



Product Information Packet

EM3615T-G

5HP,1755RPM,3PH,60HZ,184T,3642M,TEFC,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGQ032	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36M524	Layout:	36LYM524	Poles:	04	Created Date:	12-04-2020
Base:	RG	Eff. Date:	12-28-2021	Leads:	9#16		

Specs			
Catalog Number:	EM3615T-G	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	H
Frame:	184T	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	J
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	5.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3642M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	78
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	Shaft Grounding
Current @ Voltage:	13.400 A @ 230.0 V	Shaft Rotation:	Reversible
	14.000 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	6.700 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3441LUA

CAT.NO.	EM3615T-G											
SPEC	36M524Q032G1											
HP	5											
VOLTS	230/460											
AMPS	13.4/6.7											
RPM	1755											
FRAME	184T				HZ		60			PH	3	
SF	1.15			CODE	J	DES		B	CLASS	H		
NEMA NOM. EFF	89.5				PF	78						
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V					14		
ENCL	TEFC			SER								
DE	6206				ODE		6205					
VPWM INVERTER READY	SFA 15/7.5											
CT6-60H(10:1)VT3-60H(20:1											SF1.0	
	50HZ 5HP 190/380V 15.6/7.8A											

AC Induction Motor Performance Data

Record # 85675

Preliminary Data Sheet

Winding: 36WGQ032-RXXX			Type: 3642M	Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		5	Full Load Torque		15 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		13.4/6.7	Breakdown Torque		53.1 LB-FT	
R.P.M.		1755	Pull-up Torque		23.4 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque		34.7 LB-FT	
NEMA Design Code		B	KVA Code	J	Starting Current	49.8 A
Service Factor (S.F.)		1.15	No-load Current		3.31 A	
NEMA Nom. Eff.		89.5	Power Factor	78	Line-line Res. @ 25°C	2.38 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	71°C
S.F. Amps		15/7.5	Temp. Rise @ S.F. Load		92°C	
			Locked-rotor Power Factor		49	
			Rotor inertia		0.391 lb-ft²	

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	60	72	79	82	84	81
Efficiency	84.4	89.4	90.1	89.6	88.4	86.8	88.5
Speed	1789	1778	1766	1753	1738	1722	1741
Line amperes	3.64	4.39	5.45	6.66	8.08	9.67	7.52

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





