

BALDOR® • RELIANCE

Product Information Packet

ELECTRIC MOTOR WHOLESAL.COM

JM3546

1HP,1725RPM,3PH,60HZ,56J,3426M,TEFC,F1

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3426M	Elec. Spec:	34WGX269	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34K036	Layout:	
Frame:	56J	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	06-27-2011
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L									
CAT.NO.	JM3546								
SPEC.	34K036X269								
HP	1								
VOLTS	208-230/460								
AMP	3.7-3.4/1.7								
RPM	1725								
FRAME	56J	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	6203	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA018271	SA 34K036X269	1.000 EA
RA014423	RA 34K036X269	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	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
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A03	IEC FH NO GREASER W/.88 DIA SHAFT HOLE	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4100A81	CAPLUG BPF-7/8, FOR .86-.88 HOLE	1.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
RM1010A01	35-968-1 VINYL CLS	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY 55 GALLONS	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP1256L	ALUM, UL CSA CC, W/O THERMAL, LASER	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-171	C FACE KIT	A8

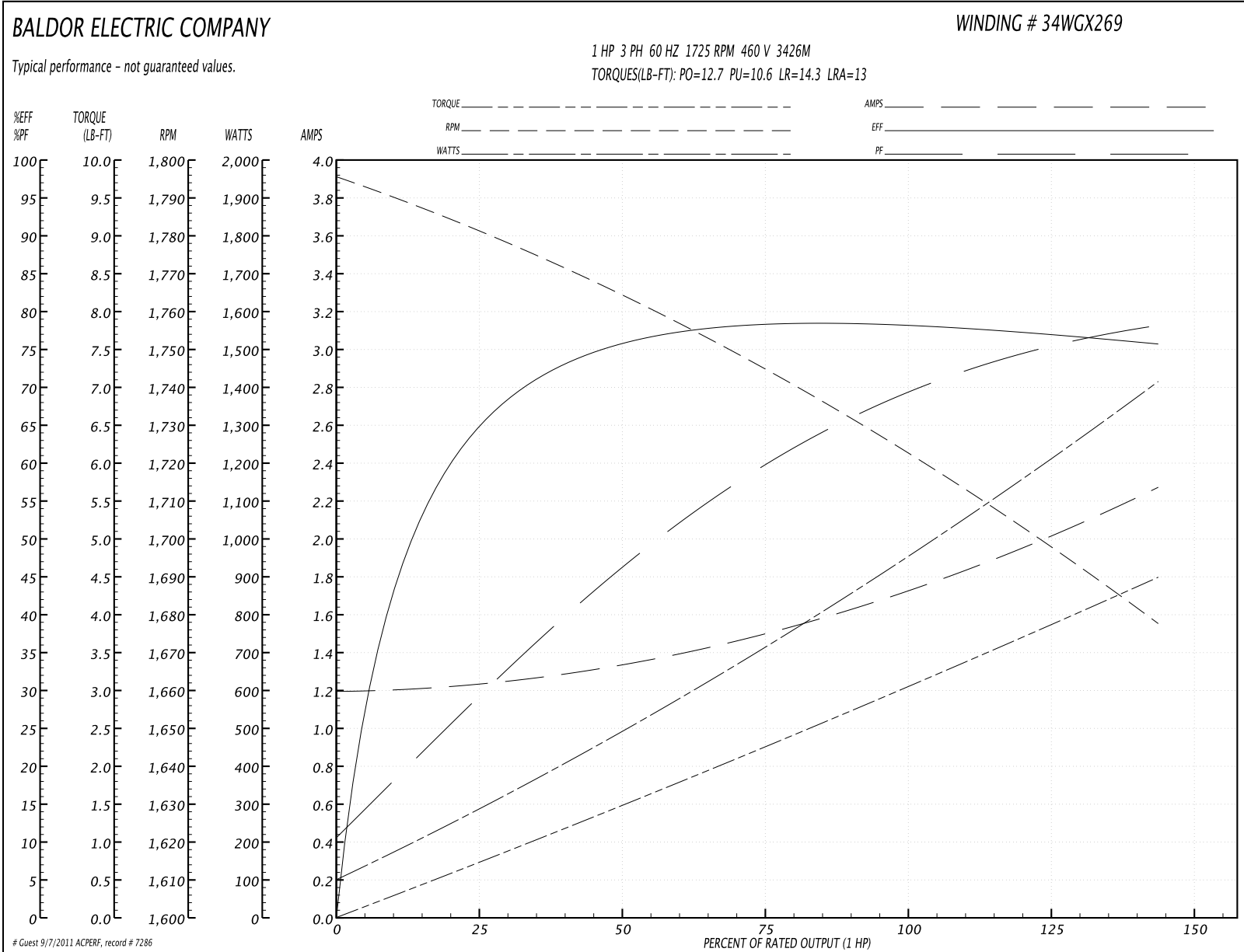
Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)
General Characteristics

Full Load Torque:	3.0 LB-FT	Start Configuration:	DOL
No-Load Current:	1.2 Amps	Break-Down Torque:	12.7 LB-FT
Line-line Res. @ 25°C.:	13.2 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	10.6 LB-FT
Temp. Rise @ Rated Load:	79 C	Locked-Rotor Torque:	14.3 LB-FT
Temp. Rise @ S.F. Load:	94 C	Starting Current:	13.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	30.0	47.0	60.0	68.0	75.0	79.0	72.0
Efficiency:	63.9	75.5	78.3	78.6	77.4	75.5	77.9
Speed:	1781.0	1763.0	1745.0	1725.0	1702.0	1677.0	1711.0
Line Amperes:	1.23	1.33	1.5	1.72	1.97	2.27	1.87

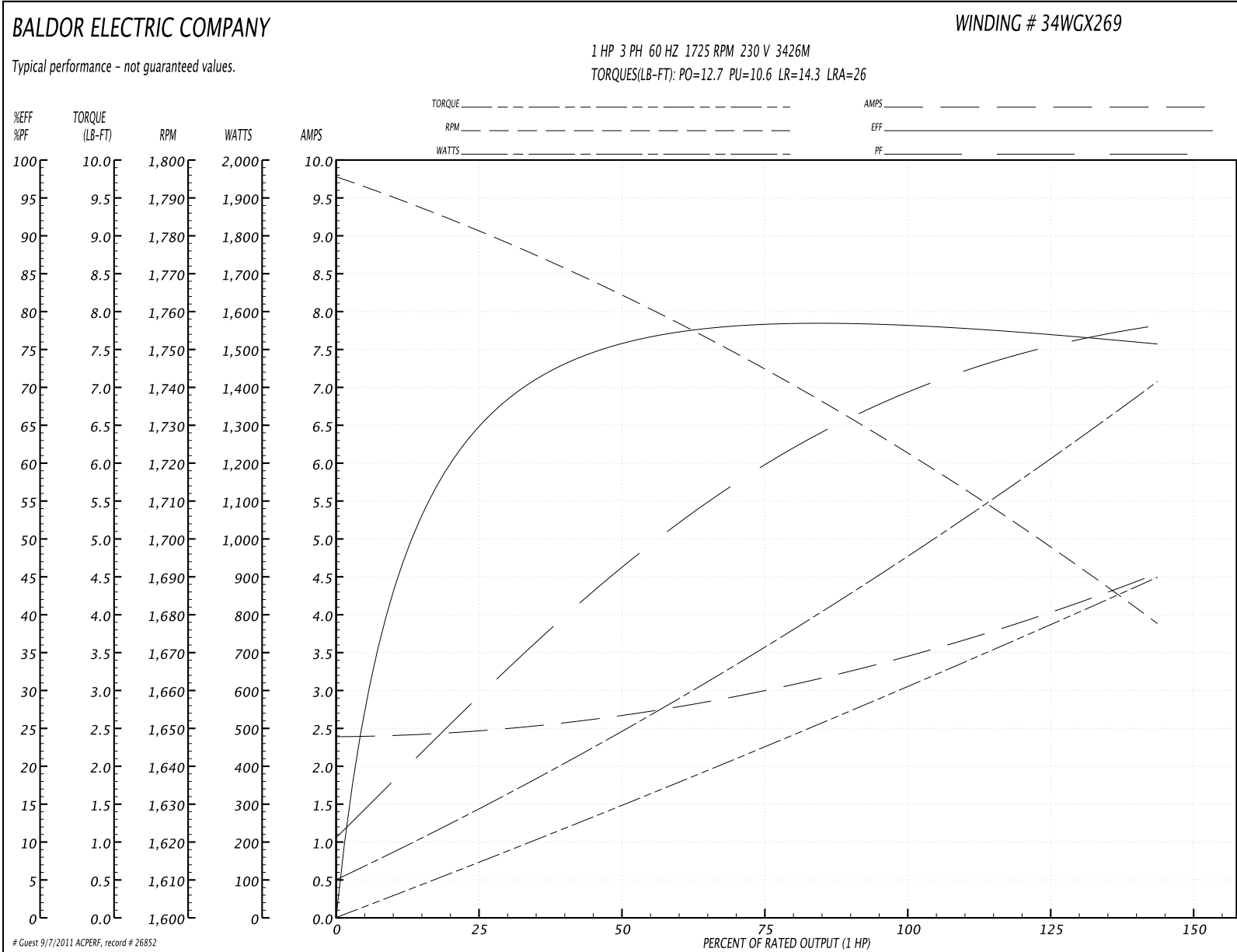
Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values



Performance Data at 230V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	3.0 LB-FT			Start Configuration:	DOL		
No-Load Current:	2.4 Amps			Break-Down Torque:	12.7 LB-FT		
Line-line Res. @ 25°C.:	3.3 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	10.6 LB-FT		
Temp. Rise @ Rated Load:	79 C			Locked-Rotor Torque:	14.3 LB-FT		
Temp. Rise @ S.F. Load:	94 C			Starting Current:	26.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	30.0	47.0	60.0	68.0	75.0	79.0	72.0
Efficiency:	63.9	75.4	78.3	78.6	77.4	75.5	77.9
Speed:	1781.0	1763.0	1745.0	1725.0	1702.0	1677.0	1711.0
Line Amperes:	2.46	2.66	3.0	3.44	3.94	4.54	3.74

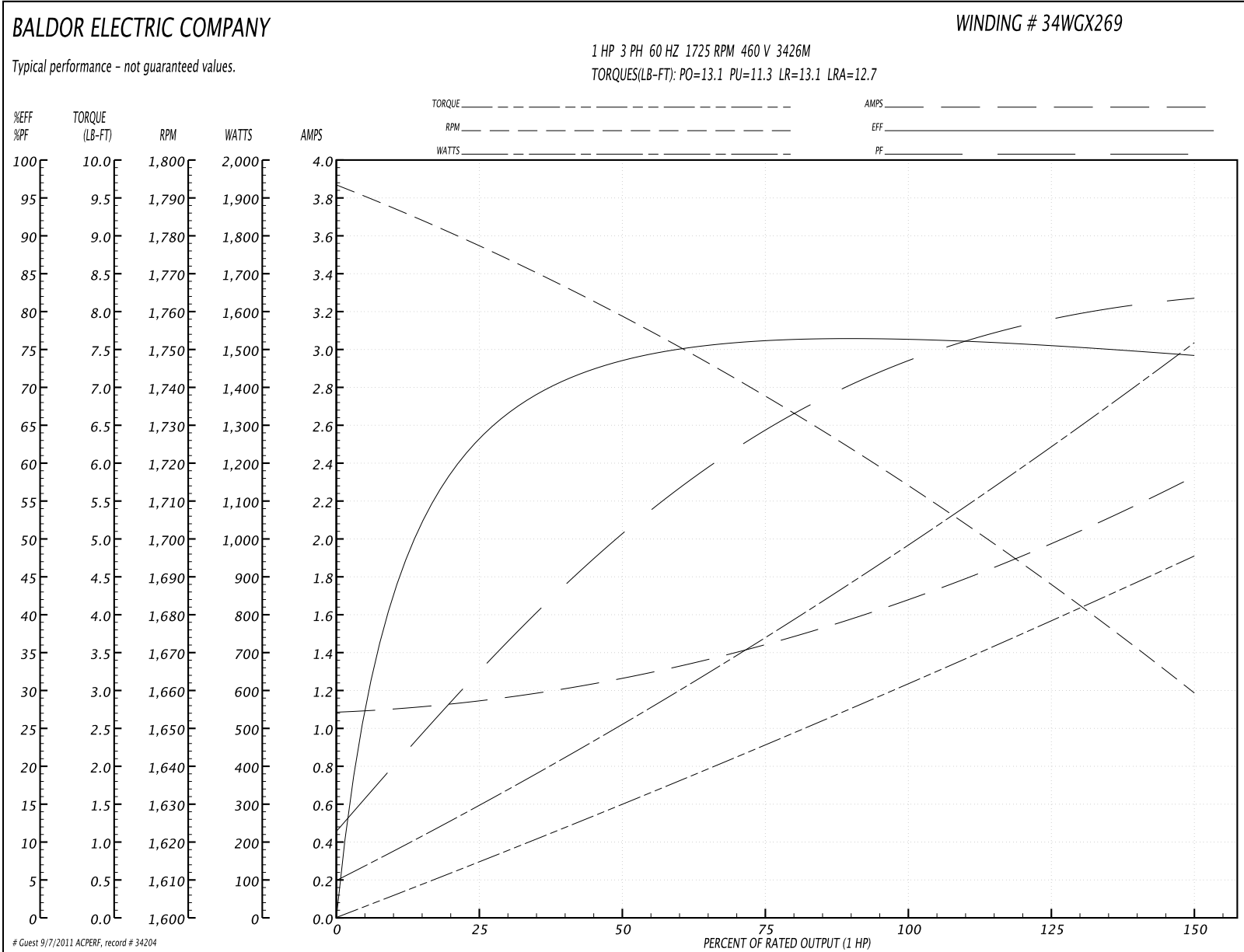
Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values

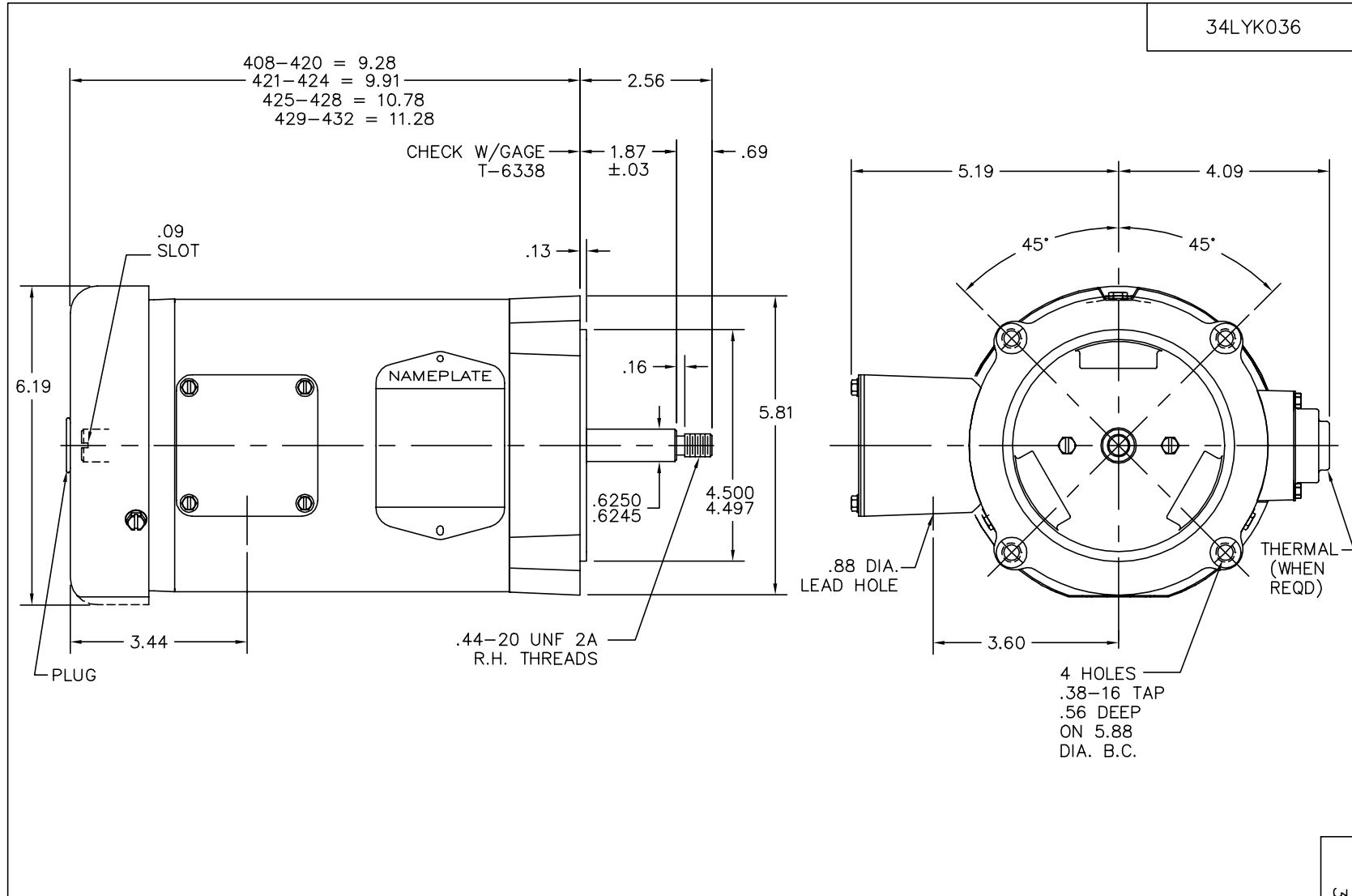


Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	3.05 LB-FT			Start Configuration:	DOL		
No-Load Current:	1.1 Amps			Break-Down Torque:	13.1 LB-FT		
Line-line Res. @ 25°C.:	13.879 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	11.3 LB-FT		
Temp. Rise @ Rated Load:	71 C			Locked-Rotor Torque:	13.1 LB-FT		
Temp. Rise @ S.F. Load:	85 C			Starting Current:	12.7 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	34.0	51.0	64.0	73.0	78.0	82.0	76.0
Efficiency:	65.9	75.7	78.5	78.5	77.1	74.7	77.7
Speed:	1777.0	1759.1	1738.2	1715.3	1689.3	1659.2	1700.0
Line Amperes:	1.13	1.25	1.44	1.68	1.97	2.32	1.85

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





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

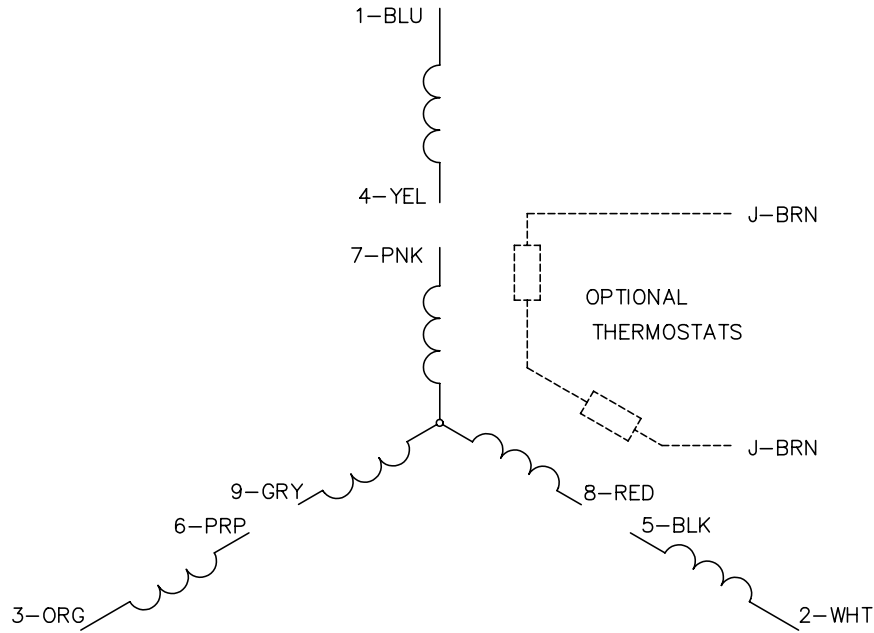
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	MTL: -	BY: ENROSTO

BALDOR ELECTRIC Co.

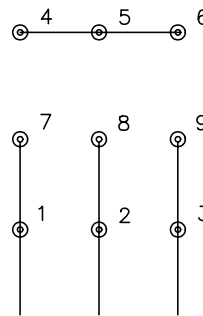
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34LYK036

CD0005

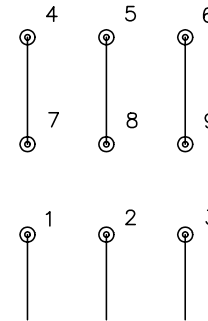


LOW VOLTAGE
(2Y)



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			
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BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005