

BALDOR® • RELIANCE

Product Information Packet

CEWDNM3545

1HP,3450RPM,3PH,60HZ,56C,3516M,TENV,F1,N

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WGR933	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35T964	Layout:	35LYT964
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	02-12-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-14-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669L

CAT.NO.	CEWDNM3545												
SPEC.	35T964R933G2												
HP	1												
VOLTS	230/460												
AMP	2.6/1.3												
RPM	3450												
FRAME	56C				HZ		60				PH	3	
SER.F.	1.25			CODE	L		DES		B		CLASS	F	
NEMA-NOM-EFF	82.5			PF	88								
RATING	40C AMB-CONT												
CC	010A			USABLE AT 208V								2.8	
DE	6205			ODE		6203							
ENCL	TENV			SN									
BLANK	SFA 3.2/1.6												

Parts List		
Part Number	Description	Quantity
SA293678	SA 35T964R933G2	1.000 EA
RA279770	RA 35T964R933G2	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1040	35 MOLDED GASKET W/LIP, LEAD SEAL,	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
35EP3100M71MW	SPL FR ENDPLATE -TENV- SP.#9 (WHITE EPOX	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
35CB4522	35 LIPPED CB LID PRIMED	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.017 GA
MG1500Y02	PRIMER,347.29+347.29C ACTIVATOR WILKOPON	0.017 GA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
HA3100S08	THRUBOLT 7.375LG SS	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 36591 - Typical performance - not guaranteed values

Winding: 35WGR933-R008	Type: 3516M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	1.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.6/1.3			Breakdown Torque	7.5 LB-FT
R.P.M.	3450			Pull-up Torque	4.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.6 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	12.4 A
Service Factor (S.F.)	1.25			No-load Current	0.63 A
NEMA Nom. Eff.	82.5	Power Factor	88	Line-line Res. @ 25°C	15.3 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
S.F. Amps	3.2/1.6			Temp. Rise @ S.F. Load	101°C
				Locked-rotor Power Factor	56
				Rotor inertia	0.0443 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	69	81	86	88	90	88
Efficiency	71.6	80.5	83.5	83.7	83	81.3	83
Speed	3560	3529	3494	3462	3423	3378	3423
Line amperes	0.7	0.85	1.04	1.28	1.58	1.86	1.58

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





