

BALDOR® • RELIANCE

Product Information Packet

JMM3550T-5

1.5HP,3450RPM,3PH,60HZ,143JM,3520M,TEFC

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520M	Elec. Spec:	35WGT080	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35T921	Layout:	35LYT921
Frame:	143JM	Mounting:	F1	Poles:	02	Created Date:	08-01-2008
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-08-2013
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	JMM3550T-5									
SPEC.	35T921T080H1									
HP	1.5									
VOLTS	575									
AMP	1.6									
RPM	3450									
FRAME	143JM	HZ			60	PH		3		
SER.F.	1.15	CODE			L	DES		B	CLASS	B
NEMA-NOM-EFF	82.5	PF			85					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6206	ODE			6203					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA175070	SA 35T921T080H1	1.000 EA
RA163182	RA 35T921T080H1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	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
35EP3100M07	FREP TEFC 203BRG,GRSR,RLF(RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3401T05	FACE ENCL 206 BRG W/GRS, RELIEF & TGHSLV	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FH4005A86	IEC FH W/GRSR, NO DIMPLES W/AUTOPHERETIC	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
HA1005A02SP	SLINGER, OD 2.00, ID 1.14, 206 BRG,	1.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 9243 - Typical performance - not guaranteed values

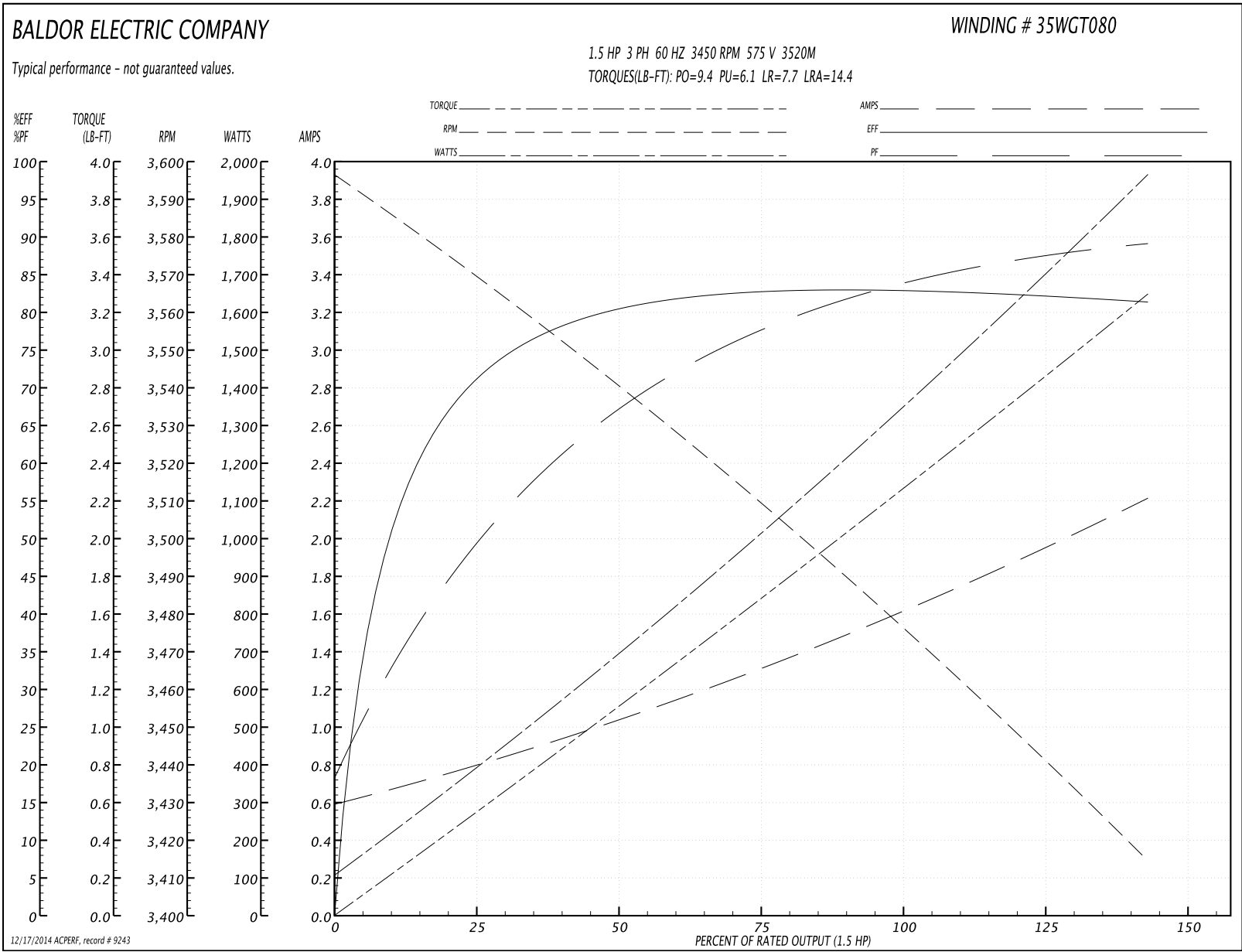
Winding: 35WGT080-R001	Type: 3520M	Enclosure: TEFC
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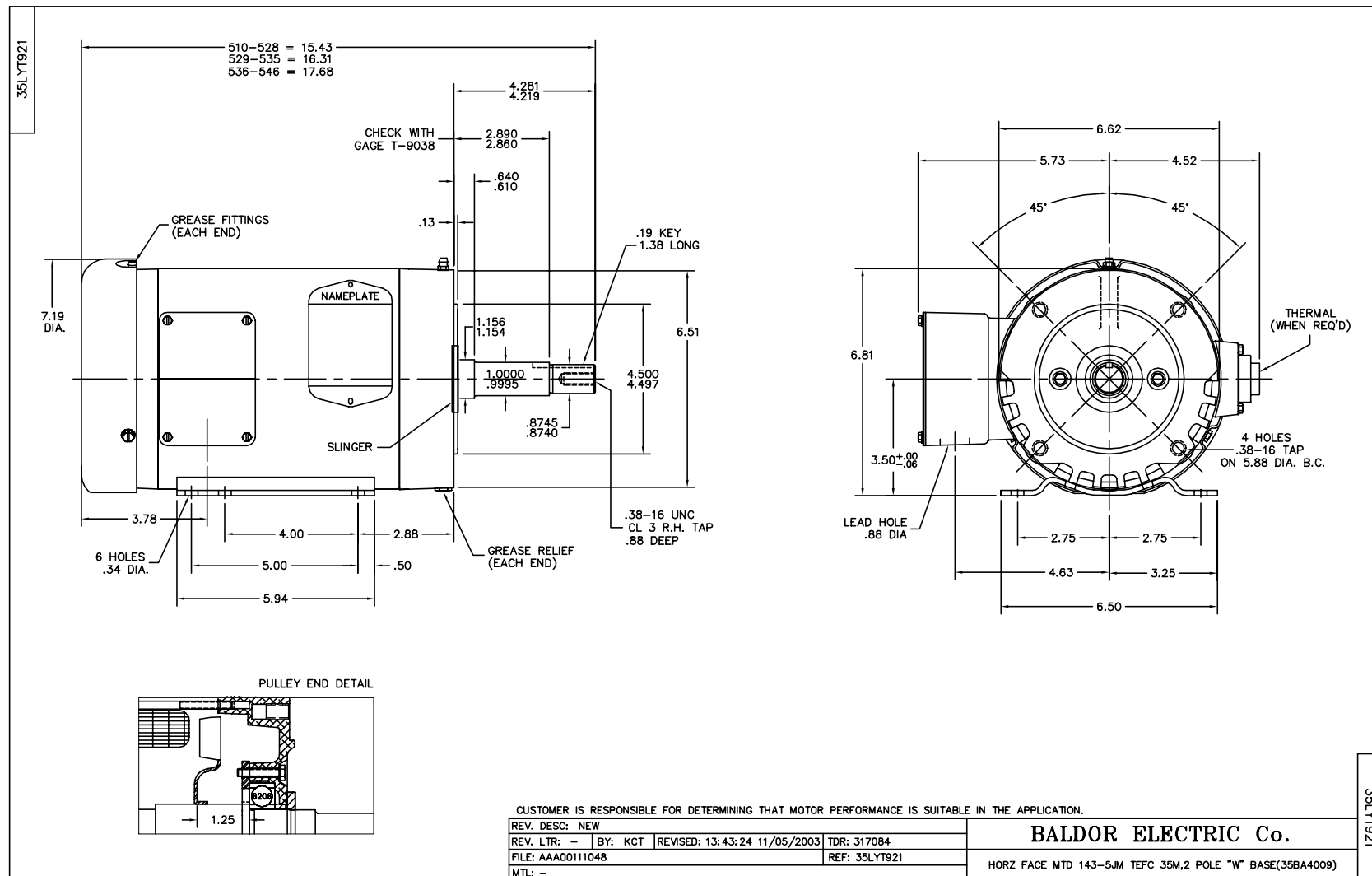
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1.5			Full Load Torque	2.2 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	1.6			Breakdown Torque	9.4 LB-FT
R.P.M.	3450			Pull-up Torque	6.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.7 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	14.4 A
Service Factor (S.F.)	1.15			No-load Current	0.6 A
NEMA Nom. Eff.	82.5	Power Factor	85	Line-line Res. @ 25°C	18.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	42°C
S.F. Amps				Temp. Rise @ S.F. Load	49°C
				Rotor inertia	0.0548 LF ²

Load Characteristics 575 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	76	85	89	92	94	0
Efficiency	71.6	80.1	82.6	83	82.5	81.3	0
Speed	3566	3540	3513	3481	3449	3413	0
Line amperes	0.8	1	1.3	1.6	1.9	2.2	1.8

Performance Graph at 575V, 60Hz, 1.5HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

900000

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006