

BALDOR® • RELIANCE

Product Information Packet

EM3559T-5

3HP,3475RPM,3PH,60HZ,145T,3540M,TEFC,F1

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Part Detail									
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3540M	Elec. Spec:	35WQG016	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35TT638	Layout:			
Frame:	145T	Mounting:	F1	Poles:	02	Created Date:	08-02-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	03-29-2011		
Leads:	3#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1259L									
CAT.NO.	EM3559T-5								
SPEC.	35TT638Q016G1								
HP	3								
VOLTS	575								
AMP	2.8								
RPM	3475								
FRAME	145T	HZ			60	PH	3		
SER.F.	1.15	CODE			L	DES	A	CL	F
NEMA-NOM-EFF	86.5	PF			90				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6205	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA201011	SA 35TT638Q016G1	1.000 EA
RA188316	RA 35TT638Q016G1	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB CASTING 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
35EP3100M01	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A01SP	STD PU EP-ENCLOSED-205 BRG-W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35FH4005A84SP	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
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
35GS1030	35 GS FOR CB LID - LEXIDE	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
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.017 GA
HA3100A26	THRUBOLT 10-32 X 11.500	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
35PA1007	PACKAGING GROUP	1.000 EA

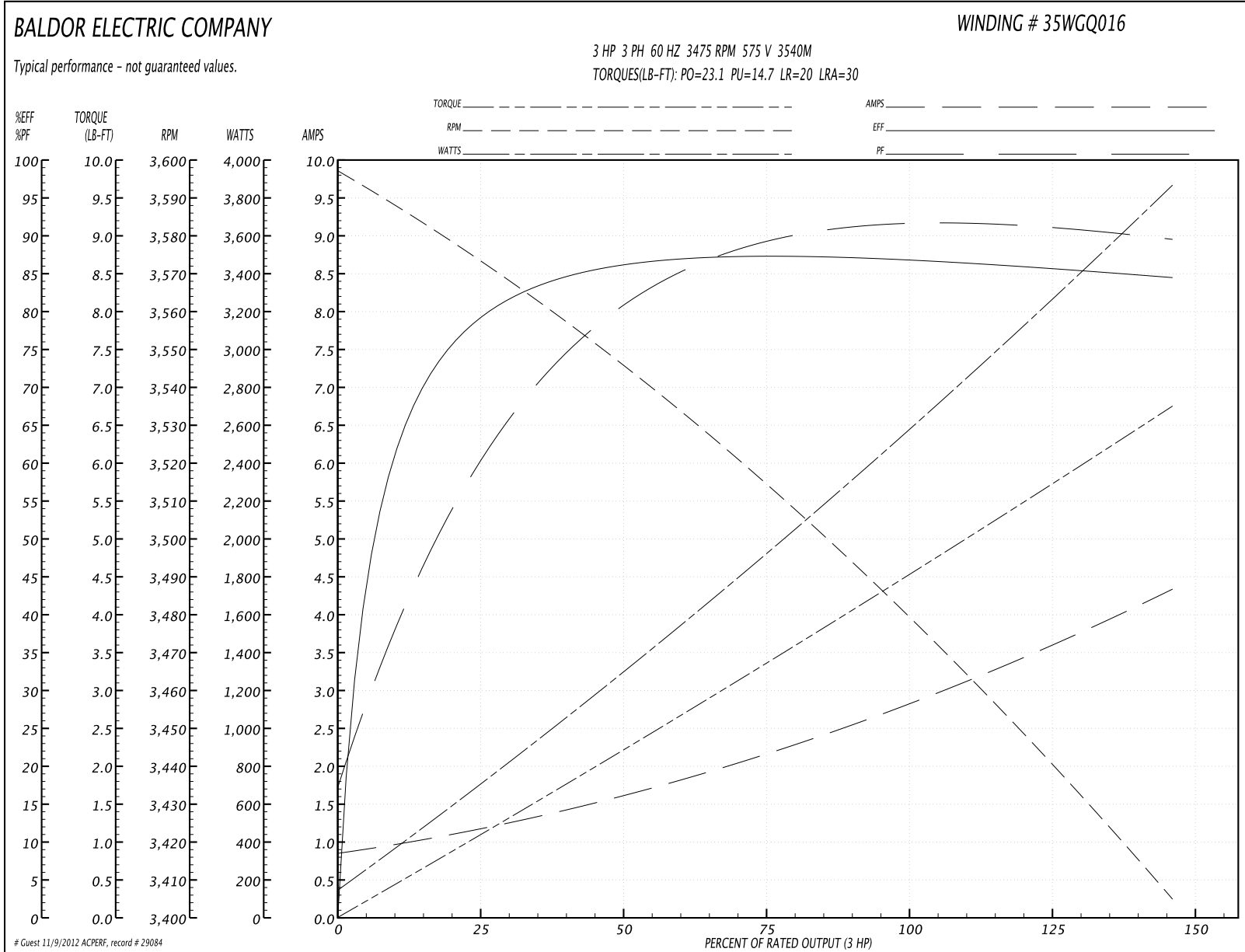
Performance Data at 575V, 60Hz, 3.0HP (Typical performance - Not guaranteed values)**General Characteristics**

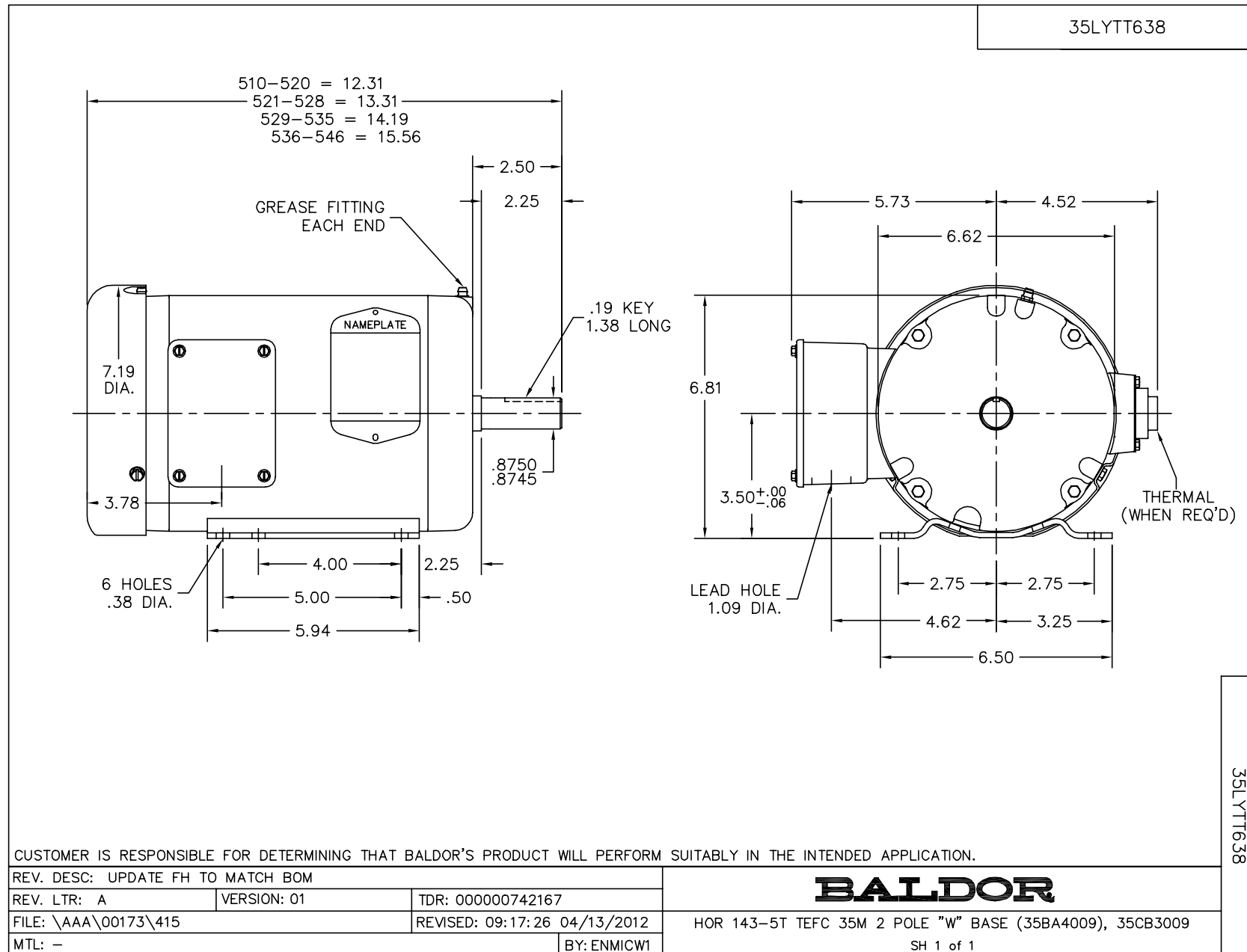
Full Load Torque:	4.5 LB-FT	Start Configuration:	DOL
No-Load Current:	0.87 Amps	Break-Down Torque:	23.1 LB-FT
Line-line Res. @ 25°C.:	5.76 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	14.7 LB-FT
Temp. Rise @ Rated Load:	45 C	Locked-Rotor Torque:	20.0 LB-FT
Temp. Rise @ S.F. Load:	53 C	Starting Current:	30.0 Amps

Load Characteristics

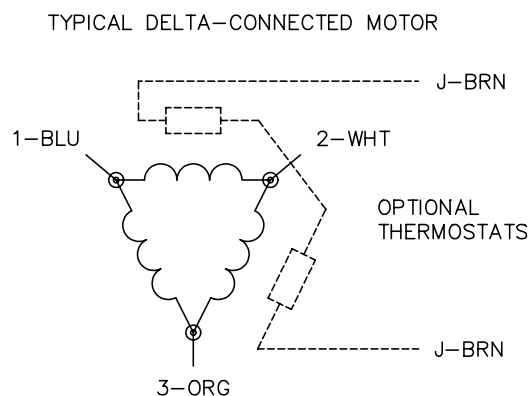
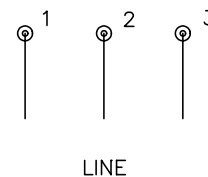
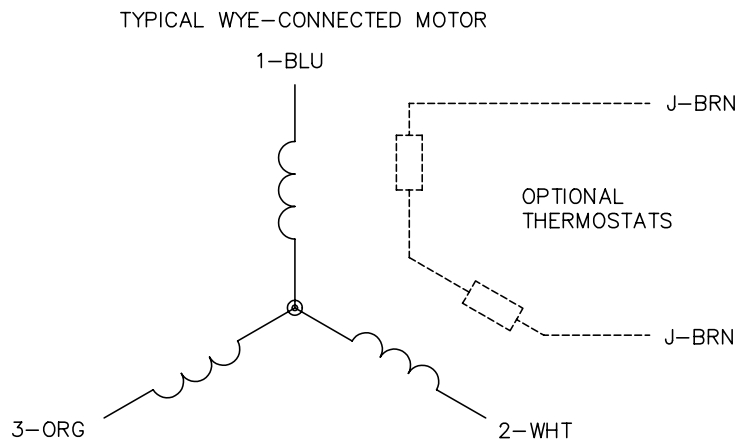
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	64.0	82.0	89.0	91.0	91.0	90.0	91.0
Efficiency:	78.7	86.0	87.0	87.2	86.0	84.3	86.5
Speed:	3571.0	3543.0	3514.0	3483.0	3445.0	3403.0	3460.0
Line Amperes:	1.15	1.62	2.19	2.82	3.52	4.34	3.24

Performance Graph at 575V, 60Hz, 3.0HP Typical performance - Not guaranteed values





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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

90000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

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