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BALDOR • RELIANCE

Product Information Packet

M3157

2HP,1740RPM,3PH,60HZ,56H,3521M,OPEN,F1,N

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Part Detail							
Revision:	C	**Status:**	INA/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3522M	**Elec. Spec:**	35WGP803	**CD Diagram:**	CD0005
Enclosure:	OPEN	**Mfg Plant:**		**Mech. Spec:**	35J382	**Layout:**	35LYJ382
Frame:	56H	**Mounting:**	F1	**Poles:**	04	**Created Date:**	07-13-2010
Base:	RG	**Rotation:**	R	**Insulation:**	B	**Eff. Date:**	01-21-2015
Leads:	9#18					**Replaced By:**	NO REPLACEMENT
Literature:		**Elec. Diagram:**					

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Nameplate NP1256L

CAT.NO.	M3157								
SPEC.	35J382P803G1								
HP	2								
VOLTS	208-230/460								
AMP	6.7-6.14/3.07								
RPM	1740								
FRAME	56H		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	B		
NEMA-NOM-EFF	80	**PF**	75						
RATING	40C AMB-CONT								
CC				**USABLE AT 208V**					
DE	6205	**ODE**	6203						
ENCL	OPEN	**SN**							

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AC Induction Motor Performance Data

Record # 26939 - Typical performance - not guaranteed values

Winding: 35WGP803-R001	**Type:** 3522M	**Enclosure:** OPSB

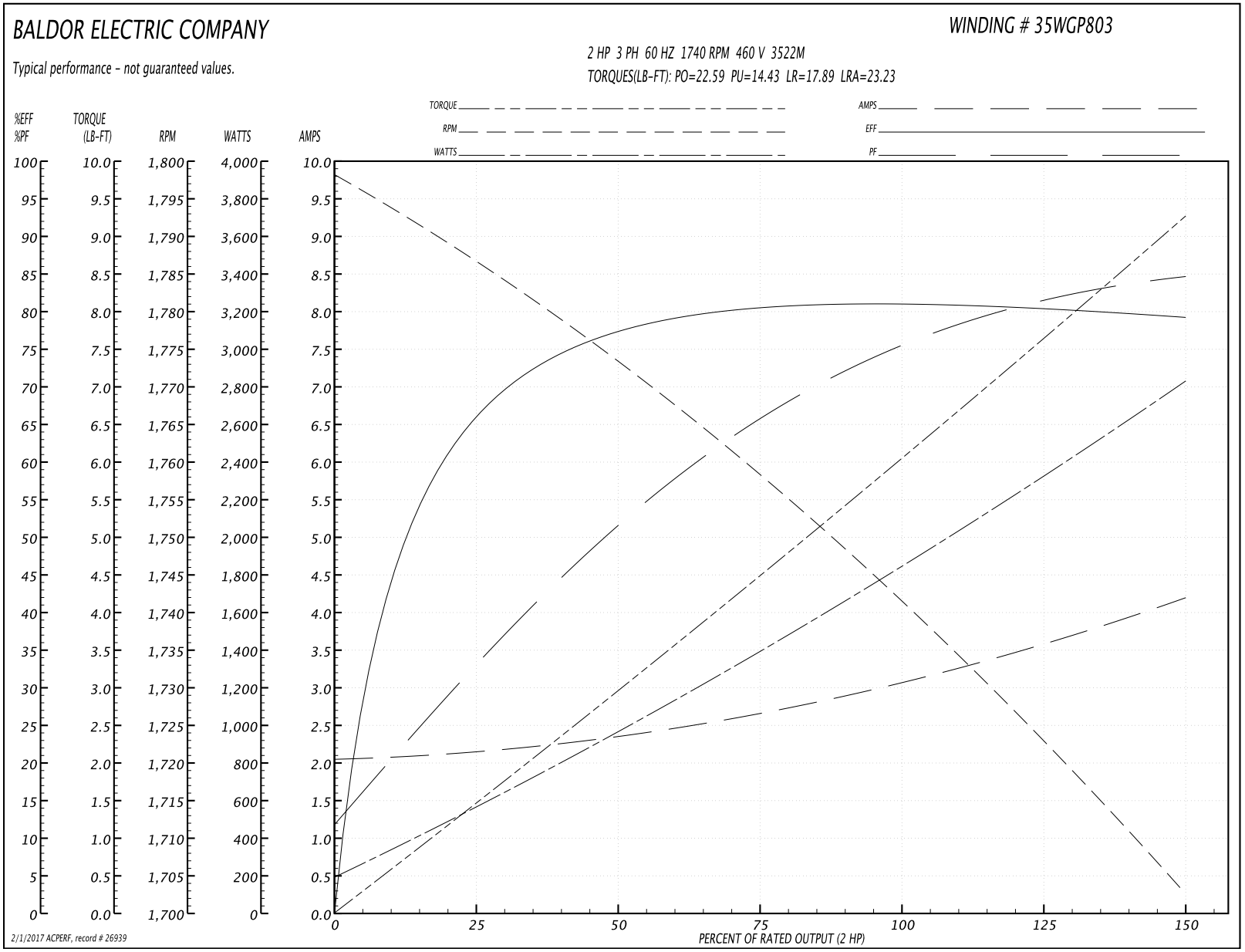
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	6.7-6.14/3.07			Breakdown Torque	22.59 LB-FT
R.P.M.	1740			Pull-up Torque	14.43 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.89 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	23.23 A
Service Factor (S.F.)	1.15			No-load Current	2.07 A
NEMA Nom. Eff.	80	Power Factor	75	Line-line Res. @ 25ºC	8.85 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps				Temp. Rise @ S.F. Load	67°C
				Locked-rotor Power Factor	64.8
				Rotor inertia	0.13 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	65	75	81	85	79
Efficiency	65.5	76.3	80.4	81.4	80.7	79	80.7
Speed	1786	1773	1759	1743	1724	1702	1730
Line amperes	2.12	2.34	2.64	3.07	3.58	4.18	3.38

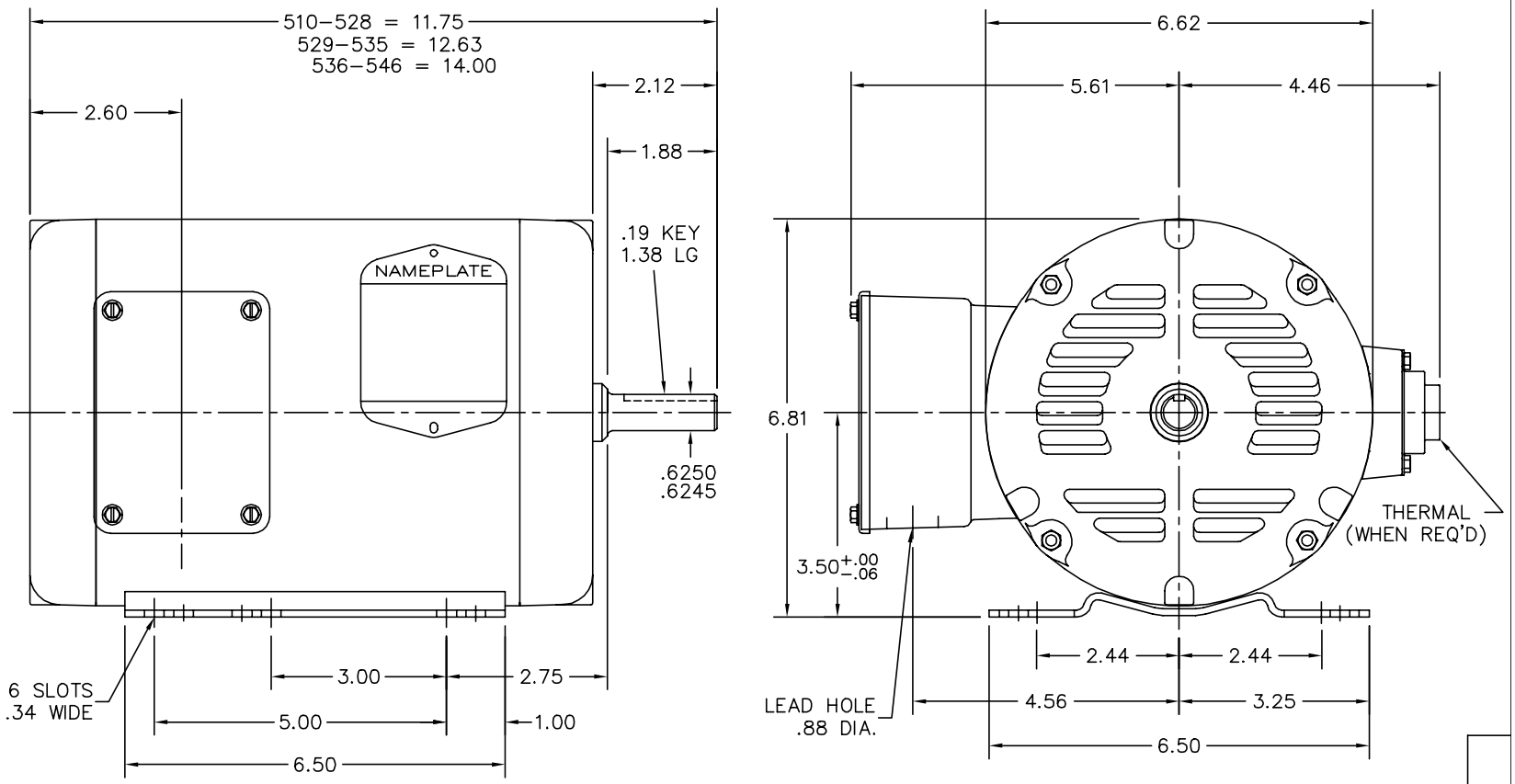
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Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



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35LYJ382



35LYJ382

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: CORRECT DESCRIPTION AND ADD STD DIMS		
REV. LTR: D	VERSION: 01	TDR: 000000841087
FILE: \AAA\00010\396	REVISED: 09:10:58 02/26/2014	BY: ENBRAM0
MTL: –		

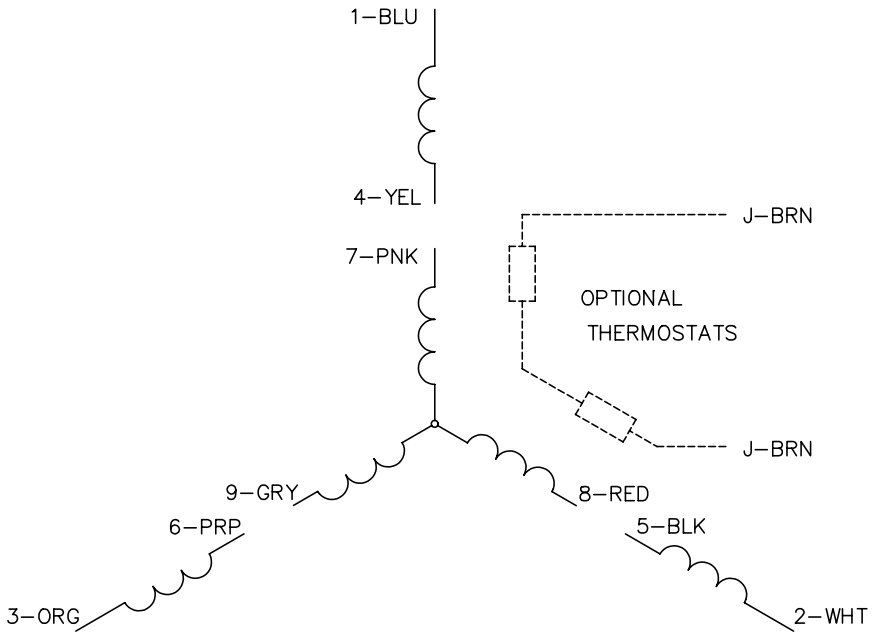
BALDOR

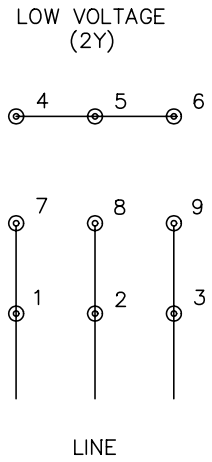
STD HORZ 56/56H OPEN 35M

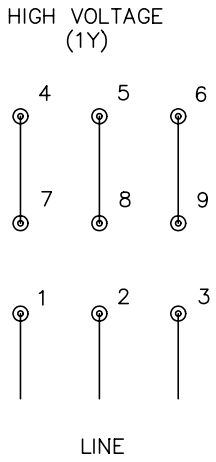
SH 1 of 1

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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.

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

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