

BALDOR® • RELIANCE

Product Information Packet

EM31157

2HP,1750RPM,3PH,60HZ,56H,3530M,ODP,F1,N

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3530M	Elec. Spec:	35WGL154	CD Diagram:	CD0005
Enclosure:	ODP	Mfg Plant:		Mech. Spec:	35J382	Layout:	35LYJ382
Frame:	56H	Mounting:	F1	Poles:	04	Created Date:	01-06-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-27-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L

CAT.NO.	EM31157												
SPEC.	35J382L154G1												
HP	2												
VOLTS	230/460												
AMP	6/3												
RPM	1750												
FRAME	56H				HZ		60				PH		3
SER.F.	1.15			CODE		M	DES		B	CL		F	
F.L. AVG. EFF.	86.5				PF		71						
RATING	40C AMB-CONT												
CC					USABLE AT 208V								6
DE	6205				ODE		6203						
ENCL	ODP			SN									

Parts List		
Part Number	Description	Quantity
SA291854	SA 35J382L154G1	1.000 EA
RA277973	RA 35J382L154G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
51XB1016A06	10-16X3/8 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
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 57235 - Typical performance - not guaranteed values

Winding: 35WGL154-R006	Type: 3530M	Enclosure: ODP
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	6/3			Breakdown Torque	27.9 LB-FT
R.P.M.	1750			Pull-up Torque	13.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.7 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	26.4 A
Service Factor (S.F.)	1.15			No-load Current	1.94 A
NEMA Nom. Eff.	86.5	Power Factor	71	Line-line Res. @ 25°C	6.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	37°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C
				Locked-rotor Power Factor	51.1
				Rotor inertia	0.177 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	49	63	71	77	81	75
Efficiency	75	83.9	86.7	87.2	86.9	86	87
Speed	1791	1783	1774	1766	1755	1744	1759
Line amperes	2.05	2.29	2.61	3.04	3.51	4.03	3.32

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





