

BALDOR® • RELIANCE

Product Information Packet

M3539

.5HP,1140RPM,3PH,60HZ,56,3418M,TEFC,F1

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3418M	Elec. Spec:	34WG5884	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34A061	Layout:	34LYA061
Frame:	56	Mounting:	F1	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-19-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	M3539										
SPEC.	34A61-5884										
HP	.5										
VOLTS	230/460										
AMP	2.4/1.2										
RPM	1140										
FRAME	56				HZ	60				PH	3
SER.F.	1.25			CODE	J	DES	B		CLASS	B	
NEMA-NOM-EFF	72			PF	55						
RATING	40C AMB-CONT										
CC				USABLE AT 208V						2.7	
DE	6203			ODE	6203						
ENCL	TEFC			SN							
	SFA 2.6/1.3										

Parts List		
Part Number	Description	Quantity
SA009790	SA 34A61-5884	1.000 EA
RA006235	RA 34A61-5884	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1171	LABEL CARTON 6X6 ON LINE BLANK	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-171	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 6835 - Typical performance - not guaranteed values

Winding: 34WG5884-R001	Type: 3418M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	2.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.4/1.2			Breakdown Torque	7.7 LB-FT
R.P.M.	1140			Pull-up Torque	6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	6.2 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	5 A
Service Factor (S.F.)	1.25			No-load Current	0.95 A
NEMA Nom. Eff.	72	Power Factor	55	Line-line Res. @ 25°C	39.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps	2.6/1.3			Temp. Rise @ S.F. Load	77°C

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	20	34	45	55	62	68	62
Efficiency	48	63	67	72	72	71	72
Speed	1185	1170	1155	1140	1120	1100	1120
Line amperes	0.95	1	1.1	1.2	1.3	1.5	1.3

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values





