

BALDOR® • RELIANCE

Product Information Packet

VNM3542

.75HP,1725RPM,3PH,60HZ,56C,3428M,TENV,F1

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3428M	Elec. Spec:	34WG3820	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	34K013	Layout:	34LYK013
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-22-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	VNM3542											
SPEC.	34K13-3820											
HP	.75											
VOLTS	230/460											
AMP	2.6/1.3											
RPM	1725											
FRAME	56C				HZ		60				PH	3
SER.F.	1.25		CODE		L	DES		B	CLASS		F	
NEMA-NOM-EFF	75			PF		71						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								3.2
DE	6203				ODE		6203					
ENCL	TENV		SN									
	SFA 3/1.5											

Parts List		
Part Number	Description	Quantity
SA008077	SA 34K13-3820	1.000 EA
RA004524	RA 34K13-3820	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
34EP3100A03SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 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
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
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	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 # 6709 - Typical performance - not guaranteed values

Winding: 34WG3820-R003	Type: 3428M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.25 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.6/1.3			Breakdown Torque	9 LB-FT
R.P.M.	1725			Pull-up Torque	6.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.7 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	9.1 A
Service Factor (S.F.)	1.25			No-load Current	0.76 A
NEMA Nom. Eff.	75	Power Factor	71	Line-line Res. @ 25°C	18.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C
S.F. Amps	3/1.5			Temp. Rise @ S.F. Load	79°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	55	67	75	80	83	78
Efficiency	57	70	75	77.7	78	78	77.9
Speed	1778	1761	1743	1724	1703	1680	1711
Line amperes	0.81	0.9	1.04	1.2	1.4	1.62	1.32

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





