

BALDOR® • RELIANCE

Product Information Packet

L1313T

1.5HP,3450RPM,1PH,60HZ,143T,3520L,OPEN

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520L	Elec. Spec:	35WGX958	CD Diagram:	CD0001
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35T876	Layout:	35LYT876
Frame:	143T	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-18-2012
Leads:	4#16 A PH,2#18 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	L1313T									
SPEC.	35T876X958									
HP	1.5									
VOLTS	115/230									
AMP	17.8/8.9									
RPM	3450									
FRAME	143T	HZ			60	PH		1		
SER.F.	1.15	CODE			J	DES		L	CLASS	B
NEMA-NOM-EFF	70	PF			78					
RATING	40C AMB-CONT									
CC		USABLE AT 208V			9.3					
DE	6205	ODE			6203					
ENCL	OPEN	SN								

Parts List		
Part Number	Description	Quantity
SA107732	SA 35T876X958	1.000 EA
RA099334	RA 35T876X958	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 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
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
35EP3201A01	STD FR ENDPLATE-OPEN-203 BRG W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	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
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A01	STD PU ENDPLATE-OPEN-205 BRG W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 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
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10112 - Typical performance - not guaranteed values

Winding: 35WGX958-R001	Type: 3520L	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.25 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	17.8/8.9			Breakdown Torque	6.1 LB-FT
R.P.M.	3450			Pull-up Torque	5.1 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.4 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	46 A
Service Factor (S.F.)	1.15			No-load Current	5.7 A
NEMA Nom. Eff.	70	Power Factor	78	Line-line Res. @ 25°C	1.49 Ω A Ph 1.33 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	57	69	77	82	87	80
Efficiency	53.5	66	70	70	69	66	70
Speed	3555	3520	3485	3450	3400	3355	3425
Line amperes	6	6.5	7.5	8.9	10.5	12.2	9.8

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values





