



Product Information Packet

CSSEWDM3538

.5HP,1765RPM,3PH,60HZ,56C,3516M,TENV,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGP563	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35Z189	Layout:	35LYZ189	Poles:	04	Created Date:	01-20-2011
Base:	RG	Eff. Date:	12-14-2017	Leads:	9#18		

Specs			
Catalog Number:	CSSEWDM3538	Heater Indicator:	No Heater
Enclosure:	TENV	Insulation Class:	H
Frame:	56C	Inverter Code:	Inverter Ready
Frame Material:	Stainless Steel	KVA Code:	N
Output @ Frequency:	.500 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3516M
Agency Approvals:	UR	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	64
	CSA	Product Family:	Washdown All Stainless
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:	.900 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.800 A @ 230.0 V	Shaft Rotation:	Reversible
	1.900 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 (OLD)
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
		Winding Thermal 2:	None

Nameplate NP2922A01

CAT.NO.	CSSEWDM3538									
SPEC.	35Z189P563G1									
HP	.5									
VOLTS	230/460									
AMP	1.8/.9									
RPM	1765									
FRAME	56C				HZ		60		PH	3
SER.F.	1.25		CODE		N	DES		B	CLASS	H
NEMA-NOM-EFF	84			PF		64				
RATING	40C AMB-CONT									
CC					USABLE AT 208V				1.9	
DE	6205			ODE		6205				
ENCL	TENV		SN							
	SFA 2/1									

Parts List		
Part Number	Description	Quantity
SA216107	SA 35Z189P563G1	1.000 EA
RA203298	RA 35Z189P563G1	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35FE1917A10	FREP TENV 205 BRG NO GRS 4X.125 NPT (SS)	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35PE1916A05	PUEP 56C ENC 205 BRG 4X.125 NPT (SS)	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	1.000 EA
HW4600E99	25 X 42 X 6 AFX SEAL, GRAPHITE INFUSED V	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A26	O-RING,4.5MM I.D.X1.5MM C.S. (VITON)	4.000 EA
36GS3008SP	WHITE NEOPREME KO BOX LID GASKET	1.000 EA
35CB4515	35 CB LID #304 STAINLESS STEEL	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	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
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 QT
MJ5004A37	#76732 LOCTITE ANTISEIZE THRD COMPOUND	0.005 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3100S01	THRUBOLT- 10-32 X 8.187 302 OR 303 SS	4.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

AC Induction Motor Performance Data

Record # 26186 - Typical performance - not guaranteed values

Winding: 35WGP563-R001	Type: 3516M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.49 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.78/.89			Breakdown Torque	8.65 LB-FT
R.P.M.	1765			Pull-up Torque	4.54 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.09 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	7.54 A
Service Factor (S.F.)	1.25			No-load Current	0.655 A
NEMA Nom. Eff.	84	Power Factor	64	Line-line Res. @ 25°C	25.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	41	54	64	70	75	70
Efficiency	65.5	77.9	81.9	83.6	83.9	83.5	83.9
Speed	1793	1783	1774	1765	1755	1745	1755
Line amperes	0.674	0.725	0.793	0.885	0.986	1.11	0.986

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values





