

BALDOR® • RELIANCE

Product Information Packet

EM3558T-9

2HP,1740RPM,3PH,60HZ,145T,3528M,TEFC,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGL098	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E2790	Layout:	35LYE2790
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	10-28-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-02-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1267L

CAT.NO.	EM3558T-9											
SPEC.	35E2790L098G1											
HP	2											
VOLTS	230/460											
AMP	5.8/2.9											
RPM	1740											
FRAME	145T				HZ		60			PH		3
SER.F.	1.15		CODE		L	DES		C	CL		F	
NEMA-NOM-EFF	86.5			PF		74						
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V							5.8
DE	6205				ODE		6203					
ENCL	TEFC		SN									

Parts List		
Part Number	Description	Quantity
SA310052	SA 35E2790L098G1	1.000 EA
RA297427	RA 35E2790L098G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3010A01	35 CB .75 NPT @ 6:00	1.000 EA
35GS1022A02	GASKET BOX .06 THK NEOP BLK HDN 30-40 DU	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
35EP3100M155	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101B84	PUEP ENCL 205 BRG GREASER, RELIEF, .125	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A86	IEC FH W/GRSR, NO DIMPLES W/PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
35GS1030A01	35 GS FOR CB LID - BLACK NEOPRENE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 EA
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1267L	SS SUPER-E LASER BLANK	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 # 47487 - Typical performance - not guaranteed values

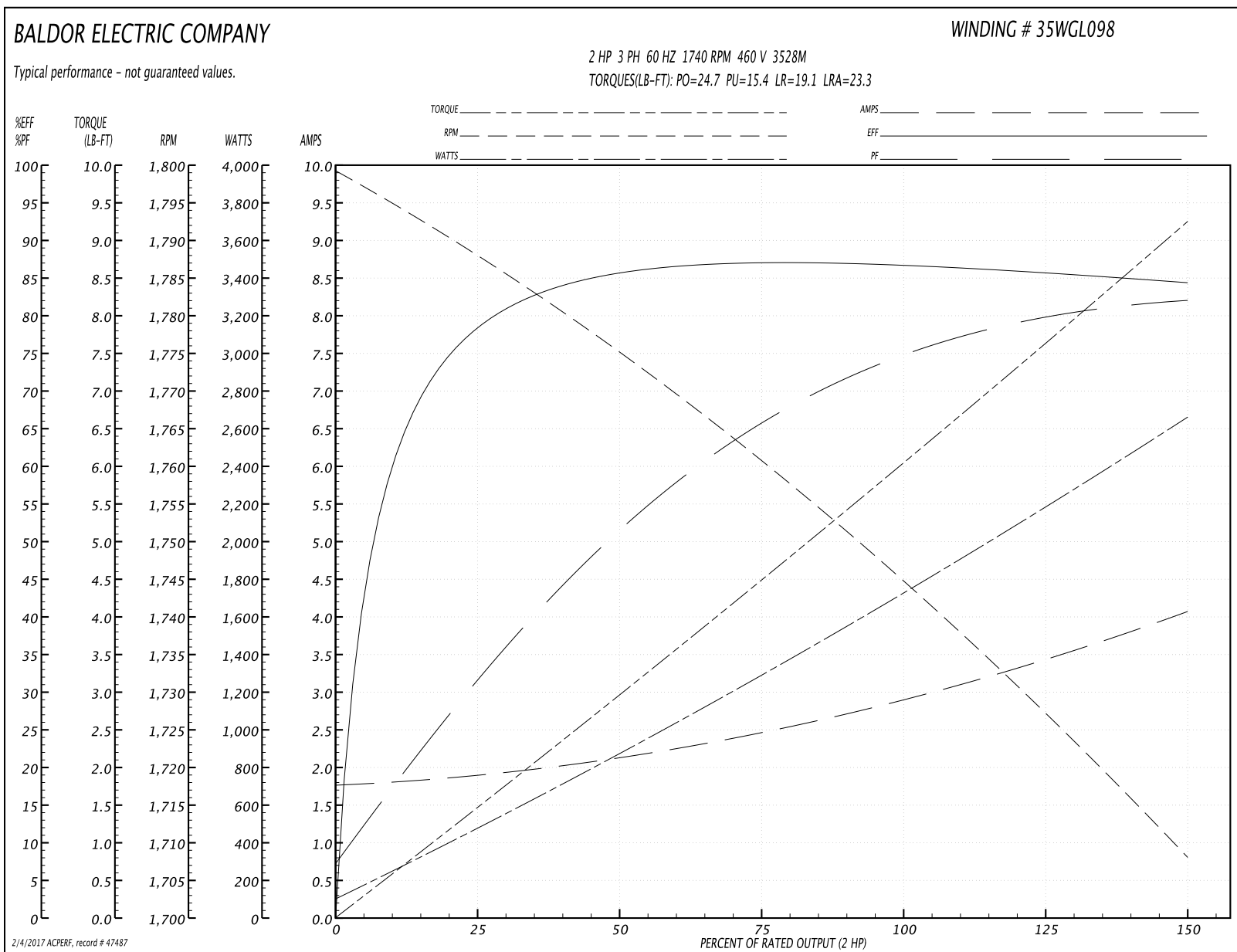
Winding: 35WGL098-R001	Type: 3528M	Enclosure: TEFC
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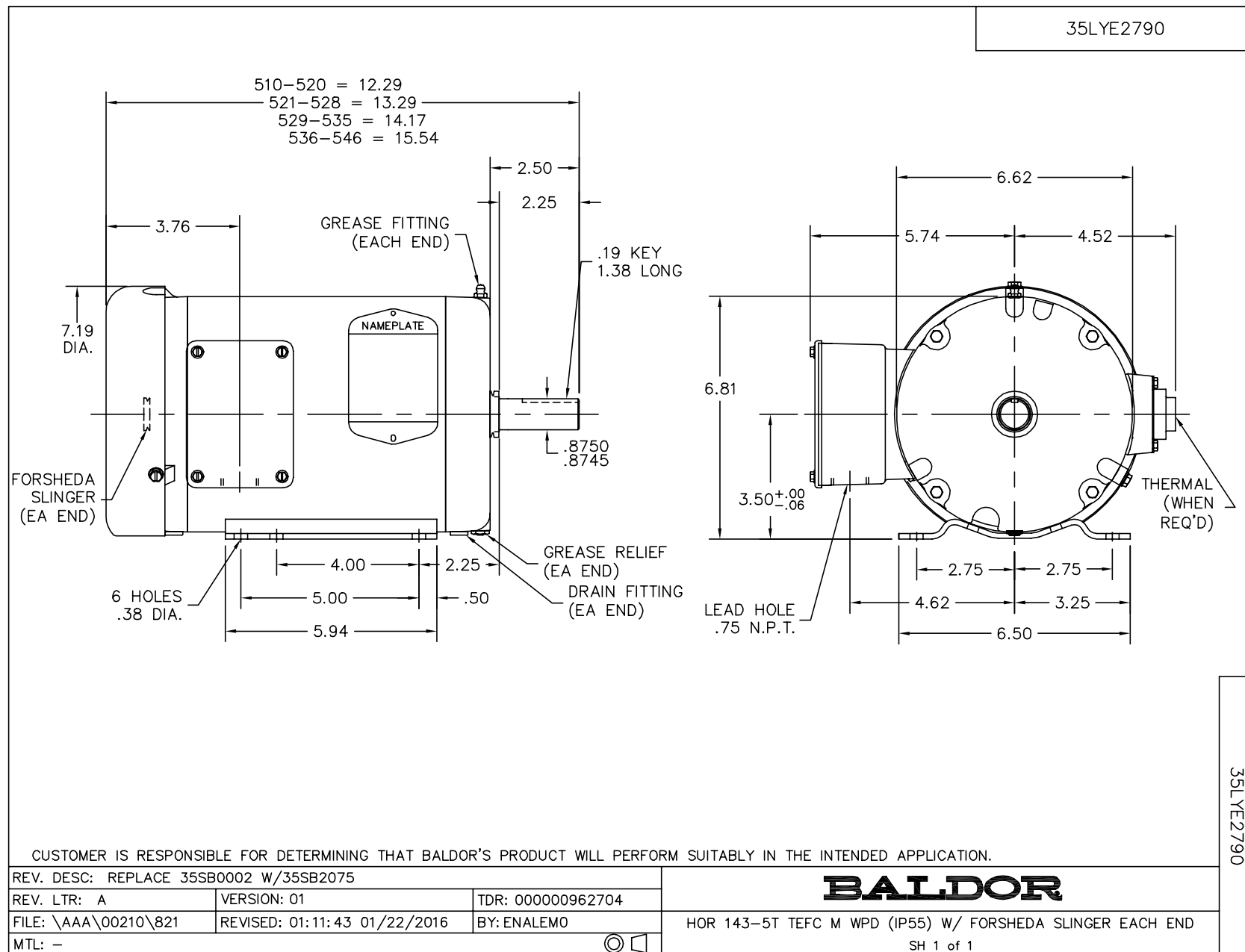
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.04 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	24.7 LB-FT
R.P.M.	1740			Pull-up Torque	15.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.1 LB-FT
NEMA Design Code	C	KVA Code	L	Starting Current	23.3 A
Service Factor (S.F.)	1.15			No-load Current	1.79 A
NEMA Nom. Eff.	86.5	Power Factor	74	Line-line Res. @ 25°C	7.4117 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C
S.F. Amps				Temp. Rise @ S.F. Load	73°C

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	66	74	79	83	77
Efficiency	78.2	85.4	87	86.9	85.9	84.3	86.3
Speed	1788.9	1774.5	1760	1745	1727.7	1707.7	1735
Line amperes	1.87	2.11	2.47	2.92	3.46	4.05	3.24

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

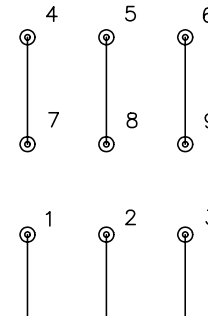




CD0005

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