

BALDOR® • RELIANCE

Product Information Packet

BM3546T

1HP,1725RPM,3PH,60HZ,143T,BRAKE,3426M

Part Detail							
Revision:	P	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3426M	Elec. Spec:	34WGX269	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34G534	Layout:	34LYG534
Frame:	143T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	03-08-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	BM3546T												
SPEC.	34G534X269-N												
HP	1												
VOLTS	208-230/460												
AMP	3.7-3.4/1.7												
RPM	1725												
FRAME	143T					HZ		60				PH	3
SER.F.	1.15					CODE	M	DES		B	CLASS		B
NEMA-NOM-EFF	78.5						PF	71					
RATING	40C AMB-CONT												
CC					USABLE AT 208V								3.7
DE	6205					ODE		6203					
ENCL	TEFC			SN									

AC Induction Motor Performance Data

Record # 7286 - Typical performance - not guaranteed values

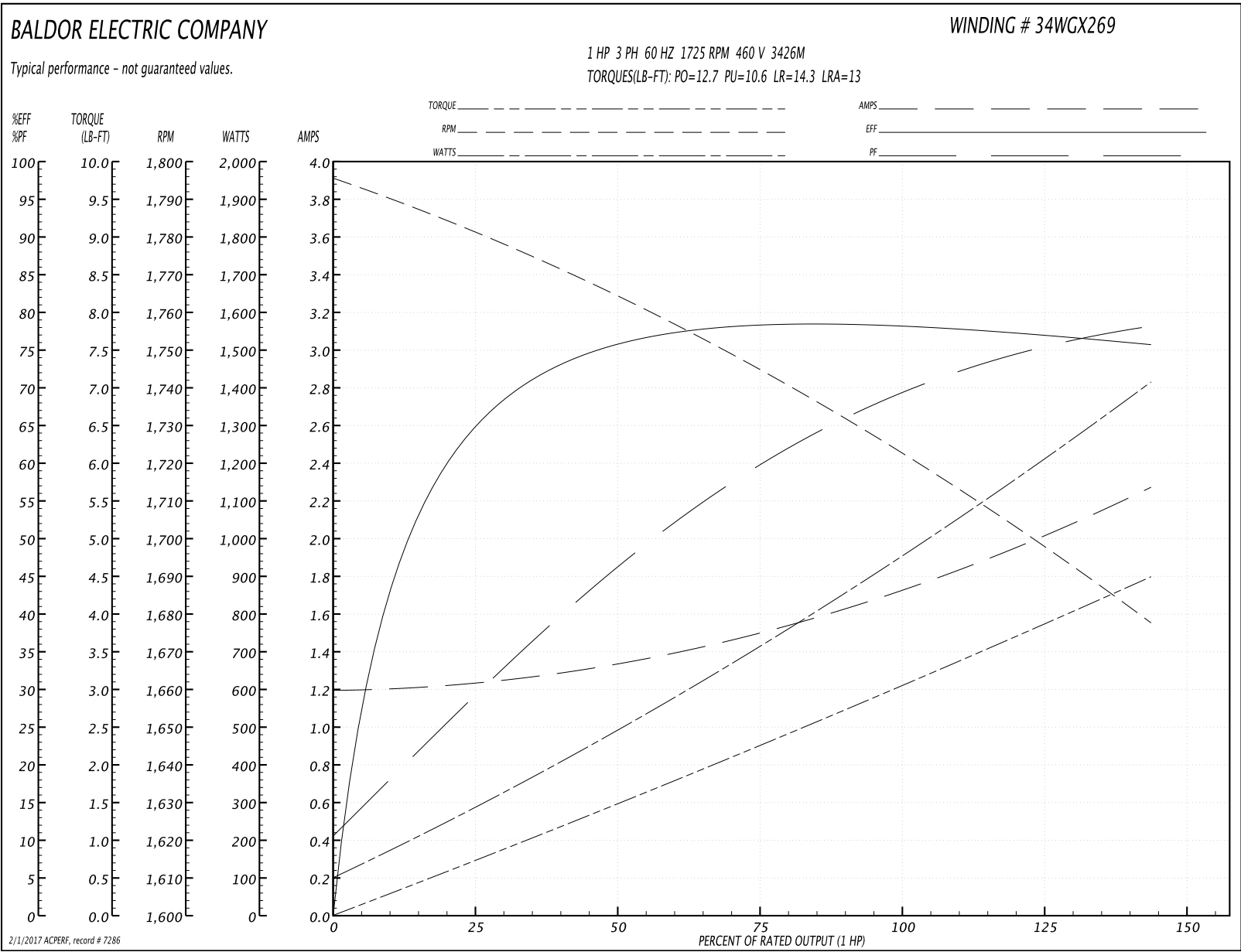
Winding: 34WGX269-R001	Type: 3426M	Enclosure: TEFC
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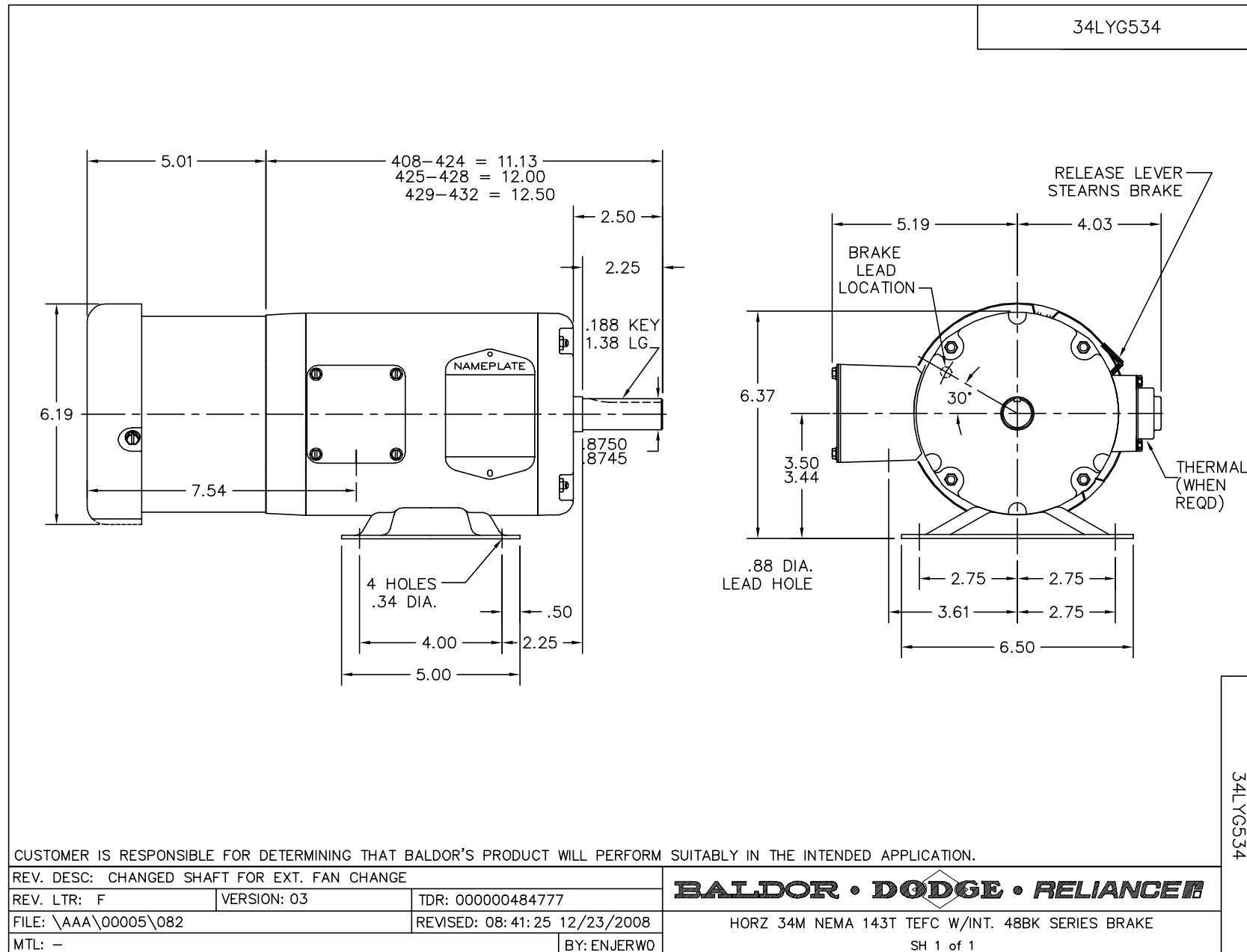
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.7-3.4/1.7			Breakdown Torque	12.7 LB-FT
R.P.M.	1725			Pull-up Torque	10.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	13 A
Service Factor (S.F.)	1.15			No-load Current	1.2 A
NEMA Nom. Eff.	78.5	Power Factor	71	Line-line Res. @ 25°C	13.2 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C
S.F. Amps				Temp. Rise @ S.F. Load	94°C
				Locked-rotor Power Factor	53
				Rotor inertia	0.0619 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

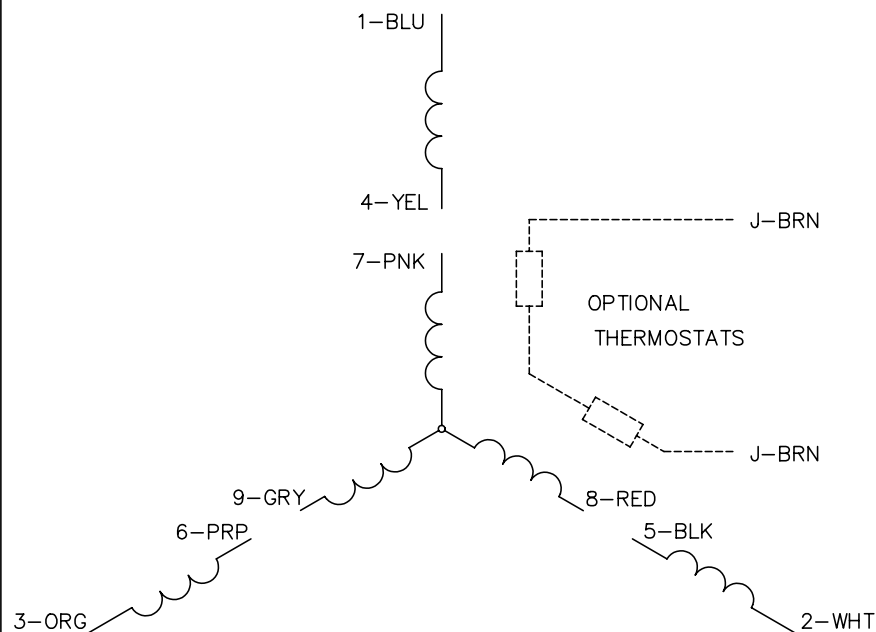
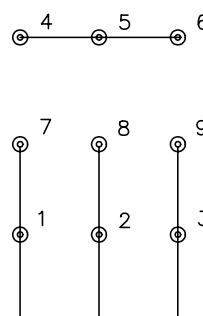
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	47	60	68	75	79	72
Efficiency	63.9	75.5	78.3	78.6	77.4	75.5	77.9
Speed	1781	1763	1745	1725	1702	1677	1711
Line amperes	1.23	1.33	1.5	1.72	1.97	2.27	1.87

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

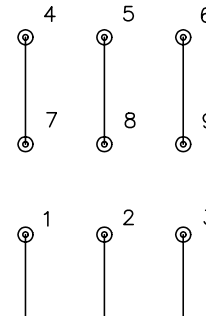




CD0005


 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