



Product Information Packet

EM2394T

15HP,3520RPM,3PH,60HZ,254T,0930M,TEFC,F1

Part Detail							
Revision:	AP	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGZ602	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	09P11	Layout:	09LYP011	Poles:	02	Created Date:	05-06-2010
Base:	RG	Eff. Date:	02-09-2022	Leads:	9#12		

Specs			
Catalog Number:	EM2394T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	254T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	G
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:	3600 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:	0930M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	87
	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:	No Shaft Grounding
Current @ Voltage:	17.500 A @ 460.0 V	Shaft Rotation:	Reversible
	35.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	38.000 A @ 208.0 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.	EM2394T											
SPEC	09P011Z602											
HP	15											
VOLTS	230/460											
AMPS	35/17.5											
RPM	3520											
FRAME	254T					HZ	60				PH	3
SF	1.15				CODE	G		DES	B		CLASS	F
NEMA NOM. EFF	91					PF	87					
RATING	40C AMB-CONT											
CC	010A					USABLE AT 208V					38	
ENCL	TEFC				SER							
DE	6309					ODE	6208					
VPWM INVERTER READY												
CT6-60H(10:1)VT3-60H(20:1												
	50Hz 15HP 190/380V 42/21A											
	SF1.0											

AC Induction Motor Performance Data

Record # 31412

Typical performance - not guaranteed values

Winding: 09WGZ602-R001			Type: 0930M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		15		Full Load Torque		22.1 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		35/17.5		Breakdown Torque		105 LB-FT	
R.P.M.		3525		Pull-up Torque		26.2 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		36.3 LB-FT	
NEMA Design Code		B		KVA Code	G	Starting Current	110 A
Service Factor (S.F.)		1.15		No-load Current		5.58 A	
NEMA Nom. Eff.		91	Power Factor	87	Line-line Res. @ 25°C		0.68654 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	63°C
S.F. Amps						Temp. Rise @ S.F. Load	78°C
						Locked-rotor Power Factor	30
						Rotor inertia	0.766 lb-ft²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	77	85	87	89	89	88
Efficiency	86.4	91	91.6	91	90	88.6	90.4
Speed	3582.7	3563.6	3542.7	3520.9	3495.8	3468.3	3506
Line amperes	6.93	9.78	13.5	17.5	21.6	26.4	20

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





