

BALDOR® • RELIANCE

Product Information Packet

CEUHM3546T

1HP,1760RPM,3PH,60HZ,143TYC,3519M,TEFC,F

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3519M	Elec. Spec:	35WGM492	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X057	Layout:	35LYX057
Frame:	143TCY	Mounting:	F3	Poles:	04	Created Date:	08-03-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-05-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2105L									
CAT.NO.	CEUHM3546T								
SPEC.	35X057M492G1								
HP	1								
VOLTS	208-230/460								
AMP	3.1-3/1.5								
RPM	1760								
FRAME	143TCY	HZ			60	PH	3		
SER.F.	1.15	CODE			L	DES	B	CL	F
NEMA-NOM-EFF	85.5	PF			71				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			3.1				
DE	6205	ODE			6203				
ENCL	TEFC	SN							
	IP44								

Parts List		
Part Number	Description	Quantity
SA200822	SA 35X057M492G1	1.000 EA
RA188133	RA 35X057M492G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
S/P111-000-002	CORONA TEST, SUPER E MOTORS - FT. SMITH	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4007	KOBX, AUTOPHORETIC (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
WD4101A13	STEEL CAPLUG,BP-1 1/8, PLUG D3561S	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M01	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A46	SPL FACE MTD EP-ENCL-145TC-205 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	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
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES W/AUTOPHERETIC	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4519	CB LID RAW & UNPRIMED, REL# 79097-50-B	1.000 EA
35GS3019	GASKET, FOR KOBX LID 35CB4519	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

Parts List (continued)		
Part Number	Description	Quantity
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2105L	ALUM SUPER-E UL CSA-EEV CE CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 31554 - Typical performance - not guaranteed values

Winding: 35WGM492-R001	Type: 3519M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	2.97 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.1-3/1.5			Breakdown Torque	12.5 LB-FT
R.P.M.	1760			Pull-up Torque	6.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.6 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	12.1 A
Service Factor (S.F.)	1.15			No-load Current	1 A
NEMA Nom. Eff.	85.5	Power Factor	71	Line-line Res. @ 25°C	16.05 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C
				Rotor inertia	0.112 LF ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	49	62	71	77	80	75
Efficiency	72.2	82.1	84.8	85.6	85.3	84.4	85.4
Speed	1790.9	1781.2	1771.5	1760.7	1749.1	1736.6	1754
Line amperes	1.05	1.15	1.33	1.54	1.79	2.07	1.69

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





