

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **HIC274A**

**.33HP, 1725RPM, 1PH, 60HZ, 48Z, 3414C, TEAO, F1**

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3414C	Elec. Spec:	34WGR069	CD Diagram:	CD0804A01
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	34M259	Layout:	34LYM259
Frame:	48Z	Mounting:	F1	Poles:	04	Created Date:	06-03-2013
Base:	N	Rotation:	RS	Insulation:	F	Eff. Date:	05-23-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L										
CAT.NO.	HIC274A									
SPEC.	34M259R069G1									
HP	.33									
VOLTS	115/230									
AMP	4.4/2.2									
RPM	1725									
FRAME	48Z					HZ	60		PH	1
SER.F.	1.00		CODE	H		DES	-		CL	F
NEMA-NOM-EFF	66		PF	75						
RATING	40C AMB-CONT									
CC							USABLE AT 208V			
DE	6203		ODE	6203						
ENCL	TEAO		SN							

Parts List		
Part Number	Description	Quantity
SA264079	SA 34M259R069G1	1.000 EA
RA250793	RA 34M259R069G1	1.000 EA
OC3020F12	CYL OIL CAP 20MFD/370V	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
33CB4800A01	CAPACITOR COVER, STAMPED	1.000 EA
35GS3001A01	GASKET, CAPACITOR COVER	1.000 EA
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
WD4100A42	CAPLUG BPF-3/4, FOR 1/2" NPT OR 3/4 HOLE	1.000 EA
34EP3204D01	SPL FR ENDPLATE 34L - ENCL	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3109D01	PU ENDPLATE, MACH ENCL, 5.125 B.C.	1.000 EA
XY0832A02	8-32 HEX NUT	8.000 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
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
ML14-8C18	18 AWG, 8,RED	24.000 IN
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	2.000 EA
WD1000A27	2-520263-4 AMP TRM 3.4/RL	1.000 EA
WD1000A28	SPADE TERM,18-22AWG.INSUL.(3./RL) AMP# 2	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
WD1000A27	2-520263-4 AMP TRM 3.4/RL	1.000 EA
WD1000A28	SPADE TERM,18-22AWG.INSUL.(3./RL) AMP# 2	1.000 EA
ML14-6L18	18 AWG, 6,PURPLE	21.000 IN
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	1.000 EA
ML14-6L18	18 AWG, 6,PURPLE	21.000 IN
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	7.000 EA
SP5068A29	MODEL 34 TERM PANEL SWITCH "L"	1.000 EA
HA3169A07	THRUBOLT #8-32 THDS X 8.188" LONG	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

**AC Induction Motor Performance Data**

Record # 43213 - Typical performance - not guaranteed values

<b>Winding:</b> 34WGR069-R001	<b>Type:</b> 3414C	<b>Enclosure:</b> TEAO
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33 AIR OVER			Full Load Torque	1.01 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	4.4/2.2			Breakdown Torque	3.21 LB-FT
R.P.M.	1725			Pull-up Torque	0.498 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	0.611 LB-FT
NEMA Design Code	-	KVA Code	H	Starting Current	9.41 A
Service Factor (S.F.)	1			No-load Current	1.66 A
NEMA Nom. Eff.	66	Power Factor	75	Line-line Res. @ 25°C	8.3747 Ω A Ph 7.1689 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	47	59	69	75	80	84
Efficiency	35.9	53.3	62.8	68.4	71.3	72.9
Speed	1782.8	1770.3	1756	1741.4	1724.1	1705.6
Line amperes	1.69	1.76	1.91	2.11	2.32	2.59

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





