



Customer information packet

HBEM3667T

30M 6P TEFC HOR 182T

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Iron
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	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM WEEE
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 5.200 A @ 208.0 V 2.500 A @ 460.0 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.	06L568
Base	
Status	PRD/A
Elec. spec.	06WGW969
Layout	06LYL568
Eff. date	12-06-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	01-05-2022

High Voltage Full Load Amps	2.5 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard 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	0630M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.23 IN
Power Factor	65
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
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

[illegible]

AC Induction Motor Performance Data

Record # 92019

Typical performance - not guaranteed values

Winding: 06WGW969-R036			Type: 0630M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		6.77 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5/2.5	Breakdown Torque		24 LB-FT		
R.P.M.		1170	Pull-up Torque		12.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15.8 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		16.2 A
Service Factor (S.F.)		1.15	No-load Current		1.63 A		
NEMA Nom. Eff.		87.5	Power Factor	65	Line-line Res. @ 25°C		7.01 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		26°C
S.F. Amps					Temp. Rise @ S.F. Load		31°C
					Locked-rotor Power Factor		30.4
					Rotor inertia		0.282 lb-ft²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	44	56	64	69	73	67
Efficiency	76.3	84.8	86.8	87.5	87.1	85.8	87.3
Speed	1194	1187	1179	1172	1163	1153	1167
Line amperes	1.7	1.9	2.18	2.51	2.92	3.38	2.76

ABB Motors and Mechanical Inc.

WINDING # 06WGW969

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 0630M

TORQUES (LB-FT): PO=24 PU=12.5 LR=15.8 LRA=16.2





