

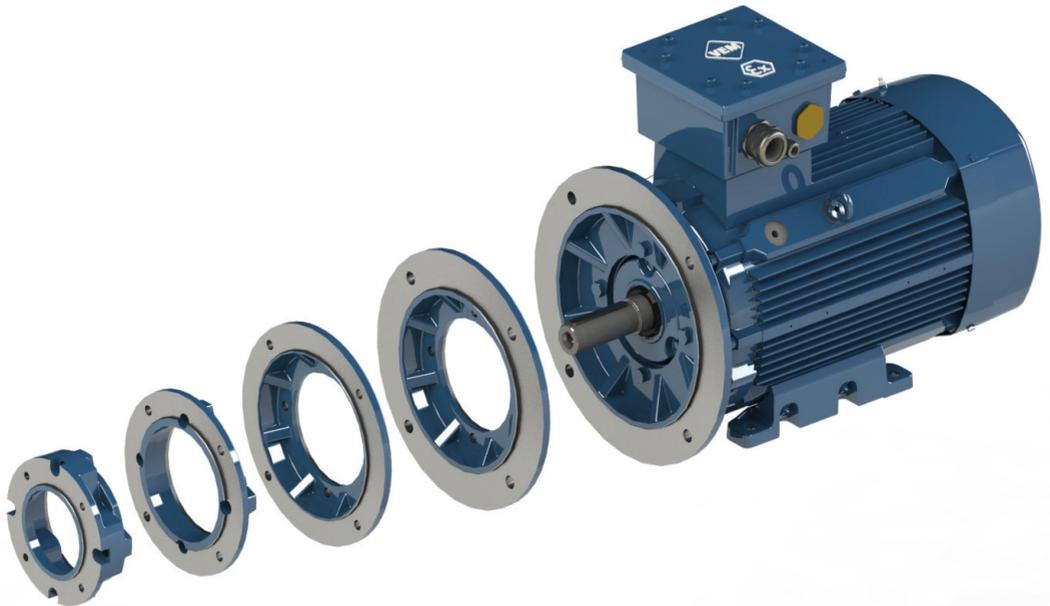


Flameproof Encapsulated Asynchronous Motors



ELECTRIC DRIVES
FOR EVERY DEMAND

Typ: IE3-W4 ... R ... Ex db (eb)
Typ: IE3-KP(E)RD ... Ex db (eb)
Typ: IE4-W6 ... R ... Ex db (eb)



Highlights

- Variable flange mounting
- Removable motor feet
- Modifiable terminal box

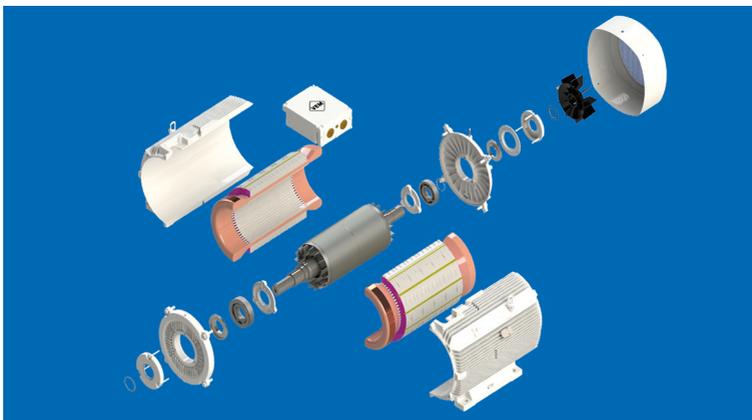


VEM_eKAT^{V10}



At a Glance

- variable flange mounting
- terminal box in Ex db or Ex eb version available
- cable outlet directions D-S, N-S, left and right are directions D-S, N-S, left and right in transverse direction possible
- connection technology is available as a terminal board, WAGO TOP-JOB terminals and as free stranded wires available
- further add-on components:
e.g. feedback systems, brakes and forced cooling fans in the corresponding type of protection
- Energy efficiency class IE3 and IE4 available
- Number of poles available: 2, 4, 6 and 8; others on request
- Screw-on feet are available in different lengths and heights
- suitable for FI operation



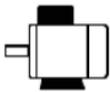
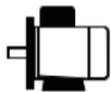
Special features of the VEM FLEX version

- 1 - motor feet can be removed
- 2 - flange ring can be dismantled; without opening the flaming proof chamber
 - special flange dimension can be realized subsequently
- 3 - terminal box can be rotated by 90°C; thus cable entry left/ right/ DE side/ NDE side
 - terminal box can be changed at a later date (right/ left/ top/ bottom)



Application examples

In the IM V15 (FLEX) version, the following designs can be realized with minor conversion measures without having to open the flameproof chamber:

IM B3	IM B35	IM V1	IM V5	IM V15
				



Technical facts	IE-W4 ... R Ex db (eb) IE3-KP (E) RD Ex db (eb) IE4-W6 ... R Ex db (eb)
Voltage	230/400 V, 400/690 V, 290/500 V or on request (max. 690 V)
Frequency	50/ 60 Hz
Explosion protection	Ex db, Ex db eb, Ex tb, IIC, IIIC, temperature class: IIC T4 (T6)
Types of protection	IP 55, IP 56, IP 65, IP 66
Sizes	63 to 315
Design	IM B3, IM B5, IM B35, IM V1, other sizes on request
Application range	Zone 1 optional Zone 21/22
Efficiency	IE 3 or IE 4
Operating modes	S1 (S9) other operating modes on request
Ambient temperature	(-40 °C), -20°C to +40°C (+55°C)
Certificates/ Standards/ Recommendations	ATEX product directive 2014/34/EU (IBExU) IECEx (in preparation) IEC 60079-1:2014 IEC 60079-7:2015 IEC 60079-31:2013 Optional according to VIK 01/2018 („db eb“)

