



Motor catalog TX - Erp
HB 90LC 4 230.460-60 B5 ,UL

Configured motor

Designation

HB 90LC 4 230.460-60 B5 ,UL

Motor catalog TX - Erp	
Pn 2.2 kW (3 hp)	
Motor specifications	
Voltage value stated on nameplate: 230.460@60Hz	
Motor mounting position (IM) B5	
Motor certified to "UL" design [UL]	

Electric motor technical data TX catalog

Type	HB 90 LC 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]	3
Nominal speed n_N	[min ⁻¹]	1 700
Motor mass	[lb]	41
Directive	Motor ErP	
Efficiency class	S1 η IE1	
Power factor cosφ	0.7	
Moment of inertia J_0	[lb ft ²]	0 011.27667
Overtemperature class	F	
Insulation class	F	
Protection	IP 55	
Type of duty	S3 70%	
Synchronous speed	[min ⁻¹]	1 800

Efficiency

100 %	84.00
75 %	84.30
50 %	81.50

Nominal data

Nominal torque M_N	[Lb-in] 111.52
Nominal starting torque M_s / M_n	3.30
Maximum torque M_{MAX} / M_n	3.80
Starting current ratio i_s / i_n	5.40
Rated current I_n @265 [V]	[A] 8.70
Rated current I_n @460 [V]	[A] 5.00
Rated current I_n @230 [V]	[A] 10.02

Construction features

Motor size	Bearing D-E	Bearing N-D-E	Housing	Flange B5	End-shield N-D-E	Terminal box cover	Seal rings D-E	Terminal block (4)	Cable glands	Fan cover	Cooling fan
90 LC	6205 2Z	6205 2Z	LL	LL	LL	LL	25 × 46 × 7	M5	2 × M16 + 2 × M25	Painted sheet	Plastic

LL = Light alloy

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

Motor main dimensions [mm]

