



Product Information Packet

VSSEWDM3545

1HP,3450RPM,3PH,60HZ,56C,3524M,TENV,F1,N

Part Detail							
Revision:	AA	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGT090	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35Z199	Layout:	35LYZ199	Poles:	02	Created Date:	01-25-2011
Base:	N	Eff. Date:	06-15-2018	Leads:	9#18 15" LEAD LENGTH,0#0 Dbl Dip & Bake,0#0 Phase InsulaY		

Specs			
Catalog Number:	VSSEWDM3545	Insulation Class:	H
Enclosure:	TENV	Inverter Code:	Inverter Ready
Frame:	56C	KVA Code:	R
Frame Material:	Stainless Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	@ 0 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ		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:	3524M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	UR	Power Factor:	80
Auxillary Box:	No Auxillary Box	Product Family:	Washdown All Stainless
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Sealed Bearing
Base Indicator:	No Mounting	Pulley Face Code:	C-Face
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	1.400 A @ 460.0 V	Shaft Extension Location:	Pulley End

	2.800 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	3.500 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.	VSSEWDM3545																		
SPEC.	35Z199T090G1																		
HP	1																		
VOLTS	230/460																		
AMP	2.8/1.4																		
RPM	3450																		
FRAME	56C				HZ		60												
SER.F.	1.25			CODE	R	DES			CLASS	PH	3								
NEMA-NOM-EFF	82.5					PF	B	80											
RATING	40C AMB-CONT																		
CC	010A				USABLE AT 208V					3.5									
DE	6205				ODE		6205												
ENCL	TENV		SN																
	SFA 3.2/1.6																		

Parts List		
Part Number	Description	Quantity
SA242935	SA 35Z199T090G1	1.000 EA
RA229836	RA 35Z199T090G1	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
HA3100S09	THRUBOLT 9.25 LENGTH SS	4.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
PK3082	STYROFOAM CRADLE	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 # 57424 - Typical performance - not guaranteed values

Winding: 35WGT090-R015	Type: 3524M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	1.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.8/1.4			Breakdown Torque	9.6 LB-FT
R.P.M.	3450			Pull-up Torque	7.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.5 LB-FT
NEMA Design Code	B	KVA Code	R	Starting Current	18.3 A
Service Factor (S.F.)	1.25			No-load Current	0.75 A
NEMA Nom. Eff.	82.5	Power Factor	80	Line-line Res. @ 25°C	9.85 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	71°C
S.F. Amps	3.2/1.6			Temp. Rise @ S.F. Load	84°C
				Locked-rotor Power Factor	51.6
				Rotor inertia	0.0664 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	62	72	80	84	85	84
Efficiency	65.2	76.8	81.9	83.4	84.1	83.7	84.1
Speed	3575	3551	3530	3508	3483	3459	3483
Line amperes	0.85	1	1.2	1.4	1.65	1.95	1.65

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





