



Customer information packet

EMVM3558C

1.5KW, 1765RPM, 3PH, 60HZ, D90SC, LC, 3528M, TE

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D90SC,LC
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	1.500 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA NEMA PREMIUM NEMA_PREMIUM UR WEEE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.600 A @ 208.0 V 5.400 A @ 230.0 V 2.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part detail

Revision	D
Type	AC
Mech. spec.	35S714
Base	
Status	PRD/A
Elec. spec.	35WGG073
Layout	35LYS714
Eff. date	04-30-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-10-2022

Frame Prefix	D
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3528M
Mounting Arrangement	B14
Number of Poles	4
Overall Length	13.75 IN
Power Factor	81
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.945 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1765 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
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Nameplate

NP2672L									
CAT.NO.	EMVM3558C								
SPEC.	35S714G073G1								
IEC FRAME	D90SC,LC	KW		1.5					
VOLTS	230/460								
AMP	5.6/2.8								
RPM	1760				ENCL		TEFC		
HZ	60		PH		3		CL		F
SER.F.	1.15		DES		B		CODE		K
NEMA-NOM-EFF	86.5		I.P.		54				
RATING	40C AMB-CONT								
CC	010A		USABLE AT 208V						N/A
DE	6206		ODE		6203				
SER. #									
	SFA 6/3								

AC Induction Motor Performance Data

Record # 87099

Preliminary Data Sheet

Winding: 35WGG073-R011			Type: 3528M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (KW)		1.5	Full Load Torque		6.02 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5.6/2.8	Breakdown Torque		20.5 LB-FT		
R.P.M.		1760	Pull-up Torque		13.8 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		22.5 A
Service Factor (S.F.)		1.15	No-load Current		1.62 A		
NEMA Nom. Eff.		86.5	Power Factor	77	Line-line Res. @ 25°C		9.54 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		64°C
S.F. Amps		6.3/3.15	Temp. Rise @ S.F. Load		77°C		
			Locked-rotor Power Factor		57.9		
			Rotor inertia		0.202 lb-ft²		

Load Characteristics 460 V, 60 Hz, 1.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	69	77	81	84	83
Efficiency	78.2	85.3	86.8	86.5	85.4	83.6	86.2
Speed	1791	1782	1771	1760	1748	1734	1757
Line amperes	1.71	1.97	2.35	2.83	3.37	3.99	3.04

ABB Motors and Mechanical Inc.

WINDING # 35WGG073

Typical performance - not guaranteed values.

1.5 KW 3 PH 60 HZ 1760 RPM 460 V 3528M

TORQUES (LB-FT): PO=20.5 PU=13.8 LR=15 LRA=22.5





