



Product Information Packet

EM3708T

5HP,1165RPM,3PH,60HZ,215T,3752M,TEFC,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGQ067	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37H244	Layout:	37LYH244	Poles:	06	Created Date:	08-02-2017
Base:	RG	Eff. Date:	07-31-2020	Leads:	9#14	Y	

Specs			
Catalog Number:	EM3708T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	215T	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	K
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	5.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1200 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:	3752M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	71
	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:	7.200 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	15.600 A @ 208.0 V	Shaft Rotation:	Reversible
	14.400 A @ 230.0 V	Shaft Slinger Indicator:	No 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.	EM3708T											
SPEC	37H244Q067G1											
HP	5											
VOLTS	230/460											
AMPS	14.4/7.2											
RPM	1165											
FRAME	215T				HZ		60			PH	3	
SF	1.15			CODE	K	DES		A	CLASS			F
NEMA NOM. EFF	89.5			PF	71							
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V							15.6	
ENCL	TEFC			SER								
DE	6307				ODE		6206					
VPWM INVERTER READY												
CT6-60H(10:1)VT3-60H(20:1												

AC Induction Motor Performance Data

Record # 67641

Typical performance - not guaranteed values

Winding: 37WGQ067-R001				Type: 3752M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		5		Full Load Torque		22.48 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		14.4/7.2		Breakdown Torque		80.1 LB-FT	
R.P.M.		1165		Pull-up Torque		51.2 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		A		KVA Code		K	
Service Factor (S.F.)		1.15		No-load Current		3.98 A	
NEMA Nom. Eff.		89.5		Power Factor		71	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps						Temp. Rise @ S.F. Load	
						Locked-rotor Power Factor	

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	64	70	74	76	72
Efficiency	84.4	89.3	90.2	89.7	88.6	87.1	89
Speed	1191.6	1183.1	1174.9	1164.8	1154	1141.3	1158
Line amperes	4.28	5.07	6.08	7.39	8.87	10.6	8.28

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





