BALDOR
A MEMBER OF THE ABB GROUP

BALDOR • RELIANCE

Product Information Packet

M3531

.25HP,1140RPM,3PH,60HZ,56,3411M,TEFC,F1

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail							
Revision:	P	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3411M	**Elec. Spec:**	34WG5882	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	34A061	**Layout:**	34LYA061
Frame:	56	**Mounting:**	F1	**Poles:**	06	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	B	**Eff. Date:**	07-09-2015
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

BALDOR A MEMBER OF THE ABB GROUP

Nameplate NP1256L

CAT.NO.	M3531								
SPEC.	34A61-5882								
HP	.25								
VOLTS	230/460								
AMP	1.4/.7								
RPM	1140								
FRAME	56			**HZ**	60			**PH**	3
SER.F.	1.35		**CODE**	K		**DES**	B	**CLASS**	B
NEMA-NOM-EFF	68		**PF**	51					
RATING	40C AMB-CONT								
CC							**USABLE AT 208V**	1.6	
DE	6203			**ODE**	6203				
ENCL	TEFC	**SN**							
	SFA 1.5/.75								

BALDOR
A MEMBER OF THE ABB GROUP

AC Induction Motor Performance Data

Record # 6830 - Typical performance - not guaranteed values

Winding: 34WG5882-R001	**Type:** 3411M	**Enclosure:** TEFC

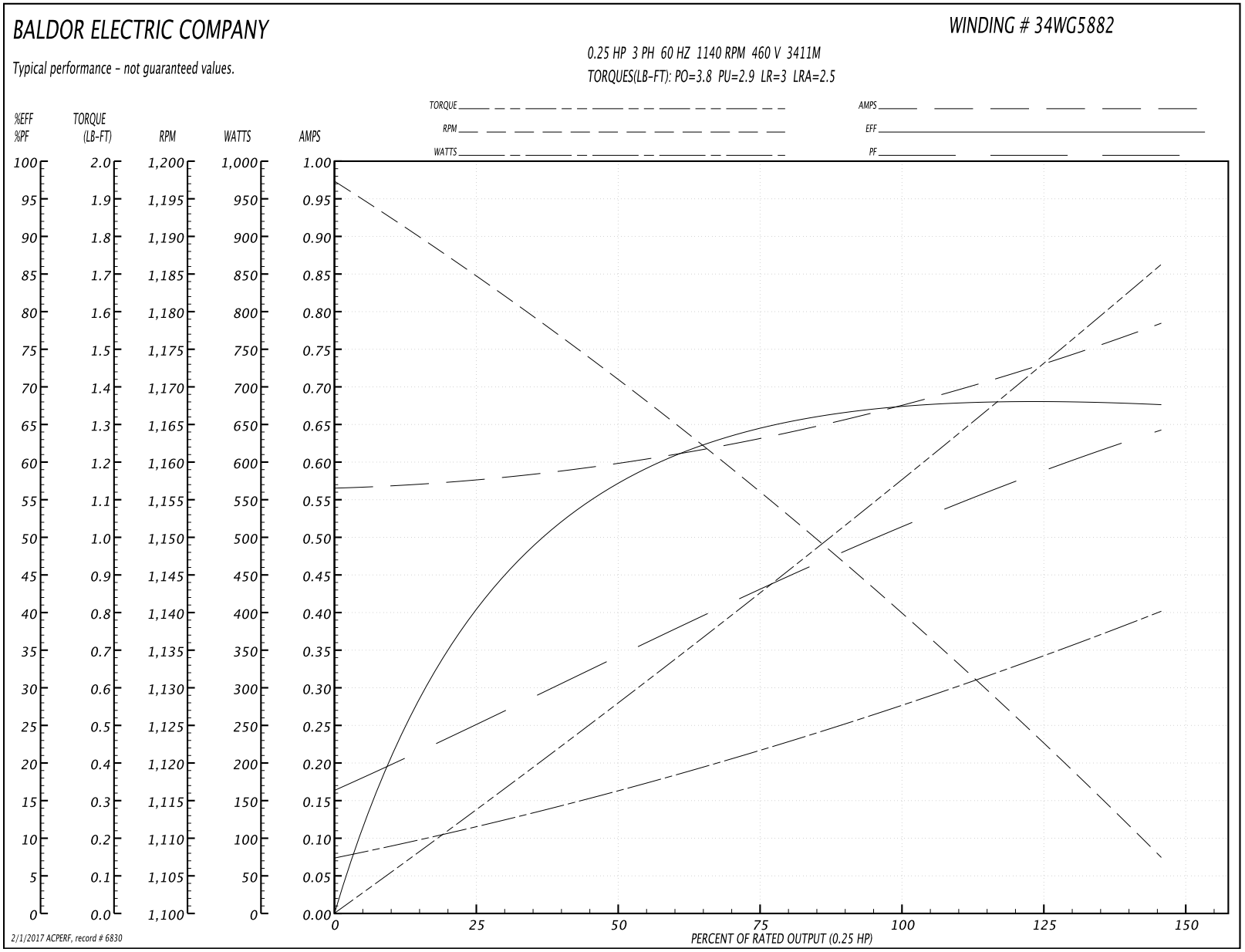
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	1.15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.4/.7			Breakdown Torque	3.8 LB-FT
R.P.M.	1140			Pull-up Torque	2.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	2.5 A
Service Factor (S.F.)	1.35			No-load Current	0.57 A
NEMA Nom. Eff.	68	Power Factor	51	Line-line Res. @ 25ºC	80.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	41°C
S.F. Amps	1.5/.75			Temp. Rise @ S.F. Load	53°C

Load Characteristics 460 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	24	34	43	51	58	61	61
Efficiency	44	57	64	67.4	68	67.7	68.2
Speed	1184	1171	1157	1139	1122	1109	1115
Line amperes	0.57	0.6	0.63	0.68	0.73	0.78	0.75

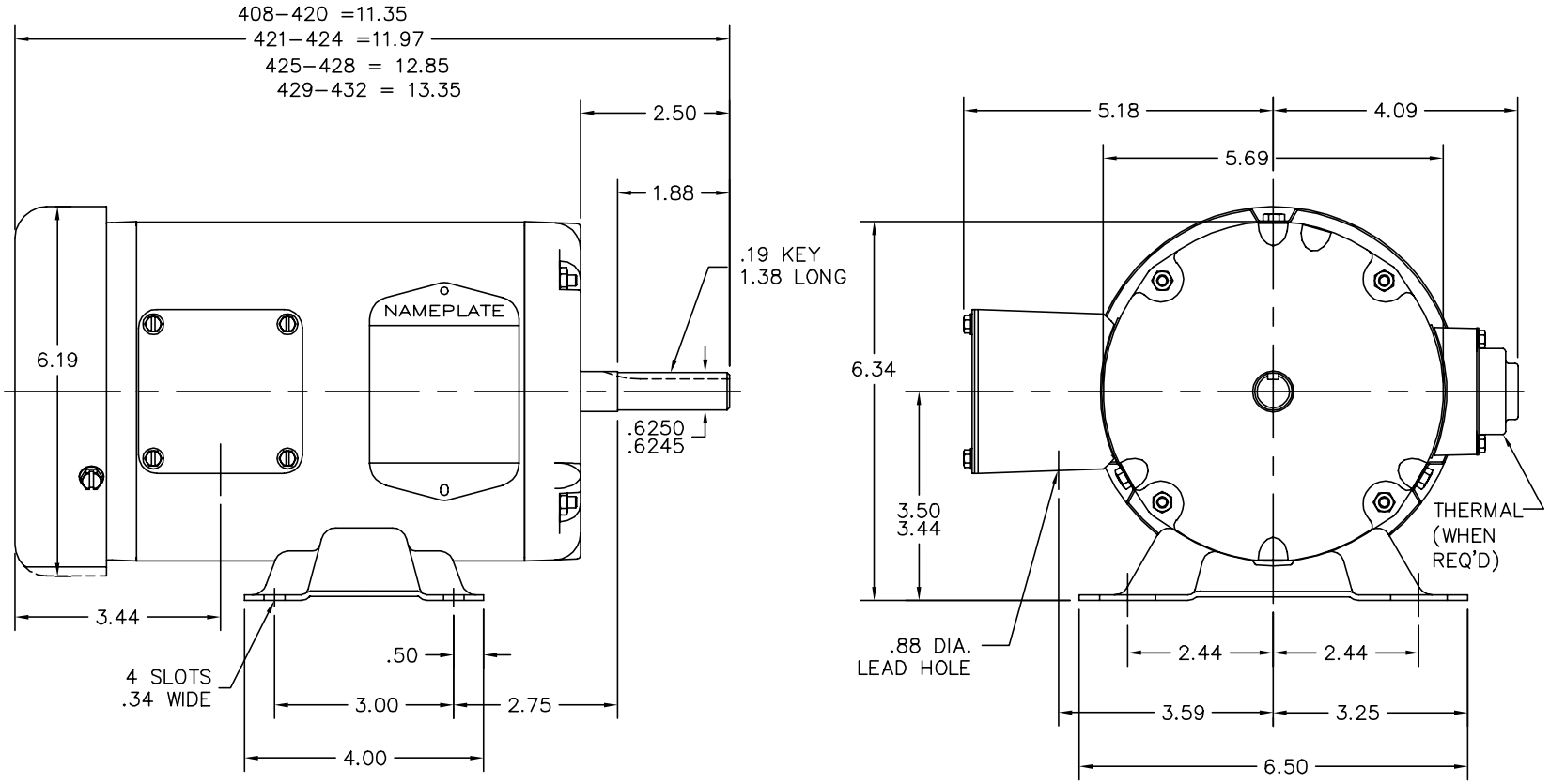
BALDOR A MEMBER OF THE ABB GROUP

Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values



BALDOR
A MEMBER OF THE ABB GROUP

34LYA061



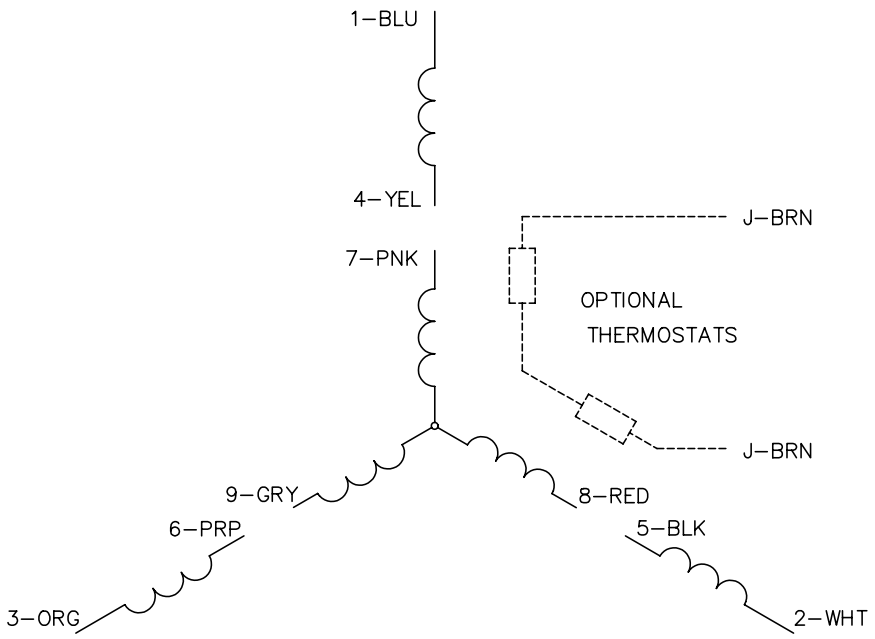
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

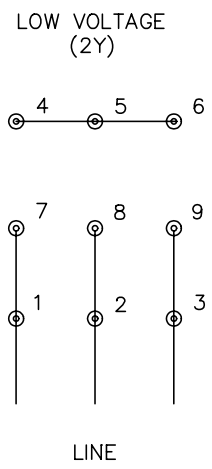
REV. DESC: ADDED DIM 3.44, UPDATE ASSEMBLY PART & DRAWING			BALDOR ELECTRIC Co.
REV. LTR: J	VERSION: 02	TDR: 000000358076	
34LYA061	FILE: \AAA\00000\561	REVISED: 13:19:12 02/25/2005	STD HORZ 34M NEMA 56 TEFC
	MTL: –	BY: ENROSTO	

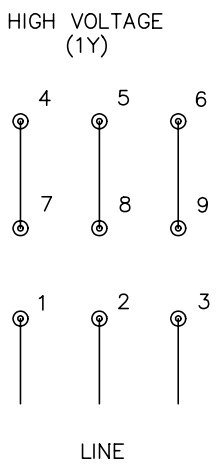
34LYA061

BALDOR A MEMBER OF THE ABB GROUP

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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

BALDOR A MEMBER OF THE ABB GROUP