

BALDOR® • RELIANCE

Product Information Packet

CESSWDM3554T-5

1.5HP,1760RPM,3PH,60HZ,145TC,3528M,TEFC

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGM811	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35VV818	Layout:	35LYVV818
Frame:	145TC	Mounting:	F1	Poles:	04	Created Date:	06-22-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-06-2017
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1951A05

CAT.NO.	CESSWDM3554T-5									
SPEC.	35VV818M811G1									
HP	1.5									
VOLTS	575									
AMP	1.7									
RPM	1760									
FRAME	145TC					HZ		60		
SER.F.	1.15				CODE		L	DES		B
NEMA-NOM-EFF	87.5				PF		74			
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6205				ODE		6203			
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA199206	SA 35VV818M811G1	1.000 EA
RA186544	RA 35VV818M811G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A17	KOBX KIT, (ALL STAINLESS) W/ .75 NPT	1.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
35FE1913A02	FR ENDPLATE ASSY	1.000 EA
HW4609A01	TZUJ SEAL .667 SHAFT 1.064 BORE	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE1914A02	PU EP ASSY. FOR LOCKED BRG	1.000 EA
HW4609A02	TZUJ SEAL .938 SHAFT 1.624 BORE	1.000 EA
12XN1032S22	10-32 X 1 3/8 SLOT HEX, 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
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A39	IEC FH NO GREASER (#304 SS)CLEAN ONLY	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
HA3100S14	THRUBOLT 10X32 X 8.875 302 OR 303 SS	4.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 31562 - Typical performance - not guaranteed values

Winding: 35WGM811-R001	Type: 3528M	Enclosure: TEFC
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Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1.5			Full Load Torque	4.46 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	1.7			Breakdown Torque	18.7 LB-FT
R.P.M.	1760			Pull-up Torque	12.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	14.9 A
Service Factor (S.F.)	1.15			No-load Current	1.02 A
NEMA Nom. Eff.	87.5	Power Factor	74	Line-line Res. @ 25°C	15.2 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Locked-rotor Power Factor	48
				Rotor inertia	0.165 LB-FT ²

Load Characteristics 575 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	66	74	80	83	78
Efficiency	77.6	85.9	87.6	87.7	87.3	86	87.5
Speed	1791	1781	1770	1759	1746	1733	1751
Line amperes	1.08	1.23	1.44	1.72	2.01	2.35	1.89

Performance Graph at 575V, 60Hz, 1.5HP Typical performance - Not guaranteed values





