

3F3A-132MA-4B34

MECHANICAL DATA

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|-------------------------|--------------------------|
| Noise at 50Hz | 71 dB(A) |
| Moment of inertia | 0.04865 kgm ² |
| Bearing DE | 6208ZZ |
| Bearing NDE | 6208ZZ |
| Bearing lifetime | 40000 h |
| Direction of rotation | bidirectional |
| Frame material | aluminum |
| Colour | RAL 7030 |
| Cooling method | IC411 |
| Ambient temperature | -20 / +40 °C |
| Altitude above sealevel | 1000 m |
| Output | 7.5kW |
| Speed | 1460 rpm |
| Ins. Class | F |
| Efficiency | 90,4% IE3 |
| Voltage | 400V |
| Connection | D |
| F.L. Current | 14.3A |
| Power factor | 0,84 |
| Duty | S1 |
| Frequency | 50 Hz |
| IP | 55 |
| Weight | 63 kg |

ELECTRICAL TEST DATA

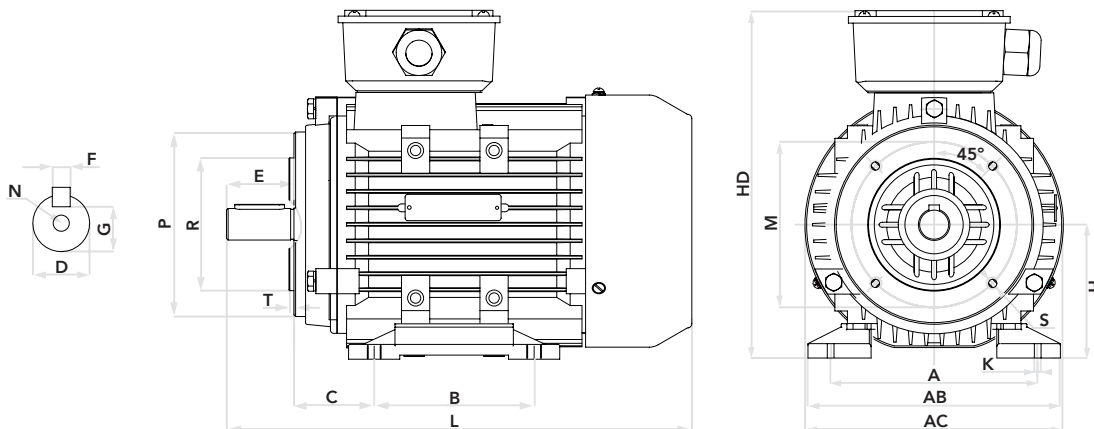
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|---|-------------|
| Ambient temperature | 26 °C |
| Resistance of winding | 0,741 Ω |
| Three phase current unbalanced | 1,5 % |
| No load amps | 6,117 A |
| No load input | 440,2 W |
| Core loss (Pfe) | 208,89 W |
| Windage friction loss (Pfw) | 52,45 W |
| Stator winding loss (Pcu1) | 282,7 W |
| Rotor winding loss (Pcu2) | 197,6 W |
| Stray load loss (Ps) | 130,4 W |
| Locked rotor current | 113,828 A |
| Locked rotor current / Full load current | 7,96 |
| Full load torque | 49,1 Nm |
| Locked rotor input power at full load | 36455,5 W |
| Locked rotor torque | 117,1 Nm |
| Locked rotor torque / Full load torque | 2,38 |
| Full load input | 8372 W |
| Full load current | 14,19 A |
| Efficiency at 50% load | 89,52 % |
| Efficiency at 75% load | 90,3 % |
| Efficiency at 100% load | 89,58 % |
| Power factor at full load | 0,8518 |
| Full load slip | 2,507 % |
| Full load speed | 1462,40 rpm |
| Stator winding temperature rise | 53,1 K |
| Stator phase resistance at Ambient temperature of 95 °C | 0,936 Ω |
| Sound pressure level | 65 dB(A) |
| Vibration | 0,8 mm/s |
| Insulation resistance | 200 MΩ |
| Bearing temperature | 56,6 °C |

SPECIAL DESIGN

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Efficiency in compliance with IEC 60034-30 Edition 1.0 - 2008, IE3
Testing method IEC 60034-2-1 Edition 1.0 - 2007-09

DIMENSIONS 3F3A-132MA-4B34



| Frame size | Number of poles | A | B | C | D | E | F | G | H | K | M | R | P | S | T | AB | AC | HD | L | N |
|------------|-----------------|-----|-----|----|----|----|----|----|-----|----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|
| 132MA | 04 | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 165 | 130 | 218 | M10 | 4 | 270 | 275 | 345 | 510 | M12 |

FELSTROM

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