



Motor catalog TX - Erp
HB2 71B 4 230.400-50 B14

Configured motor

Designation

HB2 71B 4 230.400-50 B14

Motor catalog TX - Erp	
Pn 0.37 kW (0.5 hp)	
Motor specifications	
5 voltage values stated on nameplate: 220.380 @50Hz 230.400 @50Hz 240.415 @50Hz 265.460 @60Hz 277.480 @60Hz	
Motor mounting position (IM) B14	

Electric motor technical data TX catalog

Type	HB2 71 B 4	
Size	71	
Poles	4	
Coupling dimensions Ø D x E - Ø P	Ø14 x 30 Ø105	
Power supply	[V - Hz] 230.400 - 50	
Nominal input power P_{N1}	[hp]	0.5
Nominal speed n_N	[min ⁻¹]	1 400
Motor mass	[lb]	15
Directive	Motor ErP	
Efficiency class	IE2	
Power factor cosφ	0.7	
Moment of inertia J_0	[lb ft ²]	0 003.07545
Overtemperature class	B	
Insulation class	F	
Protection	IP 55	
Type of duty	S1	
Synchronous speed	[min ⁻¹]	1 500

Efficiency

100 %	73.20
75 %	72.20
50 %	67.30

Nominal data

Nominal torque M_N	[Lb-in] 22.30
Nominal starting torque M_s / M_n	2.70
Maximum torque M_{MAX} / M_n	3.20
Starting current ratio i_s / i_n	4.60
Rated current I_n @230 [V]	[A] 1.90
Rated current I_n @400 [V]	[A] 1.10

Construction features

Motor size	Bearing D-E	Bearing N-D-E	Housing	Flange B14	End-shield N-D-E	Terminal box cover	Seal rings D-E	Terminal block (4)	Cable glands	Fan cover	Cooling fan
71 B	6203 2Z	6203 2Z	LL	LL	LL	LL	LL	17 × 32 × 5	M4	Painted sheet	Plastic

LL = Light alloy

(4) Terminal block with 6 terminals for cable terminal connection

Motor main dimensions [mm]

