

BALDOR® • RELIANCE

Product Information Packet

M3546

1HP,1725RPM,3PH,60HZ,56,3426M,TEFC,F1,N

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3426M	Elec. Spec:	34WGX269	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34G796	Layout:	34LYG796
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	12-17-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M3546								
SPEC.	34G796X269								
HP	1								
VOLTS	208-230/460								
AMP	3.7-3.4/1.7								
RPM	1725								
FRAME	56	HZ			60	PH		3	
SER.F.	1.15	CODE			M	DES		B	CLASS
NEMA-NOM-EFF	78.5	PF			71				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			3.7				
DE	6203	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA009422	SA 34G796X269	1.000 EA
RA005744	RA 34G796X269	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	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
HW5100A03SP	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	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
HW2501D13SP	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	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 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

Parts List (continued)		
Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
LB1119N	WARNING LABEL	1.000 EA

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

AC Induction Motor Performance Data

Record # 7286 - Typical performance - not guaranteed values

Winding: 34WGX269-R001	Type: 3426M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.7-3.4/1.7			Breakdown Torque	12.7 LB-FT
R.P.M.	1725			Pull-up Torque	10.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	13 A
Service Factor (S.F.)	1.15			No-load Current	1.2 A
NEMA Nom. Eff.	78.5	Power Factor	71	Line-line Res. @ 25°C	13.2 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C
S.F. Amps				Temp. Rise @ S.F. Load	94°C
				Rotor inertia	0.0619 LF ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	47	60	68	75	79	72
Efficiency	63.9	75.5	78.3	78.6	77.4	75.5	77.9
Speed	1781	1763	1745	1725	1702	1677	1711
Line amperes	1.23	1.33	1.5	1.72	1.97	2.27	1.87

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





