



Product Information Packet

CFDL3514M

1.5HP,1725RPM,1PH,60HZ,56CH,3532LC,TEFC

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGN451	CD Diagram:	CD0320	Mfg Plant:	
Mech. Spec:	35E2322	Layout:	35LYE2322	Poles:	04	Created Date:	12-02-2013
Base:	RG	Eff. Date:	03-16-2018	Leads:	4#16 A&J,2#18 B PH,1#14 #4TH		

Specs			
Catalog Number:	CFDL3514M	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56CH	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 16 AWG, A&J
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3532LC
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	96
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	12.400 A @ 115.0 V	Shaft Ground Indicator:	No Shaft Grounding
	6.200 A @ 230.0 V	Shaft Rotation:	Reversible
	6.800 A @ 208.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	L	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Manual Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	KO
		Winding Thermal 2:	None

Nameplate NP1280L

CAT.NO.	CFDL3514M										
SPEC.	35E2322N451G1										
HP	1.5										
VOLTS	115/208-230										
AMP	12.4/6.8-6.2										
RPM	1725										
FRAME	56CH				HZ	60		PH	1		
SER.F.	1.00			CODE	J		DES	L	CL	B	
NEMA-NOM-EFF	80			PF	96						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6205			ODE	6203						
ENCL	TEFC			SN							

Parts List		
Part Number	Description	Quantity
SA273490	SA 35E2322N451G1	1.000 EA
RA260086	RA 35E2322N451G1	1.000 EA
OC3060C09SP	CAPACITOR 60 MFD 240 VAC	1.000 EA
TPCRD3707	THERMAL 1PH 1.00 MAN SPL LOW TEMP WELD	1.000 EA
EC1540A04	ELEC CAP, 540-648 MFD, 125V, 1.81D X 4.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007A58	35 CB .88 DIA @ 6, 1.00 MTO W/BOOT @ 3 (	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
HA6015A11	EARED 1" THERMAL RETAINER (PLATED)	1.000 EA
NS2500A02	INSULATOR, MAN THER PROT	1.000 EA
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
35EP3122K00	MASTER ODE,203 BRG,.683SH,#26 DRN,FH MTG	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 EA
35CB3801	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
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
35EP3307A00	MASTER DE,205 BRG,1.623SH,#26 DRN	1.000 EA
HW4600B66	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP	1.000 EA
HW4600F72	V-RING SLINGER 0.875 X 1.420 X 0.240	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 **ORDER INDIV PARTS	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
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025C02	WILKOFASST SG, 787.105, TAN	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

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NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA
PE-0000002	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 38318 - Typical performance - not guaranteed values

Winding: 35WGN451-R001	Type: 3532LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.48 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	12.4/6.8-6.2			Breakdown Torque	12.1 LB-FT
R.P.M.	1725			Pull-up Torque	8.43 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	13.8 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	49.5 A
Service Factor (S.F.)	1			No-load Current	1.76 A
NEMA Nom. Eff.	80	Power Factor	96	Line-line Res. @ 25°C	1.69 Ω A Ph 1.5344 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	83	91	95	96	96	96
Efficiency	58.3	74.3	79.3	81.2	80.3	77.8
Speed	1786.8	1773.6	1758.8	1742.3	1721.1	1696.6
Line amperes	2.41	3.53	4.78	6.21	7.86	9.72

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





