

BALDOR® • RELIANCE

Product Information Packet

VEL11317

2HP,3470RPM,1PH,60HZ,56C,3540LC,OPEN,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3540LC	Elec. Spec:	35WGN674	CD Diagram:	CD0055
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35E4016	Layout:	35LYE4016
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	09-29-2014
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	07-28-2016
Leads:	6#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L

CAT.NO.	VEL11317										
SPEC.	35E4016N674G1										
HP	2										
VOLTS	115/230										
AMP	15.6/7.8										
RPM	3470										
FRAME	56C				HZ	60				PH	1
SER.F.	1.15		CODE	G	DES	L		CL	B		
F.L. AVG. EFF.	82.9			PF	99						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6205			ODE	6203						
ENCL	OPEN		SN								

Parts List		
Part Number	Description	Quantity
SA287564	SA 35E4016N674G1	1.000 EA
RA273773	RA 35E4016N674G1	1.000 EA
OC3070C09	AEROVOX #Z24P247OM22A1 OIL CAP 70MFD/240	1.000 EA
EC1645B06	ELEC CAP 165V 2.0 X 4.3	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	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
SP1006A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
35EP3201A16	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35EP3400A13	STD FACE MTD END PLATE OPEN NEMA 56C 05	1.000 EA
35AD2000	AIR BAFFLE	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
35FH4006A01SP	DRIP COVER,STAMPED,W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XN1032A06	10-32 X .38 HEX SLOTTED SERRATED WASHER	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
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	4.000 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
HA3100A24	THRUBOLT 10-32 X 10.625	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 44961 - Typical performance - not guaranteed values

Winding: 35WGN674-R001	Type: 3540LC	Enclosure: OPEN
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3.02 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	15.6/7.8			Breakdown Torque	7.37 LB-FT
R.P.M.	3470			Pull-up Torque	4.62 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.94 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	98.8 A
Service Factor (S.F.)	1.15			No-load Current	2.21 A
NEMA Nom. Eff.	82.9	Power Factor	99	Line-line Res. @ 25°C	0.28842 Ω A Ph 0.56941 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	25°C
S.F. Amps				Temp. Rise @ S.F. Load	33°C

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	97	100	100	99	99	98	99
Efficiency	71.3	82	84.1	83.5	80.6	76.8	81.8
Speed	3570.3	3542.6	3508.2	3472.2	3424.1	3372.2	3443
Line amperes	4.73	7.91	11.7	15.6	20.5	25.8	18.5

Performance Graph at 115V, 60Hz, 2.0HP Typical performance - Not guaranteed values





