

BALDOR® • ***RELIANCE***

Product Information Packet

NM3546

1HP,1745RPM,3PH,60HZ,56,3524M,TENV,F1,N

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGP560	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35A026	Layout:	35LYA026
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	08-05-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	NM3546								
SPEC.	35A026P560H1								
HP	1								
VOLTS	208-230/460								
AMP	3-2.9/1.45								
RPM	1745								
FRAME	56	HZ	60	PH	3				
SER.F.	1.15	CODE	M	DES	B	CLASS	F		
NEMA-NOM-EFF	85.5	PF	76						
RATING	40C AMB-CONT								
CC	USABLE AT 208V								
DE	6205	ODE	6203						
ENCL	TENV	SN							

AC Induction Motor Performance Data

Record # 30280 - Typical performance - not guaranteed values

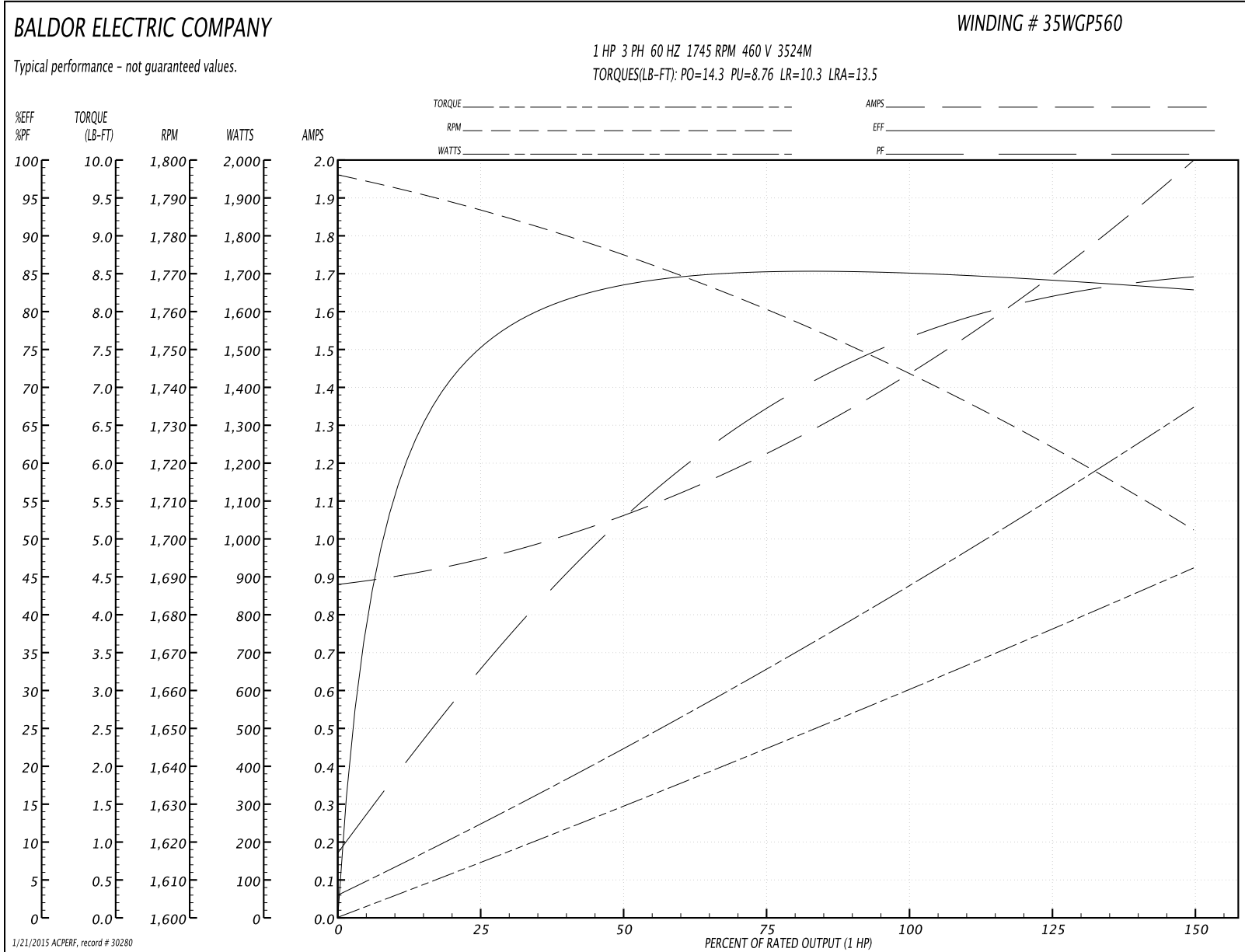
Winding: 35WGP560-R001	Type: 3524M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3.02 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3-2.9/1.45			Breakdown Torque	14.3 LB-FT
R.P.M.	1745			Pull-up Torque	8.76 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	13.5 A
Service Factor (S.F.)	1.15			No-load Current	0.89 A
NEMA Nom. Eff.	85.5	Power Factor	76	Line-line Res. @ 25°C	15.922 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	85°C
S.F. Amps				Temp. Rise @ S.F. Load	101°C
				Rotor inertia	0.142 LF ²

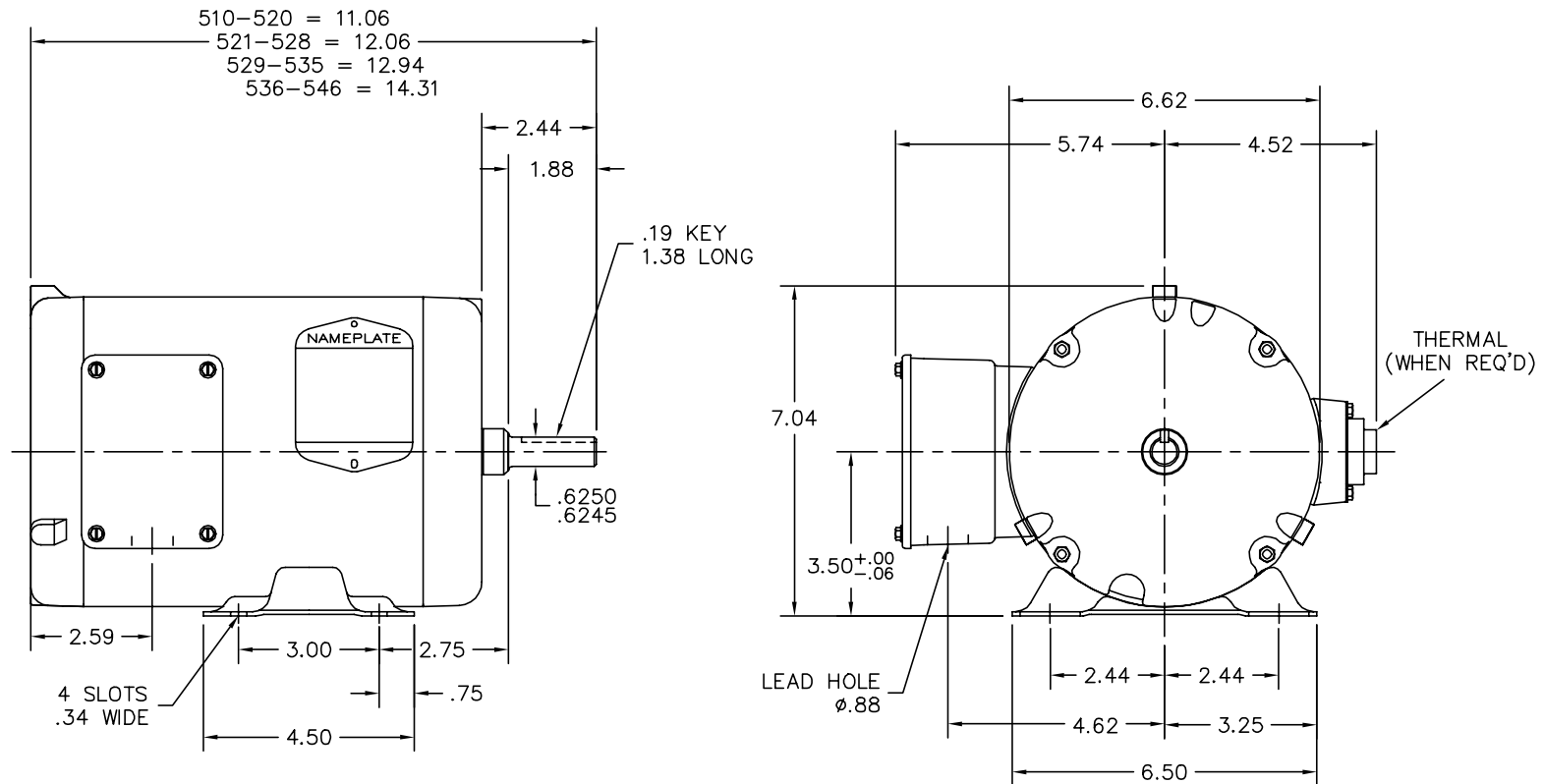
Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	76	81	85	79
Efficiency	74.6	83.4	85.4	85.5	84.7	82.6	85
Speed	1783.9	1773.9	1759.9	1743.9	1730.8	1698.3	1736
Line amperes	0.935	1.05	1.22	1.45	1.7	1.99	1.6

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



35LYA026



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

REV. DESC: UPDATE KOLD GRAPHICS		
REV. LTR: L	VERSION: 03	TDR: 000000486011
FILE: \AAA\00002\477		REVISED: 13:58:23 12/30/2008
MTL: -		BY: ENCHEBO

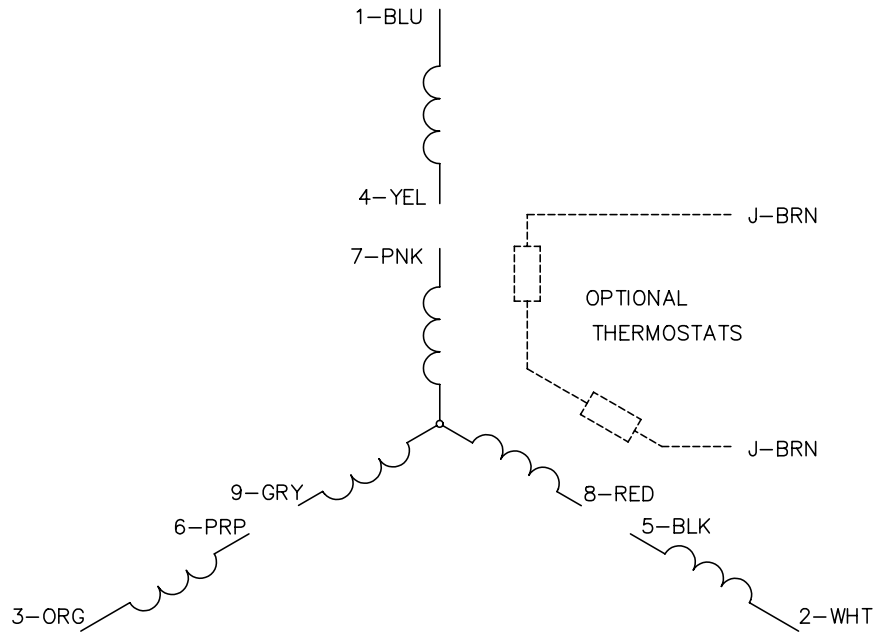
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STD HORZ 56 TENV 35M

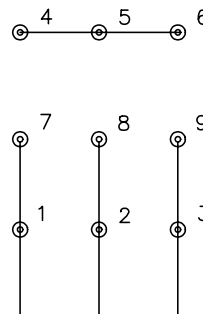
SH 1 of 1

35LYA026

CD0005

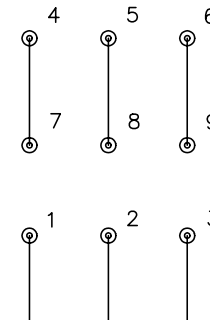


LOW VOLTAGE
(2Y)



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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005