

BALDOR® • RELIANCE

Product Information Packet

M3155

2HP,3450RPM,3PH,60HZ,56,3428M,OPEN,F1,N

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3428M	Elec. Spec:	34WG0284	CD Diagram:	CD0005
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34F779	Layout:	34LYF779
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	08-10-2011
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-30-2011
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M3155								
SPEC.	34F779-0284								
HP	2								
VOLTS	208-230/460								
AMP	6.2-5.8/2.9								
RPM	3450								
FRAME	56	HZ		60	PH	3			
SER.F.	1.15	CODE		H	DES	B	CLASS	B	
NEMA-NOM-EFF	80	PF		80					
RATING	40C AMB-CONT								
CC		USABLE AT 208V		6.2					
DE	6203	ODE		6203					
ENCL	OPEN	SN							
	SFA 6.8-6.4/3.2								

Parts List		
Part Number	Description	Quantity
SA229001	SA 34F779-0284	1.000 EA
RA216053	RA 34F779-0284	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	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
34EP3210A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3212A24	PU ENDPLATE, MODEL 34 OPEN	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	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
HA3100A45	THRUBOLT 10-32 X 8.875	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
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
34PA1002	PACKING GROUP, BALDOR	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 18005 - Typical performance - not guaranteed values

Winding: 34WG0284-R001	Type: 3428M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3.11 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	6.2-5.8/2.9			Breakdown Torque	12 LB-FT
R.P.M.	3450			Pull-up Torque	10.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.4 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	20.8 A
Service Factor (S.F.)	1.15			No-load Current	1.35 A
NEMA Nom. Eff.	80	Power Factor	80	Line-line Res. @ 25°C	7.39 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	85°C
S.F. Amps	6.8-6.4/3.2			Temp. Rise @ S.F. Load	103°C
				Rotor inertia	0.026 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	68	80	87	90	91	89
Efficiency	67.7	77.5	80.1	80	78.5	76	79.1
Speed	3547	3502	3447	3389	3324	3247	3350
Line amperes	1.47	1.76	2.21	2.72	3.34	4.07	3.09

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





