

BALDOR® • RELIANCE

Product Information Packet

IDCSWDM3558

2HP,1750RPM,3PH,60HZ,56C,3528M,TEFC,F1,N

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGP562	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35S641	Layout:	35LYS641
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	08-12-2010
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	12-12-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1608L

CAT NO	IDCSWDM3558										
SPEC.	35S641P562G1										
FRAME	56C				HP	2	TE				
VOLTS	230/460										
MAG CUR	3.4/1.7					FLA	5.8/2.9				
RPM	1750				RPM MAX	4500					
HZ	60			PH	3	CLASS	H				
SER.F.	1.00			DES	B		SL HZ	1.7			
NEMA-NOM-EFF	86.5			WK2	0.165						
BLWR V			PH		HZ		A				
RATING	40C AMB-CONT										
DE BRG	6205			ODE BRG	6203						
CC	010A		SN								

Parts List		
Part Number	Description	Quantity
SA201610	SA 35S641P562G1	1.000 EA
RA188905	RA 35S641P562G1	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
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	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
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE3300A75MU	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	4.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 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	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HA3100S24	THRUBOLT 8.625 LENGTH 1.250 TH LENGTH SS	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1608L	SS WD INV UL CSA CC REV MTG	1.000 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 # 36548 - Typical performance - not guaranteed values

Winding: 35WGP562-R002	Type: 3528M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.01 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	24.6 LB-FT
R.P.M.	1750			Pull-up Torque	12.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.9 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	23.7 A
Service Factor (S.F.)	1			No-load Current	1.72 A
NEMA Nom. Eff.	86.5	Power Factor	75	Line-line Res. @ 25°C	7.66 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	90°C
				Locked-rotor Power Factor	50
				Rotor inertia	0.165 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	33	53	67	75	80	84
Efficiency	77.7	85.4	86.9	86.6	85.8	84.2
Speed	1789	1778	1765	1751	1737	1721
Line amperes	1.8	2.04	2.39	2.88	3.39	4.01

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





