

TX serie



Motor catalog TX - Erp
HB2 71A 6 230.400-50 B5R ,UL

Configured motor

Designation

HB2 71A 6 230.400-50 B5R ,UL

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Pn 0.18 kW (0.25 hp)

Motor specifications

- 3 voltage values stated on nameplate:
230.400 @50Hz
265.460 @60Hz
277.480 @60Hz

Motor mounting position (IM) B5R

Motor certified to "UL" design [,UL]

Electric motor technical data TX catalog

Type	HB2 71 A 6
Size	71
Poles	6
Coupling dimensions Ø D x E - Ø P	Ø11 x 23 Ø140
Power supply	[V - Hz] 230.400 - 50
Nominal input power P_{N1}	[hp] 0.25
Nominal speed n_N	[min ⁻¹] 900
Motor mass	[lb] 13
Directive	Motor ErP
Efficiency class	IE2
Power factor cosφ	0.67
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] 1 000

Efficiency

100 %	59.50
75 %	57.10
50 %	49.80

Nominal data

Nominal torque M_N	[Lb-in] 16.90
Nominal starting torque M_s / M_n	2.40
Maximum torque M_{MAX} / M_n	2.40
Starting current ratio i_s / i_n	3.00
Rated current $I_n @230 [V]$	[A] 1.14
Rated current $I_n @400 [V]$	[A] 0.66

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	6203 2Z
Bearing N-D-E		6203 2Z
DE seal ring	NBR material type "A"	17 x 32 x 5
N-DE seal ring	NBR material type "A"	17 x 32 x 5
6-pin terminal block	Pin size	M4
Cable entry	Predetermined fracture	2 x M16 + 2 x M20
Ø D x E shaft / Ø P flange	B5R	Ø11 x 23 / Ø140
Tapped butt-end hole		M4
Keyway type A		4 x 4 x 18
Flange material / shaft		Light alloy / C45

Motor main dimensions [mm]

