

BALDOR® • RELIANCE

Product Information Packet

VWDM3561T

3HP,1750RPM,3PH,60HZ,145TC,3542M,TEFC,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3542M	Elec. Spec:	35WGP797	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35SS605	Layout:	35LYSS605
Frame:	145TC	Mounting:	F1	Poles:	04	Created Date:	11-21-2011
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	04-29-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L									
CAT.NO.	VWDM3561T								
SPEC.	35SS605P797H1								
HP	3								
VOLTS	208-230/460								
AMP	9.1-8.4/4.2								
RPM	1750								
FRAME	145TC	HZ			60	PH		3	
SER.F.	1.15	CODE			L	DES		A	CLASS
NEMA-NOM-EFF	87.5	PF			78				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6205	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA234578	SA 35SS605P797H1	1.000 EA
RA221550	RA 35SS605P797H1	1.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3010A01W	35 CB .75 NPT @ 6:00, WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M04MW	FREP TEFC,"O" DRILLS,NO GRSR, MACH.WHITE	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49SP	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - W/AUTOPHERETI	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
35CB4522	35 LIPPED CB LID AUTOPHORETIC	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B39SP	SEAL 0.550 X .790 X .180 FACE SEALING	1.000 EA
HW4600B46SP	SEAL 0.875 X 1.420 X 0.240 FACE SEALING	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAS 060-02	0.010 GA
MG1025W01	RAL9003, SIGNAL WHITE, GLOSS 85	0.017 GA
HA3100S03	THRUBOLT- 10-32 X 10.625 302 OR 303 SS	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 27555 - Typical performance - not guaranteed values

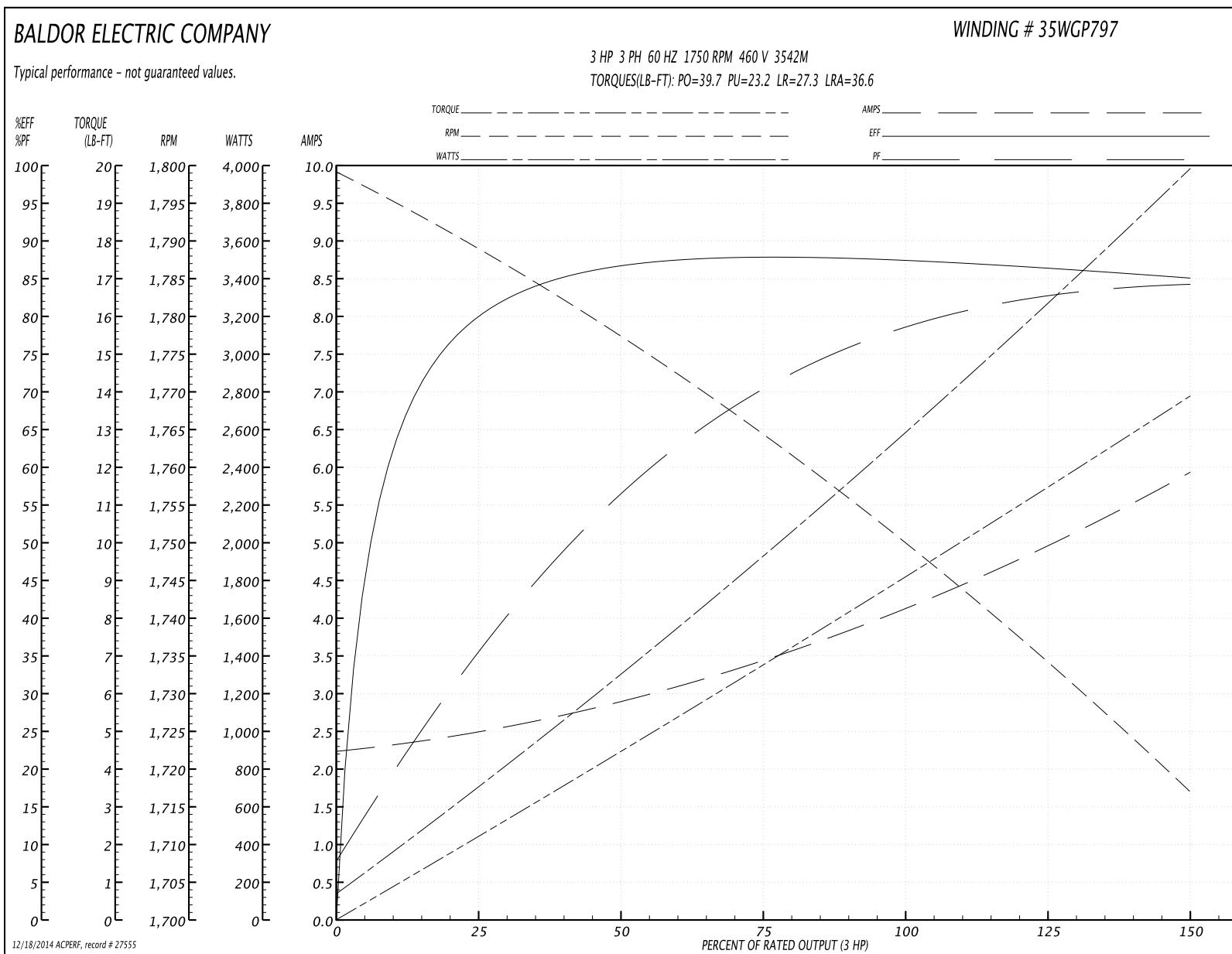
Winding: 35WGP797-R001	Type: 3542M	Enclosure: TEFC
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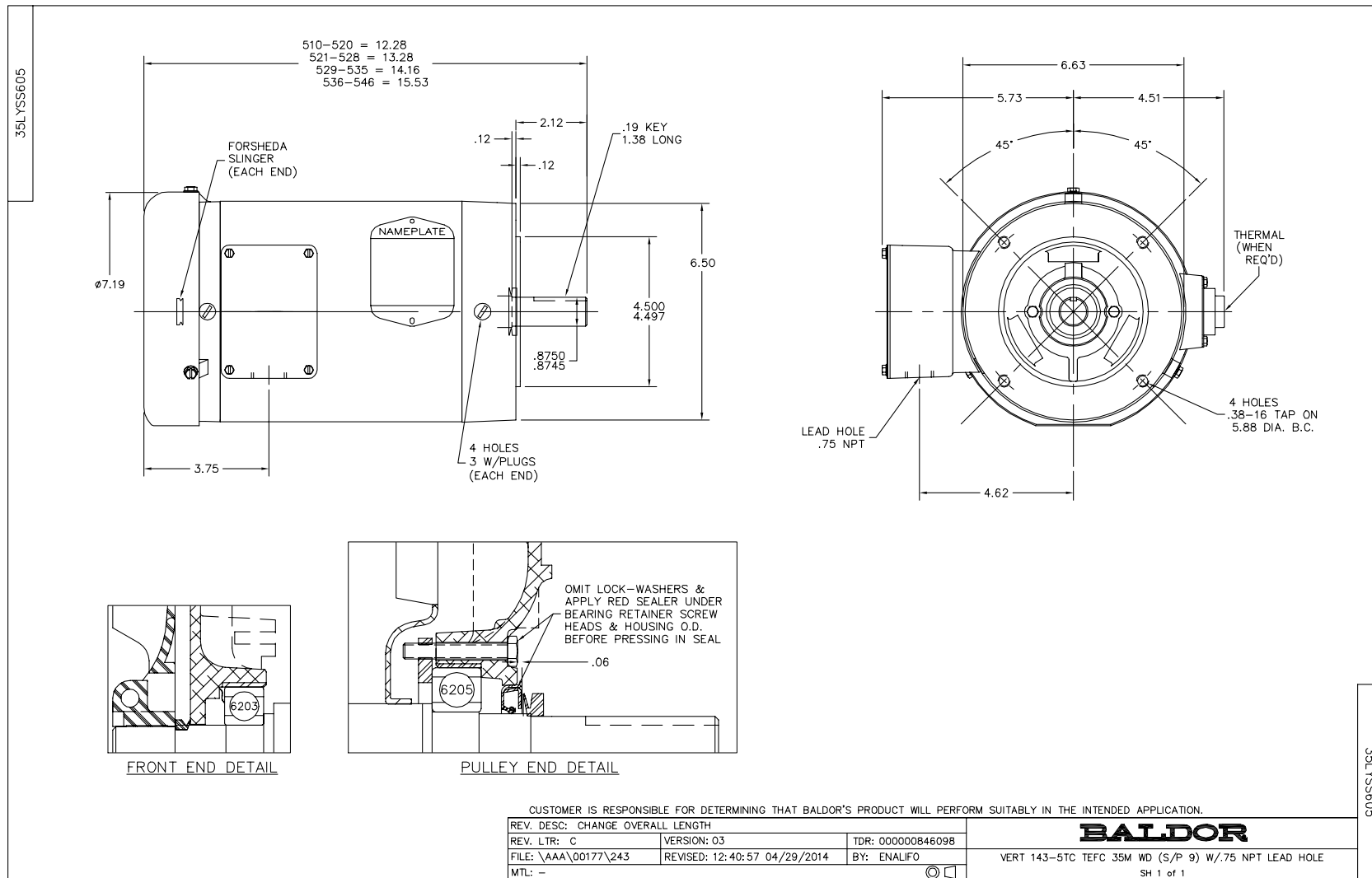
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	9.08 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	9.1-8.4/4.2			Breakdown Torque	39.7 LB-FT
R.P.M.	1750			Pull-up Torque	23.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	27.3 LB-FT
NEMA Design Code	A	KVA Code	L	Starting Current	36.6 A
Service Factor (S.F.)	1.15			No-load Current	2.27 A
NEMA Nom. Eff.	87.5	Power Factor	78	Line-line Res. @ 25°C	4.59 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	66°C
S.F. Amps				Temp. Rise @ S.F. Load	83°C
				Rotor inertia	0.248 LF ²

Load Characteristics 460 V, 60 Hz, 3 HP

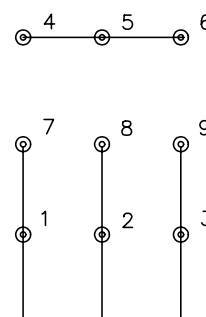
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	71	78	82	85	80
Efficiency	79.9	86.5	87.8	87.5	86.5	85	86.9
Speed	1789	1777	1764	1750	1734	1717	1740
Line amperes	2.46	2.88	3.46	4.16	4.99	5.91	4.66

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

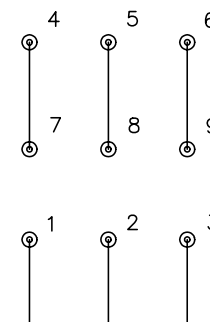




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005