



Customer information packet

HBEM3607T

32M 6P TEFC HOR 182T

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
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	NEMA PREMIUM WEEE CURUSEEV
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	2.400 A @ 460.0 V 4.800 A @ 230.0 V 5.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Electrically Isolated Bearings
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	E
Type	AC
Mech. spec.	36T429
Base	
Status	PRD/A
Elec. spec.	36WGS916
Layout	36LYT429
Eff. date	06-14-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	01-05-2022

High Voltage Full Load Amps	2.4 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.54 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1165 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

NP4246A01A01													
CAT #	HBEM3607T					WGT	72		LBS				
SPEC	36T429S916G1					ENCL	TEFC						
SER #						CC	010A		IP	54			
HP	1.5		MAG CUR			3/1.5							
VOLTS	230/460					NEMA NOM. EFF					87.5		
AMPS	4.8/2.4					PF	67						
RATING	40C AMB-CONT												
RPM	1165					MAX RPM		1800					
FRAME	182T		HZ	60		CODE	K		CLASS	H			
SER.F.	1.15		SF AMP	5.4/2.7			PH	3		DES	B		
DE	6206		ODE		6205								
LUBRICATION	POLYREX EM												
ID LOGO	INV TYPE:		VPWM		CHP	60		TO	90		1.5:1		
ID LOGO	WK2	0.301		CT	6		TO	60		10:1			
ID LOGO	SL HZ	1.75		VT	3		TO	60		20:1			

AC Induction Motor Performance Data

Record # 92049

Typical performance - not guaranteed values

Winding: 36WGS916-R055			Type: 3632M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		6.86 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		4.8/2.4	Breakdown Torque		23.8 LB-FT		
R.P.M.		1165	Pull-up Torque		12.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15.3 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		15.8 A
Service Factor (S.F.)		1.15	No-load Current		1.47 A		
NEMA Nom. Eff.		87.5	Power Factor	67	Line-line Res. @ 25°C		7.12 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		34°C
S.F. Amps		5.4/2.7	Temp. Rise @ S.F. Load		40°C		
			Locked-rotor Power Factor		30.1		
			Rotor inertia		0.301 lb-ft²		

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	60	67	71	74	69
Efficiency	78.8	85.7	87.5	87.4	86.4	85.3	86.8
Speed	1192	1185	1177	1168	1158	1148	1162
Line amperes	1.57	1.77	2.07	2.43	2.88	3.36	2.7

ABB Motors and Mechanical Inc.

WINDING # 36WGS916

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1165 RPM 460 V 3632M

TORQUES (LB-FT): PO=23.8 PU=12.5 LR=15.3 LRA=15.8





