

BALDOR® • RELIANCE

Product Information Packet

EL3612T

5HP,1735RPM,1PH,60HZ,184T,3646LC,TEFC,F1

Part Detail							
Revision:	AS	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646LC	Elec. Spec:	36WGY530	CD Diagram:	CD0017A02
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36E004	Layout:	36LYE004
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2015
Leads:	2#10 A PH,2#16 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2116L

CAT.NO.	EL3612T														
SPEC.	36E004Y530E7														
HP	5														
VOLTS	230														
AMP	19.1														
RPM	1735														
FRAME	184T				HZ				60		PH		1		
SER.F.	1.00			CODE		G		DES		L		CL		F	
NEMA-NOM-EFF	86.5			PF		97									
RATING	40C AMB-CONT														
CC											USABLE AT 208V				
DE	6206				ODE		6205								
ENCL	TEFC			SN											

Parts List		
Part Number	Description	Quantity
SA034405	SA 36E004Y530E7	1.000 EA
RA030433	RA 36E004Y530E7	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36FE3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
36GS3000	GASKET, CAPACITOR COVER LEXIDE	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	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

Parts List (continued)		
Part Number	Description	Quantity
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
36FH4009A124	IEC FH W/GRSR,GRILL,NO DIMPLES,PRIMER	1.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA
36CB5005A01	CAPACITOR BOX KIT, 36CB3800, OC3060F10,	1.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
NP2116L	ALUM SUPER-E UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 11393 - Typical performance - not guaranteed values

Winding: 36WGY530-R001	Type: 3646LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	19.1			Breakdown Torque	34.8 LB-FT
R.P.M.	1735			Pull-up Torque	31.9 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	41.1 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	127 A
Service Factor (S.F.)	1			No-load Current	3.08 A
NEMA Nom. Eff.	86.5	Power Factor	97	Line-line Res. @ 25°C	0.42 Ω A Ph 0.91 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	86°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	92	96	97	97	97	96
Efficiency	70.6	83.6	86.8	86.6	84.4	80.4
Speed	1784	1771	1755	1737	1716	1687
Line amperes	6.05	9.95	14.3	19.1	24.5	31.1

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values





