

BALDOR® • RELIANCE

Product Information Packet

EHM3558T

2HP,1750RPM,3PH,60HZ,145T,3528M,TEFC,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGP562	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35Z141	Layout:	35LYZ141
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	12-07-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-25-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094E06B03

CAT.NO.	EHM3558T									
SPEC.	35Z141P562G1									
HP	2									
VOLTS	230/460									
AMPS	5.8/2.9									
RPM	1750									
FRAME	145T				HZ 60				PH 3	
SER.F.	1.15		CODE L		DES B		CL F			
NEMA-NOM-EFF	86.5			PF 75						
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V 5.9						
DE	6205				ODE 6203					
AUTO	N		MANUAL N		NONE Y					
ENCL	TEFC			SN						
BLANK										

Parts List		
Part Number	Description	Quantity
SA235529	SA 35Z141P562G1	1.000 EA
RA222492	RA 35Z141P562G1	1.000 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35FE3100M01	FREP TEFC ASSEMBLY FOR ROUTING	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101B90	STD PU EP-ENCLOSED-205 BRG-W/GREASER	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	2.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	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 # 53347 - Typical performance - not guaranteed values

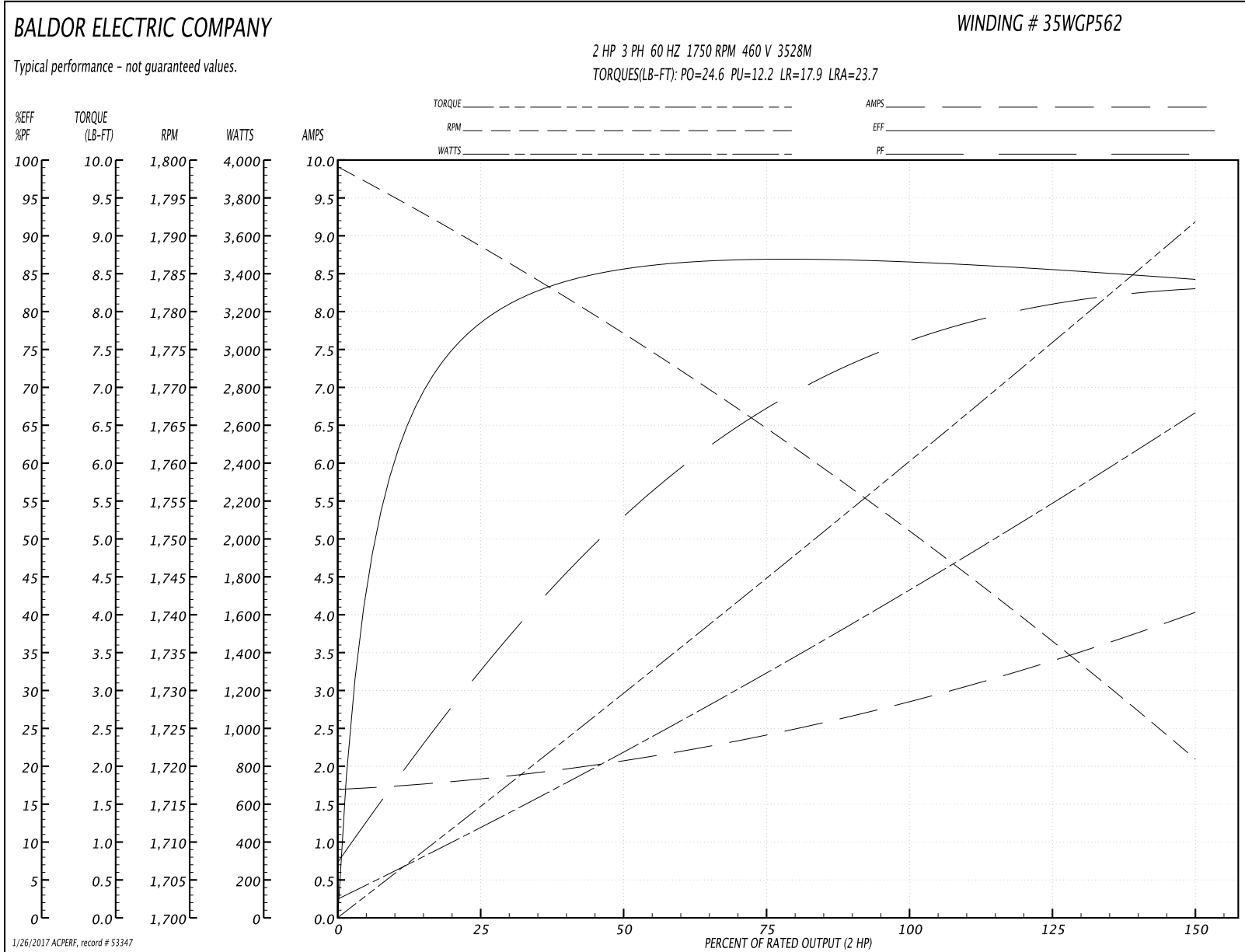
Winding: 35WGP562-R016	Type: 3528M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

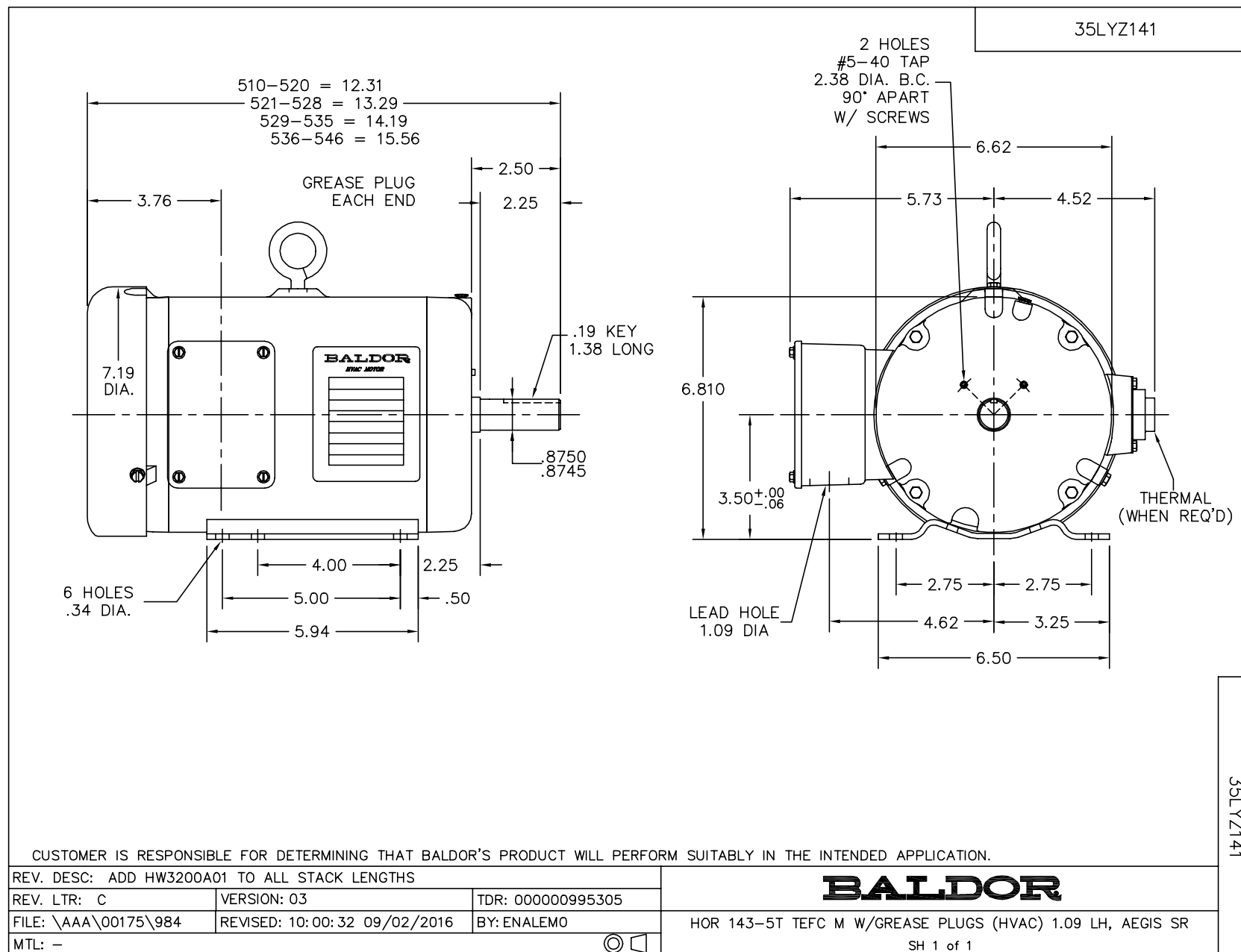
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.01 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	24.6 LB-FT
R.P.M.	1750			Pull-up Torque	12.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.9 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	23.7 A
Service Factor (S.F.)	1.15			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

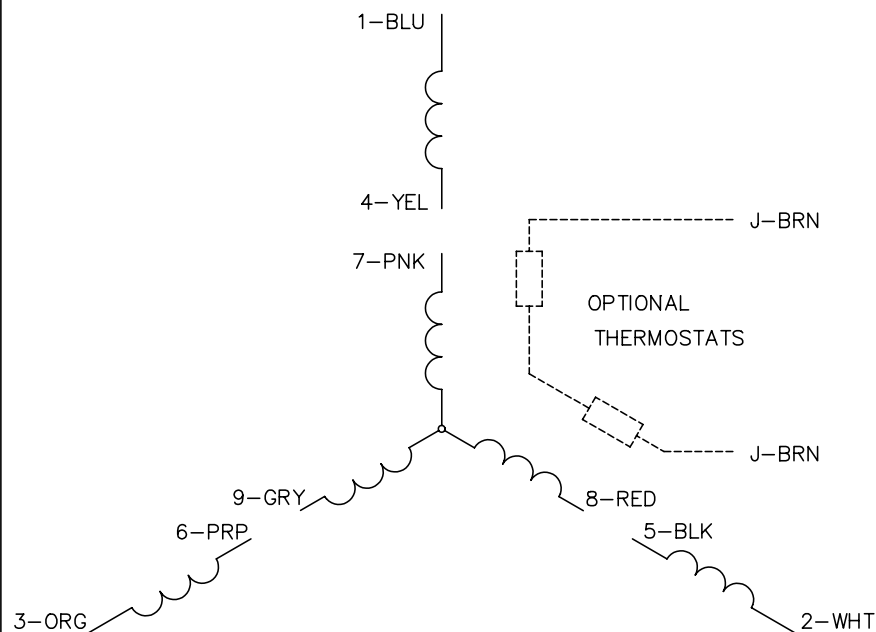
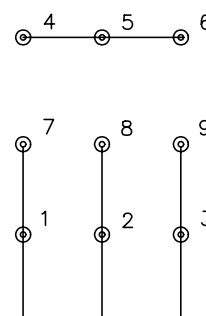
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	75	80	84	78
Efficiency	77.7	85.4	86.9	86.6	85.8	84.2	86.1
Speed	1789	1778	1765	1751	1737	1721	1743
Line amperes	1.8	2.04	2.39	2.88	3.39	4.01	3.19

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

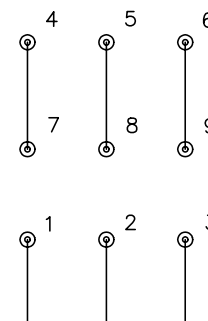




CD0005

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