



Product Information Packet

CSWDM3550

1.5HP,3450RPM,3PH,60HZ,56C,3535M,TENV,F1

Part Detail							
Revision:	L	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGY033	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35S630	Layout:	35LYS630	Poles:	02	Created Date:	02-19-2010
Base:	RG	Eff. Date:	04-08-2016	Leads:	9#18		

Specs			
Catalog Number:	CSWDM3550	Insulation Class:	F
Enclosure:	TENV	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	J
Frame Material:	Stainless Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	208.0 V @ 60 HZ	Motor Type:	3535M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	90
	UR	Product Family:	Wash Down Paint Free
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:	2.100 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

	4.200 A @ 230.0 V	Shaft Rotation:	Reversible
	4.400 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	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:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1496L

CAT.NO.												
SPEC.	35S630Y033G1											
HP	1.5											
VOLTS	208-230/460											
AMP	4.4-4.2/2.1											
RPM	3450											
FRAME	56C				HZ		60			PH	3	
SER.F.	1.15				CODE	J	DES		B	CLASS		F
NEMA-NOM-EFF	82.5					PF	90					
RATING	40C AMB-CONT											
CC				USABLE AT 208V							4.4	
DE	6205				ODE		6203					
ENCL	TENV				SN							

Parts List		
Part Number	Description	Quantity
SA191220	SA 35S630Y033G1	1.000 EA
RA178881	RA 35S630Y033G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A03	CONDUIT BOX KIT, FOR SUPER II WASHDOWN	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3122D00U	SPL FR EP-ENCL-203 BRG-DIE CAST ALUM(BAL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3307E00U	PU E.P., CAST-FACE MTD-56C-205 BRG(BALL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3100S25	THRUBOLT 10-32 X 9.500 SS TDR #23687	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

AC Induction Motor Performance Data

Record # 10128 - Typical performance - not guaranteed values

Winding: 35WGY033-R002	Type: 3535M	Enclosure: TENV
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	4.4-4.2/2.1			Breakdown Torque	8.7 LB-FT
R.P.M.	3450			Pull-up Torque	6.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	16 A
Service Factor (S.F.)	1.15			No-load Current	0.7 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	9.63 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	60	78	87	90	92	93
Efficiency	69.8	79.8	82.9	83.6	83.3	82.3
Speed	3564	3533	3501	3466	3427	3385
Line amperes	0.8	1.1	1.5	1.9	2.3	2.8

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values

BALDOR ELECTRIC COMPANY

WINDING # 35WGY033

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 3450 RPM 460 V 3535M

TORQUES(LB-FT): PO=8.7 PU=6.8 LR=7 LRA=16





