

BALDOR® • RELIANCE

Product Information Packet

NM3542

.75HP,1750RPM,3PH,60HZ,56,3514M,TENV,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3514M	Elec. Spec:	35WGP672	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35A026	Layout:	35LYA026
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	02-20-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-01-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	NM3542												
SPEC.	35A026P672G1												
HP	.75												
VOLTS	230/460												
AMP	2.8/1.4												
RPM	1750												
FRAME	56				HZ		60				PH	3	
SER.F.	1.25			CODE		M	DES		B	CLASS		F	
NEMA-NOM-EFF	78.5				PF		66						
RATING	40C AMB-CONT												
CC					USABLE AT 208V							3	
DE	6205				ODE		6203						
ENCL	TENV			SN									
	SFA 3/1.5												

Parts List		
Part Number	Description	Quantity
SA168980	SA 35A026P672G1	1.000 EA
RA157269	RA 35A026P672G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35EP3100M69	STD FR EP-TENV-35L OR M--203 BRG	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521GX	CONDUIT BOX LID KIT	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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 31358 - Typical performance - not guaranteed values

Winding: 35WGP672-R002	Type: 3514M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.26 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.8/1.4			Breakdown Torque	11.5 LB-FT
R.P.M.	1750			Pull-up Torque	6.93 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.71 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	10.5 A
Service Factor (S.F.)	1.25			No-load Current	1.07 A
NEMA Nom. Eff.	78.5	Power Factor	66	Line-line Res. @ 25°C	21.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	3/1.5			Temp. Rise @ S.F. Load	

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	44	56	66	74	79	74
Efficiency	57.7	71.7	76.6	78.6	79	78.6	79
Speed	1789	1777	1766	1751	1736	1722	1736
Line amperes	1.08	1.14	1.22	1.36	1.52	1.69	1.52

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





