



Product Information Packet

EM2333T

15HP,1765RPM,3PH,60HZ,254T,0944M,TEFC,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGT597	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	09P11	Layout:	09LYP011	Poles:	04	Created Date:	11-11-2020
Base:	RG	Eff. Date:	02-21-2022	Leads:	9#12		

Specs			
Catalog Number:	EM2333T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	254T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	H
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	15.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 12 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:	0944M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	84
	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:	38.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	36.200 A @ 230.0 V	Shaft Rotation:	Reversible
	18.100 A @ 460.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	A	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 NP3441LUA										
CAT.NO.	EM2333T									
SPEC	09P011T597G1									
HP	15									
VOLTS	230/460									
AMPS	36.2/18.1									
RPM	1765									
FRAME	254T			HZ	60			PH	3	
SF	1.15		CODE	H		DES	A		CLASS	F
NEMA NOM. EFF	92.4		PF	84						
RATING	40C AMB-CONT									
CC	010A		USABLE AT 208V							38
ENCL	TEFC		SER							
DE	6309		ODE	6208						
VPWM INVERTER READY	SFA 41/20.4									
CT6-60H(10:1)VT3-60H(20:1										
50HZ 15HP 190/380V 42.2/21.1A										
SF1.0										

AC Induction Motor Performance Data

Record # 85476

Preliminary Data Sheet

Winding: 09WGT597-R001				Type: 0944M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		15		Full Load Torque		44.5 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		36.2/18.1		Breakdown Torque		154 LB-FT	
R.P.M.		1765		Pull-up Torque		67.2 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		A		KVA Code		H	
Service Factor (S.F.)		1.15		Locked-rotor Torque		83.5 LB-FT	
NEMA Nom. Eff.		92.4		Power Factor		84	
Rating - Duty		40C		AMB-CONT		Starting Current	
S.F. Amps		41.0/20.5		No-load Current		129 A	
				Line-line Res. @ 25°C		7.32 A	
				Temp. Rise @ Rated Load		0.61 Ω	
				Temp. Rise @ S.F. Load		52°C	
				Locked-rotor Power Factor		67°C	
				Rotor inertia		38.1	
						1.92 lb-ft²	

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	69	79	84	86	87	86
Efficiency	88	92.1	92.7	92.5	91.7	90.7	91.9
Speed	1792	1785	1777	1768	1759	1749	1761
Line amperes	8.45	11	14.3	18.1	22.2	26.7	20.5

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





