

BALDOR® • RELIANCE

Product Information Packet

VL3508

.75HP,1140RPM,1PH,60HZ,56C,3528LC,TEFC,F

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528LC	Elec. Spec:	35WGN454	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E022	Layout:	35LYE022
Frame:	56C	Mounting:	F1	Poles:	06	Created Date:	09-19-2012
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	11-14-2013
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	VL3508									
SPEC.	35E022N454G1									
HP	.75									
VOLTS	115/230									
AMP	7.8/3.9									
RPM	1140									
FRAME	56C	HZ			60	PH		1		
SER.F.	1.00	CODE			J	DES		L	CLASS	B
NEMA-NOM-EFF	73.5	PF			83					
RATING	40C AMB-CONT									
CC		USABLE AT 208V			4					
DE	6205	ODE			6203					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA251541	SA 35E022N454G1	1.000 EA
RA238380	RA 35E022N454G1	1.000 EA
OC3040F09SP	CYL OIL CAP 40MFD/370V	1.000 EA
EC1189C06SP	ELEC CAP, 189-227 MFD, 250V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	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
35EP3100M02	FREP TEFC 203 BRG W/O GR SR (RAISED FH MT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801SP	CAPACITOR COVER, CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	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
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GR SR W/3 HOLES - W/AUTOPHERETI	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501D13SP	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
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 37941 - Typical performance - not guaranteed values

Winding: 35WGN454-R001	Type: 3528LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	3.27 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	7.8/3.9			Breakdown Torque	9.23 LB-FT
R.P.M.	1140			Pull-up Torque	5.88 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	8.39 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	24.6 A
Service Factor (S.F.)	1			No-load Current	2.45 A
NEMA Nom. Eff.	73.5	Power Factor	83	Line-line Res. @ 25°C	3.3194 Ω A Ph 3.3621 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	54	68	77	83	86	89
Efficiency	38.1	59	68.9	73.8	75.8	75.9
Speed	1193.1	1186.7	1179.3	1170.3	1160.4	1148.2
Line amperes	2.59	2.87	3.32	3.88	4.56	5.36

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





