



Product Information Packet

CSSEWDM3554T

1.5HP,1765RPM,3PH,60HZ,145TC,3534M,TEFC

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGP566	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35Z202	Layout:	35LYZ202	Poles:	04	Created Date:	01-18-2011
Base:	RG	Eff. Date:	12-14-2017	Leads:	9#18		

Specs			
Catalog Number:	CSSEWDM3554T	Insulation Class:	H
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	145TC	KVA Code:	M
Frame Material:	Stainless 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:	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
XP Class and Group:	None	Motor Type:	3534M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	74
	UR	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	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	2.150 A @ 460.0 V	Shaft Extension Location:	Pulley End

	4.300 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	4.700 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	NONE (OLD)
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1953A01

CAT.NO.	CSSEWDM3554T									
SPEC.	35Z202P566G1									
HP	1.5									
VOLTS	230/460									
AMP	4.3/2.15									
RPM	1765									
FRAME	145TC				HZ		60		PH	3
SER.F.	1.15		CODE		M	DES		B	CLASS	H
NEMA-NOM-EFF	88.5			PF		74				
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V					4.7	
DE	6205			ODE		6205				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA241957	SA 35Z202P566G1	1.000 EA
RA228873	RA 35Z202P566G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP1917A09	FREP TEFC 205 BRG NO GRS 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
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
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A39	IEC FH NO GREASER DEBURR/CLEAN - SS	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 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

Parts List (continued)		
Part Number	Description	Quantity
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
HA3100S05	THRUBOLT - 10-32 X 10.125 302 OR 303	4.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
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 # 25316 - Typical performance - not guaranteed values

Winding: 35WGP566-R001	Type: 3534M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.30/2.15			Breakdown Torque	20.28 LB-FT
R.P.M.	1765			Pull-up Torque	12.05 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.48 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	19.47 A
Service Factor (S.F.)	1.15			No-load Current	1.25 A
NEMA Nom. Eff.	88.5	Power Factor	74	Line-line Res. @ 25°C	8.03 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps				Temp. Rise @ S.F. Load	47°C
				Locked-rotor Power Factor	45.8
				Rotor inertia	0.201 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	53	66	75	80	84	78
Efficiency	78.5	86.2	88	88.6	88.2	87.3	88.4
Speed	1792	1784	1774	1764	1754	1744	1759
Line amperes	1.34	1.52	1.8	2.13	2.49	2.89	2.37

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

BALDOR ELECTRIC COMPANY

WINDING # 35WGP566

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1765 RPM 460 V 3534M

TORQUES(LB-FT): PO=20.28 PU=12.05 LR=14.48 LRA=19.47





