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Product Information Packet

EM3581T

1HP,1760RPM,3PH,60HZ,143T,0519M,TEFC,F1

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Part Detail

Revision:	G	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	0519M	**Elec. Spec:**	05WGX122	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	05C001	**Layout:**	05LYC001
Frame:	143T	**Mounting:**	F1	**Poles:**	04	**Created Date:**	08-03-2010
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	07-03-2014
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1259L								
CAT.NO.	EM3581T							
SPEC.	05C001X122G1							
HP	1							
VOLTS	208-230/460							
AMP	3.1-3/1.5							
RPM	1760							
FRAME	143T	HZ	60	PH	3			
SER.F.	1.15	CODE	L	DES	B	CL	F	
NEMA-NOM-EFF	85.5	PF	71					
RATING	40C AMB-CONT							
CC	010A	USABLE AT 208V	3.1					
DE	6205	ODE	6203					
ENCL	TEFC	SN						

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AC Induction Motor Performance Data

Record # 31995 - Typical performance - not guaranteed values

Winding: 05WGX122-R001	**Type:** 0519M	**Enclosure:** TEFC

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	2.97 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.1-3/1.5			Breakdown Torque	12.5 LB-FT
R.P.M.	1760			Pull-up Torque	6.16 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.49 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	12.1 A
Service Factor (S.F.)	1.15			No-load Current	1 A
NEMA Nom. Eff.	85.5	Power Factor	71	Line-line Res. @ 25ºC	16.05 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	30°C
S.F. Amps				Temp. Rise @ S.F. Load	36°C

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	49	62	71	77	80	75
Efficiency	72.2	82.1	84.8	85.6	85.3	84.4	85.4
Speed	1790.9	1781.2	1771.5	1760.7	1749.1	1736.6	1754
Line amperes	1.05	1.15	1.33	1.54	1.79	2.07	1.69

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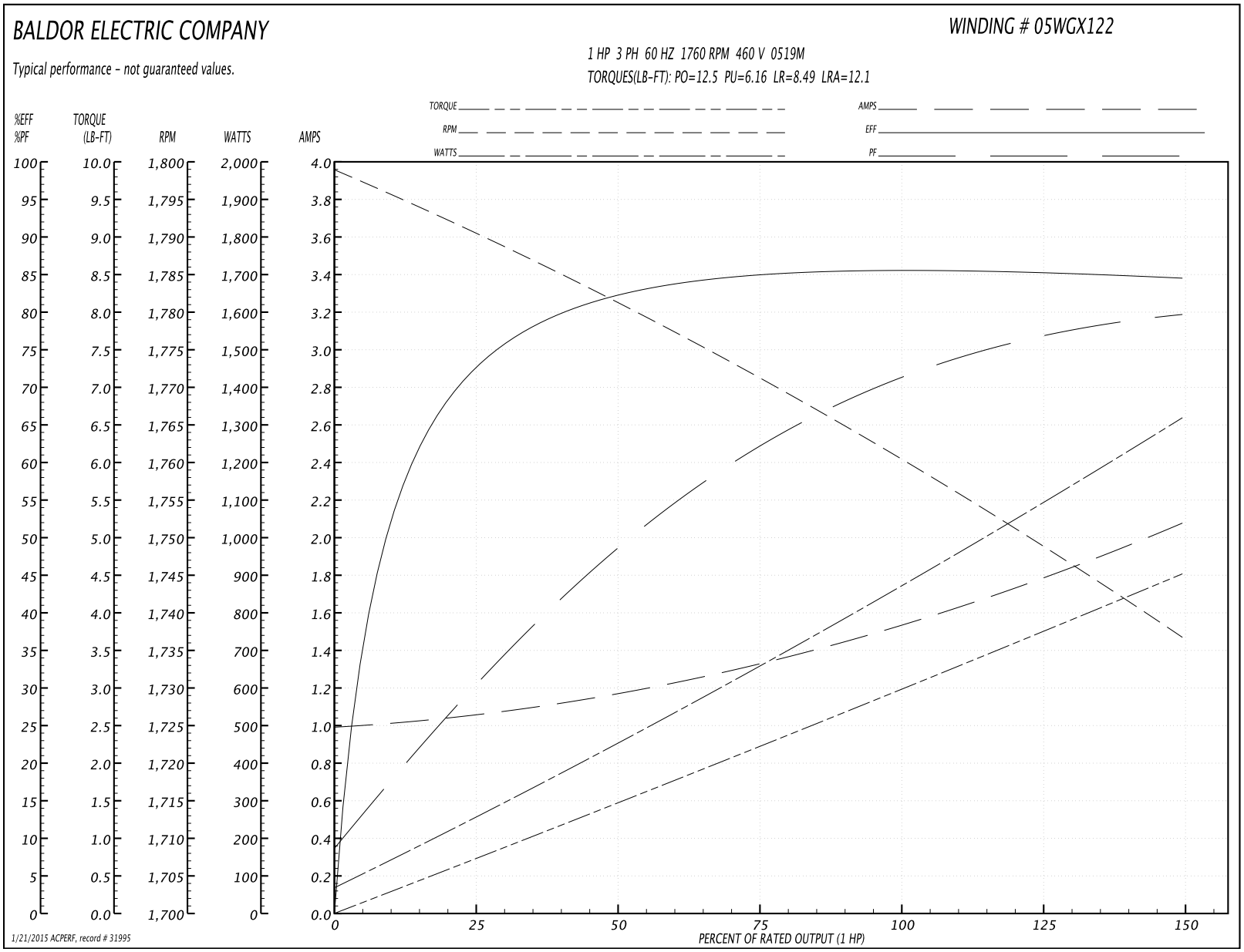
Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values



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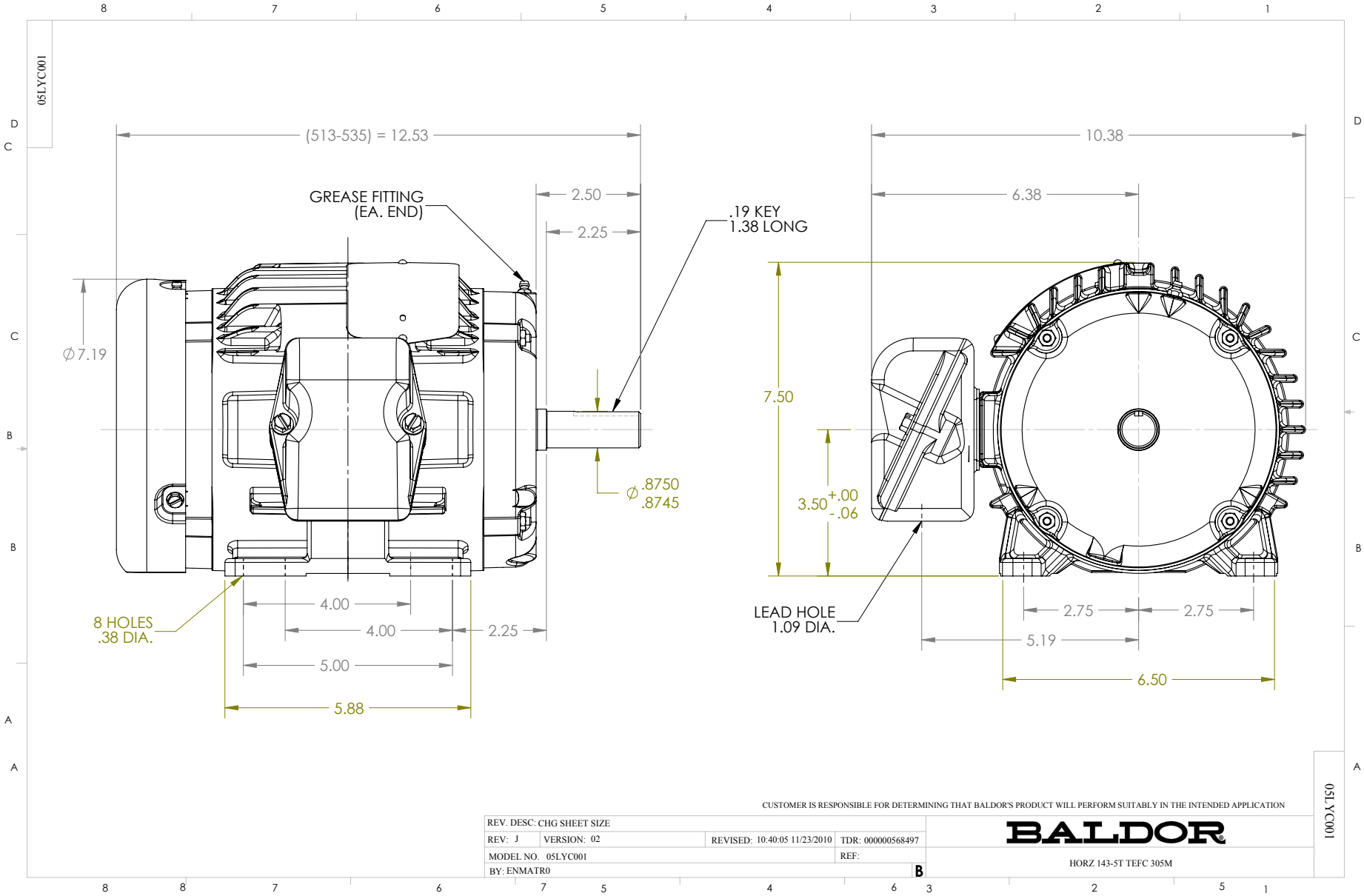

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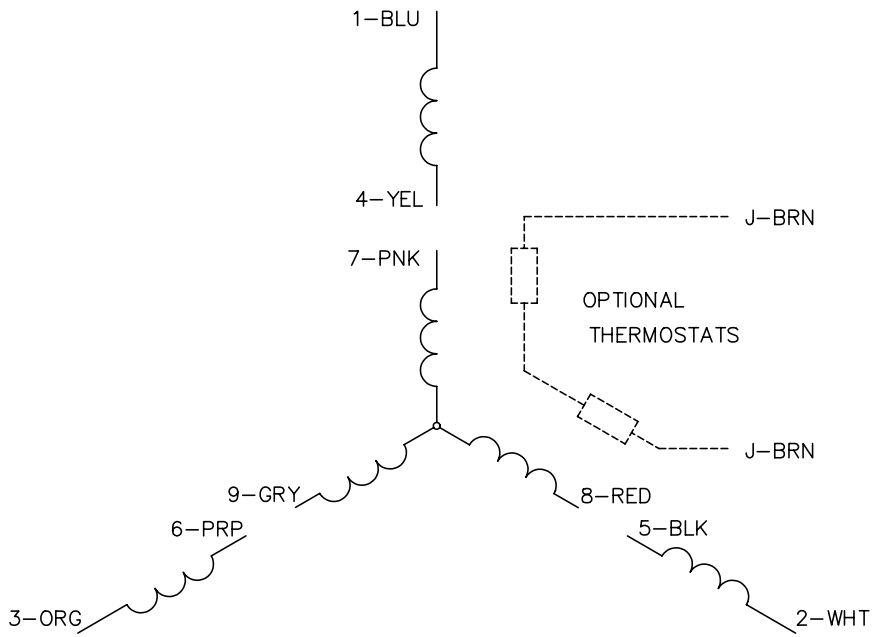
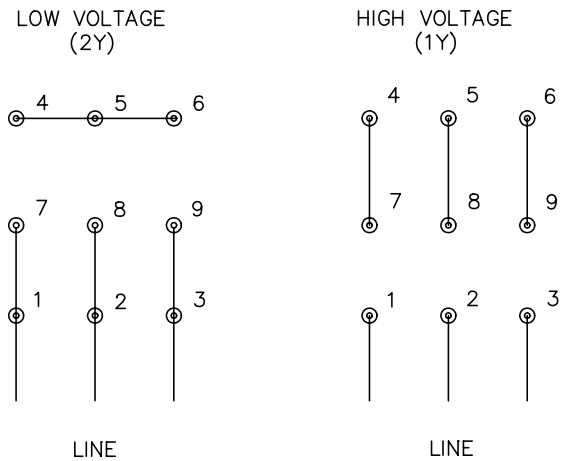
CD0005





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
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005

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