

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **EM3157TA**

**2HP, 1725RPM, 3PH, 60HZ, 145TY, OPSB**

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGM535	CD Diagram:	CD0007
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35Q805	Layout:	35LYQ805
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	07-13-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-05-2015
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2601L										
CAT.NO.	EM3157TA									
SPEC.	35Q805M535G1									
HP	2									
VOLTS	230/460									
AMP	5.8/2.9									
RPM	1755									
FRAME	145T				HZ	60			PH	3
SER.F.	1.15		CODE	L	DES	B		CL	F	
NEMA-NOM-EFF	86.5		PF	73						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			6		
DE	6205				ODE	6203				
ENCL	OPSB		SN							

Parts List		
Part Number	Description	Quantity
SA199712	SA 35Q805M535G1	1.000 EA
RA187039	RA 35Q805M535G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. 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
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A02	PUEP OPEN 205 BRG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A38	THRUBOLT 10-32 X 9.375	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
NP2601L	ALUM SUPER-E UL CSA-EEV PREM CC THERMAL	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 # 53335 - Typical performance - not guaranteed values

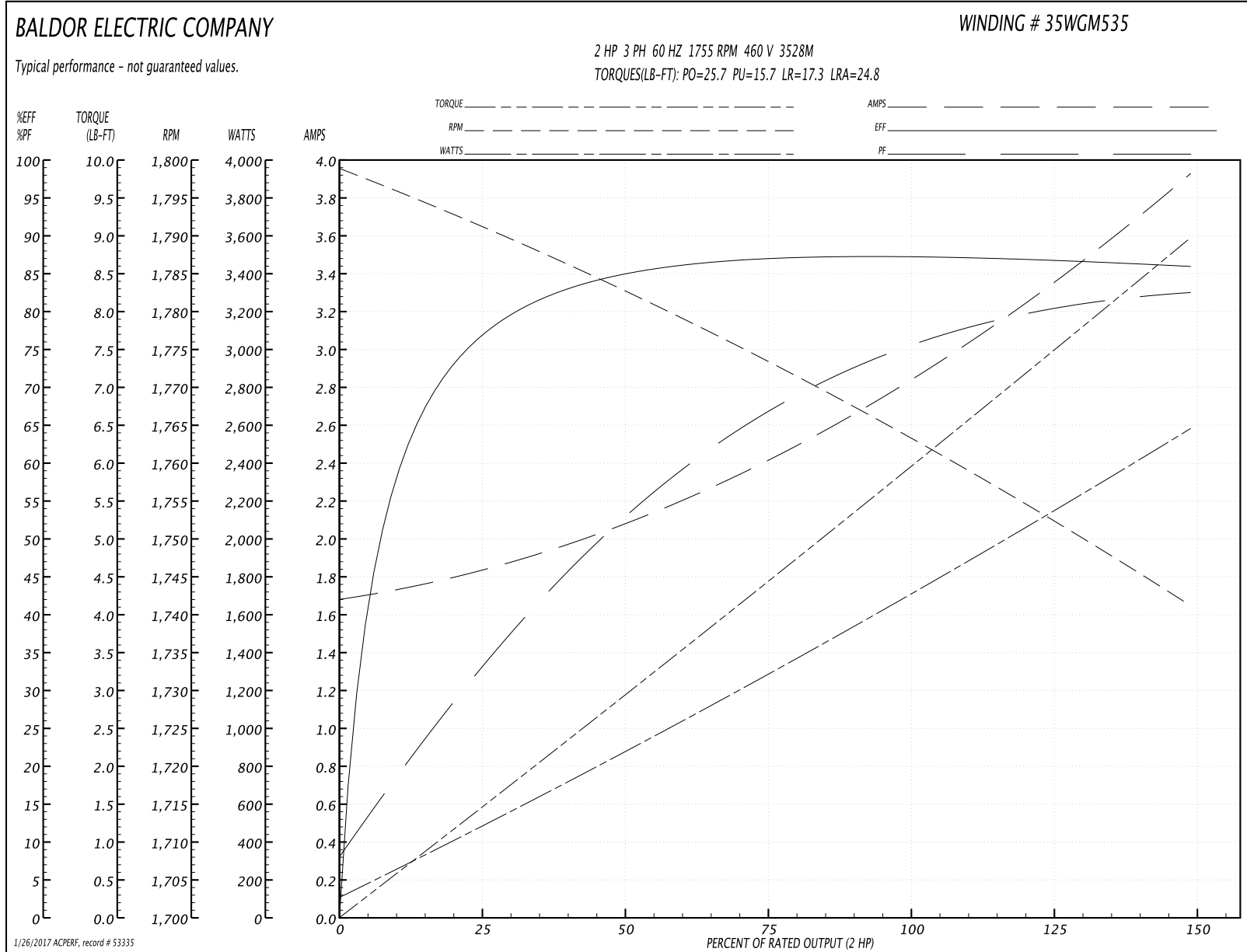
<b>Winding:</b> 35WGM535-R002	<b>Type:</b> 3528M	<b>Enclosure:</b> OPSB
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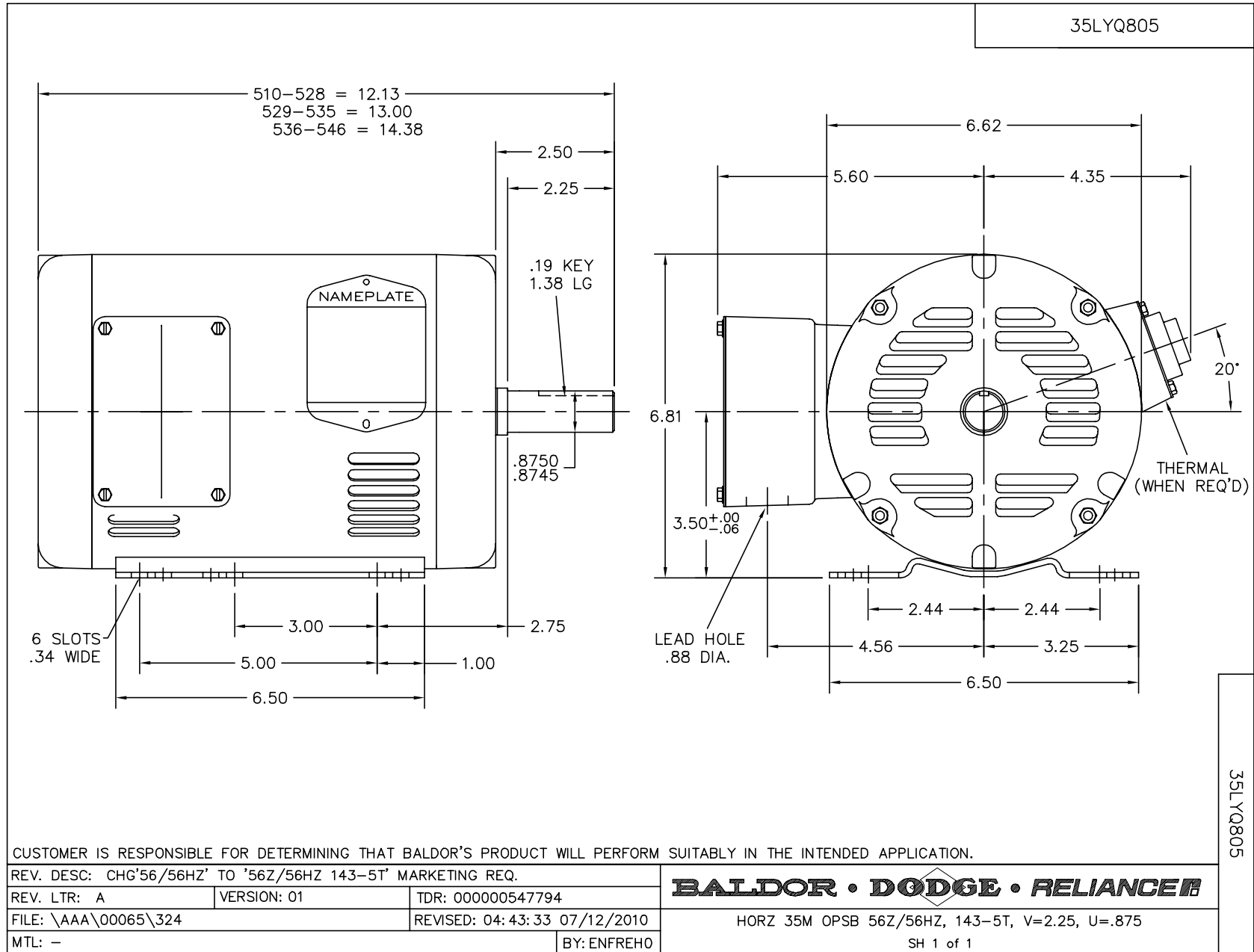
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.01 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	25.7 LB-FT
R.P.M.	1755			Pull-up Torque	15.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.8 A
Service Factor (S.F.)	1.15			No-load Current	1.7 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	7.7215 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 2 HP

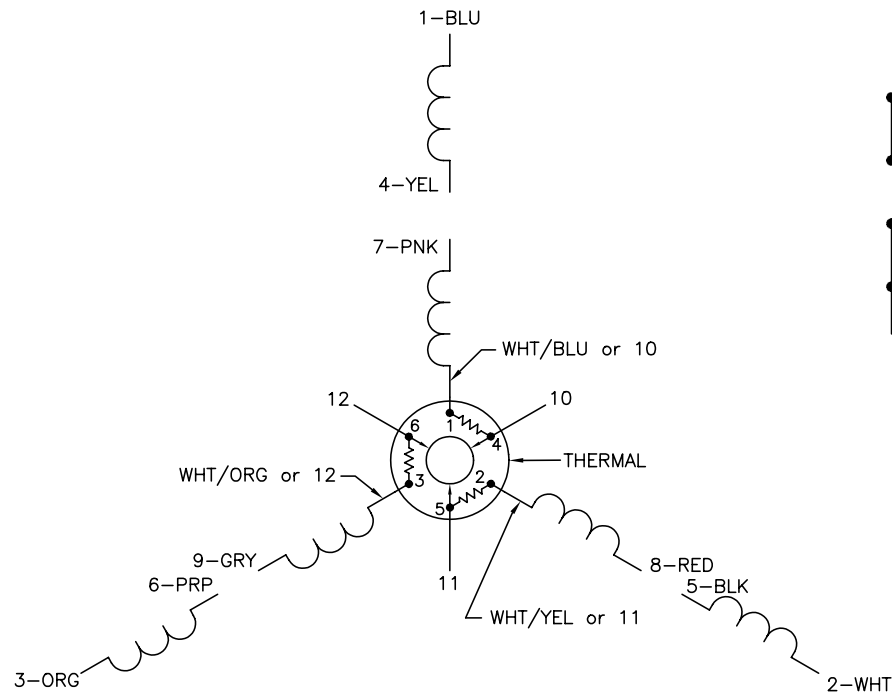
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	54	67	73	80	83	78
Efficiency	76.3	84.9	87.2	87.4	86.8	85.9	87
Speed	1791	1782.3	1773	1762.8	1753.1	1740.9	1757
Line amperes	1.82	2.07	2.43	2.88	3.36	3.91	3.17

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

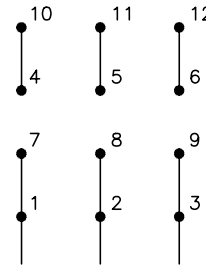




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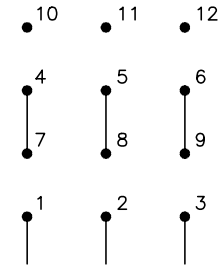


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
L00000		FILE: AAA00008370	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, THERMAL, 12 LEADS

CD0007