

BALDOR® • RELIANCE

Product Information Packet

CEM3546-8

1HP,1760RPM,3PH,60HZ,56C,3519M,TEFC,F1,N

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520M	Elec. Spec:	35WGM848	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35A012	Layout:	35LYA012
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	08-01-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-06-2016
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441L

CAT.NO.	CEM3546-8										
SPEC.	35A012M848G1										
HP	1										
VOLTS	200										
AMP	3.5										
RPM	1760										
FRAME	56C					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						
DE	6205					ODE	6203				
ENCL	TEFC			SN							
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1)											

Parts List		
Part Number	Description	Quantity
SA304961	SA 35A012M848G1	1.000 EA
RA292149	RA 35A012M848G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000	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 GRSR (RAISED FH MT	1.000 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 GRSR W/3 HOLES - PRIMED	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
HW2501D13	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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1119N	WARNING LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0006	CONNECTION LABEL	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 32066 - Typical performance - not guaranteed values

Winding: 35WGM848-R001	Type: 3520M	Enclosure: TEFC
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Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1			Full Load Torque	2.99 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	3.5			Breakdown Torque	13.4 LB-FT
R.P.M.	1760			Pull-up Torque	8.19 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.46 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	28.4 A
Service Factor (S.F.)	1.15			No-load Current	2.45 A
NEMA Nom. Eff.	85.5	Power Factor	71	Line-line Res. @ 25°C	2.89 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	42°C
				Locked-rotor Power Factor	54.1
				Rotor inertia	0.118 LB-FT ²

Load Characteristics 200 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	46	60	69	75	80	75
Efficiency	74	83.1	85.3	85.8	85.3	84.4	85.5
Speed	1790	1781	1771	1760	1748	1736	1753
Line amperes	2.54	2.84	3.19	3.65	4.21	4.85	3.86

Performance Graph at 200V, 60Hz, 1.0HP Typical performance - Not guaranteed values





