



Product Information Packet

VESWDM3558T

2HP,1755RPM,3PH,60HZ,145TC,3536M,TEFC,F1

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGP883	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35SS623	Layout:	35LYSS623	Poles:	04	Created Date:	09-04-2012
Base:	N	Eff. Date:	06-07-2018	Leads:	9#18		

Specs			
Catalog Number:	VESWDM3558T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	145TC	Inverter Code:	Not Inverter
Frame Material:	Stainless Steel	KVA Code:	M
Output @ Frequency:	2.000 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:	3536M
Agency Approvals:	UR	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	76
	CSA	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:	No Mounting	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	2.800 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	5.600 A @ 230.0 V	Shaft Rotation:	Reversible
	5.900 A @ 208.0 V	Shaft Slinger Indicator:	Shaft 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 NP1669L

CAT.NO.	VESWDM3558T												
SPEC.	35SS623P883G1												
HP	2												
VOLTS	230/460												
AMP	5.6/2.8												
RPM	1755												
FRAME	145TC				HZ		60			PH	3		
SER.F.	1.15		CODE		M	DES		B	CLASS		F		
NEMA-NOM-EFF	88.5			PF		76							
RATING	40C AMB-CONT												
CC	010A			USABLE AT 208V								5.9	
DE	6205				ODE		6203						
ENCL	TEFC		SN										
BLANK													

Parts List		
Part Number	Description	Quantity
SA250485	SA 35SS623P883G1	1.000 EA
RA237339	RA 35SS623P883G1	1.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A21	CONDUIT BOX KIT, FOR SUPER II WASHDOWN	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3122B00U	MASTER ODE,203 BRG,.683SH,.125NPT DRNS,F	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3307E00U	MASTER DE,205 BRG,1.623SH,.125NPT DRNS,C	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	4.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
35FH4005A53	IEC FH NO GREASER - DEBURR/CLEAN - SS	1.000 EA
11XW1032S06	SCREW, HXWSHR HD SLDTYF 410 SS	3.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HA3100S26	THRUBOLT 10X32 X 10.875	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 57391 - Typical performance - not guaranteed values

Winding: 35WGP883-R006	Type: 3536M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.934 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.6/2.8			Breakdown Torque	26.5 LB-FT
R.P.M.	1755			Pull-up Torque	13.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.9 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	25.9 A
Service Factor (S.F.)	1.15			No-load Current	1.59 A
NEMA Nom. Eff.	88.5	Power Factor	76	Line-line Res. @ 25°C	6.7876 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	46°C
S.F. Amps				Temp. Rise @ S.F. Load	55°C
				Locked-rotor Power Factor	46
				Rotor inertia	0.213 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	55	67	76	81	84	79
Efficiency	79.4	86.8	88.3	88.5	87.8	86.7	88.1
Speed	1788.9	1780	1770	1759.1	1747.2	1733.9	1752
Line amperes	1.7	1.97	2.35	2.78	3.31	3.9	3.1

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





