



Customer information packet

EMM3714

7.5KW, 1770RPM, 3PH, 60HZ, D132M, 3752M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D132M
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	12.500 A @ 460.0 V 25.000 A @ 230.0 V 27.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	B
Type	AC
Mech. spec.	37E617
Base	
Status	PRD/A
Elec. spec.	37WGL865
Layout	37LYE617
Eff. date	06-20-2024
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	02-01-2021

High Voltage Full Load Amps	12.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3752M
Mounting Arrangement	B3
Number of Poles	4
Overall Length	20.29 IN
Power Factor	85
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.497 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1159L									
CAT.NO.	EMM3714								
SPEC.	37E617L865G1								
IEC FRAME	D132M	KW		7.5					
VOLTS	230/460								
AMP	25/12.5								
RPM	1770			ENCL			TEFC		
HZ	60	PH		3	CL		F		
SER.F.	1.15	DES		A	CODE		K		
NEMA-NOM-EFF	91.7	I.P.	54						
RATING	40C AMB-CONT								
CC	010A								
DE	6208	ODE	6206						
SER. #									
	10 HP								

AC Induction Motor Performance Data

Record # 86469

Preliminary Data Sheet

Winding: 37WGL865-R006				Type: 3752M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (KW)		7.5		Full Load Torque		29.7 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		25/12.5		Breakdown Torque		102 LB-FT	
R.P.M.		1770		Pull-up Torque		46.9 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		62.2 LB-FT	
NEMA Design Code		A	KVA Code	K	Starting Current		101 A
Service Factor (S.F.)		1.15		No-load Current		5.33 A	
NEMA Nom. Eff.		91.7	Power Factor	85	Line-line Res. @ 25°C		0.982 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		69°C	
S.F. Amps		28.2/14.6		Temp. Rise @ S.F. Load		92°C	
				Locked-rotor Power Factor		42	
				Rotor inertia		1.28 lb-ft²	

Load Characteristics 460 V, 60 Hz, 7.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	66	77	82	84	85	84
Efficiency	88.7	92.3	92.7	92.2	91.3	90	91.4
Speed	1793	1786	1778	1770	1761	1751	1762
Line amperes	6.05	7.73	9.9	12.5	15.3	18.3	14.1

ABB Motors and Mechanical Inc.

WINDING # 37WGL865

Typical performance - not guaranteed values.

7.5 KW 3 PH 60 HZ 1770 RPM 460 V 3752M

TORQUES (LB-FT): PO=102 PU=46.9 LR=62.2 LRA=101





