



Product Information Packet

EM3313T

10HP,1770RPM,3PH,60HZ,215T,3742M,OPSB,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGL868	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37F614	Layout:	37LYF614	Poles:	04	Created Date:	11-11-2020
Base:	RG	Eff. Date:	08-15-2022	Leads:	9#14		

Specs			
Catalog Number:	EM3313T	Heater Indicator:	No Heater
Enclosure:	OPSB	Insulation Class:	F
Frame:	215T	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	H
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 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:	3742M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	82
	CSA EEV	Product Family:	General Purpose
	UR	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)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	26.400 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	25.000 A @ 230.0 V	Shaft Rotation:	Reversible
	12.500 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3553LUA

CAT.NO.	EM3313T												
SPEC.	37F614L868												
HP	10												
VOLTS	230/460												
AMPS	25/12.5												
RPM	1770												
FRAME	215T				HZ				60		PH	3	
SF	1.15		CODE		H		DES		B		CLASS		F
NEMA NOM. EFF	91.7		PF		82								
RATING	40C AMB-CONT												
CC	010A		USABLE AT 208V										26.4
DE	6307				ODE		6206						
ENCL	OPSB		SN										
VPWM INVERTER READY													
CT30-60(2:1) VT3-60(20:1)													
USABLE AT	50HZ 7.5HP 190/380V 23.4/11.7A												SF1.0

AC Induction Motor Performance Data

Record # 85454

Preliminary Data Sheet

Winding: 37WGL868-RXXX			Type: 3742M		Enclosure: OPSB		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		29.8 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		25.0/12.5	Breakdown Torque		101 LB-FT		
R.P.M.		1770	Pull-up Torque		44.9 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		56 LB-FT	
NEMA Design Code		B	KVA Code	H	Starting Current		88.6 A
Service Factor (S.F.)		1.15		No-load Current		5.31 A	
NEMA Nom. Eff.		91.7	Power Factor	82	Line-line Res. @ 25°C		1.18 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		35°C	
S.F. Amps		28.0/14.0		Temp. Rise @ S.F. Load		44°C	
				Locked-rotor Power Factor		42.6	
				Rotor inertia		1.03 lb-ft²	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	77	82	84	85	84
Efficiency	86.7	91.3	92.1	91.7	90.9	89.6	91.1
Speed	1792	1785	1777	1769	1760	1750	1762
Line amperes	6.04	7.69	9.84	12.4	15.3	18.4	14.1

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





