

BALDOR® • **RELIANCE**

Product Information Packet

IDVSWDM3558

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

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGP562	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35S640	Layout:	35LYS640
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	08-12-2010
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	04-02-2015
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1608L	
CAT NO	IDVSWDM3558
SPEC.	35S640P562G1
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
	INV WDG ISR WIRE

Parts List		
Part Number	Description	Quantity
SA201611	SA 35S640P562G1	1.000 EA
RA188906	RA 35S640P562G1	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 GRSSR, 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	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
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HA3100S24	THRUBOLT 8.625 LENGTH 1.250 TH LENGTH SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1608L	SS WD INV UL CSA CC REV MTG	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 36548 - Typical performance - not guaranteed values

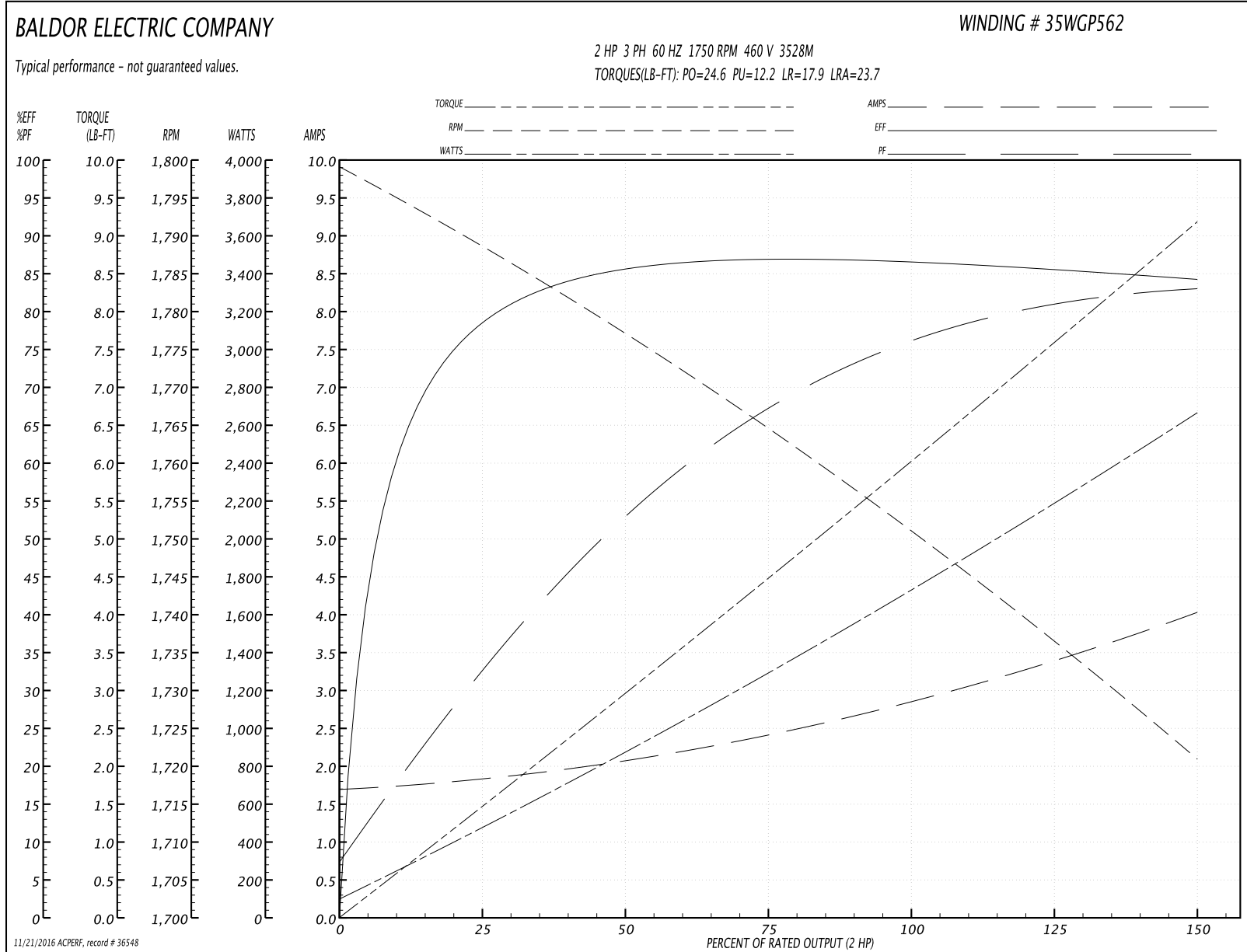
Winding: 35WGP562-R002	Type: 3528M	Enclosure: TEFC
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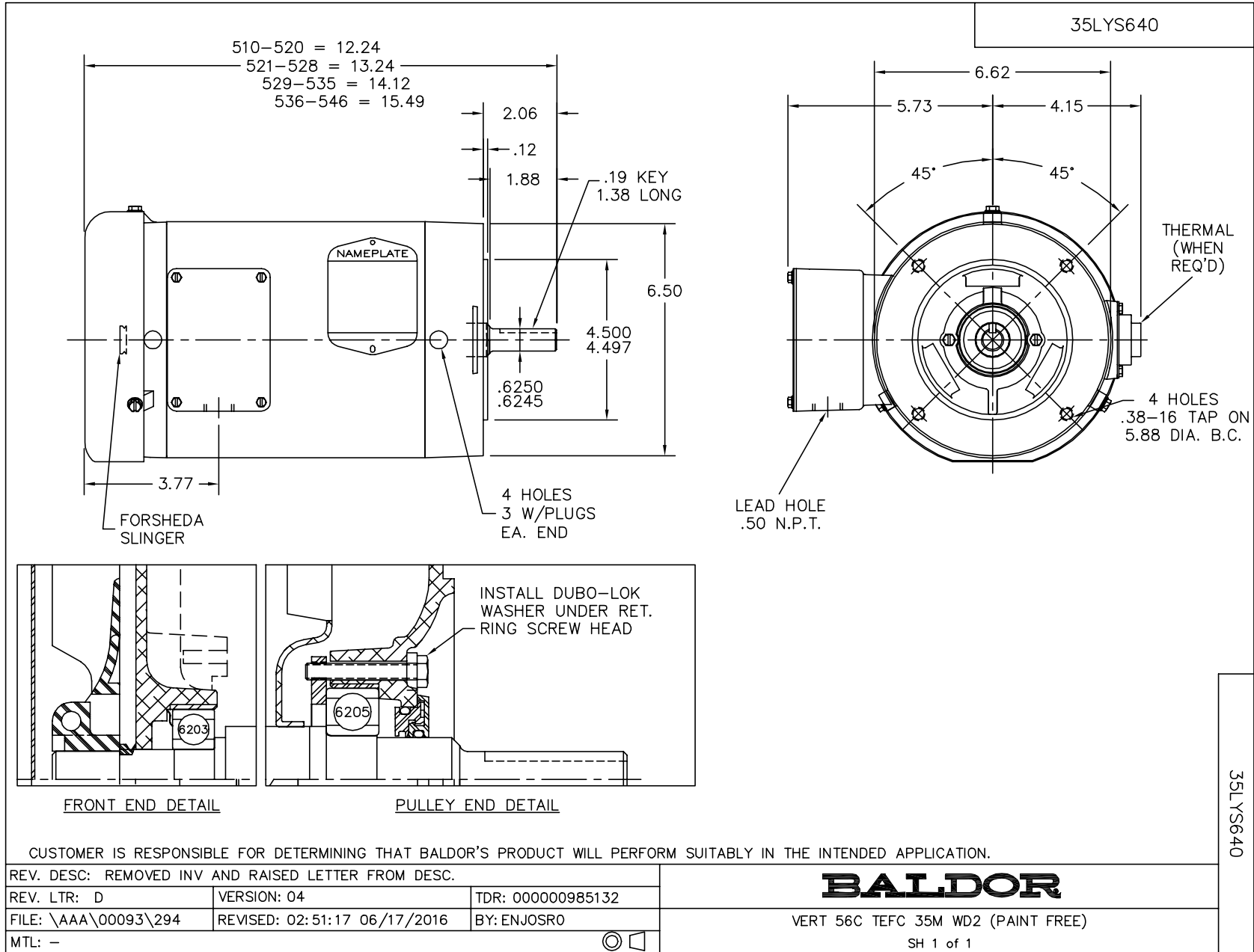
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.01 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	24.6 LB-FT
R.P.M.	1750			Pull-up Torque	12.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.9 LB-FT
NEMA 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





CD0005



LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900003		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005