

BALDOR® • RELIANCE

Product Information Packet

CL3516TM

2HP,1725RPM,1PH,60HZ,145TC,3535LC,TEFC,F

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Part Detail									
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3535LC	Elec. Spec:	35WGW226	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35KK375	Layout:			
Frame:	145TC	Mounting:	F1	Poles:	04	Created Date:	12-23-2009		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-04-2012		
Leads:	2#16 A PH,3#18 B&J	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1257L									
CAT.NO.	CL3516TM								
SPEC.	35KK375W226								
HP	2								
VOLTS	208-230								
AMP	9-8.3								
RPM	1725								
FRAME	145TC	HZ			60	PH	1		
SER.F.	1.15	CODE			J	DES	L	CL	F
NEMA-NOM-EFF	78	PF			99				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6205	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA189102	SA 35KK375W226	1.000 EA
RA176821	RA 35KK375W226	1.000 EA
OC3030F11SP	CYL OIL CAP 30MFD/370V	1.000 EA
TPCRT36CB	THERMAL 1PH 1.00 MAN 120C	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009A16	35 CB 1.09 DIA @ 6:00, 1.00 MTO @ 3:00	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
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
HA6015A02	THERMAL RETAINER (PLATED)	1.000 EA
NS2500A02	INSULATOR, MAN THER PROT	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
35EP3100M01	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
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
35CB4521GX	CONDUIT BOX LID KIT	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
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.017 GA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0002	CONNECTION LABEL	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA

Performance Data at 230V, 60Hz, 2.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		6.0 LB-FT		Start Configuration:		DOL	
No-Load Current:		1.4 Amps		Break-Down Torque:		14.5 LB-FT	
Line-line Res. @ 25°C.:		1.46 Ohms A Ph / 3.6 Ohms B Ph		Pull-Up Torque:		13.5 LB-FT	
Temp. Rise @ Rated Load:		71 C		Locked-Rotor Torque:		17.5 LB-FT	
Temp. Rise @ S.F. Load:		80 C		Starting Current:		63.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Efficiency:	48.3	68.2	75.4	77.9	77.2	75.2	77.5
Speed:	1789.0	1777.0	1763.0	1748.0	1727.0	1709.0	1735.0
Line Amperes:	2.7	4.3	6.1	7.9	10.1	11.8	9.22

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values





