



Customer information packet

EM3207T

1.5HP, 1170RPM, 3PH, 60HZ, 182T, 3628M, OPSB, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	182T
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 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CURUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.000 A @ 230.0 V 5.100 A @ 208.0 V 2.500 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	S
Type	AC
Mech. spec.	36G548
Base	
Status	PRD/A
Elec. spec.	36WGS949
Layout	36LYG548
Eff. date	05-01-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	05-30-2012

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.00 IN
Power Factor	64
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1170 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

NP1259LUA									
CAT.NO.	EM3207T								
SPEC.	36G548S949G1								
HP	1.5								
VOLTS	230/460								
AMPS	5/2.5								
R.P.M.	1170								
FRAME	182T		HZ	60		PH	3		
SER.F.	1.15	CODE	K	DES	B	CLASS	F		
NEMA NOM. EFF.	86.5		P.F.	64					
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	OPSB	SN							
USABLE AT	50HZ 1.5HP 190/380V 5/2.5A							SF1.0	

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 53375

Typical performance - not guaranteed values

Winding: 36WGS949-R004			Type: 3628M		Enclosure: OPSB		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		6.72 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		5/2.5		Breakdown Torque		22 LB-FT	
R.P.M.		1170		Pull-up Torque		13.4 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		15.4 LB-FT	
NEMA Design Code		B		KVA Code	K	Starting Current	15.8 A
Service Factor (S.F.)		1.15		No-load Current		1.65 A	
NEMA Nom. Eff.		86.5	Power Factor	64	Line-line Res. @ 25°C		8.0884 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	24°C
S.F. Amps						Temp. Rise @ S.F. Load	28°C

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	64	69	73	67
Efficiency	75.7	84.3	86.6	87	86.5	85.4	86.7
Speed	1192.8	1185.9	1178.5	1170.6	1161.7	1151.4	1165
Line amperes	1.72	1.91	2.18	2.52	2.94	3.39	2.77

ABB Motors and Mechanical Inc.

WINDING # 36WGS949

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 3628M

TORQUES (LB-FT): PO=22 PU=13.4 LR=15.4 LRA=15.8





