

HK B5 230/400V IE3

Electric motor B5 230/400V IE3

HANSA FLEX

Properties

| | |
|----------------------------|-------------------------|
| Design | type B5 without feet |
| Protection IP | IP 55 |
| Ambient temperature | -20 °C to +40 °C |
| Material | Housing: Aluminium |



Description

Self-cooling squirrel-cage energy-saving motors
High efficiency IE3 - IEC60034-30:2009
Rated voltage 230/400V 50Hz, 460V 60Hz; 4-pin
Voltage tolerance +/- 5%

Item

| Identification | n 50 Hz | n 60 Hz | P 50 Hz | P 60 Hz | I 50 Hz | LF 50 Hz | H1 | B | C | Ø D shaft | Ø E | Ø F | η (IE3) % | Weight |
|-----------------------------|---------|---------|---------|---------|---------|----------|------|------|------|-----------|------|------|-----------|--------|
| | (rpm) | (rpm) | (kW) | (kW) | (A) | | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | | (kg) |
| HK 80M4 B5 2-4 IE3 | 1450 | 1755 | 0,75 | 0,86 | 3,04 | 0,75 | 227 | 287 | 201 | 19 | 130 | 200 | 82,5 | 13,5 |
| HK 90S4 B5 2-4 IE3 | 1440 | 1740 | 1,10 | 1,30 | 4,17 | 0,79 | 207 | 297 | 216 | 24 | 130 | 200 | 84,1 | 12,5 |
| HK 90L4 B5 2-4 IE3 | 1445 | 1745 | 1,50 | 1,75 | 5,48 | 0,80 | 207 | 297 | 216 | 24 | 130 | 200 | 85,3 | 15,5 |
| HK 100LA4 B5 2-4 IE3 | 1465 | 1765 | 2,20 | 2,55 | 7,65 | 0,83 | 271 | 371 | 266 | 28 | 215 | 250 | 86,7 | 26,5 |
| HK 100LB4 B5 2-4 IE3 | 1460 | 1760 | 3,00 | 3,45 | 10,30 | 0,83 | 271 | 371 | 266 | 28 | 215 | 250 | 87,7 | 29,5 |

P 50 Hz = nominal output at 400 V/50 Hz – P 60 Hz = nominal output at 400 V/60 Hz – n 50 Hz = nominal speed at 400 V/50 Hz – n 60 Hz = nominal speed at 400 V/60 Hz – I 50 Hz = nominal current at 400 V/50 Hz – LF 50 Hz = cos phi power factor at 50 Hz – η (IE3) = efficiency to IE3 in % (at full load)