

BALDOR® • RELIANCE

Product Information Packet

L3613T

1.5HP,1140RPM,1PH,60HZ,184T,3634LC,TEFC

Part Detail							
Revision:	AP	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634LC	Elec. Spec:	36WG839	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36E004	Layout:	36LYE004
Frame:	184T	Mounting:	F1	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2015
Leads:	6#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	L3613T										
SPEC.	36E04W839										
HP	1.5										
VOLTS	115/230										
AMP	16.4/8.2										
RPM	1140										
FRAME	184T				HZ		60		PH	1	
SER.F.	1.15			CODE	J	DES		L	CLASS	F	
NEMA-NOM-EFF	73			PF	81						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							8.6
DE	6206			ODE		6205					
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA034452	SA 36E04W839	1.000 EA
RA030480	RA 36E04W839	1.000 EA
OC3060C09	CYL OIL CAP 60MFD/240V	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	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

Parts List (continued)		
Part Number	Description	Quantity
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
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
36CB3800SP	CAPACITOR COVER, CAST	1.000 EA
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
36FH4009A102	IEC FH GREASER PRIMED	1.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM 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 # 44641 - Typical performance - not guaranteed values

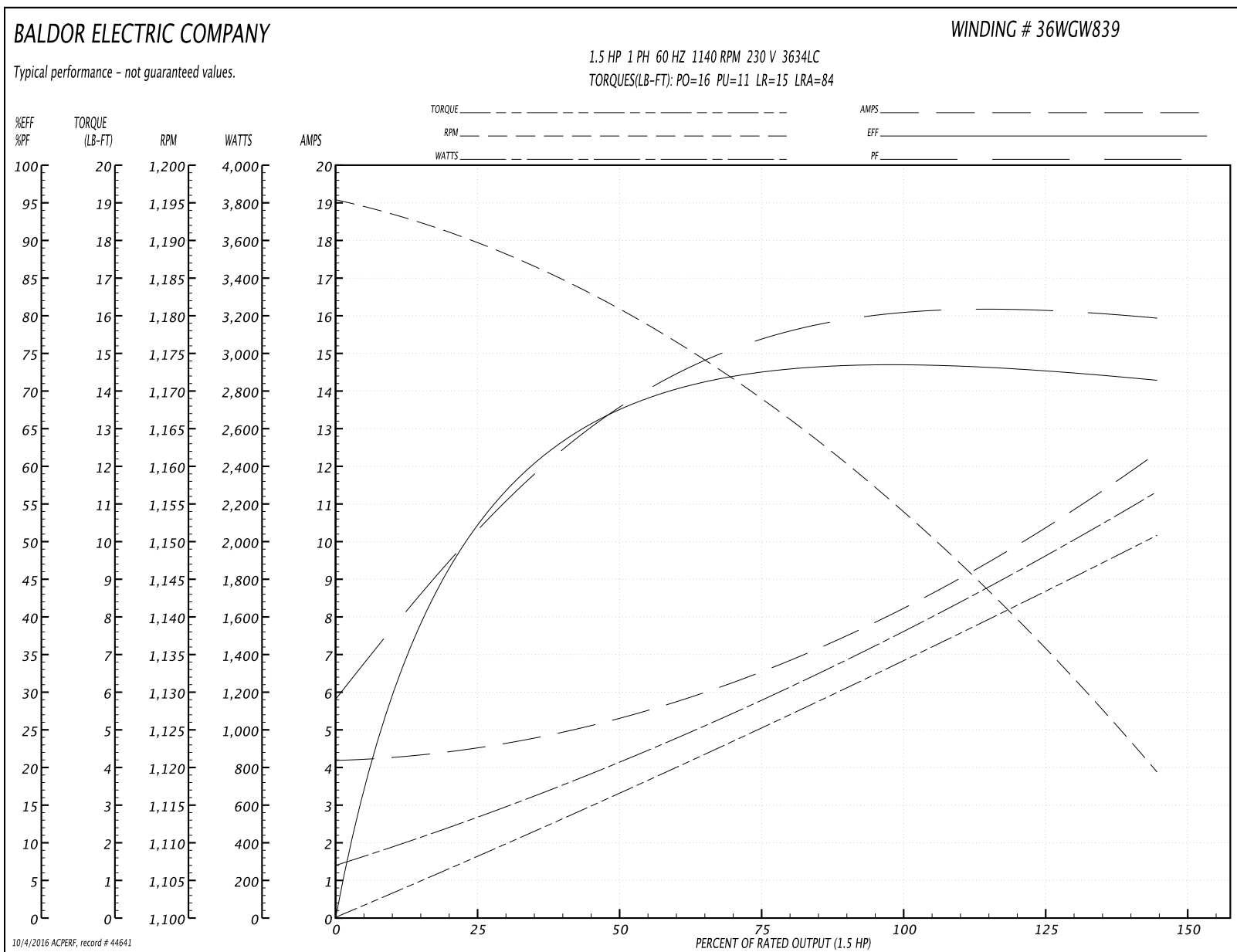
Winding: 36WGW839-R001	Type: 3634LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	6.8 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	16.4/8.2			Breakdown Torque	16 LB-FT
R.P.M.	1140			Pull-up Torque	11 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	15 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	84 A
Service Factor (S.F.)	1.15			No-load Current	4.1 A
NEMA Nom. Eff.	73	Power Factor	81	Line-line Res. @ 25°C	0.403 Ω A Ph 1.01 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	76°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C
				Rotor inertia	0.319 LB-FT ²

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	68	76	81	81	80	81
Efficiency	51.4	66.5	72.4	74.3	73.8	70.7	74
Speed	1188	1179	1168	1156	1140	1117	1146
Line amperes	4.6	5.5	6.5	8.2	10	12.5	9.2

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 44642 - Typical performance - not guaranteed values

Winding: 36WGW839-R001	Type: 3634LC	Enclosure: TEFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	6.8 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	16.4/8.2			Breakdown Torque	16 LB-FT
R.P.M.	1140			Pull-up Torque	11 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	15 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	84 A
Service Factor (S.F.)	1.15			No-load Current	8.2 A
NEMA Nom. Eff.	73	Power Factor	81	Line-line Res. @ 25°C	0.403 Ω A Ph 1.01 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	76°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C
				Rotor inertia	0.319 LB-FT ²

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	68	76	81	81	80	81
Efficiency	51.4	66.5	72.4	74.3	73.8	70.7	74
Speed	1188	1179	1168	1156	1140	1117	1146
Line amperes	9.2	10.9	13.3	16.2	19.9	24.9	18.4

Performance Graph at 115V, 60Hz, 1.5HP Typical performance - Not guaranteed values

