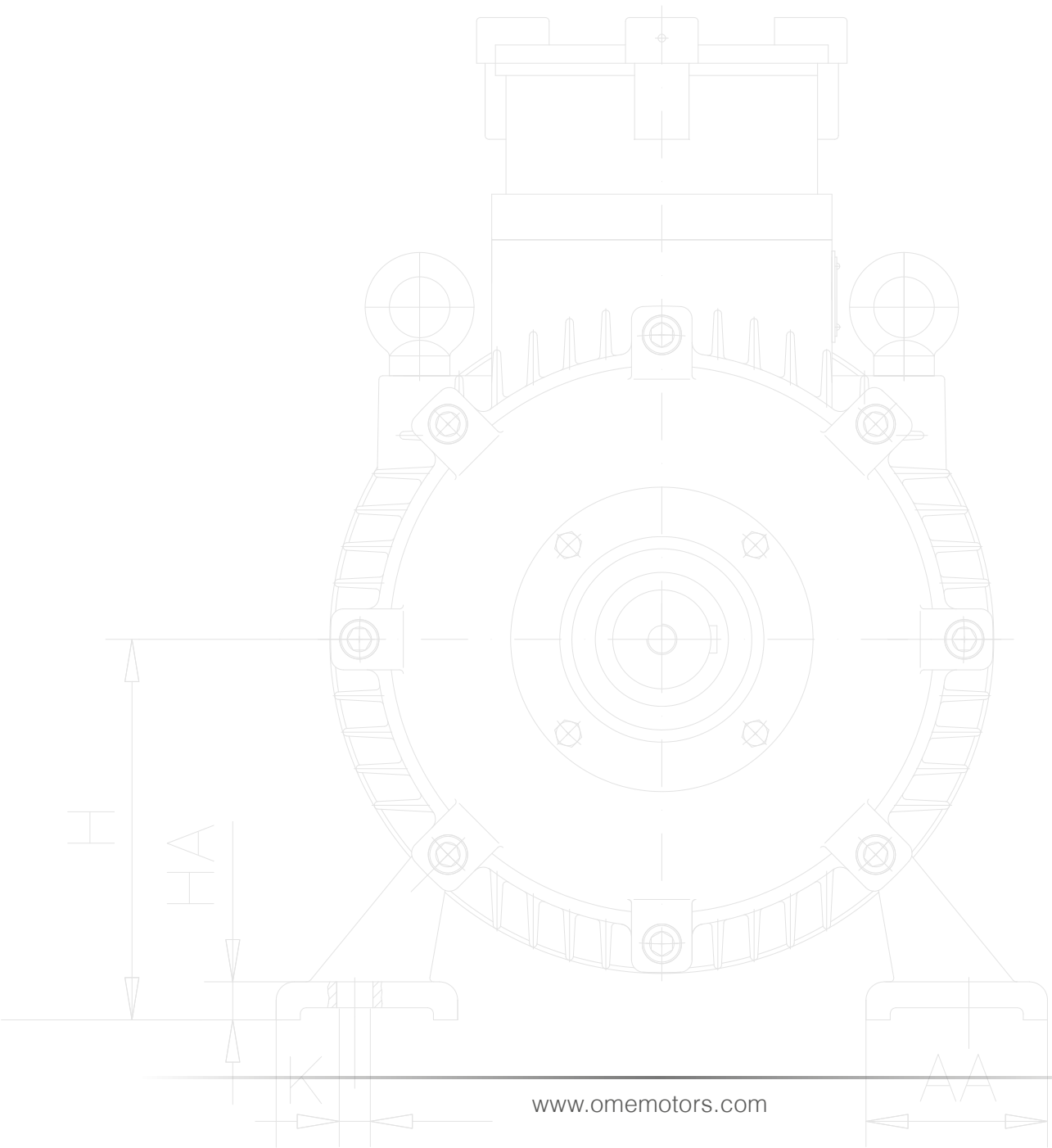
OMV SERIES

HIGH-VOLTAGE THREE-PHASE INDUCTION ELECTRIC MOTOR

www.omemotors.com

ISO14000 ISO9001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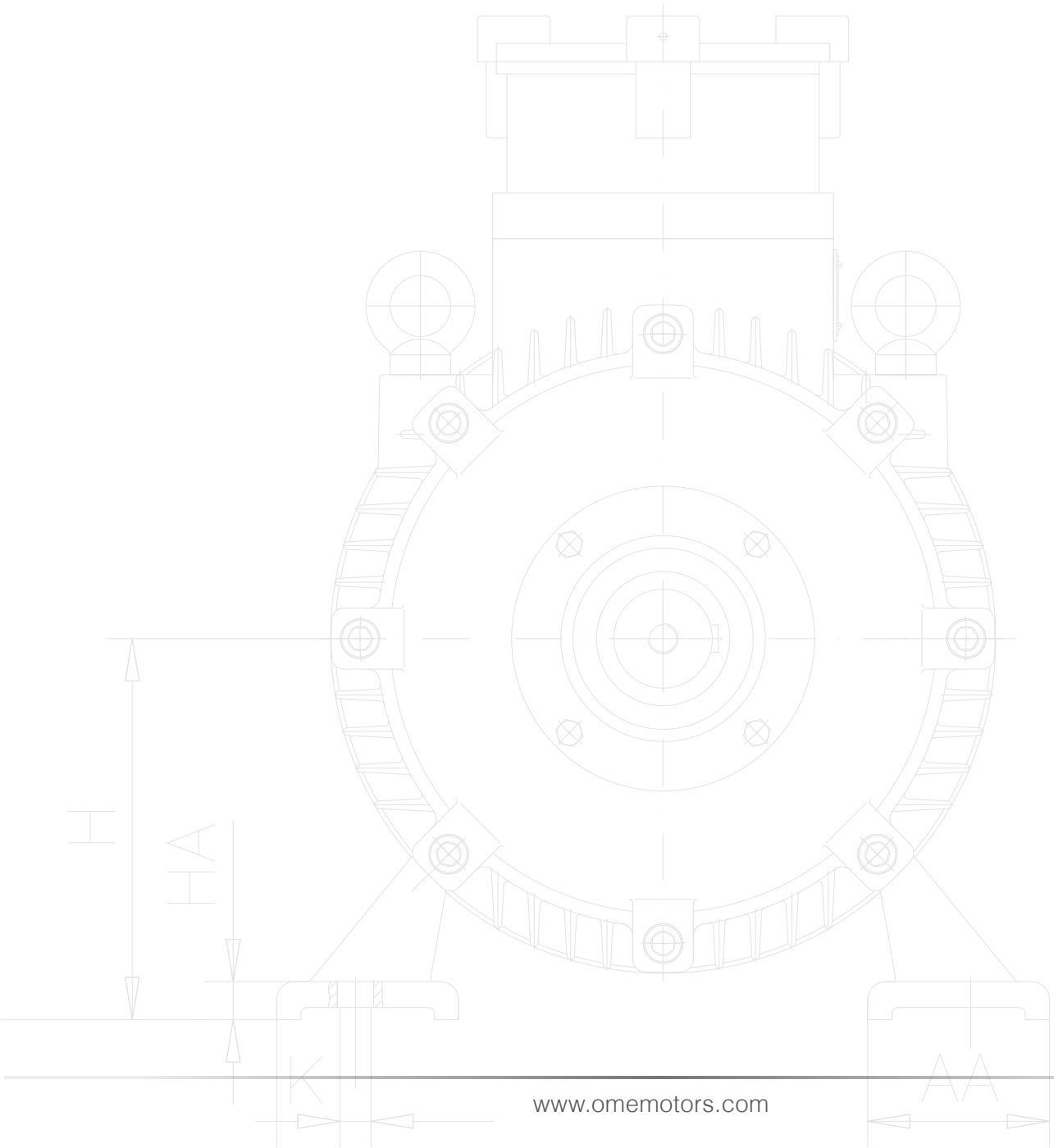
GENERAL INFORMATION



OME MV SERIES

THREE PHASE ELECTRIC MOTOR HIGH VOLTAGE SERIES

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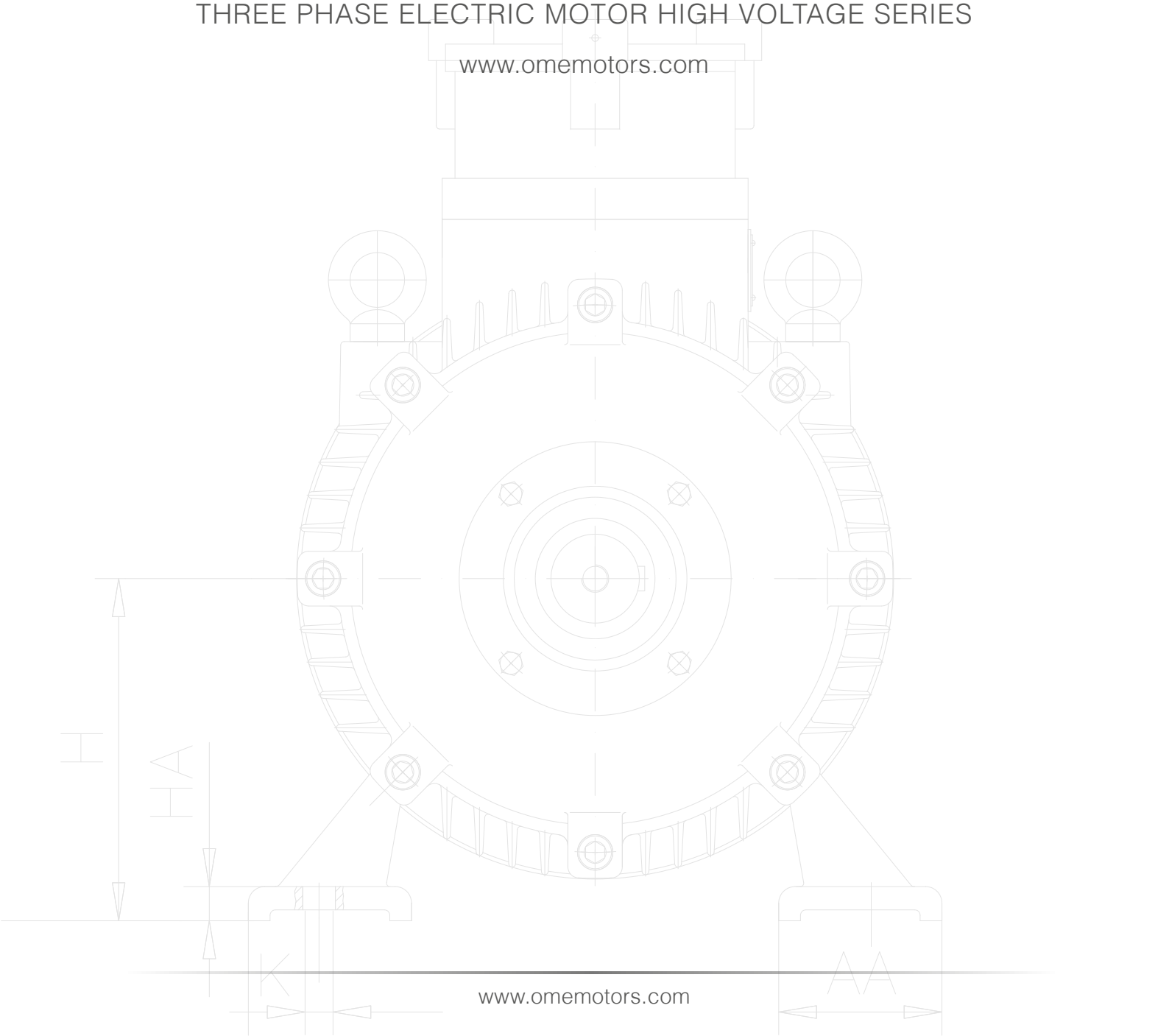


OME Electric Motors and Orsatti Group

OME is a well-established global reality born from the Orsatti family's long experience in the electrical machinery sector and characterized by a history in continuous evolution.

The key points that distinguish the Orsatti Group are in particular:

- Technical experience of over 50 years
- The continuous research for new solutions to increase the performance of our electric motors
- Development of technical solutions in compliance with current standards
- The tailor-made service to customize the motors on customer request
- The wide range of production to meet any market need
- The constant research for suitable solutions to increase the efficiency of our electric motors
- Compliance with the standards required for energy saving and environmental protection

MISSION

Our mission is to be a leading company in the production of electric motors at an international level.

VISION

Our vision is to design and manufacture highly customized motors, meeting the most varied customer requirements, managing to make competitive even the smallest realities.

VALUES

- The high quality of production, sales, service and maintenance;
- Intelligent and low costs logistics;
- Providing motors, services and expertise to save energy and improve customer processes throughout the life cycle of our products and beyond.

OME MV SERIES
THREE PHASE ELECTRIC MOTOR HIGH VOLTAGE SERIES

High Voltage and Medium Voltage Motors: Maximum Efficiency, High Customization Capability.

OME Motors' medium-voltage motors and three-phase asynchronous high-voltage motors are characterized by a high build quality. What differentiates them is the modularity of the cooling system: depending on the model, in fact, high voltage motors and medium voltage motors can be IC 411-416-511-611- IC 81W. In particular the high Voltage motors equipped with the IC 611 air to air cooling system (OMVK model) are built from a steel sheet, welded to the frame, which ensures lightness and at the same time stability.

Characteristics and Operating Conditions of High Voltage and Medium Voltage Motors.
The high voltage and medium voltage electric motors are equipped with a laminated core which, before being mounted in the frame, is compressed and protected, then pressed. These particular construction procedures guarantee the high voltage and medium voltage motors of OME Motors excellent insulating performance, greater mechanical resistance, better resistance to humidity and long life.
The cage rotor is made of aluminum and is equipped with copper bars. Furthermore, the rotor is made with a process of aluminum casting and subsequent welding, two phases necessary to guarantee maximum reliability and perfect balancing.
Depending on the power and speed of the electric motors, or based on the specifications required by the customer, roller or bushing bearings can also be used. The main terminal block is located on the right side of the electric motor but can also be placed on the left side, according to specific needs. Both the inside and the outside of the terminal box are equipped with separate terminals.

At the user's request, the stator winding and the bearings can be equipped with sensors for measuring the temperature, ensuring the operation of the motor in safety and reliability over time.
Finally, high voltage electric motors can also work with a frequency converter, thus improving cost savings throughout the life cycle of the device.

OME Motors OMVK electric motors are highly efficient three-phase electric motors that offer excellent performance and high energy savings. These are self-ventilated motors equipped with IC 611 cooling systems with air-to-air heat exchanger.
The OMVK motors designed and made to measure by OME Motors have a light and compact structure and are ideal for application in various fields of the industrial sector.

The Advantages of High Voltage and Medium Voltage Electric Motors.

Custom designed and manufactured using the best performing and innovative materials, high voltage motors have technical features that can provide numerous advantages, such as:

- Wide possibility of customization, customizable design based on needs, availability of any construction form.
- Extreme lightness, despite its large size.
- Maximum efficiency, consistent performance and reliability over time.
- Easy assembly and maintenance.
- High flexibility of use.
- Low noise and low vibration.
- Compliance with international IEC standards.

Areas of Usage of High Voltage and Medium Voltage Motors.

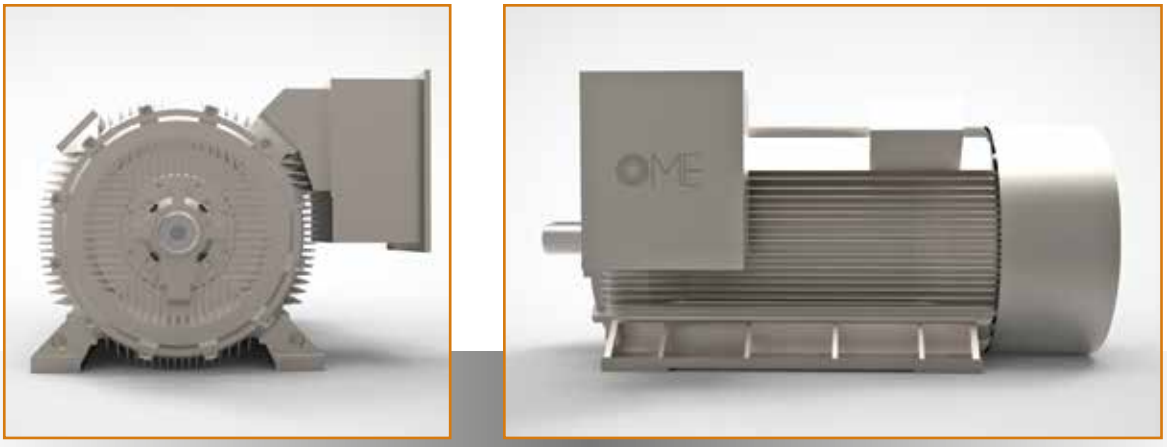
OME Motors produces medium voltage and high voltage electric motors for safe environments but also for work areas with explosive atmospheres. These devices, in fact, find application in the most disparate sectors, from cement factories to steel mills, from power plants to water purification, treatment and desalination systems, from sugar factories to wind energy generation plants. Furthermore, high voltage and medium voltage motors are ideal for the application and operation of pumps, compressors, boilers, conveyor belts, fans and blowers, mills, crushers and shredders, laminators and equipment for steel plants, turbines and general of all the machinery present in the heavy industry. Finally, these motors can be made with a squirrel cage or with a wound rotor.

OME Motors OMVK electric motors are highly efficient three-phase electric motors that offer excellent performance and high energy savings. These are self-ventilated motors equipped with IC 611 cooling systems with air-to-air heat exchanger.
The OMVK motors designed and made to measure by OME Motors have a light and compact structure and are ideal for application in various fields of the industrial sector.

Series OMV IC411

Compact • Efficient • Reliable • Solid

OME Motors' OMV series includes high and medium voltage three-phase electric motors characterized by a compact structure and IC 411 cooling system. These are self-ventilating motors using a special fan connected to the shaft: cooling air is external and touches the surface of the casing.
The High Voltage electric motors of the OMV series are designed to offer maximum efficiency while guaranteeing effective savings in energy consumption, and therefore in operating costs.



Series OMV

SERIES COMPACT-TYPED HIGH-VOLTAGE THREE-PHASE

INDUCTION ELECTRIC MOTOR IP54, IP55 - IC411 (H355-560)

1. GENERAL DESCRIPTION

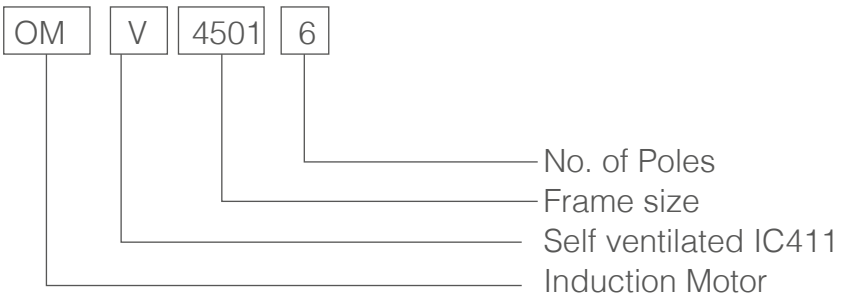
OMV series compact structure three-phase electric asynchronous motors have high-efficiency, are energy-saving products which we developed in the 21st century. It is an optimized series in the latest international technology and our stable designing and manufaturing experience. The performances are in line international advanced level, protection class in IP54 or IP55.

The performance and mounting dimensions meet the IEC standards. Our company has been certified ISO9001 international quality system, the whole operation including ordering, R&D, manufacturing, sales and service is in the line of ISO9001 quality system.
The production is designed base on power supply of 50 Hz (60 Hz in request), 6 kV (3 kV, 3.3 kV, 6.6 kV on request), mounting IMB3 (IMB35, IMV1 on request).

Cold-rolled lamination steel is used to get low loss and high efficiency. Insulation class F (temperature rise B) and VPI process insured the insulation system. Tha basic cooling method is IC411, the cooling and heat-dispassion condition is mature. It has the advantage of high efficiency, low vibration, low noise and easy-maintenance.
The motor is allowed to have DOL or Y starting.

The series motors are three phase asynchronous motors for general purpose, which are applicable to drive various types of universal machines, such as compressors, fan and ventilator, pumps and crushers as well as other mechanical equipment.
Also widely used in petrochemical industries, chemical plants, medicine factories, mining and power plants as prime movers in other harsh environments.

2. EXPLANATION OF TYPE DESIGNATION



DEFINITION:

OMV series squirrel cage, three-phase asynchronous electric motor
For example: OMV 4501 means center height of 450mm, 6 pole squirrel cage three-phase asyncrhonous electric motor.

3. CONSTRUCTION FEATURES

OMV series motors adopt international advanced high-strength cast iron structure. The frame and the shield are made of high-strength cast iron. The exterior cooling ribs are of vertical distributing. Therefore, the motors have good cooling capability, rigidity and stoutness.

The stator core and the frame adopt external pressing structure, and it is easy for maintenance. The stator winding is insulation class F, and it is fixed in the slot with the slot wedge, there are reliable fixation and colligation in its ends, in the process of manufacturing, it should pass several turns of interturn pulse voltage test and interturn voltage resistance test, and it is impregnated with no-solvent paint in VPI so that it features not only high-strength structure and insulation system, but also good electric performance and anti-moisture, and can be used in the severe environment.

The motor adopts aluminum casting structure of special technique. The rotor bar, end ring and fan are primary molding, improving its reliability and increasing its moment of inertia. With the fine rotor balance system, the motor is more stable, and lower the vibration and noise. With the rolling bearings the motors can have it lubrificated without being stopped. The excellent design can prevent the dust and rain from permeating into the motor.
The terminal box is of high protection and compact structure. The terminal connection is fixed very well which can be mounted from four directions. The terminal outlet box is generally to the right of the motor (viewed from the shaft extension end), and if the customer want to fit it in the left, they should specify when ordering.

4. INFORMATION FOR ORDERING

1. Please specify the motor type, power (kW), voltage, frequency, direction of rotation, protection degree, cooling method, special environment conditions and the driven mechanical equipment requirements when ordering.

2. The stator and rotor of the motor are all fixed with temperature detector which are three PT100 thermal resistance on the both sides of the stator. Fore and rear bearings are all fixed with one PT100 thermal resistance respectively. If there is any special requirements please specify when ordering.

3. Standard position of main terminal box and auxiliary one (with PTC and heater) is on the right side of the motor looking from DE. It can be mounted on the left on request.

4. The supply network terminal voltage of OMV series motor is no less than 85% of the rated voltage while starting. The motor is allowed continuous cold starting twice (automatically stop between two starting) or hot start once after rated running and extra start should be an hour later after stop extra restart for 2-poles motor should be 4 hours later after stop).
For the driven equipment with resisting torque, such as pumps and blowers, avoid to restart frequently as much as possibile.

5. The shaft extension is generally not allowed to be with extra axial force and radical force except weight of the shaft coupling.
Please give clear indication of the force if there is radial force and axial force for vertical motor when ordering.

6. The technical specification must be agreed when requested as follows:
   1. The motor beyond the capacity and specification in tables.
   2. the vertical motor or the other motors with special mounting type.
   3. Special mounting dimension or motors with special structures.
   4. The motor to imitate the patterns of other motors.
   5. The motor of special requirements for property.
   6. The motor of the other special requirement.
   7. The technical data is subject to change without notice because of technical progress and the revising for domestic and international standards. Please ask for formal drawing and correlative information from O.M.E Srl after placing an order.

OMV series motors (6kV) - Table X

2P	Synchronous speed 3000r/min												
TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 355	1-2	185	22,6	2985	93,9	0,84	2	0,7	7	2,8	109	8	2035
	2-2	200	24,4	2985	94	0,84	2	0,7	7	2,8	109	8,5	2075
	3-2	220	26,8	2985	94,2	0,84	2	0,7	7	2,8	109	9,5	2160
	4-2	250	30,3	2985	94,4	0,84	2	0,7	7	2,8	111	10	2215
	5-2	280	33,1	2985	94,6	0,86	2	0,7	7	2,8	111	11	2280
OMV 400	1-2	315	37,2	2985	94,8	0,86	2	0,7	7	2,8	111	17	2630
	2-2	355	41,9	2985	94,9	0,86	2	0,7	7	2,8	111	18	2700
	3-2	400	47,1	2985	95,1	0,86	2	0,7	7	2,8	111	19,5	2830
	4-2	450	52,9	2985	95,2	0,86	2	0,7	7	2,8	111	21	2920
OMV 450	1-2	500	58	2985	95,3	0,87	2	0,7	7	2,8	111	22	3200
	2-2	560	64,9	2985	95,4	0,87	2	0,7	7	2,8	112	24	3300
	3-2	630	73	2985	95,5	0,87	2	0,7	7	2,8	112	27	3500
	4-2	710	82,1	2985	95,7	0,87	2	0,7	7	2,8	112	30	3600
OMV 500	1-2	800	91,5	2985	95,6	0,88	2	0,7	7	2,8	112	61	5360
	2-2	900	102,8	2985	95,7	0,88	2	0,7	7	2,8	112	65	5500
	3-2	1000	114	2985	95,9	0,88	2	0,7	7	2,8	112	69	5640
	4-2	1120	127,5	2985	96	0,88	2	0,7	7	2,8	113	75	5900
OMV 560	1-2	1250	140,6	2985	96,1	0,89	2	0,7	7	2,8	113	111	5800
	2-2	1400	157,2	2985	96,3	0,89	2	0,7	7	2,8	113	119	5860
	3-2	1600	179,3	2985	96,5	0,89	2	0,7	7	2,8	113	127	5930

4P	Synchronous speed 1500r/min												
TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 355	1-4	185	22,6	1488	93,7	0,84	2	0,8	6,5	2,8	106	19	2120
	2-4	200	24,4	1488	93,9	0,84	2	0,8	6,5	2,8	106	21,5	2220
	3-4	220	26,8	1488	94,1	0,84	2	0,8	6,5	2,8	106	23	2290
	4-4	250	30,4	1488	94,3	0,84	2	0,8	6,5	2,8	108	24,5	2340
	5-4	280	33,9	1488	94,5	0,84	2	0,8	6,5	2,8	108	25,5	2400
OMV 400	1-4	315	37,7	1488	94,6	0,85	2	0,8	6,5	2,8	108	32	2970
	2-4	355	42,4	1488	94,8	0,85	2	0,8	6,5	2,8	108	34	3080
	3-4	400	47,7	1488	95	0,85	2	0,8	6,5	2,8	108	37	3170
	4-4	450	53,5	1488	95,2	0,85	2	0,8	6,5	2,8	108	39	3250
OMV 450	1-4	500	58,7	1488	95,3	0,86	2	0,8	6,5	2,8	111	52	3500
	2-4	560	65,7	1488	95,4	0,86	2	0,8	6,5	2,8	111	58	3700
	3-4	630	73,8	1488	95,5	0,86	2	0,8	6,5	2,8	111	65	3950
	4-4	710	83,1	1488	95,6	0,86	2	0,8	6,5	2,8	111	73	4200
OMV 500	1-4	800	93,5	1488	95,7	0,86	2	0,8	6,5	2,8	111	130	5350
	2-4	900	105,1	1488	95,8	0,86	2	0,8	6,5	2,8	111	141	5540
	3-4	1000	116,7	1488	95,9	0,86	2	0,8	6,5	2,8	111	148	5700
	4-4	1120	130,5	1488	96	0,87	2	0,8	6,5	2,8	113	156	5800
OMV 560	1-4	1250	143,9	1488	96,1	0,87	2	0,7	6,5	2,8	113	252	5900
	2-4	1400	161	1488	96,2	0,87	2	0,7	6,5	2,8	113	272	5950
	3-4	1600	183,6	1488	96,4	0,87	2	0,7	6,5	2,8	113	305	6020

6P Synchronous speed 1000r/min

TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 355	3-6	160	20,6	987	934	0,80	2	0,8	6	2,8	102	26	2255
	4-6	185	23,9	987	93,5	0,8	2	0,8	6	2,8	102	28	2345
	5-6	200	25,7	987	93,8	0,8	2	0,8	6	2,8	102	31	2440
OMV 400	1-6	220	27,5	987	938	0,82	2	0,8	6	2,8	102	47	3010
	2-6	250	31,2	987	93,9	0,82	2	0,8	6	2,8	105	50	3110
	3-6	280	34,9	987	4,1	0,82	2	0,8	6	2,8	105	53	3200
	4-6	315	49,2	987	943	0,82	2	0,8	6	2,8	105	57	3250
OMV 450	1-6	355	43,6	987	94,5	0,83	2	0,8	6	2,8	105	54	3600
	2-6	400	49,0	987	94,6	0,83	2	0,8	6	2,8	105	73	3800
	3-6	450	55,1	987	947	0,83	2	0,8	6	2,8	105	81	3800
	4-6	500	61,1	987	94,9	0,83	2	0,8	6	2,8	105	90	4000
OMV 500	1-6	560	68,3	987	95,1	0,83	2	0,8	6	2,8	108	177	4200
	2-6	630	76,7	987	95,2	0,83	2	0,8	6	2,8	108	184	5370
	3-6	710	88,4	987	5,3	0,83	2	0,8	6	2,8	108	191	5500
	4-6	800	97,2	987	95,4	0,83	2	0,7	6	2,8	108	202	5830
OMV 560	1-6	900	107,8	987	95,6	0,84	2	0,7	6	2,8	108	388	5830
	2-6	1000	119,7	987	957	0,134	2	0,7	6	2,8	108	402	5930
	3-6	1120	134,0	987	958	0,84	2	0,7	6	2,8	110	423	6100
	4-6	1260	140,3	987	95,9	0,84	2	0,7	6	2,8	110	450	6150

8P Synchronous speed 750r/min

TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 400	1-8	180	21,7	742	93,2	0,76	2	0,8	5,5	2,8	99	50	3020
	2-8	188	25,1	742	93,3	0,76	2	0,8	5,5	2,8	99	52	3090
	3-8	200	26,7	742	93,5	0,77	2	0,8	5,5	2,8	99	56	3150
	4-8	220	29,3	742	93,7	0,77	2	0,8	5,5	2,8	99	61	3260
OMV 450	1-8	250	32,8	742	93,9	0,78	2	0,8	5,5	2,8	102	65	3600
	2-8	280	32,9	742	94,1	0,78	2	0,8	5,5	2,8	102	73	3800
	3-8	315	40,0	742	94,2	0,78	2	0,8	5,5	2,8	102	82	4000
	4-8	355	46,4	742	94,4	0,78	2	0,8	5,5	2,8	102	91	4200
OMV 500	1-8	400	51,6	742	945	0,79	2	0,8	5,5	2,8	102	177	5380
	2-	450	57,9	742	94,5	0,79	2	0,8	5,5	2,8	102	184	5510
	3-8	500	63,4	742	94,8	0,80	2	0,8	5,5	2,8	102	191	5640
	4-8	560	71,0	742	94,9	0,80	2	0,8	5,5	2,8	106	202	5850
OMV 560	1-8	6,3	78,7	742	95,1	0,81	2	0,7	5,5	2,8	105	480	6200
	2-8	710	88,6	742	95,3	0,81	2	0,7	5,5	2,8	105	510	6240
	3-8	800	99,7	742	95,4	0,81	2	0,7	6,6	2,8	105	535	6320
	4-8	900	111,9	742	956	0,81	2	0,7	5,5	2,8	106	580	6400

OMV series motors (10kV) - Table X

2P Synchronous speed 3000r/min

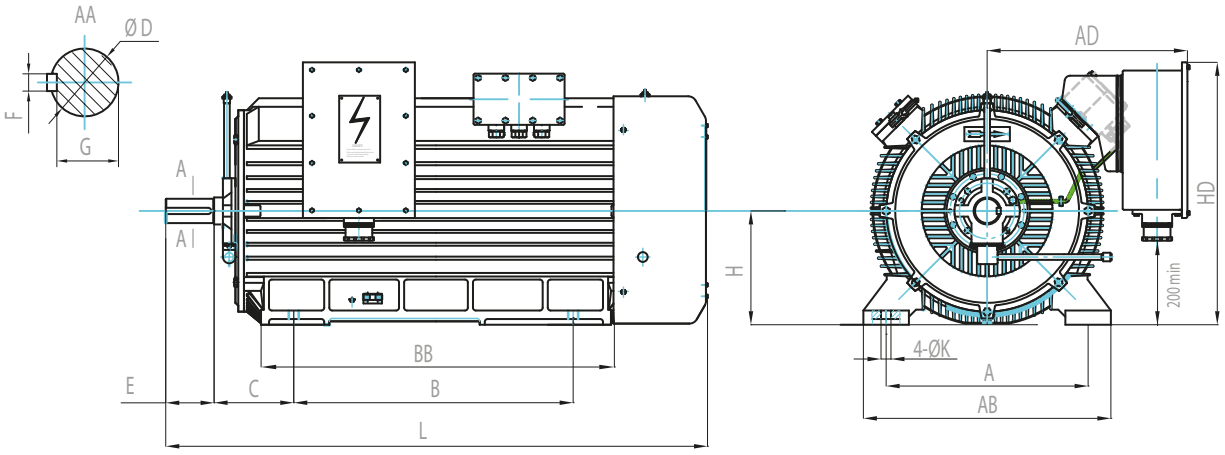
TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 400	1-2	200	14,5	2980	93,9	0,85	2	0,7	7	2,8	111	8,5	2600
	2-2	220	15,9	2980	94,0	0,85	2	0,7	7	2,8	111	9,5	2650
	3-2	250	18,0	2980	94,2	0,85	2	0,7	7	2,8	111	10	2700
	4-2	280	19,9	2980	94,4	0,85	2	0,7	7	2,8	111	11	2750
OMV 450	1-2	220	16,3	2985	92,8	0,84	2	0,7	7	2,8	111	17	2730
	2-2	250	18,5	2985	93,0	0,84	2	0,7	7	2,8	111	18	2800
	3-2	280	20,2	2985	93,1	0,86	2	0,7	7	2,8	111	19,5	2930
	4-2	315	22,7	2985	93,3	0,86	2	0,7	7	2,8	111	21	3120
	5-2	355	25,5	2985	93,5	0,86	2	0,7	7	2,8	111	22	3200
	6-2	400	28,7	2985	93,8	0,86	2	0,7	7	2,8	111	24	3300
	7-2	450	32,2	2985	93,9	0,86	2	0,7	7	2,8	111	27	3500
	8-2	500	35,3	2985	94,0	0,87	2	0,7	7	2,8	112	30	3600
OMV 500	1-2	560	39,5	2985	94,2	0,87	2	0,7	7	2,8	112	48	5050
	2-2	630	44,3	2985	94,4	0,87	2	0,7	7	2,8	112	54	5200
	3-2	710	49,8	2985	94,6	0,87	2	0,7	7	2,8	112	61	5360
	4-2	800	55,4	2985	94,8	0,88	2	0,7	7	2,8	112	65	5500
	5-2	900	62,2	2985	95,0	0,88	2	0,7	7	2,8	112	69	5640
OMV 560	1-2	1000	69,0	2985	95,1	0,88	2	0,7	7	2,8	112	75	5700
	2-2	1120	76,2	2985	95,3	0,89	2	0,7	7	2,8	112	111	5800
	3-2	1250	84,9	2985	95,5	0,89	2	0,7	7	2,8	112	119	5860
	4-2	1400	94,9	2985	95,7	0,89	2	0,7	7	2,8	112	127	5930

4P	Synchronous speed 1500r/min												
TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 400	1-4	200	14,7	1485	93,4	0,84	2	0,8	6,5	2,8	106	19	2700
	2-4	220	16,2	1485	93,6	0,84	2	0,8	6,5	2,8	106	21,5	2750
	3-4	250	18,3	1485	93,8	0,84	2	0,8	6,5	2,8	106	23	2780
	4-4	280	20,5	1485	94,0	0,84	2	0,8	6,5	2,8	106	24,5	2800
OMV 450	1-4	220	16,3	1488	92,7	0,84	2	0,8	6,5	2,8	106	21	2810
	2-4	250	18,5	1488	92,9	0,84	2	0,8	6,5	2,8	108	34	3000
	3-4	280	20,7	1488	93,0	0,84	2	0,8	6,5	2,8	108	38	3160
	4-4	315	22,9	1488	93,3	0,85	2	0,8	6,5	2,8	108	43	3350
	5-4	355	25,8	1488	93,4	0,85	2	0,8	6,5	2,8	108	52	3500
	6-4	400	29,0	1488	93,6	0,85	2	0,8	6,5	2,8	108	58	3700
	7-4	450	32,6	1488	93,8	0,85	2	0,8	6,5	2,8	108	65	3950
	8-4	500	35,7	1488	94,0	0,86	2	0,8	6,5	2,8	108	73	4200
OMV 500	1-4	560	39,9	1488	94,1	0,86	2	0,8	6,5	2,8	111	122	5130
	2-4	630	44,9	1488	94,3	0,86	2	0,8	6,5	2,8	111	130	5350
	3-4	710	50,4	1488	94,5	0,86	2	0,8	6,5	2,8	111	141	5540
	4-4	800	56,0	1488	94,8	0,87	2	0,8	6,5	2,8	111	148	5700
	5-4	900	62,9	1488	95,0	0,87	2	0,8	6,5	2,8	111	156	5800
OMV 560	1-4	1000	69,8	1488	95,1	0,87	2	0,8	6,5	2,8	111	230	5850
	2-4	1120	77,2	1488	95,2	0,88	2	0,8	6,5	2,8	111	252	5900
	3-4	1250	85,9	1488	95,4	0,88	2	0,8	6,5	2,8	113	272	5950
	4-4	1400	96,1	1488	95,6	0,88	2	0,8	6,5	2,8	113	305	6020

6P Synchronous speed 1000r/min

TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 400	1-6	160	12,5	990	92,5	0	2	0,7	6	2,8	108	28	2800
	2-6	185	14,4	900	92,6	0,8	2	0,7	6	2,8	105	31	2900
	3-6	200	15,6	890	92,7	0,8	2	0,7	6	2,8	105	47	29130
	4-6	220	16,7	990	2,9	0,82	2	0,8	6	2,8	105	50	3100
OMV 450	4-6	220	16,7	987	92,5	0,82	2	0,8	6	2,8	105	56	3400
	5-6	250	18,9	987	92,7	0,82	2	0,8	6	2,8	105	84	3600
	6-6	280	21,2	987	92,9	0,82	2	0,8	6	2,8	105	73	3800
	7-6	315	23,8	987	93,1	0,82	2	0,8	6	2,8	105	81	4000
	8-6	355	28,8	987	93,3	0,82	2	0,8	6	2,8	105	90	4200
OMV 500	1-6	400	30,1	987	93,5	0,82	2	0,8	6	2,8	105	170	5250
	2-6	450	33,4	987	93,7	0,83	2	0,8	6	2,8	105	177	5370
	3-6	500	37,0	987	93,8	0,83	2	0,8	6	2,8	108	184	5500
	4-6	560	41,4	987	94,1	0,83	2	0,8	6	2,8	108	191	5630
OMV 560	1-6	630	46,5	987	94,3	0,83	2	0,8	6	2,8	108	202	5830
	2-6	710	52,3	987	94,5	0,83	2	0,8	6	2,8	108	370	5840
	3-6	800	58,8	987	84,7	0,83	2	0,8	6	2,8	108	388	5930
	4-6	900	66,2	987	94,9	0,84	2	0,7	6	2,8	108	402	6020
	5-6	1000	72,2	987	95,1	0,84	2	0,7	6	2,8	108	423	13100
	6-6	1120	80,8	987	96,3	0,84	2	0,7	6	2,8	108	450	6150

8P	Synchronous speed 750r/min												
TYPE		Output (kw)	Rated Output (A)	Rated Speed (r/min)	Effic iency (%)	Power Factor (Cos Φ)	Pull out torque Rated torque	Locked torque Rated torque	Locked current Rated current	Vibration mm/s	Noise dB (A)	Fly wheel torque ($T.m^2$)	Weight (kg)
OMV 450	6-8	220	18,3	742	92,4	0.76	2	0,8	5,5	2,8	102	73	3800
	7-8	250	20,8	742	92,6	0,75	2	0,8	5,5	2,8	102	82	4000
	8-8	280	22,6	742	92,8	0,77	2	0,8	5,6	2,8	102	91	4200
OMV 500	2-8	316	25,4	742	93,0	0,77	2	0,8	5,6	2,8	102	171	5250
	3-8	355	28,6	742	93,2	0,77	2	0,8	5,5	2,8	102	177	5380
	4-8	400	31,3	742	93,4	0,79	2	0,8	6,6	2,8	102	184	6510
	5-8	450	35,2	742	93,5	0,79	2	0,8	5,5	2,8	105	191	5640
OMV 560	1-8	500	38,9	742	93,7	0,79	2	0,8	5,5	2,8	105	450	6100
	2-8	560	43,6	742	93,9	0,79	2	0,8	5,5	2,8	105	480	6200
	3-8	630	48,3	742	94,1	0,8	2	0,8	5,5	2,8	106	510	6240
	4-8	710	54,3	742	94,3	0,8	2	0,7	5,5	2,8	105	535	6320
	5-8	800	81,1	742	94,5	0,8	2	0,7	5,6	2,8	105	560	6400

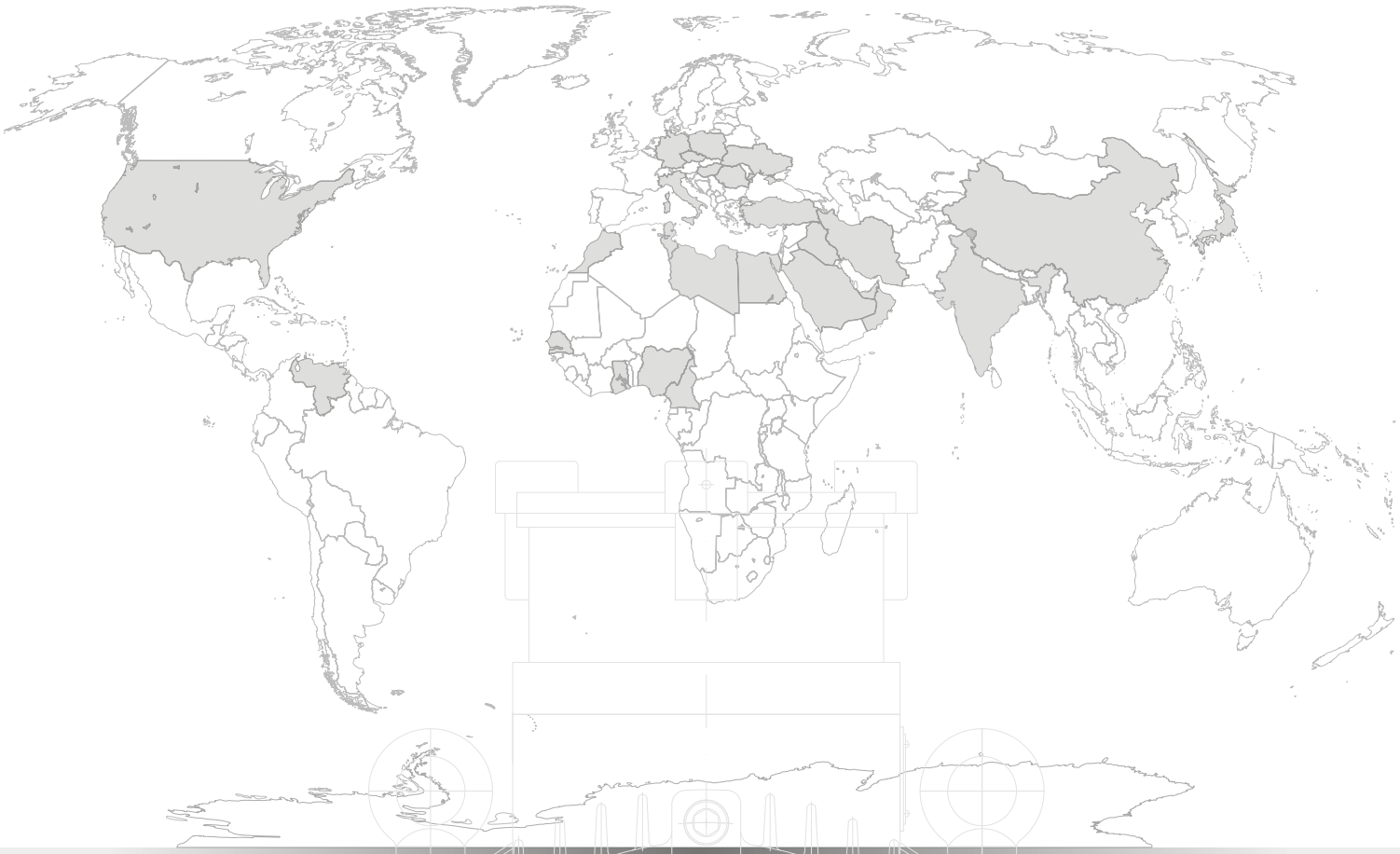


Mounting and overall dimensions (6 kV; 10 kV) frame size 355-560

Frame size	Poles	Mounting dimension																				Overall dimension				
		A		B		C		D		E		F		G		H		K		AB	AD	BB	HD	L
355	2 4-6	630	±1.4	900	±1.4	254	±4.0	75 100	+0.035 +0.013	140 210	±0.50 ±0.57	20 28	0 -0.052	67.5 90	0 -0.2	355	0 -0.1	28	+0.52 0	790	860	1110	1110	2000
400	2 4-6	710	±1.75	1000	±1.75	280	±4.0	85 110	+0.035 +0.013	170 210	±0.50 ±0.57	22 28	0 -0.052	76 100	0 -0.2	400	0 -0.1	35	+0.62 0	870	920	1200	1140	2200
450	2 4 6-8	800	±1.75	1120	±1.75	280	±4.0	95 120 130	+0.035 +0.013 +0.040 +0.015	170 210 250	±0.50 ±0.57 ±0.57	25 32 32	0 -0.052 0 -0.062	86 109 119	0 -0.2	450	0 -0.1	35	+0.62 0	950	930	1340	1250	2310
500	2 4 6-8	900	±2.1	1250	±2.1	425 315 315	±4.0	110 130 140	+0.035 +0.013 +0.040 +0.015	210 250 250	±0.57 ±0.57 ±0.57	28 32 36	0 -0.052 0 -0.062	100 119 128	0 -0.2 0 -0.3	500	0 -0.1	42	+0.62 0	1080	970	1490	1420	2600
560	2 4 6-8	1000	±2.1	1400	±2.1	530 355 355	±4.0	130 150 160	+0.040 +0.015	250 250 300	±0.57 ±0.57 ±0.65	32 36 40	0 -0.062	119 138 147	0 -0.2 0 -0.3	560	0 -0.1	42	+0.62 0	1180	1030	1680	1480	2900

CATALOGUE

OMV Series High-voltage Three-phase Induction Electric Motor



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Sede - Via N. Tartaglia N.6b 25064 Gussago (Bs) Italy - Cod.Fisc. e Partita IVA: 03276210980 - Tel.+39 030 3737072 - Fax. +39 030 2411395 - info@omemotors.com

www.omemotors.com