



## Product Information Packet

# EJMM3616T

7.5HP,3450RPM,3PH,60HZ,184JM,3646M,TEFC

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS428	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36H017	Layout:	36LYH017	Poles:	02	Created Date:	11-12-2011
Base:	RG	Eff. Date:	05-18-2022	Leads:	9#16		

Specs			
Catalog Number:	EJMM3616T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	184JM	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 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:	3646M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	93
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

<b>Blower:</b>	None	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
<b>Current @ Voltage:</b>	16.800 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
	18.500 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	Shaft Slinger
	8.400 A @ 460.0 V	<b>Speed Code:</b>	Single Speed
<b>Design Code:</b>	A	<b>Motor Standards:</b>	NEMA
<b>Drip Cover:</b>	No Drip Cover	<b>Starting Method:</b>	Direct on line
<b>Duty Rating:</b>	CONT	<b>Thermal Device - Bearing:</b>	None
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Winding:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Face Code:</b>	Standard	<b>Winding Thermal 1:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 2:</b>	None

## Nameplate NP3441LUA

CAT.NO.	EJMM3616T										
SPEC	36H017S428G3										
HP	7.5										
VOLTS	230/460										
AMPS	16.8/8.4										
RPM	3450										
FRAME	184JM				HZ		60			PH	3
SF	1.15			CODE	L	DES		A	CLASS	F	
NEMA NOM. EFF	89.5				PF	93					
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V					18.5	
ENCL	TEFC			SER							
DE	6207				ODE		6205				
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	50Hz 7.5HP 190/380V 21/10.5A										
	SF1.0										

**AC Induction Motor Performance Data**

Record # 52145

Typical performance - not guaranteed values

Winding: 36WGS428-R020				Type: 3646M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		7.5		Full Load Torque		11.4 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		16.8/8.4		Breakdown Torque		57.9 LB-FT	
R.P.M.		3450		Pull-up Torque		39.9 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		48.2 LB-FT	
NEMA Design Code		A	KVA Code	L	Starting Current		91 A
Service Factor (S.F.)		1.15		No-load Current		2.33 A	
NEMA Nom. Eff.		89.5	Power Factor	93	Line-line Res. @ 25°C		1.43 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		74°C	
S.F. Amps				Temp. Rise @ S.F. Load		92°C	
				Locked-rotor Power Factor		44.4	
				Rotor inertia		0.205 LB-FT2	

**Load Characteristics 460 V, 60 Hz, 7.5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	64	85	90	93	94	94	94
Efficiency	86.9	90.6	91	90.1	88.8	86.5	89.3
Speed	3571	3539	3505	3468	3429	3385	3445
Line amperes	3.14	4.59	6.43	8.43	10.5	12.9	9.67

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





