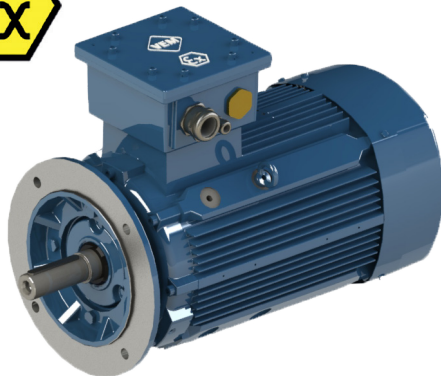




ELECTRIC DRIVES
FOR EVERY DEMAND

Made in Germany

Flameproof enclosure asynchronous motors of the IE3-W4.R series... with Ex db (eb) ignition protection class



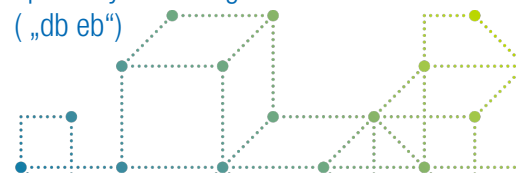
Safety is the top priority, especially in potentially explosive industrial zones. VEM's pressure-resistant sealed asynchronous motors are specifically designed for these challenging applications. Available in ex db (eb) ignition protection class, they meet the specifications of the chemical and petrochemical industry as well as those applicable to oil and gas production.

Motor power BG 132/ 160:

Type	kW	Speed
IE3-W41R 132 SX2 Ex db (eb) IIC T4	7.5	3,000 rpm
IE3-W43R 160 M2 Ex db (eb) IIC T4	11	3,000 rpm
IE3-W43R 160 MX2 Ex db (eb) IIC T4	15	3,000 rpm
IE3-W43R 160 L2 Ex db (eb) IIC T4	18.5	3,000 rpm
IE3-W43R 132 S4 Ex db (eb) IIC T4	5.5	1,500 rpm
IE3-W43R 132 M4 Ex db (eb) IIC T4	7.5	1,500 rpm
IE3-W43R 160 M4 Ex db (eb) IIC T4	11	1,500 rpm
IE3-W43R 160 L4 Ex db (eb) IIC T4	15	1,500 rpm
IE3-W41R 132 M6 Ex db (eb) IIC T4	4	1,000 rpm
IE3-W43R 132 MX6 Ex db (eb) IIC T4	5.5	1,000 rpm
IE3-W43R 160 M6 Ex db (eb) IIC T4	7.5	1,000 rpm
IE3-W41R 160 L6 Ex db (eb) IIC T4	11	1,000 rpm
IE3-W41R 132 S8 Ex db (eb) IIC T4	2.2	750 rpm
IE3-W41R 132 M8 Ex db (eb) IIC T4	3	750 rpm
IE3-W41R 160 M8 Ex db (eb) IIC T4	4	750 rpm
IE3-W43R 160 MX8 Ex db (eb) IIC T4	5.5	750 rpm
IE3-W43R 160 L8 Ex db (eb) IIC T4	7.5	750 rpm

Technical specifications:

Area of application	<ul style="list-style-type: none"> • zone 1 application • optional: zone 21/22 application
Ignition protection classes	<ul style="list-style-type: none"> • pressure-resistant enclosure „db (eb)“ • optional: housing protection „tx“
Ambient temperature	<ul style="list-style-type: none"> • standard: -20°C to +40°C • optional: -40°C to +40°C • optional: -20°C to +55°C
Efficiency class	<ul style="list-style-type: none"> • IE3 • IE4
Operating mode	<ul style="list-style-type: none"> • S1 (S9) • other operating modes on request
Certificates/ Standards/ Recommendations	<ul style="list-style-type: none"> • ATEX product directive 2014/34/EU (IBExU) • IECEx (in submission) • EAC Ex (in submission) • IEC 60079-1:2014 • IEC 60079-7:2015 • IEC 60079-31:2013 • optionally according to VIK 01/2018 („db eb“)





ELECTRIC DRIVES FOR EVERY DEMAND

Variable flange mounting:

	FF (A) flange diameter in mm							
Frame size	FF100 (A120)	FF115 (A140)	FF130 (A160)	FF165 (200)	FF215 (A250)	FF265 (300)	FF300 (A350)	FF350 (A400)
132				X	X	X	X	X
160				X	X	X	X	X

other flange combinations on request



Expected sales start:



2020

BG 132
BG 160

2021

BG 80
BG 90
BG 180
BG 280

At a glance:

- variable flange mounting
- terminal box available in Ex db or Ex eb version
- cable outlet directions D-S, N-S, left and right in cross direction are possible for all terminal boxes
- connection technology is available as terminal board, WAGO-TOP-JOB terminals and as free stranded wires
- other add-on components such as feedback systems, brakes and forced cooling fans are available in the appropriate type of protection
- energy efficiency class IE3 and IE4 available
- available pole numbers: 2, 4, 6 and 8; other pole numbers on request
- screw-on feet are available in various lengths and heights
 - can be attached to the housing in 4 x 90°
 - enables terminal box position left, right and above
- suitable for FU operation

Contact person:

Horst Hasse
Phone: +49 171 306 2444
E-mail: low-voltage@vem-group.com

VEM GmbH

Pirnaer Landstr. 176
01257 Dresden

www.vem-group.com

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