

BALDOR® • RELIANCE

Product Information Packet

VSSFWD3538

.5HP,1755RPM,3PH,60HZ,56C,3512M,TEFC,F1

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3512M	Elec. Spec:	35WGP558	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35W179	Layout:	35LYW179
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	12-01-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	02-21-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1951A01

CAT.NO.	VSSFWDWM3538									
SPEC.	35W179P558G1									
HP	.5									
VOLTS	208-230/460									
AMP	1.98-1.82/.91									
RPM	1755									
FRAME	56C					HZ		60		
SER.F.	1.25			CODE		N	DES		B	
NEMA-NOM-EFF	80			PF		64			CLASS	
RATING	40C AMB-CONT									
CC						USABLE AT 208V				
DE	6205					ODE		6203		
ENCL	TEFC		SN							
	SFA 2.17-2/1									

Parts List		
Part Number	Description	Quantity
SA213096	SA 35W179P558G1	1.000 EA
RA200322	RA 35W179P558G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A08	CONDUIT BOX KIT, S/P 9-2 (ALL STAINLESS)	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
35FE1913A02	FR ENDPLATE ASSY	1.000 EA
HW4606A01	JM CLIPPER/SEAL (WDE-0667-1064-BH49)	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE1914A02	PU EP ASSY. FOR LOCKED BRG	1.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HA3100S45	THRU BOLT HEX-HEAD 7.95 10-32	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 (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 36544 - Typical performance - not guaranteed values

Winding: 35WGP558-R002	Type: 3512M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.51 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.98-1.82/.91			Breakdown Torque	8.11 LB-FT
R.P.M.	1755			Pull-up Torque	3.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.34 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	6.77 A
Service Factor (S.F.)	1.25			No-load Current	0.647 A
NEMA Nom. Eff.	80	Power Factor	64	Line-line Res. @ 25°C	32.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	66°C
S.F. Amps	2.17-2/1			Temp. Rise @ S.F. Load	79°C
				Locked-rotor Power Factor	68.5
				Rotor inertia	0.0709 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	44	57	67	74	78	72
Efficiency	63.3	75.9	79.8	81.3	81.6	81	80
Speed	1786	1774	1760	1746	1731	1715	1747
Line amperes	0.667	0.709	0.783	0.867	0.97	1.11	1

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





