



Customer information packet

EMM3611

2.2KW, 1760RPM, 3PH, 60HZ, D100L, 3632M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D100L
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	2.200 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	UR CSA
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	4.200 A @ 460.0 V 8.400 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	P
Type	AC
Mech. spec.	36M715
Base	
Status	PRD/A
Elec. spec.	36WGS266
Layout	36LYM715
Eff. date	06-20-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	06-29-2011

High Voltage Full Load Amps	4.2 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3632M
Mounting Arrangement	B3
Number of Poles	4
Overall Length	15.76 IN
Power Factor	75
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	1.103 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 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.	EMM3611								
SPEC.	36M715S266G1								
IEC FRAME	D100L	KW		2.2					
VOLTS	230/460								
AMP	8.4/4.2								
RPM	1760			ENCL			TEFC		
HZ	60	PH		3	CL		F		
SER.F.	1.15	DES		B	CODE		K		
NEMA-NOM-EFF	89.5	I.P.	54						
RATING	40C AMB-CONT								
CC	010A								
DE	6206	ODE	6205						
SER. #									

AC Induction Motor Performance Data

Record # 63990

Typical performance - not guaranteed values

Winding: 36WGS266-R081			Type: 3632M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (KW)		2.2	Full Load Torque		8.66 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		8.4/4.2	Breakdown Torque		37.6 LB-FT		
R.P.M.		1760	Pull-up Torque		15.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		21.7 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		32.7 A
Service Factor (S.F.)		1.15		No-load Current		2.3 A	
NEMA Nom. Eff.		89.5	Power Factor	75	Line-line Res. @ 25°C		3.81 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		43°C	
S.F. Amps				Temp. Rise @ S.F. Load		52°C	
				Locked-rotor Power Factor		42.2	
				Rotor inertia		0.298 LB-FT2	

Load Characteristics 460 V, 60 Hz, 2.2 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	54	68	75	80	82	78
Efficiency	80.8	87.7	89.5	89.7	89.7	88.2	89.7
Speed	1791	1783	1773	1764	1754	1742	1758
Line amperes	2.46	2.83	3.4	4.05	4.83	5.69	4.52

ABB Motors and Mechanical Inc.

WINDING # 36WGS266

Typical performance - not guaranteed values.

2.2 KW 3 PH 60 HZ 1760 RPM 460 V 3632M

TORQUES (LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=32.7





