

BALDOR® • RELIANCE

Product Information Packet

CHC144A

.25HP,1725RPM,1PH,60HZ,48Z,3411C,TEAO,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3411C	Elec. Spec:	34WGS986	CD Diagram:	CD0804
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	34M212	Layout:	34LYM212
Frame:	48Z	Mounting:	F1	Poles:	04	Created Date:	04-09-2013
Base:	RS	Rotation:	RS	Insulation:	B	Eff. Date:	10-03-2014
Leads:	7#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L									
CAT.NO.	CHC144A								
SPEC.	34M212S986G1								
HP	.25								
VOLTS	115/230								
AMP	2.8/1.4								
RPM	1725								
FRAME	48Z	HZ			60	PH	1		
SER.F.	1.00	CODE			F	DES	-	CL	B
NEMA-NOM-EFF	70	PF			81				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			1.5				
DE	6203	ODE			6203				
ENCL	TEAO	SN							

Parts List		
Part Number	Description	Quantity
SA262800	SA 34M212S986G1	1.000 EA
RA249524	RA 34M212S986G1	1.000 EA
OC3008F12SP	CYL OIL CAP 8MFD/370V	1.000 EA
34EP3204A01SP	FR ENDPLATE, MACH	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3205B01	PU ENDPLATE, MACH	1.000 EA
XY0832A02	8-32 HEX NUT	4.000 EA
LD5000A52	LEAD ASSY W/INTERNAL STAR RING TERMINALS	1.000 EA
11XT1032A06	10-32 X 3/8 HX WSHR HD SLTD TYPE 23	2.000 EA
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 EA
34GS1005	GASKET, TERM PLATE LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	7.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1000A08	#8 SAE FLAT WASHER	4.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
34BA4001A01A	RESILIENT BASE, 408-416 AUTOPHORETIC	1.000 EA
SP5076A01	MODEL 34 TERMINAL PANEL	1.000 EA
33CB4800A01	CAPACITOR COVER, STAMPED	1.000 EA
35GS3001A01	GASKET, CAPACITOR COVER	1.000 EA
HA3169A17	THRUBOLT #8-32 THDS X 8.375" LONG	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 41866 - Typical performance - not guaranteed values

Winding: 34WGS986-R003	Type: 3411C	Enclosure: TEAO
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	0.766 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	2.8/1.4			Breakdown Torque	1.89 LB-FT
R.P.M.	1700			Pull-up Torque	0.3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	0.35 LB-FT
NEMA Design Code	N	KVA Code	F	Starting Current	12.2 A
Service Factor (S.F.)	1.15			No-load Current	2.05 A
NEMA Nom. Eff.	70	Power Factor	81	Line-line Res. @ 25°C	3.14 Ω A Ph 32.5 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	65	74	81	86	87	84
Efficiency	35	54.3	64.7	70.9	70.3	70.6	70.5
Speed	1781	1766	1751	1733	1710	1681	1719
Line amperes	2.17	2.36	2.58	2.87	3.35	3.87	3.16

Performance Graph at 115V, 60Hz, 0.25HP Typical performance - Not guaranteed values





