

BALDOR® • RELIANCE

Product Information Packet

EM3313T-8

10HP,1770RPM,3PH,60HZ,215T,3739M,OPSB,F1

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3739M	Elec. Spec:	37WGT937	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	37F614	Layout:	37LYF614
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	03-15-2006
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-09-2016
Leads:	3#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3553L

CAT.NO.	EM3313T-8										
SPEC.	37F614T937										
HP	10										
VOLTS	200										
AMP	29.5										
RPM	1770										
FRAME	215T				HZ		60		PH		3
SER.F.	1.15		CODE		H	DES		B	CL		F
NEMA-NOM-EFF	91.7		PF		82						
RATING	40C AMB-CONT										
CC	010A		USABLE AT 208V								30.3
DE	6307				ODE		6206				
ENCL	OPSB		SN								
VPWM INVERTER READY											
CT30-60(2:1) VT3-60(20:1)											

Parts List		
Part Number	Description	Quantity
SA140179	SA 37F614T937	1.000 EA
RA129604	RA 37F614T937	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3200A01SP	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3201A01	PU ENDPLATE ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104A35	THRUBOLT .31-18 X 13.687	4.000 EA
37AD2001A01	BAFFLE PLATE, STAMPED	2.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP3553L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 17618 - Typical performance - not guaranteed values

Winding: 37WGT937-R001	Type: 3739M	Enclosure: OPSB
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Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	29.7 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	29.5			Breakdown Torque	90.9 LB-FT
R.P.M.	1765			Pull-up Torque	49.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	54.9 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	215 A
Service Factor (S.F.)	1.15			No-load Current	14 A
NEMA Nom. Eff.	91.7	Power Factor	82	Line-line Res. @ 25°C	0.194 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	41°C
				Locked-rotor Power Factor	38
				Rotor inertia	0.959 LB-FT ²

Load Characteristics 200 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	62	74	80	83	84	82
Efficiency	87	91.7	92.2	91.8	90.8	89.6	91.2
Speed	1793	1786	1778	1770	1761	1751	1765
Line amperes	15.4	19.1	23.8	29.5	35.8	43	33.3

Performance Graph at 200V, 60Hz, 10.0HP Typical performance - Not guaranteed values





