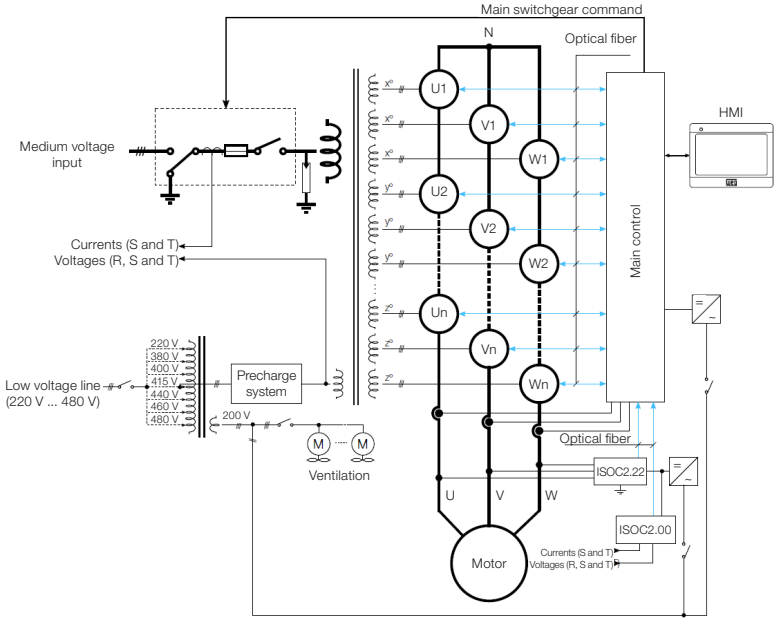
Sugarcane mills, fans, blowers, centrifuges

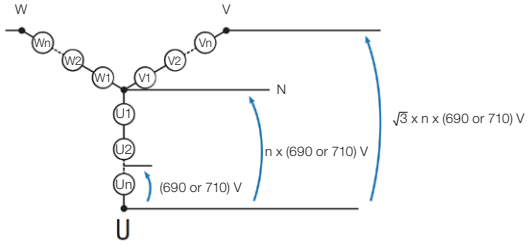
Sugar & Ethanol

MV solution

Topology with associated power cells in order to achieve a higher voltage level with high efficiency and reliability.

- Multi-level imposed voltage inverter technology, using Cascaded H-bridge (CHB) topology for motors up to 13.8 kV
- Phase shifting transformer: 18 to 216 pulses
- Associated low-voltage power cells for medium-voltage motor drives
- Robust, long-life plastic film capacitors (manufactured by WEG)
- Optional automatic cell bypass function
- High speed fuses for individual cell protection
- Communication via optical fiber
- Draw-out style power modules with clamp power connections that eliminates connecting or disconnecting of power cables for easy and fast servicing





Benefits

Ten good reasons why you should consider WEG for your complete MV VSD system solution

1. WEG team delivers an aptly engineered and manufactured VSD system that provides the best solution, while its customers are free to pursue bigger business opportunities.

2. VSDs are built with standard safety features such as mechanical interlocking system, line of sight protection for louvered filter covers and arc flash detection via light sensors.

3. More durability and less maintenance time with options that allow continuous operation at 100% power or reduced power, due to the redundancy of power cells and the ability for automatic cell bypass.

4. Helps reduce operational costs by optimizing processes, with high power quality at the input with low levels of harmonic distortion and an output waveform to the motor very close to sinusoidal.
Additionally, with the option of output filters, it allows the use of existing motors with older insulation systems, maintaining motor longevity.

5. Phase shifting transformer is already integrated into the solution, ensuring an optimized footprint and compact design.

6. License free PC based software is available for download for paperless recording of parameters and events, in addition to a 10” touch screen that facilitates the parameterization, operation, and reading of the inverter variables.

7. Possibility of complete system testing including MV Switchgear, Phase Shifting Transformer, MV VSD and MV Motor under full load conditions using dynamometer at largest motors & drives facility in South America.

8. Factory specialists can provide customers total assistance with quick response time when necessary and actively provide support via authorized service centers.

9. Quality Control: ISO 9001 and ISO 14000 certified factory with strict QA procedures mandate functional tests for all control boards and two hour load testing for each VSD shipped.

10. WEG R&D team dedicated exclusively for the MV VSD, helps in developing state of the art hardware and software functions.

Benefits

Input switchgear

- System input protection
- Mechanically and electrically interlocked with VSD
- Metal clad switchgear with CB or metal enclosed with disconnect switch + vacuum contactor + MV fuses
- Opens under VSD command in less than 100ms
- Existing switchgear can also be used with basic open/close/trip signals and feedback

Phase shifting transformer

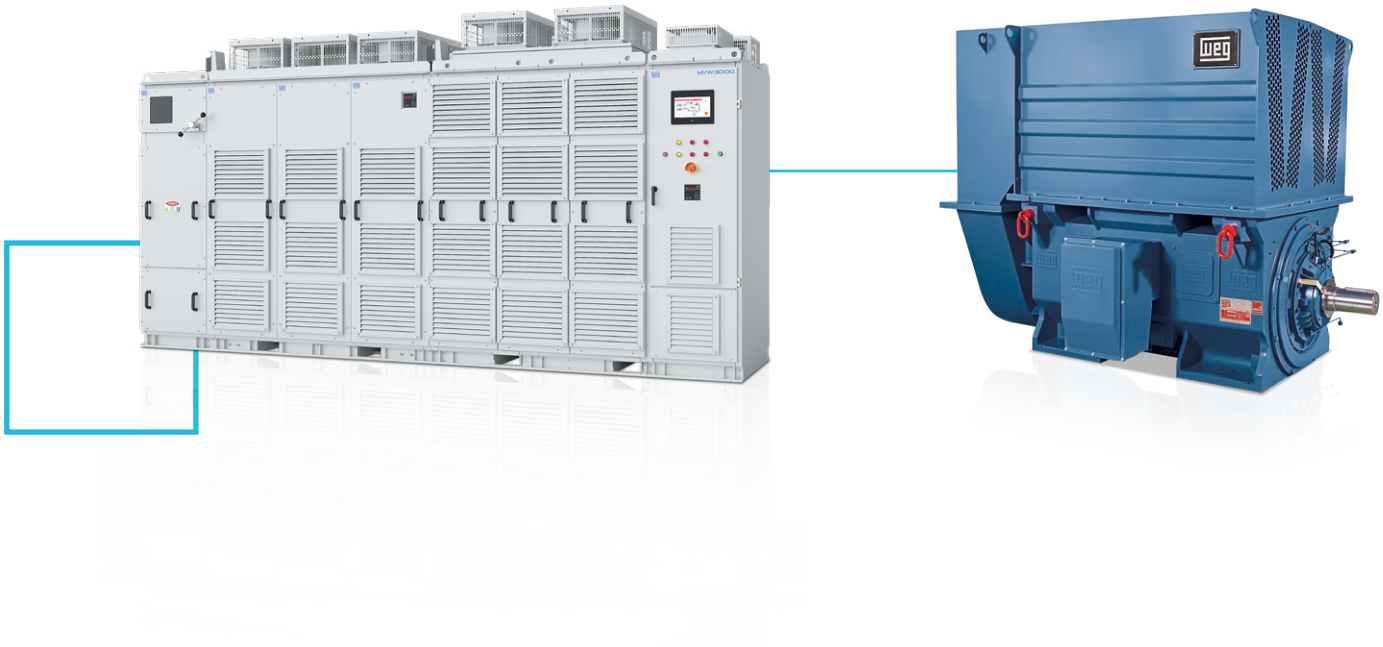
- Provides complete system isolation for common-mode voltage stress mitigation on the motor
- Natural harmonic reduction on the power supply
- Fault current limitation
- Voltage matching
- Flexibility of installation with transformer with aluminum or copper winding
- Isolates the system from supply side grounding and in case of ground fault, VSD generates alarm while keeping motor operation under control or can be programmed for safe trip
- Transformer and inverter installed in the same mechanical structure and with the same degree of protection

MVW3000 MV VSD

- Latest generation of power cells
- Cascaded H-Bridge topology with higher voltage levels for motors up to 13.8 kV
- Long life plastic film capacitors in power cells
- Draw-out style power modules
- Optimized for inverter duty motors
- Customized with optional filters for standard motors, in addition to other options and customization possibilities
- Possibility of cell redundancy and bypass

WEG MV motor

- Synchronous or induction motor control
- Standard motor voltages: 2.3 kV, 3.3 kV, 4.16 kV, 5.5 kV, 6.0 kV, 6.3 kV, 6.9 kV, 7.2 kV, 8 kV, 10 kV, 11 kV, 12 kV, 13.2 kV and 13.8 kV
- System optimization with inverter duty motors
- Possibility of working with non inverter duty motors or old motors (retrofitting)

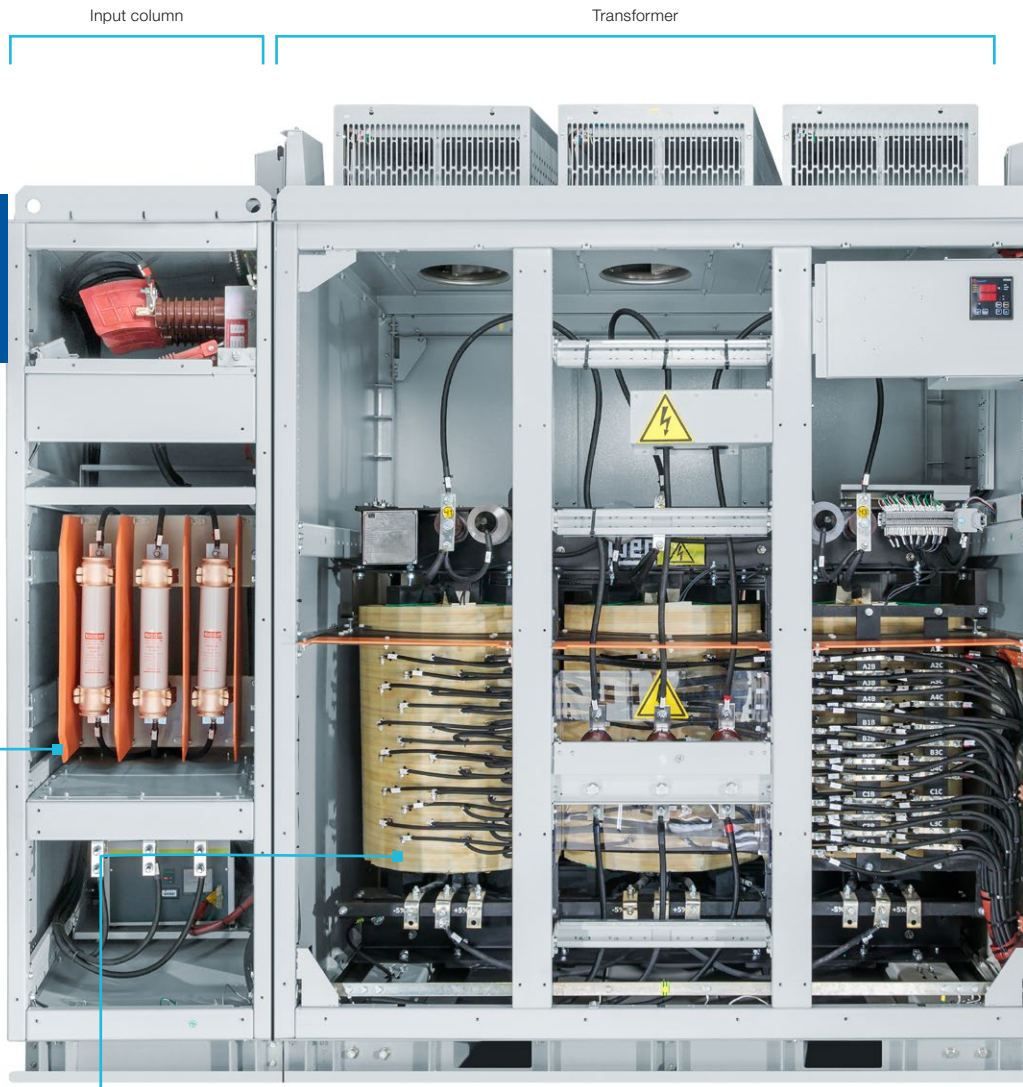


Features

- Motor voltage: 1.15 kV to 13.8 kV
- Motor current: up to 1,520 A[1)]
- Input voltage: 1.15 kV...13.8 kV[2)]
- High-efficiency air cooling
- User-friendly interface
- Arc detector system on transformer and cells cabinet as standard
- Low harmonic content, according to IEEE 519, IEC 61800-3 and G5/4-1
- Fully integrated solution
- High input power factor (> 0.95)
- Easy maintenance
- Power cells with long life plastic film capacitors
- Output waveform close to a sine wave

Notes: 1) Higher currents under request.
2) Low voltage or higher medium voltage incoming voltages under request.

It includes all the parts of a medium voltage speed variation system in a single and compact cabinet.



Incoming protection

- Three-phase switch disconnector with fuses and vacuum contactor - for input voltage up to 6.9 kV
- Mechanical interlock to prevent access to the MV compartment with the switch in the ON position
- Cable input through the bottom or top

Phase-shifting transformer

- With lightning arrester on the high-voltage side
- Impedance matching of the windings on the secondary winding to optimize the harmonics and reduce losses on the line side
- Winding temperature monitor (Pt-100 on the windings) with up to eight channels

Mechanical characteristics

- Small footprint
- IP21, IP41 and IP42 cabinet
- Mechanical interlocking system for all compartments (optional)
- Top/bottom line cable entry and exit
- Efficient air-cooling system with optional redundant fans

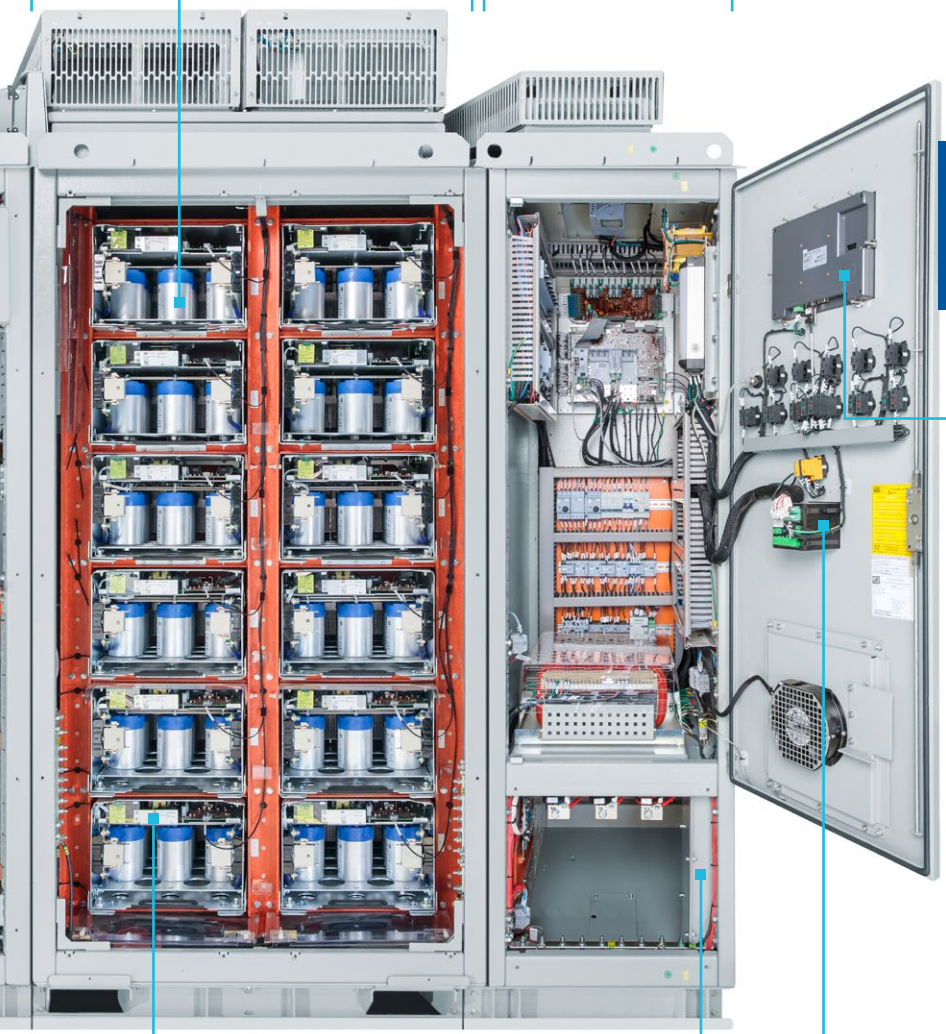
Note: 1) You can use the existing switchgear or another one, both physically separated from the inverter. The incoming protection is an optional item. Depending on the rated power, the switchgear can be positioned in the transformer enclosure.

Features

Power cells developed with WEG proven technology, over thirty years of experience with AC drives. Long live plastic film capacitors > 15 years.

Withdrawable power cells.
Clamp connection makes installation and maintenance fast and easy.

Optionally, cells can be provided with bypass function. In case of problems, the faulty cell will be removed from the circuit enabling the operation to continue. This is performed automatically by the drive.



High availability with N+1 redundancy, rated motor voltage even with a faulty power cell per phase.

IHM touch screen 10”

- Graphic display
- Full operation, navigation, programming and monitoring
- Complete parameters instructions and fault descriptions
- Numerical and/or bars display

Control column

- 10” touch screen HMI
- Indoor cabinet lights
- Fibre optic for noise immunity and galvanic isolation
- Conformal coating on PCBs as standard

Thermal protection

- Pt-100 individual monitoring for motor thermal protection (bearings and windings)

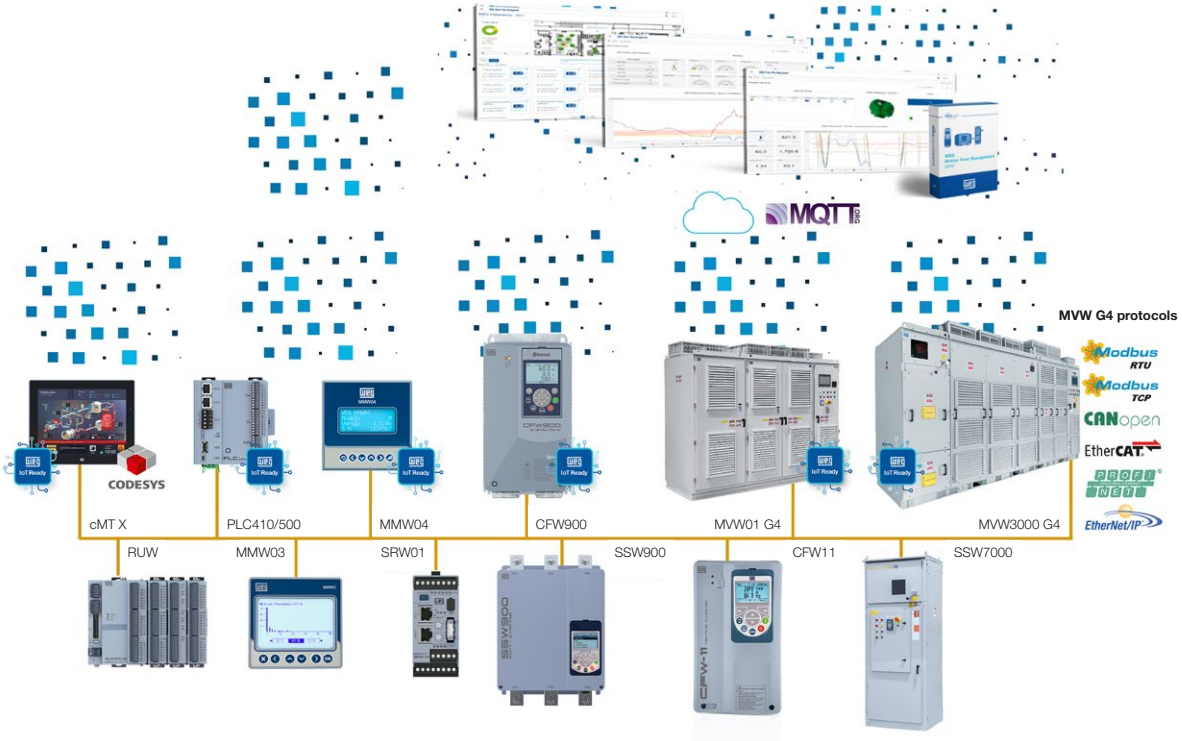
WEG Programming Suite (WPS)

Freeware software for configuration, monitoring and diagnostic of MVW3000 G4.

- Quick diagnostics and copying of parameter settings to PC
- SoftPLC for specific logics and applications
- Online transfer, monitoring of programming, quantities and diagnostics
- Ladder language compliant with IEC 61131-3 standard
- Simplified access via Ethernet or RS485 serial port, both built-in to the product
- Online and offline programming
- Graphical monitoring of drive parameters
- Avaliable at *www.weg.net*

Communication

MVW3000 G4 supports several industrial and IoT network protocols, such as built-in in the standard product: Modbus-RTU, Modbus-TCP or EtherNet/IP or MQTT and several possibilities through optional expansion modules: CANopen, DeviceNet, EtherCAT, Profibus-DP, PROFINET-IRT. Other protocols are available under request.



User-friendly HMI

A door mounted 10-inch touch screen HMI offers great flexibility to the operator allowing easy access to user process data in real-time. Intuitive operation makes equipment parameterization, status reading and alarm/fault logging simple tasks.

It also supports several languages, multiple protection levels against unauthorized access, graphic and plotting functions.

- Great flexibility to the operator
- Intuitive operation
- Support to several languages
- Graphic and plotting functions
- Multiple levels for protection against unauthorized access

WEG MOTION FLEET MANAGEMENT

Technology for online monitoring and intelligent asset management

Developed to provide greater simplicity and speed in the operation, maintenance, and management of industrial plants, WEG Motion Fleet Management is the ideal solution for monitoring and increasing the availability of equipment and asset fleets. Based on cloud computing technology, multiple assets can be monitored at any time, from anywhere in the world, observing the most important aspects of cyber security.

With this technological solution, it is possible to monitor a wide range of assets and equipment online, reducing the need for verification routes and measurements for maintenance assessments and procedures related to their reliability. For example, frequency inverters, low and medium voltage Soft-starters, smart relays, low and medium voltage motors and generators, as well as gearboxes, gearmotors, pumps, compressors, fans, exhaust fans, conveyor belts, mills, planetary gearboxes, bearings in general, among other assets in any type of industry or installation.
Through periodic data collection, valuable insights are generated to increase the performance and availability of the equipment fleet in the plant. Predictive maintenance plans can thus be established and scheduled, significantly reducing the number of unplanned downtime.

Main features, advantages and benefits of the WEG MFM solution

- Monitoring of various types of equipment, assets and plants in a single environment and with a technical and managerial vision.
- Ecosystem in constant development, both hardware and software.
- Solution integrated with WEGscan, dedicated and robust hardware for acquiring application data.
- Data processing on the edge and in the cloud, enabling advanced diagnoses.
- Ready-to-use solution, suitable for a wide range of equipment and assets, simply register the WEGscan in the application and use it.
- Maintenance management based on the operating condition of the assets.
- Flexible solution available for service providers.
- Reduction of the plant operating cost (Total Cost of Ownership).
- Multi-language solution available globally.
- Module for analyzing vibration signals.
- Specialist modules with Analytics and Artificial Intelligence.
- Exchange modules for data integration with other platforms via APIs.

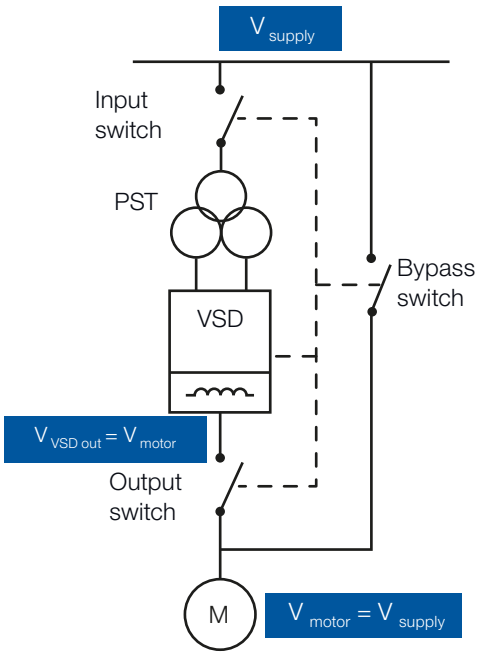
To learn more, visit the catalog or or click here

To learn more, watch the video or click here

System customized solutions

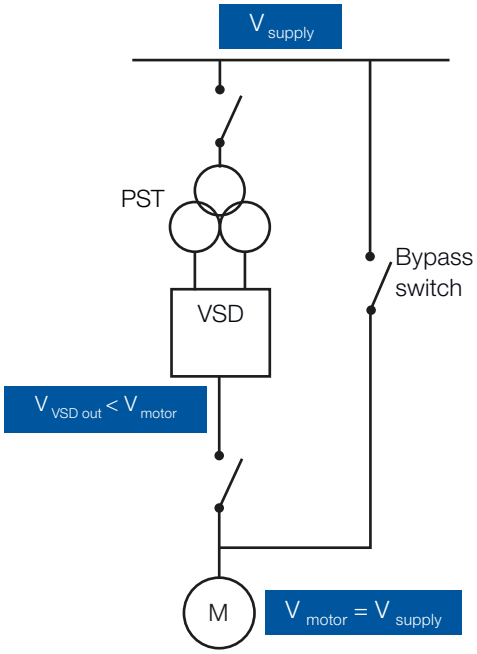
Full voltage starting and synchronous bypass

If speed variation is not required all the time, this arrangement can be used. With this topology it is possible to start and bypass several motors to the grid.



Reduced voltage starting and standard bypass

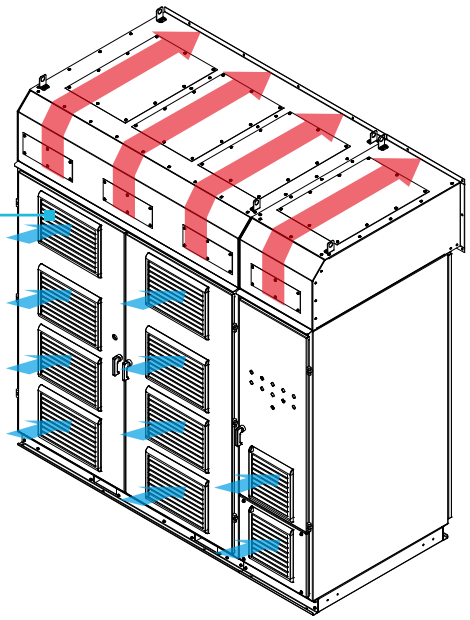
For those applications where only motor start-up is required, a VSD with lower rated voltage can be used.



Standalone input switchgear

Output earth switch

Air-duct channel to exhaust hot air to the outside of electrical room (no air-conditioning required)



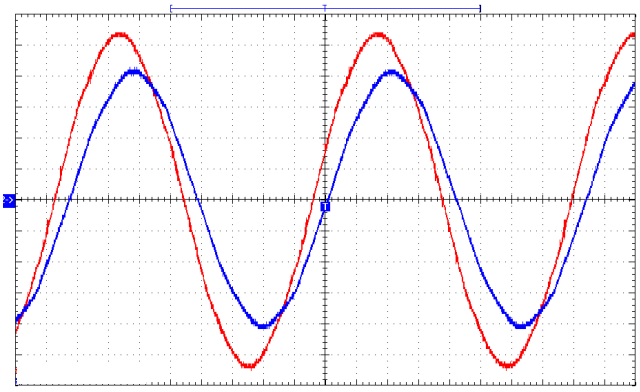
Special versions available under request:

- MVW3000 with higher incoming voltages (>17.5 kV)
- Output currents up to 2,240 A for motors up to 6.9 kV
- Special painting procedures

Waveforms

Low harmonic content at the input, in compliance with IEEE 519, IEC 61800-3 and G5/4-1, and excellent waveform at the motor output, very close to sinusoidal.

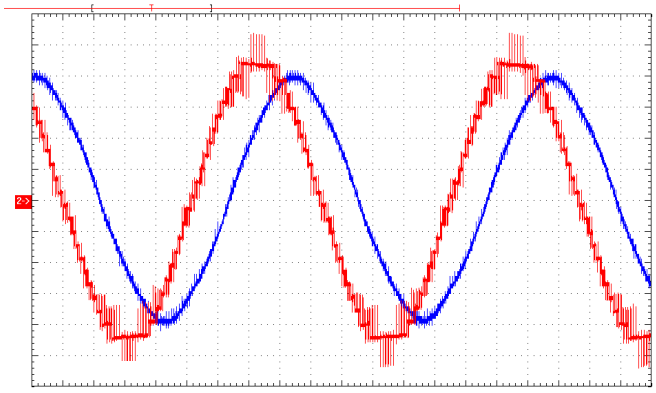
Input voltage and current



Voltage
Current

- High input power factor
- Negligible harmonic current content

Motor voltage and current



Voltage
Current

- Almost sinusoidal motor voltage
- No pulse torque

Output filter type

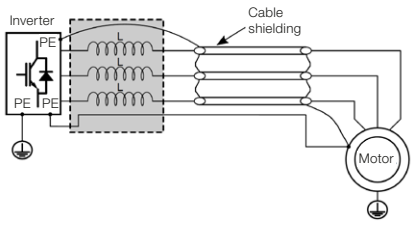
Depending on the installation conditions, it may be necessary to add an output filter. For drives with cables between 200 and 1,000 m, it is recommended to use type 1 output filter on the motor phases.
For drives with long cables (above 1,000 m) or for motors not able to operate with PWM modulation (retrofitting applications), it is recommended to use type 2 or 3 filter.
The available filter models follow the voltage and current values informed in the table below.

Recommended filter type table

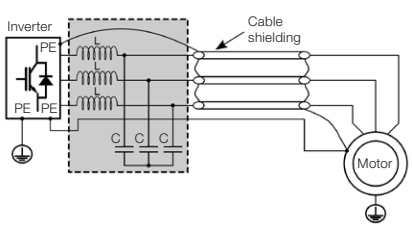
Motor prepared to use with inverter			
Motor voltage	Output cable length		
	d ≤ 200 m	200 m < d ≤ 1,000 m	d > 1,000 m
≤3.3 kV	None	Type 1	Type 3
4.16 kV...6.9 kV	None	Type 1	Type 2
>6.9 kV	None	None	Type 2
Motor not prepared / retrofitted			
Motor voltage	Output cable length		
	d ≤ 200 m	200 m < d ≤ 1,000 m	d > 1,000 m
≤3.3 kV	Type 3	Type 3	Type 3
4.16 kV...6.9 kV	Type 2	Type 2	Type 2
>6.9 kV	Type 1	Type 1	Type 2
New WEG motors[1)]	None	Type 1	Type 2

Note: 1) Except for 4.16 kV.

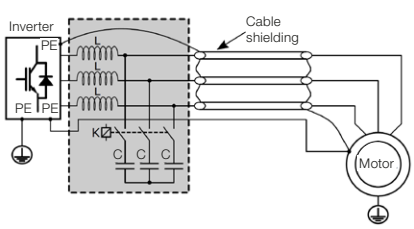
Ilustration of filter types



Filter type 1



Filter type 2



Filter type 3

Coding[1)]

1	2	3	4	5	6	7	8
MVW3000	G4	A0140	V138	T6A	138	D72	AC

9	10	11	12	13	14	15
S	I	42	ST	SN	F0	CE

1 - Product line
2 - Generation
3 - Rated output current[2)], according to the table below

40 A	A0040	400 A	A0400
50 A	A0050	450 A	A0450
60 A	A0060	500 A	A0500
70 A	A0070	550 A	A0550
80 A	A0080	600 A	A0600
90 A	A0090	650 A	A0650
100 A	A0100	700 A	A0700
110 A	A0110	750 A	A0750
125 A	A0125	800 A	A0800
140 A	A0140	855 A	A0855
160 A	A0160	950 A	A0950
180 A	A0180	1,045 A	A1045
200 A	A0200	1,140 A	A1140
225 A	A0225	1,235 A	A1235
265 A	A0265	1,330 A	A1330
310 A	A0310	1,425 A	A1425
340 A	A0340	1,520 A	A1520

4 - Rated output voltage

1,150 V	V011	7,200 V	V072
2,300 V	V023	8,000 V	V080
3,300 V	V033	9,000 V	V090
4,160 V	V041	10,000 V	V100
5,500 V	V055	11,000 V	V110
6,000 V	V060	12,000 V	V120
6,300 V	V063	13,200 V	V132
6,600 V	V066	13,800 V	V138
6,900 V	V069		

5 - Input transformer

Al 50 Hz	T5A
Al 60 Hz	T6A
Cu 50 Hz	T5C
Cu 60 Hz	T6C

6 - Rated input voltage

1,150 V	011	6,900 V	069
2,300 V	023	7,200 V	072
3,000 V	030	8,000 V	080
3,300 V	033	8,400 V	084
4,160 V	041	10,000 V	100
4,800 V	048	11,000 V	110
5,500 V	055	12,000 V	120
6,000 V	060	12,400 V	124
6,300 V	063	13,200 V	132
6,600 V	066	13,800 V	138

7 - Rectifier type and pulses

Diode 18 pulses	D18	Diode 72 pulses	D72
Diode 24 pulses	D24	Diode 90 pulses	D90
Diode 30 pulses	D30	Diode 108 pulses	D108
Diode 36 pulses	D36	Diode 126 pulses	D126
Diode 42 pulses	D42	Diode 144 pulses	D144
Diode 48 pulses	D48	Diode 162 pulses	D162
Diode 54 pulses	D54	Diode 180 pulses	D180
Diode 60 pulses	D60	Diode 198 pulses	D198
Diode 66 pulses	D66	Diode 216 pulses	D216

8 - Cooling type

Air cooled	AC

9 - Cell type

Default	S
Bypass	B
Redundant	R

10 - Installation type

Indoor	I

11 - Protection degree

IP21	21
IP41	41
IP42	42

12 - Arc protection

Standard (without)	ST

13 - Input switchgear

Not included	SN
Included	SI

14 - Output filter type

Without	F0
Type 1	F1
Type 2	F2
Type 3	F3

15 - Certification

CE
UL

Notes: 1) Other configurations available under request.
2) Overload capacity: ND = Normal Duty: 115% for 60 seconds every 10 minutes.
3) Table with standard mounted references in section MVW3000 G4 - Standard versions.
4) The interfaces incorporated into the control and optional modules are listed in the Technical Data table.

MVW3000 G4 - Standard versions

1.15 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	90	70	31	MVW3000G4 A0040 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	1,500 x 2,405 x 1,220	2	36	1,500 x 2,405 x 1,220
50	110	80	38	MVW3000G4 A0050 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	1,500 x 2,405 x 1,220	2	36	1,500 x 2,405 x 1,220
60	130	100	46	MVW3000G4 A0060 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	1,500 x 2,405 x 1,220	2	36	1,500 x 2,405 x 1,220
70	160	120	54	MVW3000G4 A0070 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	1,500 x 2,405 x 1,220	2	36	1,500 x 2,405 x 1,220
80	170	130	61	MVW3000G4 A0080 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
90	200	150	69	MVW3000G4 A0090 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
100	230	170	77	MVW3000G4 A0100 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
110	240	180	84	MVW3000G4 A0110 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
125	280	210	96	MVW3000G4 A0125 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
140	310	230	107	MVW3000G4 A0140 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
160	360	270	123	MVW3000G4 A0160 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
180	400	300	138	MVW3000G4 A0180 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
200	440	330	153	MVW3000G4 A0200 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,400 x 2,405 x 1,220	2	36	2,400 x 2,405 x 1,220
225	500	370	173	MVW3000G4 A0225 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,600 x 2,405 x 1,320	2	36	2,600 x 2,405 x 1,320
265	590	440	203	MVW3000G4 A0265 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,600 x 2,405 x 1,320	2	36	2,600 x 2,405 x 1,320
310	700	520	238	MVW3000G4 A0310 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,600 x 2,405 x 1,320	2	36	2,600 x 2,405 x 1,320
340	770	570	261	MVW3000G4 A0340 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	2,600 x 2,405 x 1,320	2	36	2,600 x 2,405 x 1,320
400	900	670	307	MVW3000G4 A0400 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,620	2	36	3,900 x 2,640 x 1,620
450	1,010	750	345	MVW3000G4 A0450 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,620	2	36	3,900 x 2,640 x 1,620
500	1,110	830	383	MVW3000G4 A0500 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,620	2	36	4,100 x 2,640 x 1,620
550	1,220	910	422	MVW3000G4 A0550 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,620	2	36	4,100 x 2,640 x 1,620
600	1,340	1,000	460	MVW3000G4 A0600 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,620	2	36	4,100 x 2,640 x 1,620
650	1,450	1,080	498	MVW3000G4 A0650 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,820	2	36	4,100 x 2,640 x 1,820
700	1,560	1,160	537	MVW3000G4 A0700 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,820	2	36	4,100 x 2,640 x 1,820
750	1,690	1,260	575	MVW3000G4 A0750 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,820	2	36	4,100 x 2,640 x 1,820
800	1,790	1,330	613	MVW3000G4 A0800 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	1	18	3,900 x 2,640 x 1,820	2	36	4,100 x 2,640 x 1,820
855	1,910	1,420	656	MVW3000G4 A0855 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18	Under request	4	36	Under request
950	2,120	1,580	728	MVW3000G4 A0950 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18		4	36	
1,045	2,340	1,740	801	MVW3000G4 A1045 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18		4	36	
1,140	2,550	1,900	874	MVW3000G4 A1140 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18		4	36	
1,235	2,760	2,050	947	MVW3000G4 A1235 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18		4	36	
1,330	2,970	2,210	1,020	MVW3000G4 A1330 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18		4	36	
1,425	3,180	2,370	1,093	MVW3000G4 A1425 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18		4	36	
1,520	3,390	2,530	1,165	MVW3000G4 A1520 V011 TxA 036 Dyy AC □ I21 ST SN F0 ♦	2	18		4	36	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.
2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.
3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.
4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.
5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.
x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.
yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.
□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.
♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

2.3 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	170	130	31	MVW3000G4 A0040 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	1,500 x 2,405 x 1,220	3	18	1,500 x 2,405 x 1,220
50	230	170	38	MVW3000G4 A0050 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	1,500 x 2,405 x 1,220	3	18	1,500 x 2,405 x 1,220
60	270	200	46	MVW3000G4 A0060 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	1,500 x 2,405 x 1,220	3	18	1,500 x 2,405 x 1,220
70	310	230	54	MVW3000G4 A0070 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	1,500 x 2,405 x 1,220	3	18	1,500 x 2,405 x 1,220
80	360	270	61	MVW3000G4 A0080 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
90	400	300	69	MVW3000G4 A0090 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
100	440	330	77	MVW3000G4 A0100 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
110	500	370	84	MVW3000G4 A0110 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
125	560	420	96	MVW3000G4 A0125 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
140	630	470	107	MVW3000G4 A0140 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
160	710	530	123	MVW3000G4 A0160 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
180	810	600	138	MVW3000G4 A0180 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
200	900	670	153	MVW3000G4 A0200 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,400 x 2,405 x 1,220	3	18	3,400 x 2,405 x 1,220
225	1,010	750	173	MVW3000G4 A0225 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,600 x 2,405 x 1,320	3	18	3,800 x 2,405 x 1,320
265	1,180	880	203	MVW3000G4 A0265 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,600 x 2,405 x 1,320	3	18	3,800 x 2,405 x 1,320
310	1,380	1,030	238	MVW3000G4 A0310 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,600 x 2,405 x 1,320	3	18	4,400 x 2,405 x 1,320
340	1,520	1,130	261	MVW3000G4 A0340 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	2,600 x 2,405 x 1,320	3	18	4,400 x 2,405 x 1,320
400	1,790	1,330	307	MVW3000G4 A0400 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	3900 x 2,640 x 1,620	3	18	4,650 x 2,640 x 1,620
450	2,010	1,500	345	MVW3000G4 A0450 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	3900 x 2,640 x 1,620	3	18	4,650 x 2,640 x 1,620
500	2,230	1,660	383	MVW3000G4 A0500 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	4,100 x 2,640 x 1,620	3	18	4,950 x 2,640 x 1,620
550	2,460	1,830	422	MVW3000G4 A0550 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	4,100 x 2,640 x 1,620	3	18	4,950 x 2,640 x 1,620
600	2,680	2,000	460	MVW3000G4 A0600 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	4,100 x 2,640 x 1,620	3	18	4,950 x 2,640 x 1,620
650	2,900	2,160	498	MVW3000G4 A0650 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	4,100 x 2,640 x 1,820	3	18	4,950 x 2,640 x 1,820
700	3,130	2,330	537	MVW3000G4 A0700 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	4,100 x 2,640 x 1,820	3	18	4,950 x 2,640 x 1,820
750	3,400	2,530	575	MVW3000G4 A0750 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	4,100 x 2,640 x 1,820	3	18	4,950 x 2,640 x 1,820
800	3,570	2,660	613	MVW3000G4 A0800 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	2	36	4,100 x 2,640 x 1,820	3	18	4,950 x 2,640 x 1,820
855	3,810	2,840	656	MVW3000G4 A0855 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36	Under request	6	18	Under request
950	4,240	3,160	728	MVW3000G4 A0950 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36		6	18	
1,045	4,670	3,480	801	MVW3000G4 A1045 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36		6	18	
1,140	5,090	3,790	874	MVW3000G4 A1140 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36		6	18	
1,235	5,520	4,110	947	MVW3000G4 A1235 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36		6	18	
1,330	5,940	4,430	1,020	MVW3000G4 A1330 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36		6	18	
1,425	6,360	4,740	1,093	MVW3000G4 A1425 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36		6	18	
1,520	6,790	5,060	1,165	MVW3000G4 A1520 V023 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	36		6	18	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

3.3 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	260	190	31	MVW3000G4 A0040 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	1,500 x 2,405 x 1,220	4	24	1,500 x 2,405 x 1,220
50	320	240	38	MVW3000G4 A0050 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	1,500 x 2,405 x 1,220	4	24	1,500 x 2,405 x 1,220
60	390	290	46	MVW3000G4 A0060 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	1,500 x 2,405 x 1,220	4	24	1,500 x 2,405 x 1,220
70	440	330	54	MVW3000G4 A0070 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	1,500 x 2,405 x 1,220	4	24	1,500 x 2,405 x 1,220
80	510	380	61	MVW3000G4 A0080 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
90	580	430	69	MVW3000G4 A0090 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
100	640	480	77	MVW3000G4 A0100 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
110	710	530	84	MVW3000G4 A0110 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
125	810	600	96	MVW3000G4 A0125 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
140	900	670	107	MVW3000G4 A0140 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
160	1,020	760	123	MVW3000G4 A0160 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
180	1,150	860	138	MVW3000G4 A0180 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
200	1,280	950	153	MVW3000G4 A0200 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,400 x 2,405 x 1,220	4	24	3,400 x 2,405 x 1,220
225	1,440	1,070	173	MVW3000G4 A0225 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,800 x 2,405 x 1,320	4	24	3800 x 2,405 x 1,320
265	1,700	1,270	203	MVW3000G4 A0265 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	3,800 x 2,405 x 1,320	4	24	3800 x 2,405 x 1,320
310	1,990	1,480	238	MVW3000G4 A0310 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,400 x 2,405 x 1,320	4	24	4,400 x 2,405 x 1,320
340	2,170	1,620	261	MVW3000G4 A0340 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,400 x 2,405 x 1,320	4	24	4,400 x 2,405 x 1,320
400	2,560	1,910	307	MVW3000G4 A0400 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,650 x 2,640 x 1,620	4	24	5,250 x 2,640 x 1,620
450	2,890	2,150	345	MVW3000G4 A0450 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,650 x 2,640 x 1,620	4	24	5,250 x 2,640 x 1,620
500	3,210	2,390	383	MVW3000G4 A0500 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,950 x 2,640 x 1,620	4	24	5,550 x 2,640 x 1,620
550	3,530	2,630	422	MVW3000G4 A0550 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,950 x 2,640 x 1,620	4	24	5,550 x 2,640 x 1,620
600	3,840	2,860	460	MVW3000G4 A0600 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,950 x 2,640 x 1,620	4	24	5,550 x 2,640 x 1,620
650	4,160	3,100	498	MVW3000G4 A0650 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,950 x 2,640 x 1,820	4	24	5,550 x 2,640 x 1,820
700	4,490	3,340	537	MVW3000G4 A0700 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,950 x 2,640 x 1,820	4	24	5,550 x 2,640 x 1,820
750	4,870	3,630	575	MVW3000G4 A0750 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,950 x 2,640 x 1,820	4	24	5,550 x 2,640 x 1,820
800	5,130	3,820	613	MVW3000G4 A0800 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	3	18	4,950 x 2,640 x 1,820	4	24	5,550 x 2,640 x 1,820
855	5,480	4,080	656	MVW3000G4 A0855 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18	Under request	8	24	Under request
950	6,080	4,530	728	MVW3000G4 A0950 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18		8	24	
1,045	6,700	4,990	801	MVW3000G4 A1045 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18		8	24	
1,140	7,300	5,440	874	MVW3000G4 A1140 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18		8	24	
1,235	7,910	5,900	947	MVW3000G4 A1235 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18		8	24	
1,330	8,520	6,350	1,020	MVW3000G4 A1330 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18		8	24	
1,425	9,130	6,800	1,093	MVW3000G4 A1425 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18		8	24	
1,520	9,740	7,260	1,165	MVW3000G4 A1520 V033 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	18		8	24	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

4.16 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	320	240	31	MVW3000G4 A0040 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	1,500 x 2,405 x 1,220	5	30	3,400 x 2,405 x 1,220
50	400	300	38	MVW3000G4 A0050 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	1,500 x 2,405 x 1,220	5	30	3,400 x 2,405 x 1,220
60	480	360	46	MVW3000G4 A0060 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	1,500 x 2,405 x 1,220	5	30	3,400 x 2,405 x 1,220
70	560	420	54	MVW3000G4 A0070 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	1,500 x 2,405 x 1,220	5	30	3,400 x 2,405 x 1,220
80	640	480	61	MVW3000G4 A0080 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
90	720	540	69	MVW3000G4 A0090 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
100	810	600	77	MVW3000G4 A0100 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
110	890	660	84	MVW3000G4 A0110 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
125	1,010	750	96	MVW3000G4 A0125 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
140	1,130	840	107	MVW3000G4 A0140 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
160	1,290	960	123	MVW3000G4 A0160 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
180	1,450	1,080	138	MVW3000G4 A0180 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
200	1,610	1,200	153	MVW3000G4 A0200 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,400 x 2,405 x 1,220	5	30	3,900 x 2,405 x 1,220
225	1,810	1,350	173	MVW3000G4 A0225 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,800 x 2,405 x 1,320	5	30	4,600 x 2,405 x 1,320
265	2,130	1,590	203	MVW3000G4 A0265 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	3,800 x 2,405 x 1,320	5	30	4,600 x 2,405 x 1,320
310	2,510	1,870	238	MVW3000G4 A0310 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	4,400 x 2,405 x 1,320	5	30	4,600 x 2,405 x 1,320
340	2,750	2,050	261	MVW3000G4 A0340 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	4,400 x 2,405 x 1,320	5	30	4,600 x 2,405 x 1,320
400	3,230	2,410	307	MVW3000G4 A0400 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,250 x 2,640 x 1,620	5	30	5,950 x 2,640 x 1,620
450	3,640	2,710	345	MVW3000G4 A0450 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,250 x 2,640 x 1,620	5	30	5,950 x 2,640 x 1,620
500	4,040	3,010	383	MVW3000G4 A0500 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,550 x 2,640 x 1,620	5	30	5,950 x 2,640 x 1,620
550	4,440	3,310	422	MVW3000G4 A0550 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,550 x 2,640 x 1,620	5	30	5,950 x 2,640 x 1,620
600	4,850	3,610	460	MVW3000G4 A0600 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,550 x 2,640 x 1,620	5	30	5,950 x 2,640 x 1,620
650	5,250	3,910	498	MVW3000G4 A0650 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,550 x 2,640 x 1,820	5	30	5,950 x 2,640 x 1,820
700	5,650	4,210	537	MVW3000G4 A0700 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,550 x 2,640 x 1,820	5	30	5,950 x 2,640 x 1,820
750	6,130	4,570	575	MVW3000G4 A0750 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,550 x 2,640 x 1,820	10	30	5,950 x 2,640 x 1,820
800	6,460	4,810	613	MVW3000G4 A0800 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	4	24	5,550 x 2,640 x 1,820	10	30	5,950 x 2,640 x 1,820
855	6,910	5,150	656	MVW3000G4 A0855 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24	Under request	10	30	Under request
950	7,680	5,720	728	MVW3000G4 A0950 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24		10	30	
1,045	8,440	6,290	801	MVW3000G4 A1045 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24		10	30	
1,140	9,210	6,860	874	MVW3000G4 A1140 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24		10	30	
1,235	9,980	7,430	947	MVW3000G4 A1235 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24		10	30	
1,330	10,740	8,000	1,020	MVW3000G4 A1330 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24		10	30	
1,425	11,510	8,580	1,093	MVW3000G4 A1425 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24		10	30	
1,520	12,280	9,150	1,165	MVW3000G4 A1520 V041 TxA 072 Dyy AC □ I21 ST SN F0 ♦	8	24		10	30	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

5.5 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	430	320	31	MVW3000G4 A0040 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
50	540	400	38	MVW3000G4 A0050 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
60	640	480	46	MVW3000G4 A0060 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
70	750	560	54	MVW3000G4 A0070 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
80	860	640	61	MVW3000G4 A0080 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
90	970	720	69	MVW3000G4 A0090 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
100	1,070	800	77	MVW3000G4 A0100 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
110	1,180	880	84	MVW3000G4 A0110 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
125	1,330	990	96	MVW3000G4 A0125 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
140	1,490	1,110	107	MVW3000G4 A0140 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
160	1,700	1,270	123	MVW3000G4 A0160 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
180	1,920	1,430	138	MVW3000G4 A0180 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
200	2,130	1,590	153	MVW3000G4 A0200 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
225	2,400	1,790	173	MVW3000G4 A0225 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,600 x 2,405 x 1,320
265	2,830	2,110	203	MVW3000G4 A0265 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,600 x 2,405 x 1,320
310	3,320	2,470	238	MVW3000G4 A0310 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,800 x 2,405 x 1,320
340	3,640	2,710	261	MVW3000G4 A0340 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,800 x 2,405 x 1,320
400	4,270	3,180	307	MVW3000G4 A0400 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,300 x 2,640 x 1,620
450	4,810	3,580	345	MVW3000G4 A0450 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,300 x 2,640 x 1,620
500	5,340	3,980	383	MVW3000G4 A0500 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,600 x 2,640 x 1,620
550	5,880	4,380	422	MVW3000G4 A0550 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,600 x 2,640 x 1,620
600	6,400	4,770	460	MVW3000G4 A0600 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,600 x 2,640 x 1,620
650	6,940	5,170	498	MVW3000G4 A0650 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	6	36	6,600 x 2,640 x 1,820
700	7,480	5,570	537	MVW3000G4 A0700 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	6	36	6,600 x 2,640 x 1,820
750	8,120	6,050	575	MVW3000G4 A0750 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	12	36	6,600 x 2,640 x 1,820
800	8,540	6,360	613	MVW3000G4 A0800 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	12	36	6,600 x 2,640 x 1,820
855	9,130	6,800	656	MVW3000G4 A0855 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30	Under request	12	36	Under request
950	10,150	7,560	728	MVW3000G4 A0950 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		12	36	
1,045	11,150	8,310	801	MVW3000G4 A1045 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		12	36	
1,140	12,170	9,070	874	MVW3000G4 A1140 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		12	36	
1,235	13,190	9,830	947	MVW3000G4 A1235 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		12	36	
1,330	14,200	10,580	1,020	MVW3000G4 A1330 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		12	36	
1,425	15,220	11,340	1,093	MVW3000G4 A1425 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		12	36	
1,520	16,230	12,090	1,165	MVW3000G4 A1520 V055 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		12	36	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

6.0 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	470	350	31	MVW3000G4 A0040 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
50	580	430	38	MVW3000G4 A0050 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
60	700	520	46	MVW3000G4 A0060 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
70	820	610	54	MVW3000G4 A0070 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,400 x 2,405 x 1,220	6	36	3,400 x 2,405 x 1,220
80	930	690	61	MVW3000G4 A0080 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
90	1,050	780	69	MVW3000G4 A0090 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
100	1,170	870	77	MVW3000G4 A0100 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
110	1,280	950	84	MVW3000G4 A0110 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
125	1,450	1,080	96	MVW3000G4 A0125 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
140	1,640	1,220	107	MVW3000G4 A0140 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
160	1,870	1,390	123	MVW3000G4 A0160 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
180	2,090	1,560	138	MVW3000G4 A0180 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
200	2,340	1,740	153	MVW3000G4 A0200 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	3,900 x 2,405 x 1,220	6	36	3,900 x 2,405 x 1,220
225	2,620	1,950	173	MVW3000G4 A0225 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,600 x 2,405 x 1,320
265	3,090	2,300	203	MVW3000G4 A0265 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,600 x 2,405 x 1,320
310	3,610	2,690	238	MVW3000G4 A0310 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,800 x 2,405 x 1,320
340	3,960	2,950	261	MVW3000G4 A0340 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	4,600 x 2,405 x 1,320	6	36	4,800 x 2,405 x 1,320
400	4,660	3,470	307	MVW3000G4 A0400 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,300 x 2,640 x 1,620
450	5,250	3,910	345	MVW3000G4 A0450 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,300 x 2,640 x 1,620
500	5,830	4,340	383	MVW3000G4 A0500 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,600 x 2,640 x 1,620
550	6,400	4,770	422	MVW3000G4 A0550 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,600 x 2,640 x 1,620
600	6,990	5,210	460	MVW3000G4 A0600 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,620	6	36	6,600 x 2,640 x 1,620
650	7,570	5,640	498	MVW3000G4 A0650 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	6	36	6,600 x 2,640 x 1,820
700	8,160	6,080	537	MVW3000G4 A0700 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	6	36	6,600 x 2,640 x 1,820
750	8,860	6,600	575	MVW3000G4 A0750 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	6	36	6,600 x 2,640 x 1,820
800	9,320	6,940	613	MVW3000G4 A0800 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	5	30	5,950 x 2,640 x 1,820	6	36	6,600 x 2,640 x 1,820
855	9,960	7,420	656	MVW3000G4 A0855 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30	Sob consulta	10	36	Sob consulta
950	11,070	8,250	728	MVW3000G4 A0950 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		10	36	
1,045	12,170	9,070	801	MVW3000G4 A1045 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		10	36	
1,140	13,280	9,890	874	MVW3000G4 A1140 V060 TxA 072 Dyy AC □ I21 ST SN F0 ♦	10	30		10	36	
1,235	14,390	10,720	947	MVW3000G4 A1235 V060 TxA 072 D30 AC □ I21 ST SN F0 ♦	10	30		10	36	
1,330	15,490	11,540	1,020	MVW3000G4 A1330 V060 TxA 072 D30 AC □ I21 ST SN F0 ♦	10	30		10	36	
1,425	16,600	12,370	1,093	MVW3000G4 A1425 V060 TxA 072 D30 AC □ I21 ST SN F0 ♦	10	30		10	36	
1,520	17,710	13,190	1,165	MVW3000G4 A1520 V060 TxA 072 D30 AC □ I21 ST SN F0 ♦	10	30		10	36	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

6.3 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	480	360	31	MVW3000G4 A0040 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
50	620	460	38	MVW3000G4 A0050 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
60	740	550	46	MVW3000G4 A0060 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
70	860	640	54	MVW3000G4 A0070 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
80	980	730	61	MVW3000G4 A0080 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
90	1,100	820	69	MVW3000G4 A0090 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
100	1,220	910	77	MVW3000G4 A0100 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
110	1,340	1,000	84	MVW3000G4 A0110 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
125	1,530	1,140	96	MVW3000G4 A0125 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
140	1,720	1,280	107	MVW3000G4 A0140 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
160	1,960	1,460	123	MVW3000G4 A0160 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,900 x 2,405 x 1,220
180	2,200	1,640	138	MVW3000G4 A0180 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,900 x 2,405 x 1,220
200	2,440	1,820	153	MVW3000G4 A0200 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,900 x 2,405 x 1,220
225	2,750	2,050	173	MVW3000G4 A0225 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	4,600 x 2,405 x 1,320	7	42	5,600 x 2,405 x 1,320
265	3,250	2,420	203	MVW3000G4 A0265 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	4,600 x 2,405 x 1,320	7	42	5,600 x 2,405 x 1,320
310	3,800	2,830	238	MVW3000G4 A0310 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	4,800 x 2,405 x 1,320	7	42	5,900 x 2,405 x 1,320
340	4,160	3,100	261	MVW3000G4 A0340 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	4,800 x 2,405 x 1,320	7	42	5,900 x 2,405 x 1,320
400	4,900	3,650	307	MVW3000G4 A0400 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,300 x 2,640 x 1,620	7	42	8,000 x 2,640 x 1,620
450	5,500	4,100	345	MVW3000G4 A0450 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,300 x 2,640 x 1,620	7	42	8,000 x 2,640 x 1,620
500	6,120	4,560	383	MVW3000G4 A0500 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,620	7	42	10,500 x 2,640 x 1,620
550	6,720	5,010	422	MVW3000G4 A0550 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,620	7	42	10,500 x 2,640 x 1,620
600	7,340	5,470	460	MVW3000G4 A0600 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,620	7	42	10,500 x 2,640 x 1,620
650	7,950	5,920	498	MVW3000G4 A0650 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
700	8,560	6,380	537	MVW3000G4 A0700 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
750	9,300	6,930	575	MVW3000G4 A0750 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
800	9,790	7,290	613	MVW3000G4 A0800 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
855	10,460	7,790	656	MVW3000G4 A0855 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36	Under request	14	42	Under request
950	11,620	8,660	728	MVW3000G4 A0950 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36		14	42	
1,045	12,780	9,520	801	MVW3000G4 A1045 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36		14	42	
1,140	13,950	10,390	874	MVW3000G4 A1140 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36		14	42	
1,235	15,110	11,260	947	MVW3000G4 A1235 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36		14	42	
1,330	16,270	12,120	1,020	MVW3000G4 A1330 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36		14	42	
1,425	17,430	12,990	1,093	MVW3000G4 A1425 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36		14	42	
1,520	18,590	13,850	1,165	MVW3000G4 A1520 V063 TxA 072 Dyy AR □ I21 ST SN F0 ♦	12	36		14	42	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.
2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.
3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.
4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.
5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.
x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.
yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.
□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.
♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

6.6 kV to 6.9 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	510	380	31	MVW3000G4 A0040 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
50	640	480	38	MVW3000G4 A0050 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
60	770	570	46	MVW3000G4 A0060 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
70	900	670	54	MVW3000G4 A0070 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,400 x 2,405 x 1,220	7	42	4,150 x 2,405 x 1,220
80	1,020	760	61	MVW3000G4 A0080 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
90	1150	860	69	MVW3000G4 A0090 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
100	1,280	950	77	MVW3000G4 A0100 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
110	1,410	1,050	84	MVW3000G4 A0110 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
125	1,600	1,190	96	MVW3000G4 A0125 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
140	1,800	1,340	107	MVW3000G4 A0140 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,700 x 2,405 x 1,220
160	2,050	1,530	123	MVW3000G4 A0160 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,900 x 2,405 x 1,220
180	2,310	1,720	138	MVW3000G4 A0180 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,900 x 2,405 x 1,220
200	2,560	1,910	153	MVW3000G4 A0200 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	3,900 x 2,405 x 1,220	7	42	4,900 x 2,405 x 1,220
225	2,890	2,150	173	MVW3000G4 A0225 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	4,600 x 2,405 x 1,320	7	42	5,600 x 2,405 x 1,320
265	3,400	2,530	203	MVW3000G4 A0265 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	4,600 x 2,405 x 1,320	7	42	5,600 x 2,405 x 1,320
310	3,970	2,960	238	MVW3000G4 A0310 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	4,800 x 2,405 x 1,320	7	42	5,900 x 2,405 x 1,320
340	4,360	3,250	261	MVW3000G4 A0340 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	4,800 x 2,405 x 1,320	7	42	5,900 x 2,405 x 1,320
400	5,130	3,820	307	MVW3000G4 A0400 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,300 x 2,640 x 1,620	7	42	8,000 x 2,640 x 1,620
450	5,770	4,300	345	MVW3000G4 A0450 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,300 x 2,640 x 1,620	7	42	8,000 x 2,640 x 1,620
500	6,400	4,770	383	MVW3000G4 A0500 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,620	7	42	10,500 x 2,640 x 1,620
550	7,050	5,250	422	MVW3000G4 A0550 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,620	7	42	10,500 x 2,640 x 1,620
600	7,690	5,730	460	MVW3000G4 A0600 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,620	7	42	10,500 x 2,640 x 1,620
650	8,330	6,210	498	MVW3000G4 A0650 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
700	8,970	6,680	537	MVW3000G4 A0700 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
750	9,740	7,260	575	MVW3000G4 A0750 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
800	10,260	7,640	613	MVW3000G4 A0800 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	6	36	6,600 x 2,640 x 1,820	7	42	10,500 x 2,640 x 1,820
855	10,950	8,160	656	MVW3000G4 A0855 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36	Under request	14	42	Under request
950	12,170	9,070	728	MVW3000G4 A0950 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36		14	42	
1,045	13,400	9,980	801	MVW3000G4 A1045 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36		14	42	
1,140	14,600	10,880	874	MVW3000G4 A1140 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36		14	42	
1,235	15,830	11,790	947	MVW3000G4 A1235 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36		14	42	
1,330	17,040	12,700	1,020	MVW3000G4 A1330 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36		14	42	
1,425	18,260	13,600	1,093	MVW3000G4 A1425 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36		14	42	
1,520	19,480	14,510	1,165	MVW3000G4 A1520 V069 TxA 072 Dyy AC □ I21 ST SN F0 ♦	12	36		14	42	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

10 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	780	580	31	MVW3000G4 A0040 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
50	970	720	38	MVW3000G4 A0050 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
60	1,170	870	46	MVW3000G4 A0060 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
70	1,360	1,010	54	MVW3000G4 A0070 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
80	1,560	1,160	61	MVW3000G4 A0080 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
90	1,740	1,300	69	MVW3000G4 A0090 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
100	1,950	1,450	77	MVW3000G4 A0100 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
110	2,130	1,590	84	MVW3000G4 A0110 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
125	2,430	1,810	96	MVW3000G4 A0125 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
140	2,720	2,030	107	MVW3000G4 A0140 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
160	3,100	2,310	123	MVW3000G4 A0160 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	6,000 x 2,405 x 1,320	10	60	6,000 x 2,405 x 1,320
180	3,490	2,600	138	MVW3000G4 A0180 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	6,000 x 2,405 x 1,320	10	60	6,000 x 2,405 x 1,320
200	3,880	2,890	153	MVW3000G4 A0200 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	6,000 x 2,405 x 1,320	10	60	6,000 x 2,405 x 1,320
225	4,360	3,250	173	MVW3000G4 A0225 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	8,000 x 2,405 x 1,320	10	60	8,400 x 2,405 x 1,320
265	5,140	3,830	203	MVW3000G4 A0265 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	8,000 x 2,405 x 1,320	10	60	8,400 x 2,405 x 1,320
310	6,010	4,480	238	MVW3000G4 A0310 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	8,400 x 2,405 x 1,320	10	60	8,800 x 2,625 x 1,320
340	6,600	4,920	261	MVW3000G4 A0340 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	8,400 x 2,405 x 1,320	10	60	8,800 x 2,625 x 1,320
400	7,770	5,790	307	MVW3000G4 A0400 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,620	10	60	11,800 x 2,640 x 1,620
450	8,740	6,510	345	MVW3000G4 A0450 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,620	10	60	11,800 x 2,640 x 1,620
500	9,700	7,230	383	MVW3000G4 A0500 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,620	10	60	11,800 x 2,640 x 1,620
550	10,680	7,960	422	MVW3000G4 A0550 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,620	10	60	11,800 x 2,640 x 1,620
600	11,650	8,680	460	MVW3000G4 A0600 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,620	10	60	11,800 x 2,640 x 1,620
650	12,620	9,400	498	MVW3000G4 A0650 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,820	10	60	11,800 x 2,640 x 1,820
700	13,590	10,130	537	MVW3000G4 A0700 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,820	10	60	11,800 x 2,640 x 1,820
750	14,750	10,990	575	MVW3000G4 A0750 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,820	10	60	11,800 x 2,640 x 1,820
800	15,530	11,570	613	MVW3000G4 A0800 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	9	54	11,200 x 2,405 x 1,820	10	60	11,800 x 2,640 x 1,820
855	16,600	12,370	656	MVW3000G4 A0855 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54	Under request	20	60	Under request
950	18,440	13,740	728	MVW3000G4 A0950 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54		20	60	
1,045	20,300	15,120	801	MVW3000G4 A1045 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54		20	60	
1,140	22,130	16,490	874	MVW3000G4 A1140 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54		20	60	
1,235	23,980	17,870	947	MVW3000G4 A1235 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54		20	60	
1,330	25,820	19,240	1,020	MVW3000G4 A1330 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54		20	60	
1,425	27,670	20,610	1,093	MVW3000G4 A1425 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54		20	60	
1,520	29,510	21,990	1,165	MVW3000G4 A1520 V100 TxA 120 Dyy AC □ I21 ST SN F0 ♦	18	54		20	60	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

11 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	860	640	31	MVW3000G4 A0040 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
50	1,070	800	38	MVW3000G4 A0050 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
60	1,280	950	46	MVW3000G4 A0060 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
70	1,490	1,110	54	MVW3000G4 A0070 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	4,350 x 2,405 x 1,320	10	60	4,350 x 2,405 x 1,320
80	1,700	1,270	61	MVW3000G4 A0080 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
90	1,920	1,430	69	MVW3000G4 A0090 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
100	2,130	1,590	77	MVW3000G4 A0100 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
110	2,350	1,750	84	MVW3000G4 A0110 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
125	2,670	1,990	96	MVW3000G4 A0125 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
140	2,990	2,230	107	MVW3000G4 A0140 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	5,800 x 2,405 x 1,320	10	60	5,800 x 2,405 x 1,320
160	3,420	2,550	123	MVW3000G4 A0160 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	6,000 x 2,405 x 1,320	10	60	6,000 x 2,405 x 1,320
180	3,840	2,860	138	MVW3000G4 A0180 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	6,000 x 2,405 x 1,320	10	60	6,000 x 2,405 x 1,320
200	4,270	3,180	153	MVW3000G4 A0200 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	6,000 x 2,405 x 1,320	10	60	6,000 x 2,405 x 1,320
225	4,810	3,580	173	MVW3000G4 A0225 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	8,400 x 2,405 x 1,320	10	60	8,400 x 2,405 x 1,320
265	5,660	4,220	203	MVW3000G4 A0265 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	8,400 x 2,405 x 1,320	10	60	8,400 x 2,405 x 1,320
310	6,620	4,930	238	MVW3000G4 A0310 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	8,800 x 2,625 x 1,320	10	60	8,800 x 2,625 x 1,320
340	7,260	5,410	261	MVW3000G4 A0340 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	8,800 x 2,625 x 1,320	10	60	8,800 x 2,625 x 1,320
400	8,540	6,360	307	MVW3000G4 A0400 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,620	10	60	11,800 x 2,640 x 1,620
450	9,610	7,160	345	MVW3000G4 A0450 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,620	10	60	11,800 x 2,640 x 1,620
500	10,680	7,960	383	MVW3000G4 A0500 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,620	10	60	11,800 x 2,640 x 1,620
550	11,740	8,750	422	MVW3000G4 A0550 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,620	10	60	11,800 x 2,640 x 1,620
600	12,820	9,550	460	MVW3000G4 A0600 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,620	10	60	11,800 x 2,640 x 1,620
650	13,880	10,340	498	MVW3000G4 A0650 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,820	10	60	11,800 x 2,640 x 1,820
700	14,950	11,140	537	MVW3000G4 A0700 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,820	10	60	11,800 x 2,640 x 1,820
750	16,230	12,090	575	MVW3000G4 A0750 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,820	20	60	11,800 x 2,640 x 1,820
800	17,090	12,730	613	MVW3000G4 A0800 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	10	60	11,800 x 2,640 x 1,820	20	60	11,800 x 2,640 x 1,820
855	18,260	13,600	656	MVW3000G4 A0855 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60	Under request	20	60	Under request
950	20,300	15,120	728	MVW3000G4 A0950 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60		20	60	
1,045	22,320	16,630	801	MVW3000G4 A1045 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60		20	60	
1,140	24,350	18,140	874	MVW3000G4 A1140 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60		20	60	
1,235	26,380	19,650	947	MVW3000G4 A1235 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60		20	60	
1,330	28,410	21,160	1,020	MVW3000G4 A1320 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60		20	60	
1,425	30,440	22,670	1,093	MVW3000G4 A1425 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60		20	60	
1,520	32,470	24,190	1,165	MVW3000G4 A1520 V110 TxA 120 Dyy AC □ I21 ST SN F0 ♦	20	60		20	60	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

13.2 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	1,020	760	31	MVW3000G4 A0040 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320	12	72	5,150 x 2,500 x 1,320
50	1,280	950	38	MVW3000G4 A0050 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320	12	72	5,150 x 2,500 x 1,320
60	1,540	1,150	46	MVW3000G4 A0060 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320	12	72	5,150 x 2,500 x 1,320
70	1,800	1,340	54	MVW3000G4 A0070 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320	12	72	5,150 x 2,500 x 1,320
80	2,050	1,530	61	MVW3000G4 A0080 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320	12	72	6,600 x 2,500 x 1,320
90	2,310	1,720	69	MVW3000G4 A0090 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320	12	72	6,600 x 2,500 x 1,320
100	2,560	1,910	77	MVW3000G4 A0100 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320	12	72	6,600 x 2,500 x 1,320
110	2,820	2,100	84	MVW3000G4 A0110 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320	12	72	6,600 x 2,500 x 1,320
125	3,210	2,390	96	MVW3000G4 A0125 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320	12	72	6,600 x 2,500 x 1,320
140	3,580	2,670	107	MVW3000G4 A0140 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320	12	72	6,600 x 2,500 x 1,320
160	4,110	3,060	123	MVW3000G4 A0160 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,900 x 2,500 x 1,320	12	72	6,900 x 2,500 x 1,320
180	4,620	3,440	138	MVW3000G4 A0180 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,900 x 2,500 x 1,320	12	72	6,900 x 2,500 x 1,320
200	5,130	3,820	153	MVW3000G4 A0200 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,900 x 2,500 x 1,320	12	72	6,900 x 2,500 x 1,320
225	5,770	4,300	173	MVW3000G4 A0225 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,500 x 1,320	12	72	9,200 x 2,500 x 1,320
265	6,790	5,060	203	MVW3000G4 A0265 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,500 x 1,320	12	72	9,200 x 2,500 x 1,320
310	7,950	5,920	238	MVW3000G4 A0310 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,750 x 1,320	12	72	9,200 x 2,750 x 1,320
340	8,710	6,490	261	MVW3000G4 A0340 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,750 x 1,320	12	72	9,200 x 2,750 x 1,320
400	10,260	7,640	307	MVW3000G4 A0400 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	13,500 x 2,750 x 1,620	12	72	13,500 x 2,750 x 1,620
450	11,530	8,590	345	MVW3000G4 A0450 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	13,500 x 2,750 x 1,620	12	72	13,500 x 2,750 x 1,620
500	12,820	9,550	383	MVW3000G4 A0500 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,620	12	72	14,500 x 2,750 x 1,620
550	14,090	10,500	422	MVW3000G4 A0550 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,620	12	72	14,500 x 2,750 x 1,620
600	15,380	11,460	460	MVW3000G4 A0600 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,620	12	72	14,500 x 2,750 x 1,620
650	16,660	12,410	498	MVW3000G4 A0650 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820	12	72	14,500 x 2,750 x 1,820
700	17,940	13,370	537	MVW3000G4 A0700 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820	12	72	14,500 x 2,750 x 1,820
750	19,480	14,510	575	MVW3000G4 A0750 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820	12	72	14,500 x 2,750 x 1,820
800	20,510	15,280	613	MVW3000G4 A0800 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820	12	72	14,500 x 2,750 x 1,820
855	21,920	16,330	656	MVW3000G4 A0855 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72	Under request	24	72	Under request
950	24,350	18,140	728	MVW3000G4 A0950 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72		24	72	
1,045	26,780	19,950	801	MVW3000G4 A1045 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72		24	72	
1,140	29,220	21,770	874	MVW3000G4 A1140 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72		24	72	
1,235	31,650	23,580	947	MVW3000G4 A1235 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72		24	72	
1,330	34,090	25,400	1,020	MVW3000G4 A1330 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72		24	72	
1,425	36,520	27,210	1,093	MVW3000G4 A1425 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72		24	72	
1,520	38,960	29,020	1,165	MVW3000G4 A1520 V132 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72		24	72	

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

MVW3000 G4 - Standard versions

13.8 kV motor voltage 50/60 Hz					Standard & Bypass			Redundant N+1		
Normal Duty (ND[1])			Heavy Duty (HD[2])	MVW3000 G4 - VSD Models CE & UL Std & Bypass & Redundant power cells[5]	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)	Qty cells phase	Standard rectifier no. of pulses	Dimensions W x H x D (mm)
Rated output current (A)[4]	Power (HP)[3]	Power (kW)[3]	Rated output current (A)[4]							
40	1070	800	31	MVW3000G4 A0040 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320	Not available		
50	1,340	1,000	38	MVW3000G4 A0050 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320			
60	1,610	1,200	46	MVW3000G4 A0060 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320			
70	1,880	1,400	54	MVW3000G4 A0070 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	5,150 x 2,500 x 1,320			
80	2,150	1,600	61	MVW3000G4 A0080 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320			
90	2,420	1,800	69	MVW3000G4 A0090 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320			
100	2,680	2,000	77	MVW3000G4 A0100 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320			
110	2,950	2,200	84	MVW3000G4 A0110 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320			
125	3,360	2,500	96	MVW3000G4 A0125 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320			
140	3,740	2,790	107	MVW3000G4 A0140 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,600 x 2,500 x 1,320			
160	4,280	3,190	123	MVW3000G4 A0160 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,900 x 2,500 x 1,320			
180	4,820	3,590	138	MVW3000G4 A01.80 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,900 x 2,500 x 1,320			
200	5,360	3,990	153	MVW3000G4 A0200 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	6,900 x 2,500 x 1,320			
225	6,030	4,490	173	MVW3000G4 A0225 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,500 x 1,320			
265	7,100	5,290	203	MVW3000G4 A0265 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,500 x 1,320			
310	8,310	6,190	238	MVW3000G4 A0310 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,750 x 1,320			
340	9,110	6,790	261	MVW3000G4 A0340 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	9,200 x 2,750 x 1,320			
400	10,720	7,990	307	MVW3000G4 A0400 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	13,500 x 2,750 x 1,620			
450	12,050	8,980	345	MVW3000G4 A0450 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	13,500 x 2,750 x 1,620			
500	13,400	9,980	383	MVW3000G4 A0500 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,620			
550	14,740	10,980	422	MVW3000G4 A0550 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,620			
600	16,080	11,980	460	MVW3000G4 A0600 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,620			
650	17,420	12,980	498	MVW3000G4 A0650 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820			
700	18,760	13,970	537	MVW3000G4 A0700 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820			
750	20,360	15,170	575	MVW3000G4 A0750 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820			
800	21,440	15,970	613	MVW3000G4 A0800 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	12	72	14,500 x 2,750 x 1,820			
855	22,910	17,070	656	MVW3000G4 A0855 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72	Under request			
950	25,450	18,960	728	MVW3000G4 A0950 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72				
1,045	28,000	20,860	801	MVW3000G4 A1045 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72				
1,140	30,550	22,760	874	MVW3000G4 A1140 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72				
1,235	33,090	24,650	947	MVW3000G4 A1235 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72				
1,330	35,640	26,550	1,020	MVW3000G4 A1330 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72				
1,425	38,180	28,450	1,093	MVW3000G4 A1425 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72				
1,520	40,730	30,340	1,165	MVW3000G4 A1520 V138 TxA 175 Dyy AC □ I21 ST SN F0 ♦	24	72				

Notes: 1) ND = Normal Duty overload capacity: maximum current/power with 115% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

2) HD = Heavy Duty overload capacity: maximum current/power with 150% overload for 60 sec every 10 min. Consult the factory for applications that demand higher overload capacity.

3) Motor power is for reference only and it is based on 4P motor, with 0.87 P.F. and 96% efficiency at full load.

4) The ratings apply at 40 °C ambient temperature and up to 1,000 meters above sea level. See derating information.

5) The standard MVW3000 is safe for the control of WEG Inverter Duty motors with drive to motor cable lengths up to 200 meters and motor rated voltages ≤6,900 V. Refer to the optional filter pages for longer motor cable lengths and "Coding" section with general options.

x = Check frequency: replace "x" by "5" = 50 Hz or "6" = 60 Hz.

yy = Check the number of pulses in the subsequent columns and replace "yy" with the number.

□ = Check cell type: replace "□" by "S" = Standard or "B" = Bypass or "R" = Redundant.

♦ = Check certification: replace "♦" by "CE" or "UL". Versions 5.5 kV to 10 kV without UL option.

Technical data

Power supply	Input and output voltages	1,150 to 13,800 V (±10%, -20% with output power derating), other input voltages under request	
	Frequency	50 or 60 Hz (specify according to requirement) ±3%	
	Voltage unbalance between phases	<3%	
	Cos Φ	>0.95	
	Overvoltage category	Category III	
	Dry-type phase shifting transformer standard built-in	With surge arresters on primary HV side	
		Impedance matched for the secondary windings to minimize line side harmonics & reduce losses	
		Transformer winding temperature monitoring (Pt-100 in windings) available via optional 8 channel temperature monitor	
		Efficiency	96% for aluminum winding transformers and 96.5% for copper winding transformers (higher efficiencies on request)
	Input switchgear (optional)	Disconnect switch fuses and vacuum contactor up to 6.9 kV AC	
		Metal clad switchboard up to 36 kV (MTW lines)	
		Mechanical interlocking to prevent access to HV section when switch is in ON position	
		Bottom or top cable entry	
Auxiliary power supply	Voltages	Three-phase: 220, 380, 400, 415, 440, 460 or 480 V	
	Frequency	50 or 60 Hz (±3%)	
	Voltage unbalance between phases	<3%	
Enclosure	Degree of protection	IP21 (IP41 and IP42 optional)	
	Color	RAL 7035	
	Painting plan	80 µm epoxy powder coating, similar to C3 H of ISO 12944-6:2018 and IEE C37.23 standards	
	Cable entry and exit options	Top / bottom entry and bottom exit	
Operation environment conditions	Temperature	0 to 40 °C (up to 50 °C with output current derating of 2.5% / °C)	
	Humidity	5 to 90% non-condensing	
	Altitude	0 to 1,000 m (up to 4,000 m with derating of 10% / 1,000 m)	
	Pollution grade	2	
Power output	Motor voltage	1,150 to 13,800 V	
	Topology	Cascaded H-Bridge (CHB)	
	Frequency range	0...120 Hz (above on request)	
	Overload capacity	115% for 60 seconds every 10 minutes	
		150% for 60 seconds every 10 minutes	
Control	Microprocessor	32 bits	
	Control method	Sinusoidal PWM	
	Type of control	Scalar (V/f), Vector	
	IGBT switching frequency	500 Hz	
	Switching frequency per cell	1,000 Hz	
	Inverter switching frequency	1,000 Hz x cell quantity	
Performance	Efficiency (typical values)	> 96.0% (transformer with aluminium windings)	
		> 96.5% (transformer with copper windings)	
	Speed control	V/f induction motor	- Setting: 1% of the rated speed (with slip compensation) - Resolution: 1 rpm (reference via HMI keypad)
		VVW PM motor	
		VVW synchronous machine, with sensor to assist starting (with optional RSSI board)	
		With sensors	Setting: - Optional card ACCE-ENC1 for incremental encoder: ±0.01% of the rated speed with digital reference (keypad, serial, Fieldbus, electronic potentiometer, multispeed) - Optional card RSSI for absolute encoder): ±0,1% of the rated speed with 10-bit analog input
		Sensorless	Setting: 0.5% of the rated speed
			Speed variation range: 1:100
Input interfaces, outputs, storage and communication	Inputs	Analog (standard interface)	2 differential analog inputs
			Isolated from power circuits
			Levels: -10/0 to 10 V (11 bits + signal), 0/4 to 20 mA (10 bits)
			Maximum voltage: 30 V
			Maximum current: 25 mA
			Impedance: 400 kΩ (voltage mode), 250 Ω (current mode)
			Maximum common mode voltage: 10 V

Technical data

Input interfaces, outputs, storage and communication	Inputs	Digital (standard interface)	6 digital inputs: - DI1 to DI4: 4 isolated digital inputs Low level: V_{DC} -3 V to 5 V, I<1.5 mA High level: V_{DC} > 11 V, I>2 mA Current: 8 mA @ 24 V (typical) Maximum voltage: 30 V_{DC} Maximum current: 11 mA @ 30 V_{DC} - DI5 and DI6: 2 isolated digital inputs Low level: V_{DC} -3 V to 5 V, I<0.5 mA High level: V_{DC} > 15 V, I>2 mA Current: 10 mA @ 24 V (typical) Maximum voltage: 30 V_{DC} Maximum current: 13 mA @ 30 V_{DC} Maximum frequency: 32 kHz Frequency speed reference
	Outputs	Analog (standard interface)	2 analog outputs
			Isolated from power circuits
			Levels: 0 to 10 V (12 bits), 0/4 to 20 mA (12 bits)
			Load: RL 1 kΩ (voltage mode), RL 600 Ω (current mode)
		Digital (standard interface)	2 transistor digital outputs (NPN)
			Isolated from power circuits
			Maximum current: 40 mA
			Protected against short circuit to GND
			Maximum voltage: 24 V_{DC}
			With freewheeling diode for 24 V_{DC} supply
			Maximum frequency: 32 kHz
		Relay (standard intarface with CFW900-REL-01 module)	3 relay outputs (total): - 2 relay outputs with NO contact - 1 relay output with NO/NC contact
			Maximum voltage: 30 V_{DC}, 250 V_{AC}, OVC III
			Maximum current: 2 A
			Minimum current: 10 mA@5 V_{DC}
			400 V TVS between contacts
	MicroSD card slot[1)]	Features	Card requirements: 32 GB maximum size
			Industrial temperature (-40 °C to 85 °C)
			FAT32 file system
	Communication	RS485 (standard interface)	Isolated RS485 interface
			Modbus-RTU protocol
		Dual port Ethernet network (RJ45) (standard interface)	Two RJ45 Ethernet connectors
			10/100 Mbps data rate with integrated dual port switch
			Available protocols: MQTT, Modbus-TCP, EtherNet/IP
		Fieldbus (optional)	CANopen; DeviceNet; EtherCAT; Profibus-DP; PROFINET-IRT
Optional interfaces	Optional modules	Optional accessories for slot installation (backplane with 6 slots available for modules)	
		CFW900-CCAN-W	CAN interface module (CANopen/DeviceNet)
		CFW900-IOAI-01	Module with 3 analog inputs and 2 isolated analog outputs
		CFW900-IOD-01	Module with 8 isolated digital inputs and 8 isolated digital outputs
		CFW900-REL-01	Module with 3 digital relay outputs (1 unit supplied as standard)
		CFW900-TEMP-01	Module with 6 isolated inputs for PTC/Pt-100/Pt-1000 sensors
		CFW900-CECAT-N	EtherCAT interface module[2)]
		CFW900-CPN-IRT-N	Profinet IRT interface module[2)]
		CFW900-CPDP-N	Profibus-DP interface module[2)]
	Optional cards	Optional accessories that do not fill slots	
		ACCE-ENC	Incremental encoder module (installed on CCE card)
		RSSI	Absolute encoder module
		Protection and temperature monitoring relays	Protection and thermal monitoring of the motor and transformer
		MicroSD slot	
		CFW900-SDC	8 GB MicroSD card with industrial temperature
Softwares	Configuration, programming and local monitoring software	WEG Programming Suite (WPS) download at *www.weg.net*	
	Asset management platform	Compatible with WEG Motion Fleet Management (WEG MFM)	
		License for a limited period, check if available and activate the product	
		IoT Ready product with MQTT protocol	

Technical data

Safety	Protections (record of the last 10 faults and 10 alarms, both with date and time)	DC link overvoltage	Output short circuit
		DC link undervoltage	Output ground fault
		Overheating in the frequency inverter and motor	External fault
		Output overcurrent	Self-diagnosis of faults and programming errors
		Motor overload (I x t)	Serial communication fault
		Dynamic braking resistor overload	Power supply phase failure
		CPU/EPROM error (Watchdog)	
HMI	Control	Start/Stop, programming of general functions	
		Increase/decrease speed	
		JOG, rotation direction inversion and Local/Remote	
	Supervision (reading) (record of the last 10 faults and 10 alarms, both with date and time)	Speed reference (rpm)	Output current (A)
		Motor speed (rpm)	Output voltage (V)
		Proportional speed value (e.g. ft/min)	Inverter status
		Output frequency (Hz)	Digital input status
		DC link voltages (V)	Digital output status
		Motor torque (%)	Status of relay outputs
		Output power (kW)	Analog input value
		Motor operating hours (h)	Fault/alert messages
		VSD operating hours (h)	
	Features	10-inch color TFT LCD HMI touch	
		Password to protect drive programming	
		LCD display language selection: English, Spanish, French, German and Portuguese	
Control characteristics	Standard	Self-diagnosis of faults and auto-reset	
		Parameter reset to factory or user default values	
		Slip compensation (V/Hz mode)	
		Manual torque boost - I x R (V/Hz mode)	
		Adjustable V/Hz curve (V/Hz mode)	
		Minimum and maximum set points for speed, current and voltage on the DC link	
		Adjustable motor overload protection	
		Adjustable digital offset and gain for analog inputs	
		Adjustable digital gain for analog outputs	
		JOG+/JOG- function (momentary speed increase/decrease)	
		Copy-paste/backup function (drive ↔ HMI)	
		Comparison functions for the digital outputs: N1) > Nx; N > Nx; N < Nx ; N = 0; N = N1); Is > Ix ; Is < Ix; T > Tx and T < Tx[3]	
		Linear and “S-type” ramps and double ramp	
		Independent deceleration and acceleration ramps	
		Multi-speed function (up to 8 speed presets)	
		Special indicators (hour meter and wattmeter)	
		Superimposed PID regulator (for automatic level, flow, pressure and weight control)	
		Direction of rotation selection (H/AH)	
		Local/remote operation selection	
		Flying start function (reconnection with a rotating load)	
		Critical speed rejection (up to 3 speeds)	
		Ride-through function (operation during momentary loss of power)	
Compliance / standards	Electromagnetic compatibility	2014/30/EU – EMC Directive	
		Standard EN 61800-3 (EMC - emission and immunity)	
	CEI - IEC 61800	Adjustable Speed Electrical Power Drive System	
		Part 4 - General Requirements	
		Part 5 - Safety Requirements	
	RoHS	2011/65/EU	
		2015/863/EU	
Certifications	CE / EAC / UKCA / UL		

Notes: 1) MicroSD card not included.
2) Only one of these modules can be added to the inverter at a time. For additional features, see the accessory manual on the WEG website.
3) N = Motor speed; N1) = Speed reference; Is = Output current and T = Motor torque.

Testing facilities

Every equipment manufactured is tested in our labs. This guarantees the performance and saves time during commissioning and start-up.
The tests of WEG MV VSD will be conducted in accordance with the following standards: IEC 60146-1, 61800-3, 61800-4 and 61800-5.

- Routine tests: visual inspection, insulation, dielectric voltage-withstand, light load, checking of auxiliary devices, checking the control equipment properties and checking the protective devices.
- Type tests: paint plan, rated load, temperature rise and efficiency / power losses.
- Especial tests: power factor, overload / overcurrent capability, harmonic distortion and ground fault test.

Routine tess, type tests and combined/string tests (VSD + Motor) can be performed in the same manufacturing plant. Please consult WEG for further information.

WEG laboratories – load tests in our facilities

Combined test (MV Incoming Switchgear + Phase-shifting Transformer + MV VSD + MV Motor)

Global presence is essential, as much as understanding your needs.

Global Presence

With more than 47,000 employees worldwide, WEG is one of the largest electric motors, electronic equipments and systems manufacturers. We are constantly expanding our portfolio of products and services with expertise and market knowledge. We create integrated and customized solutions ranging from innovative products to complete after-sales service.

WEG's know-how guarantees our ***Medium Voltage Variable Speed Drive*** is the right choice for your application and business, assuring safety, efficiency and reliability.

- **Availability** is to have a global support network
- **Partnership** is to create solutions that suits your needs
- **Competitive edge** is to unite technology and inovation

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Excelence is to provide a whole solution in industrial automation that improves our customers productivity.

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is not limited to products and solutions
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