

BALDOR® • RELIANCE

Product Information Packet

L1409T

5HP,3450RPM,1PH,60HZ,184T,3634L,OPEN,F1

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634L	Elec. Spec:	36WG0190	CD Diagram:	CD0017A01
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	36E002	Layout:	36LYE002
Frame:	184T	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-10-2015
Leads:	2#10 A PH,2#16 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	L1409T																	
SPEC.	36E02-190																	
HP	5																	
VOLTS	230																	
AMP	23																	
RPM	3450																	
FRAME	184T						HZ		60				PH		1			
SER.F.	1.15						CODE		F		DES		L		CLASS		B	
NEMA-NOM-EFF	75						PF		88									
RATING	40C AMB-CONT																	
CC							USABLE AT 208V										24	
DE	6206						ODE		6205									
ENCL	OPEN				SN													

Parts List		
Part Number	Description	Quantity
SA034422	SA 36E02-190	1.000 EA
RA030450	RA 36E02-190	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	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
36FE3200A01	FR ENDPLATE, ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3201A01	PU ENDPLATE, ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	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
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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
36CB5008A01	CAPACITOR BOX KIT, 36CB3800, EC1216C06	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
SP5172A01	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	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
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10437 - Typical performance - not guaranteed values

Winding: 36WG0190-R001	Type: 3634L	Enclosure: OPEN
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.6 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	23			Breakdown Torque	18.7 LB-FT
R.P.M.	3450			Pull-up Torque	16 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	18 LB-FT
NEMA Design Code	L	KVA Code	F	Starting Current	125 A
Service Factor (S.F.)	1.15			No-load Current	9 A
NEMA Nom. Eff.	75	Power Factor	88	Line-line Res. @ 25°C	0.338 Ω A Ph 1.16 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	76	84	88	90	90	0
Efficiency	63	74.5	77.7	78	76.5	73.6	0
Speed	3559	3524	3485	3440	3387	3318	0
Line amperes	10.9	14.3	18.6	23.6	29.6	36.8	27.2

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





