



Product Information Packet

EHM3708T

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

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGQ067	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37J543	Layout:	37LYJ543	Poles:	06	Created Date:	09-21-2017
Base:	RG	Eff. Date:	01-16-2018	Leads:	9#14		

Specs			
Catalog Number:	EHM3708T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	215T	KVA Code:	K
Frame Material:	Steel	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:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 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
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	14.400 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	15.600 A @ 208.0 V	Shaft Rotation:	Reversible
	7.200 A @ 460.0 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 (OLD)
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
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP2094E06B03

CAT.NO.	EHM3708T													
SPEC.	37J543Q067G1													
HP	5													
VOLTS	230/460													
AMPS	14.4/7.2													
RPM	1165													
FRAME	215T				HZ				60		PH		3	
SER.F.	1.15		CODE		K		DES		A		CL		F	
NEMA-NOM-EFF	89.5				PF		71							
RATING	40C AMB-CONT													
CC	010A								USABLE AT 208V				15.6	
DE	6307				ODE				6206					
AUTO	N		MANUAL		N		NONE		Y					
ENCL	TEFC				SN									
BLANK														

Parts List		
Part Number	Description	Quantity
SA345231	SA 37J543Q067G1	1.000 EA
RA333705	RA 37J543Q067G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100B20	PUEP ENCL "T"-307 BRG, W/GRSR	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	4.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	1.000 EA

AC Induction Motor Performance Data

Record # 67641 - Typical performance - not guaranteed values

Winding: 37WGQ067-R001	Type: 3752M	Enclosure: TEFC
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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	Locked-rotor Torque	55.8 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	54.4 A
Service Factor (S.F.)	1.15			No-load Current	3.98 A
NEMA Nom. Eff.	89.5	Power Factor	71	Line-line Res. @ 25°C	3.6757 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	73°C
				Locked-rotor Power Factor	21.9

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





