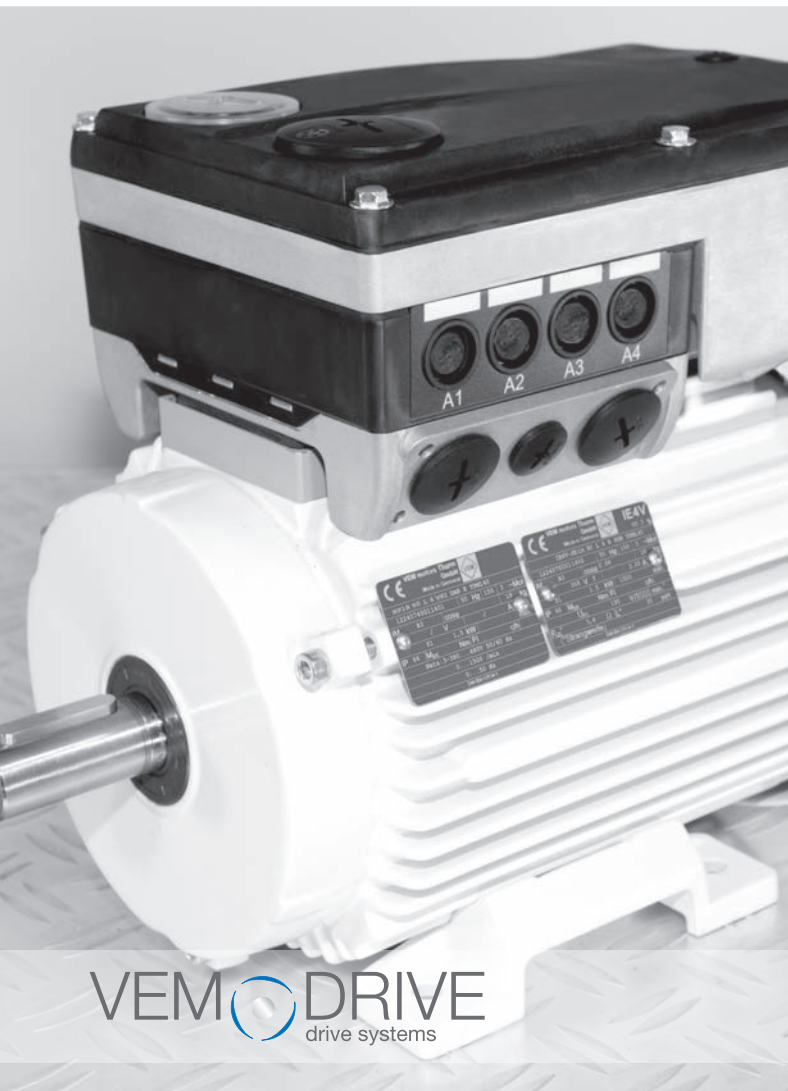




ELECTRIC DRIVES
FOR EVERY DEMAND

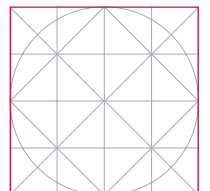


Variable-speed drives

VEMoDRIVE Compact

VEM DRIVE
drive systems

www.vem-group.com





VEMoDRIVE Compact

Compact drives are characterised by high energy and resource efficiency and flexibility. They are the ideal drive system for variable-speed pumps and ventilations in the lower output range. They have also proven their quality in global applications with machines with constant torque characteristics and standard requirements for dynamics and speed stability.

Compact, robust, cost-efficient

The compact unit, consisting of motor and inverter, offers significant cost advantages compared to conventional units:

- › no project planning for the drives
- › no separate mounting space for the inverter is needed
- › high vibration strength and high degree of protection as standard guarantee an extended lifetime
- › generally no output filter necessary
- › no motor cables only unshielded power cable needed
- › minimum mounting and installation costs
- › minimum startup costs

Versatile combinations

VEMoDRIVE Compact is available with the same options as the conventional setup (motor and frequency inverter separately). Options for the frequency inverter mainly include external control units and interfaces (e.g. bus interfaces), also input-output and control modules are available options.

For the motor these options primarily include: type of construction, degree of protection, forced ventilation unit and also brakes and encoders. The possibility of activating the brake and analyzing encoder signals can be enabled on request.

VEMoDRIVE Compact, drive systems in energy efficiency class IES2 to EN 50598

M . . R,	IE2-/IE3-Asynchronous motors, self-ventilated
M . . F,	IE2-/IE3-Asynchronous motors, force-ventilated
MP . . R,	IE4-PM-motors, self-ventilated
MP . . F,	IE4-PM-motors, force-ventilated

Sizes	71 to 180
Output range	0.55 – 22 kW
Degrees of protection	IP 55, IP 54, as option IP 65, IP 66 acc. to IEC/EN 60034-5
Types of construction	IM B3, IM B5, IM B14 and derived types of construction acc. to IEC/EN 60034-7



VEMoDRIVE Compact is suitable for all applications where pumps and ventilators provide for on-demand, energy-efficient media supplies in residential, commercial or factory buildings, as well as in agriculture or for sports and cultural facilities.

VEMoDRIVE Compact, drive systems in energy efficiency class IES2 to EN 50598:

Basic motors: Asynchronous motors of efficiency class IE2/IE3 for mains-fed operation according to IEC/EN60034-30-1 or IE3/IE4 for converter-fed operation according to **IEC 2CD 60034-30-2 TS 2015** (draft)

Output [kW]	Type M . . . -T, -DAN, -KOS			Type M . . . -VSI	
	Mains: 380...480 V 3AC, 50/60 Hz			Mains: 380...480 V 3AC, 50/60 Hz	
	2-pole	4-pole	6-pole	2-pole	4-pole
0.55	71 G2	80 K4	80 G6	71 G2	80 K4
0.75	80 K2	80 G4	90 S6	80 K2	80 G4
1.1	80 G2	90 S4	90 L6	80 G2	90 S4
1.5	90 S2	90 L4	100 LX6	90 S2	90 L4
2.2	90 L2	100 L4	112 MV6	90 L2	100 L4
3	100 L2	100 LX4	132 S6	100 L2	100 LX4
4	112 MX2	112 MZ4	132 M6	112 MX2	112 MZ4
5.5	132 S2	132 S4	132 MX6	132 S2	132 S4
7.5	132 SX2	132 M4	160 M6	132 SX2	132 M4
11				160 M2	160 M4
15				160 MX2	160 L4
18.5				180 L2	180 M4
22				180 M2	180 L4

VEMoDRIVE Compact, drive systems in energy efficiency class IES2 to EN 50598:

Basic motors: PM motors of efficiency class IE5 for converter-fed operation according to **IEC 2CD 60034-30-2 TS 2015** (draft)

Output [kW]	Type MP . . . -DAN, -KOS, -VSI		
	Mains: 380...480 V 3AC, 50/60 Hz		
	4-pole		6-pole
	100 Hz	50 Hz	50 Hz
0.55	71 G4	80 K4	80 G6
0.75	80 K4	80 G4	90 S6
1.1	80 G4	90 S4	90 L6
1.5	90 S4	90 L4	100 L6
2.2	90 L4	100 L4	112 M6
3	100 L4	100 LX4	132 S6T
4	112 MY4	112 M4	132 M6
5.5	132 SY4T	112 MX4	132 MX6
7.5	132 S4T	132 M4	160 M6



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