

BALDOR® • RELIANCE

Product Information Packet

OF3305T

5HP,1120RPM,3PH,60HZ,215T,3731M,OPEN,F2

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3731M	Elec. Spec:	37WGT940	CD Diagram:	CD0321
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	37Q016	Layout:	37LYQ016
Frame:	215T	Mounting:	F2	Poles:	06	Created Date:	01-17-2011
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	04-02-2015
Leads:	12#12	Y				Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2961E											
CAT.NO.	OF3305T										
SPEC.	37Q016T940G1										
HP	5										
VOLTS	230/460/796										
AMP	16.2/8.1/4.7										
RPM	1120										
FRAME	215T				HZ	60		PH	3		
SER.F.	1.00			CODE	J		DES	D		CLASS	B
NEMA-NOM-EFF	82.5			PF	70						
RATING	40C AMB-CONT										
CC								USABLE AT 208V			
DE	6307			ODE	6307						
ENCL	OPEN			SN							

Nameplate NP0090E	
FRONT	6307
PULLEY	6307
LUBRICATE WITH GREASE	POLYREX EM

Parts List		
Part Number	Description	Quantity
SA215148	SA 37Q016T940G1	1.000 EA
RA202347	RA 37Q016T940G1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB1001A36G	SPL CONDUIT BOX W/1.00" NPT LEAD HOLE (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
37EP1202A02	SPL FR ENDPLATE	1.000 EA
HA1222	RODENT SCREEN - 37 C-FACE MOTORS	4.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	6.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	6.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
37EP1202A01	PU ENDPLATE, MACH	1.000 EA
37AD2000A01	BAFFLE PLATE, STAMPED PLATED	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
HA1222	RODENT SCREEN - 37 C-FACE MOTORS	4.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	6.000 EA
HW1000A08	#8 SAE FLAT WASHER	6.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
36CB4516	36 LIPPED CB LID	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

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
ML4400B12	UL3644,200C,1000V,SILICONE,12 GA,BLACK	12.000 IN
LB9031A01	BRADY B-12 ACETATE CLOTH WIRE MARKER #1	1.000 SH
LB9031A02	BRADY B-12 ACETATE CLOTH WIRE MARKER #2	1.000 SH
LB9031A03	BRADY B-12 ACETATE CLOTH WIRE MARKER #3	1.000 SH
LB9031A04	BRADY B-12 ACETATE CLOTH WIRE MARKER #4	1.000 SH
LB9031A05	BRADY B-12 ACETATE CLOTH WIRE MARKER #5	1.000 SH
LB9031A06	BRADY B-12 ACETATE CLOTH WIRE MARKER #6	1.000 SH
LB9031A07	BRADY B-12 ACETATE CLOTH WIRE MARKER #7	1.000 SH
LB9031A08	BRADY B-12 ACETATE CLOTH WIRE MARKER #8	1.000 SH
LB9031A09	BRADY B-12 ACETATE CLOTH WIRE MARKER #9	1.000 SH
LB9031A10	BRADY B-12 ACETATE CLOTH WIRE MARKER #10	1.000 SH
LB9031A11	BRADY B-12 ACETATE CLOTH WIRE MARKER #11	1.000 SH
LB9031A12	BRADY B-12 ACETATE CLOTH WIRE MARKER #12	1.000 SH
MG1025G03	WILKOFAS, 789.901, OIL RIG SILVER	0.028 GA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0321	CONNECTION LABEL	1.000 EA
NP2961E	ALUM CSA CC	1.000 EA
NP0090E	SS NO LOGO'S BEARING & GREASE DATA	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

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

AC Induction Motor Performance Data

Record # 33321 - Typical performance - not guaranteed values

Winding: 37WGT940-R001	Type: 3731M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection	
Rated Output (HP)	5			Full Load Torque	23.5 LB-FT
Volts	230/460/796			Start Configuration	direct on line
Full Load Amps	16.2/8.1/4.7			Breakdown Torque	80.5 LB-FT
R.P.M.	1120			Pull-up Torque	65.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	76.5 LB-FT
NEMA Design Code	D	KVA Code	J	Starting Current	48.7 A
Service Factor (S.F.)	1.15			No-load Current	4.81 A
NEMA Nom. Eff.	82.5	Power Factor	70	Line-line Res. @ 25°C	1.9881 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	61	70	75	79	73
Efficiency	75.8	82.9	83.8	82.6	80.3	77.2	81.2
Speed	1180.9	1162.8	1142.8	1118.7	1091.5	1060	1102
Line amperes	5.11	5.84	6.84	8.13	9.7	11.5	9.07

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





