



Manufacturer

Customer

**VEM motors GmbH - Werk Zwickau**  
**Äußere Dresdner Str. 35**

**08066 ZWICKAU**  
**Deutschland**

**Three-phase motors with squirrel cage rotor,**  
**Housing grey cast iron**

|                          |                      |                    |
|--------------------------|----------------------|--------------------|
| Type                     | IE3-B41R 71 GY4      |                    |
| Design output            | ( kW )               | 0,37               |
| Design torque            | ( Nm )               | 2,49               |
| Class IE                 | [ - ]                | IE3-77,3%          |
| Efficiency determination |                      | EN 60034-2-1       |
| Duty type                |                      | S1                 |
| Design frequency         | ( Hz )               | 50                 |
| Design speed             | [rpm]                | 1420               |
| Voltage                  | ( V )                | 500                |
| Connection               | [ - ]                | Y                  |
| Current                  | [ A ]                | 0.76               |
| Relative pull-in current | [ - ]                | 4,9                |
| Relative starting torque | [ - ]                | 2,5                |
| Relative pull-up torque  | [ - ]                | 2,4                |
| Relative pull-out torque | [ - ]                | 2,8                |
| Efficiency100/75/50 %    | [ % ]                | 77,3 / 76,8 / 73,6 |
| Power factor             | [ - ]                | 0,74               |
| Th. cl.                  |                      | 155(F/B)           |
| Coolant temperature      | ( °C )               | -20°C...+40°C      |
| Altitude above sea level | ( m )                | 1000m              |
| Degree of protection IP  |                      | IP55               |
| Moment of inertia        | ( kgm <sup>2</sup> ) | 0,00096            |
| Motor weight             | ( kg )               | 12,7               |
| Bearing, D-side          |                      | 6204 2Z C3         |
| Bearing, N-side          |                      | 6204 2Z C3         |
| Relubrication interval   | ( h )                |                    |
| Grease type              |                      | Asonic GLY 32      |
| Grease amount            | [cm <sup>3</sup> ]   |                    |
| A-sound pressure level   | ( dB )               | a.A.               |
| Brake type               |                      | BZFM 0,63          |
| Brake torque             | ( Nm )               | 6,3                |
| Relative brake torque    | [ - ]                | 2,5                |

**Options**

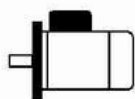
|  |  |
|--|--|
| Type of mounting                                 | IMB5                                   |
| Flange   | FF 130[A 160]                          |
| Terminal box                                     | Standard                               |
| Position of terminal box                         | on the top                             |
| Cable gland                                      | Sealing plug                           |
| Position of cable entry                          | right                                  |
| Shaft  | Standard, 1 shaft end                  |
| Bearing  | Easy bearing arrangement               |
| Winding protection                               | 1 set ptc resistors                    |
| Limit values to vibration velocity               | Class A                                |
|  | Balancing with half key                |
| Colour system                                    | 01 Moderate (KK C2),RAL 7031 blue-grey |
| Brake type                                       | Stromag                                |
| Delivery conditions and/or official regulations: | IEC / EN 60034-1                       |

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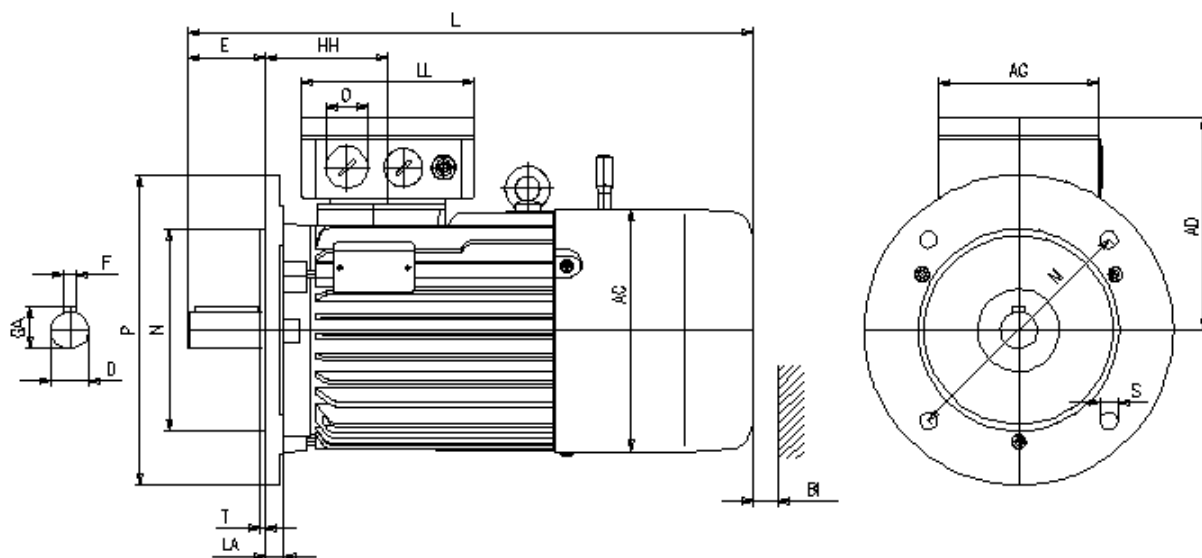
## IE3-B41R 71 GY4

### Mounting position



Type of mounting: IMB5  
Flange: FF 130[A 160]  
Position of terminal box: on the top  
Brake type: BZFM 0,63  
Forced-ventilation:

Terminal box: KA 05  
Cable gland O: 1 xSealing plug



### Motor

|     |    |    |     |      |    |    |                  |     |    |    |              |    |    |
|-----|----|----|-----|------|----|----|------------------|-----|----|----|--------------|----|----|
| A   | AA | AB | AC  | AD   | B  | B' | BA               | BA' | BB | C  | CA           | K  | K' |
| -   | -  | -  | 139 | a.A. | -  | -  | -                | -   | -  | -  | -            | -  | -  |
| L   | LC | H  | HA  | HD   | HH | BI | Protection cover |     | AG | LL | Terminal box |    |    |
| 323 | -  | 71 | -   | -    | 97 | 16 | L                |     | 92 | 92 | BE           | AH |    |

### Flange

|     |     |    |     |     |   |            |  |      |    |    |    |
|-----|-----|----|-----|-----|---|------------|--|------|----|----|----|
| P   | N   | LA | M   | T   | S | Tolerances |  | H    | N  | D  | DA |
| 160 | 110 | 9  | 130 | 3,5 | 9 |            |  | -0,5 | j6 | k6 | k6 |

### Shaft-DS

|    |    |    |   |                 |          |   |    |    |    |    |
|----|----|----|---|-----------------|----------|---|----|----|----|----|
| D  | E  | GA | F | DB              | Shaft-NS |   | DA | EA | GC | FA |
| 14 | 30 | 16 | 5 | DIN 332 DS - M5 | -        | - | -  | -  | -  | -  |

### DB...Centre hole

Delivery conditions and/or official regulations: IEC / EN 60034-1

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