

HK B3/B5 230/400V IE3

Electric motor B3/B5 230/400V IE3

HANSA FLEX

Properties

| | |
|----------------------------|------------------------------|
| Design | type B3/B5 feet removable |
| 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 (rpm) | n 60 Hz (rpm) | P 50 Hz (kW) | P 60 Hz (kW) | I 50 Hz (A) | LF 50 Hz | A (mm) | H (mm) | B (mm) | C (mm) | Ø D shaft (mm) | Ø E (mm) | Ø F (mm) | η (IE3) % | Weight (kg) |
|------------------------------|---------------------|---------------------|--------------------|--------------------|----------------|-------------|-----------|-----------|-----------|-----------|----------------------|-------------|-------------|-------------------|----------------|
| HK 80M4 B35 2-4 IE3 | 1450 | 1755 | 0,75 | 0,86 | 3,04 | 0,75 | 125 | 80 | 287 | 201 | 19 | 130 | 200 | 82,5 | 14,0 |
| HK 90S4 B35 2-4 IE3 | 1440 | 1740 | 1,10 | 1,30 | 4,17 | 0,79 | 140 | 90 | 297 | 216 | 24 | 130 | 200 | 84,1 | 13,0 |
| HK 90L4 B35 2-4 IE3 | 1445 | 1745 | 1,50 | 1,75 | 5,48 | 0,80 | 140 | 90 | 297 | 216 | 24 | 130 | 200 | 85,3 | 16,0 |
| HK 100LA4 B35 2-4 IE3 | 1465 | 1765 | 2,20 | 2,55 | 7,65 | 0,83 | 160 | 100 | 371 | 266 | 28 | 215 | 250 | 86,7 | 27,0 |
| HK 100LB4 B35 2-4 IE3 | 1460 | 1760 | 3,00 | 3,45 | 10,30 | 0,83 | 160 | 100 | 371 | 266 | 28 | 215 | 250 | 87,7 | 30,0 |

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)

Additional elements

HK MPK Selection chart for motor/pump combination for gear pumps