

BALDOR® • RELIANCE

Product Information Packet

VEM2394T

15HP,3500RPM,3PH,60HZ,254TC,0750M,TEFC,F

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0750M	Elec. Spec:	07WGR536	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07H299	Layout:	07LYH299
Frame:	254TC	Mounting:	F1	Poles:	02	Created Date:	02-04-2016
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-07-2016
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L

CAT.NO.	VEM2394T									
SPEC.	07H299R536G1									
HP	15									
VOLTS	230/460									
AMP	33.8/16.9									
RPM	3500									
FRAME	254TC					HZ	60		PH	3
SER.F.	1.15			CODE	H	DES	A		CL	F
NEMA-NOM-EFF	91			PF	91					
RATING	40C AMB-CONT									
CC	010A					USABLE AT 208V 36				
DE	6309					ODE	6307			
ENCL	TEFC			SN						

Parts List		
Part Number	Description	Quantity
SA314868	SA 07H299R536G1	1.000 EA
RA302359	RA 07H299R536G1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3002	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	1.000 EA
09CB3501	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
37PE1101A03	FR/PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
07EP1306A01	ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007	PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
09GS1013	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
HA7000A03	KEY RETAINER RING 1.62 & 1.88 DIA. SH	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104A32	THRUBOLT- 5/16-18 X12.750	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.036 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
07PA1095	PKG GRP, VER 07 CAST IRON	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 57257 - Typical performance - not guaranteed values

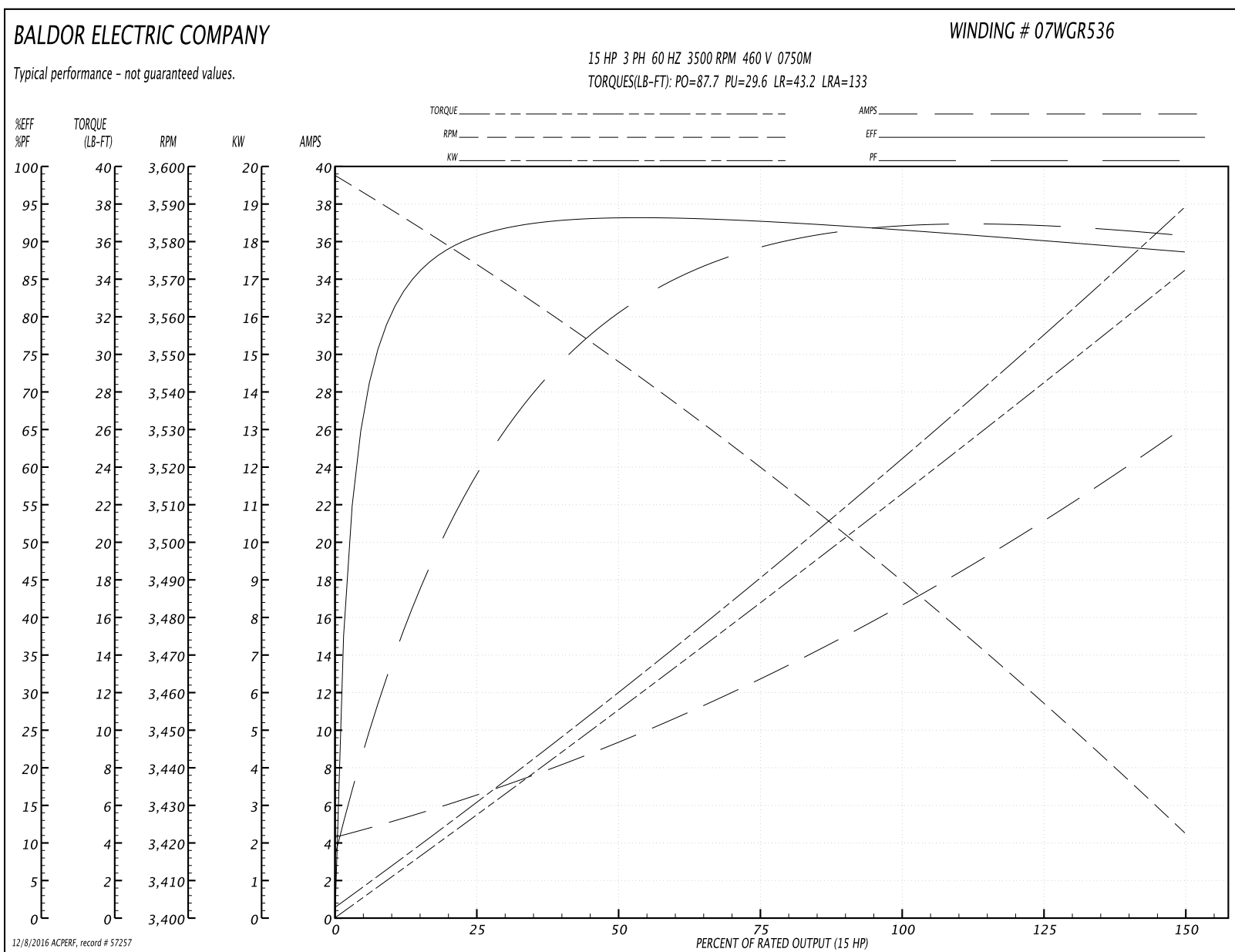
Winding: 07WGR536-R002	Type: 0750M	Enclosure: TEFC
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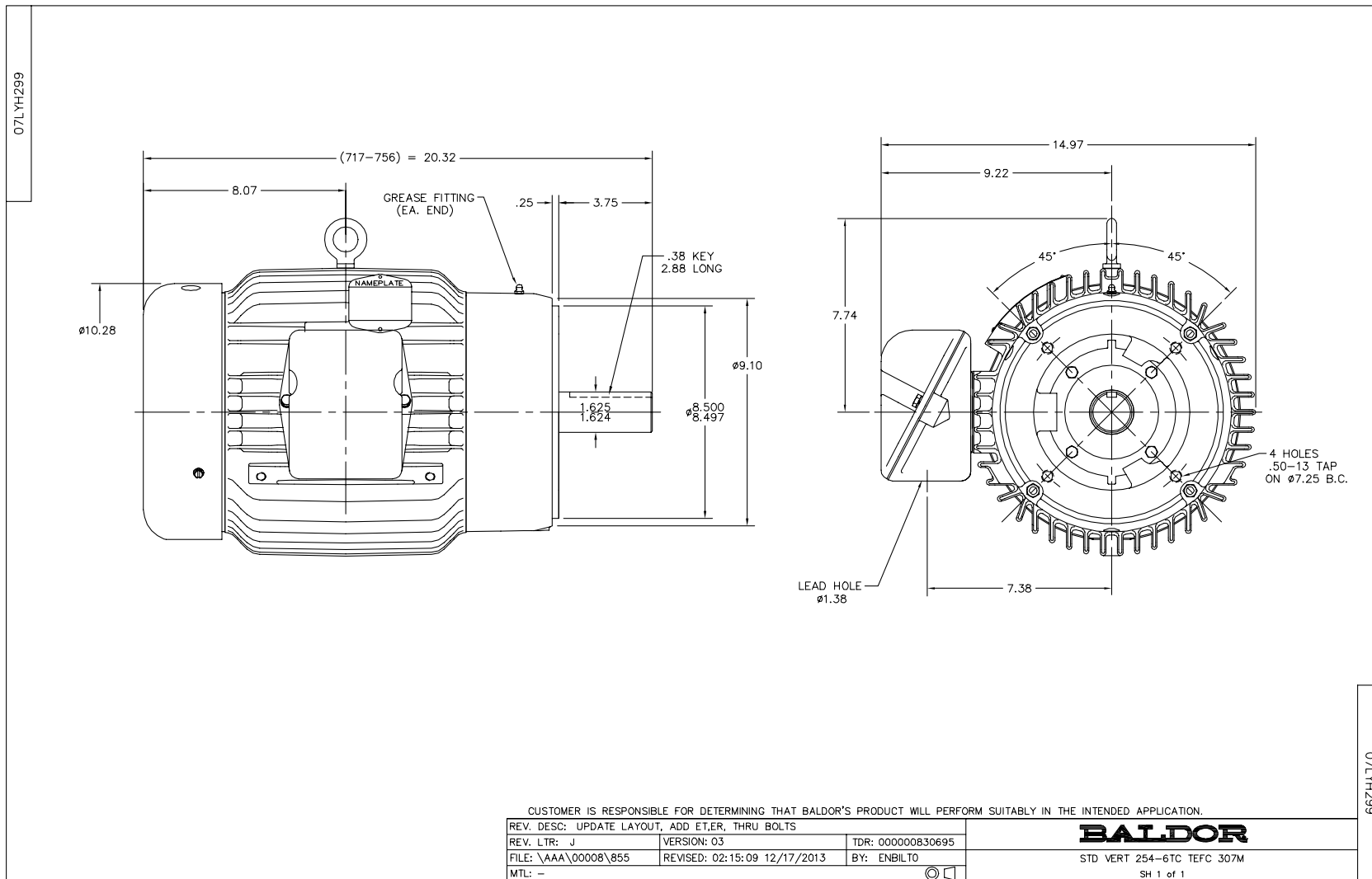
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.6 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	33.8/16.9			Breakdown Torque	87.7 LB-FT
R.P.M.	3500			Pull-up Torque	29.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	43.2 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	133 A
Service Factor (S.F.)	1.15			No-load Current	4.61 A
NEMA Nom. Eff.	91	Power Factor	91	Line-line Res. @ 25°C	0.54448 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	66°C
S.F. Amps				Temp. Rise @ S.F. Load	84°C
				Locked-rotor Power Factor	30

Load Characteristics 460 V, 60 Hz, 15 HP

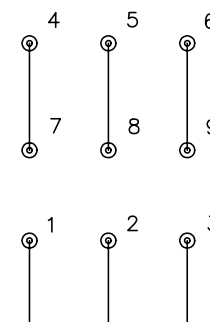
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	83	88	91	92	91	92
Efficiency	90.2	92.6	92.5	91.6	90.2	88.6	90.8
Speed	3572	3546.2	3519.8	3490.6	3457.2	3421.4	3471
Line amperes	6.18	9.3	12.9	16.9	21.4	26	19.6

Performance Graph at 460V, 60Hz, 15.0HP 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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005