

BALDOR® • RELIANCE

Product Information Packet

IDVSWDM3554

1.5HP,1760RPM,3PH,60HZ,56C,3533M,TEFC,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3533M	Elec. Spec:	35WGP802	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35S640	Layout:	35LYS640
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	12-30-2008
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	05-08-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1608L									
CAT NO	IDVSWDM3554								
SPEC.	35S640P802G1								
FRAME	56C	HP	1.5 TE						
VOLTS	230/460								
MAG CUR	2.4/1.2	FLA	4.2/2.1						
RPM	1760	RPM MAX	4000						
HZ	60	PH	3	CLASS		H			
SER.F.	1.00	DES	B	SL HZ		1.33			
NEMA-NOM-EFF	88.5	WK2	0.2						
BLWR V		PH		HZ			A		
RATING	40C AMB-CONT								
DE BRG	6205	ODE BRG	6203						
CC		SN							
	INV WDG ISR WIRE								

Parts List		
Part Number	Description	Quantity
SA178418	SA 35S640P802G1	1.000 EA
RA166492	RA 35S640P802G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A03	CONDUIT BOX KIT, FOR SUPER II WASHDOWN	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M08MU	FREP TEFC 203 BRG NO GRSR, BALL BURNISH	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A75MU	PU E.P., CAST-FACE MTD-56C-205 BRG(BALL	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	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A53	IEC FH NO GREASER (CLEAN ONLY)	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
HW4600B39SP	SEAL 0.550 X .790 X .180 FACE SEALING	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

Parts List (continued)		
Part Number	Description	Quantity
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3100S25	THRUBOLT 10-32 X 9.500 SS TDR #23687	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1608L	SS WD INV UL CSA CC REV MTG	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 36564 - Typical performance - not guaranteed values

Winding: 35WGP802-R006	Type: 3533M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.45 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.2/2.1			Breakdown Torque	20.8 LB-FT
R.P.M.	1760			Pull-up Torque	11.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.6 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	20 A
Service Factor (S.F.)	1			No-load Current	1.17 A
NEMA Nom. Eff.	88.5	Power Factor	76	Line-line Res. @ 25°C	8.44 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	40°C
				Rotor inertia	0.195 LF ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	35	54	68	76	81	84
Efficiency	80.5	87.1	88.3	88.8	88.3	87.4
Speed	1791	1782	1773	1764	1753	1743
Line amperes	1.26	1.46	1.76	2.07	2.45	2.87

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





