



Manufacturer

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

Customer

**akkerstraat 10**

**08066 ZWICKAU**  
**Deutschland**

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

|                          |                      |               |                    |
|--------------------------|----------------------|---------------|--------------------|
| Type                     | IE3-W41R 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 )                | 230/400       |                    |
| Connection               | [ - ]                | D             | Y                  |
| Current                  | [ A ]                | 1.65          | 0.95               |
| 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> ) | 0,00087       |                    |
| Motor weight             | ( kg )               | 9,9           |                    |
| 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.          |                    |

## Options

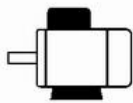
|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Type of mounting                                 | IM B3                                  |
| Flange                                           | -                                      |
| 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               |
| Limit values to vibration velocity               | Class A                                |
|                                                  | Balancing with half key                |
| Colour system                                    | 01 Moderate (KK C2),RAL 7031 blue-grey |
| Delivery conditions and/or official regulations: | IEC / EN 60034-1                       |

This document was produced electronically, all specifications are valid only after confirmation of the manufacturer

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

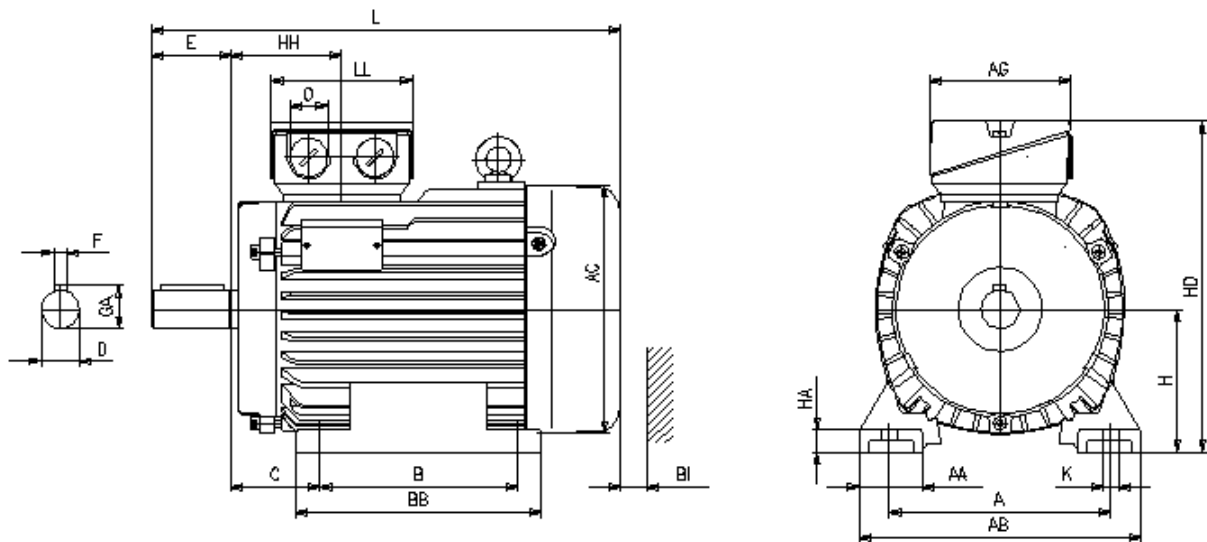
## IE3-W41R 71 GY4

### Mounting position



Type of mounting: IM B3  
Flange: -  
Position of terminal box: on the top  
Brake type:  
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' |
|-----|----|-----|-----|-----|----|----|------------------|-----|-----|----|----|--------------|----|
| 112 | 24 | 135 | 139 | -   | 90 | -  | -                | -   | 114 | 45 | -  | 7            | 7  |
| L   | LC | H   | HA  | HD  | HH | BI | Protection cover |     |     | AG | LL | Terminal box |    |
| 239 | -  | 71  | 8   | 182 | 67 | 16 | L                | -   | -   | 92 | 92 | BE           | AH |
|     |    |     |     |     |    |    | -                |     |     |    |    | -            | -  |

### Flange

| P | N | LA | M | T | S |
|---|---|----|---|---|---|
| - | - | -  | - | - | - |

### Tolerances

| H    | N  | D  | DA |
|------|----|----|----|
| -0,5 | j6 | k6 | k6 |

### Shaft-DS

| D  | E  | GA | F | DB              |
|----|----|----|---|-----------------|
| 14 | 30 | 16 | 5 | DIN 332 DS - M5 |

### Shaft-NS

| DA | EA | GC | FA |
|----|----|----|----|
| -  | -  | -  | -  |

### DB...Centre hole

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

This document was produced electronically, all specifications are valid only after confirmation of the manufacturer