

TX serie



Brake motor with a.c. brake catalog TX - EISA
HB3F 90L 4 230.460-60 B5 ,L

Configured motor

Designation

HB3F 90L 4 230.460-60 B5 ,L

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Pn 1.1 kW (1.5 hp)

Motor specifications

- Voltage value stated on nameplate: 230.460@60Hz

Motor mounting position (IM) B5

Hand lever for manual release with automatic return L [,L]

Electric motor technical data TX catalog

Type	HB3F 90 L 4
Size	90
Poles	4
Coupling dimensions Ø D x E - Ø P	Ø24 x 50 Ø200
Power supply	[V - Hz] 230.460 - 60
Nominal input power P_{N1}	[hp] 1.5
Nominal speed n_N	[min ⁻¹] 1 740
Motor mass	[lb] 49
Directive	Motor EISA
Efficiency class	Premium Efficiency (IE3)
Power factor PF	% 0
Moment of inertia J_0	[lb ft ²] 0 015.37727
Overtemperature class	B
Insulation class	F
Protection	IP 55
Type of duty	S1
Synchronous speed	[min ⁻¹] 1 800
NEMA nominal efficiency $MG1-12$	% 0
NEMA Code	K

Nominal data

Nominal torque M_N	[Lb-in] 53.44
Nominal starting torque M_s / M_n	3.40
Maximum torque M_{MAX} / M_n	4.10
Starting current ratio i_s / i_n	7.90

Rated current I_n @230 [V] [A] 4.26

Rated current I_n @460 [V] [A] 2.13

Construction features

Housing	Material	Light alloy
End-shield N-D-E		Light alloy
Fan cover		Galvanized plate
Cooling fan		Plastic
Terminal box cover		Light alloy
Bearing D-E	Lubricated for life assuming pollution free surrounding	6205 2Z
Bearing N-D-E		6205 2Z
DE seal ring	NBR material type "A"	25 x 46 x 7
N-DE seal ring	NBR material type "A"	25 x 46 x 7
9-pin terminal block	Pin size	M5
Cable entry	Predetermined fracture	2 x M16 + 2 x M25
Ø D x E shaft / Ø P flange	B5	Ø24 x 50 / Ø200
Hole in head/back		M8 / M8
Keyway type A		8 x 7 x 40
Flange material / shaft		Light alloy / C45

Motor main dimensions [mm]

