

BALDOR® • RELIANCE

Product Information Packet

YPC345A

.5HP,1625RPM,1PH,60HZ,56YZ,3414C,TEAO,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3414C	Elec. Spec:	34WGR019	CD Diagram:	CD0798
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	34M197	Layout:	34LYM197
Frame:	56YZ	Mounting:	F1	Poles:	04	Created Date:	03-19-2013
Base:	YP	Rotation:	RS	Insulation:	B	Eff. Date:	08-27-2013
Leads:	5#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L									
CAT.NO.	YPC345A								
SPEC.	34M197R019G1								
HP	.5								
VOLTS	115								
AMP	5.1								
RPM	1625								
FRAME	56YZ	HZ			60	PH	1		
SER.F.	1.00	CODE			C	DES	-	CL	B
NEMA-NOM-EFF	70	PF			94				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6203	ODE			6203				
ENCL	TEAO	SN							

Parts List		
Part Number	Description	Quantity
SA260604	SA 34M197R019G1	1.000 EA
RA247349	RA 34M197R019G1	1.000 EA
OC3030F14SP	CYL OIL CAP 30MFD/370V AEROVOX 1 3/4 X	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
WD4100A42	CAPLUG BPF-3/4, FOR 1/2" NPT OR 3/4 HOLE	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
34EP3204D01	SPL FR ENDPLATE 34L - ENCL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 EA
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
34EP3109D01	PU ENDPLATE, MACH ENCL, 5.125 B.C.	1.000 EA
XY0832A02	8-32 HEX NUT	4.000 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
HW1000A08	#8 SAE FLAT WASHER	4.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	5.000 EA
SP5076A01	MODEL 34 TERMINAL PANEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA3169A25	THRUBOLT #8-32 THDS X 8.688" LONG	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0085	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
ML14-8C18	18 AWG, 8,RED	10.000 IN
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	2.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 43211 - Typical performance - not guaranteed values

Winding: 34WGR019-R001	Type: 3414C	Enclosure: TEAO
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Nameplate Data				115 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.5			Full Load Torque	1.62 LB-FT
Volts	115			Start Configuration	direct on line
Full Load Amps	5.1			Breakdown Torque	2.84 LB-FT
R.P.M.	1625			Pull-up Torque	0.415 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	0.528 LB-FT
NEMA Design Code	-	KVA Code	C	Starting Current	16.8 A
Service Factor (S.F.)	1			No-load Current	1.78 A
NEMA Nom. Eff.	70	Power Factor	94	Line-line Res. @ 25°C	2.1755 Ω A Ph 5.0969 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	82	89	93	94	94	93
Efficiency	47.6	64.8	70.8	71.7	67.9	59.2
Speed	1775	1751.7	1722.3	1687.1	1643.6	1556.6
Line amperes	2.23	2.98	3.95	5.01	6.4	8.46

Performance Graph at 115V, 60Hz, 0.5HP Typical performance - Not guaranteed values





