

BALDOR® • RELIANCE

Product Information Packet

EM31154A

1.5HP,1750RPM,3PH,60HZ,56,3526M,OPEN,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGL172	CD Diagram:	CD0007
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35B011	Layout:	35LYB011
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	10-10-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-27-2016
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3273L

CAT.NO.	EM31154A										
SPEC.	35B011L172G1										
HP	1.5										
VOLTS	230/460										
AMP	4.4/2.2										
RPM	1750										
FRAME	56				HZ	60				PH	3
SER.F.	1.15				CODE	M	DES		B	CL	F
F.L. AVG. EFF.	86.5			PF	72						
RATING	40C AMB-CONT										
CC				USABLE AT 208V						4.6	
DE	6205				ODE	6203					
ENCL	OPEN		SN								

Parts List		
Part Number	Description	Quantity
SA288150	SA 35B011L172G1	1.000 EA
RA274348	RA 35B011L172G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD 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
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A02	PUEP OPEN 205 BRG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	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
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
NP3273L	ALUM SUPER-E THERMALLY PROTECTED	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 57234 - Typical performance - not guaranteed values

Winding: 35WGL172-R003	Type: 3526M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1.5			Full Load Torque	4.46 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.4/2.2			Breakdown Torque	20.6 LB-FT
R.P.M.	1750			Pull-up Torque	12.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	19.6 A
Service Factor (S.F.)	1.15			No-load Current	1.38 A
NEMA Nom. Eff.	86.5	Power Factor	72	Line-line Res. @ 25°C	9.4929 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	40°C
				Locked-rotor Power Factor	49.6

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	64	72	78	82	76
Efficiency	76.5	84.6	87	87.5	87.1	86.3	87.3
Speed	1790	1781.1	1771.5	1761	1749.5	1737.2	1754
Line amperes	1.45	1.63	1.88	2.2	2.58	3	2.43

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





