

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

### **NM3539**

**.5HP, 1150RPM, 3PH, 60HZ, 56, 3524M, TENV, F1, N**

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGQ207	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35A026	Layout:	35LYA026
Frame:	56	Mounting:	F1	Poles:	06	Created Date:	11-29-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-25-2011
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

<b>Nameplate NP1256L</b>							
CAT.NO.	NM3539						
SPEC.	35A026Q207G1						
HP	.5						
VOLTS	230/460						
AMP	2/1						
RPM	1150						
FRAME	56	HZ	60	PH	3		
SER.F.	1.15	CODE	K	DES	B	CLASS	F
NEMA-NOM-EFF	78.5	PF	54				
RATING	40C AMB-CONT						
CC		USABLE AT 208V	2				
DE	6205	ODE	6203				
ENCL	TENV	SN					

**AC Induction Motor Performance Data**

Record # 36585 - Typical performance - not guaranteed values

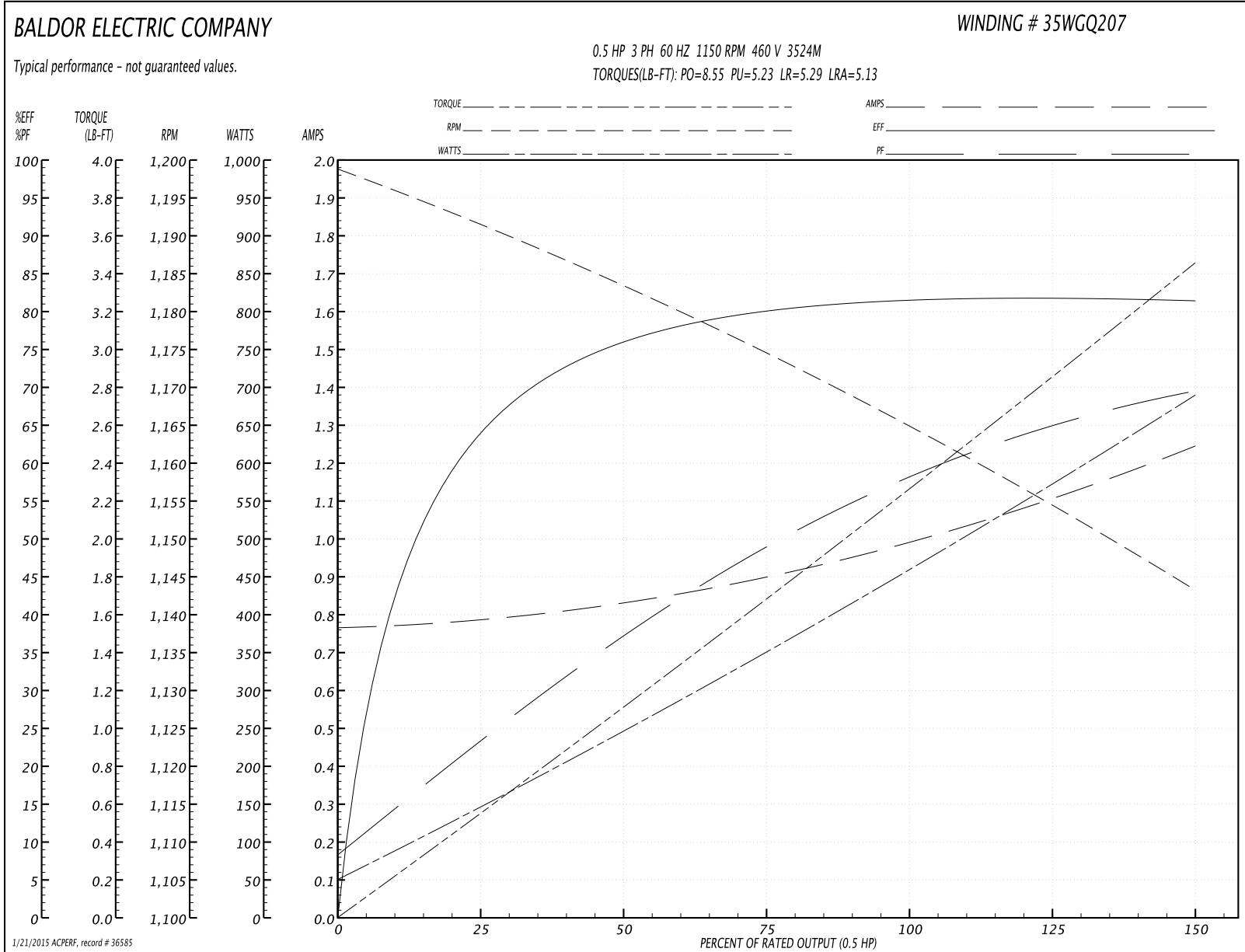
<b>Winding:</b> 35WGQ207-R012	<b>Type:</b> 3524M	<b>Enclosure:</b> TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	2.31 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2/1			Breakdown Torque	8.55 LB-FT
R.P.M.	1150			Pull-up Torque	5.23 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.29 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	5.13 A
Service Factor (S.F.)	1.15			No-load Current	0.769 A
NEMA Nom. Eff.	78.5	Power Factor	54	Line-line Res. @ 25°C	24.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
				Rotor inertia	0.142 LF <sup>2</sup>

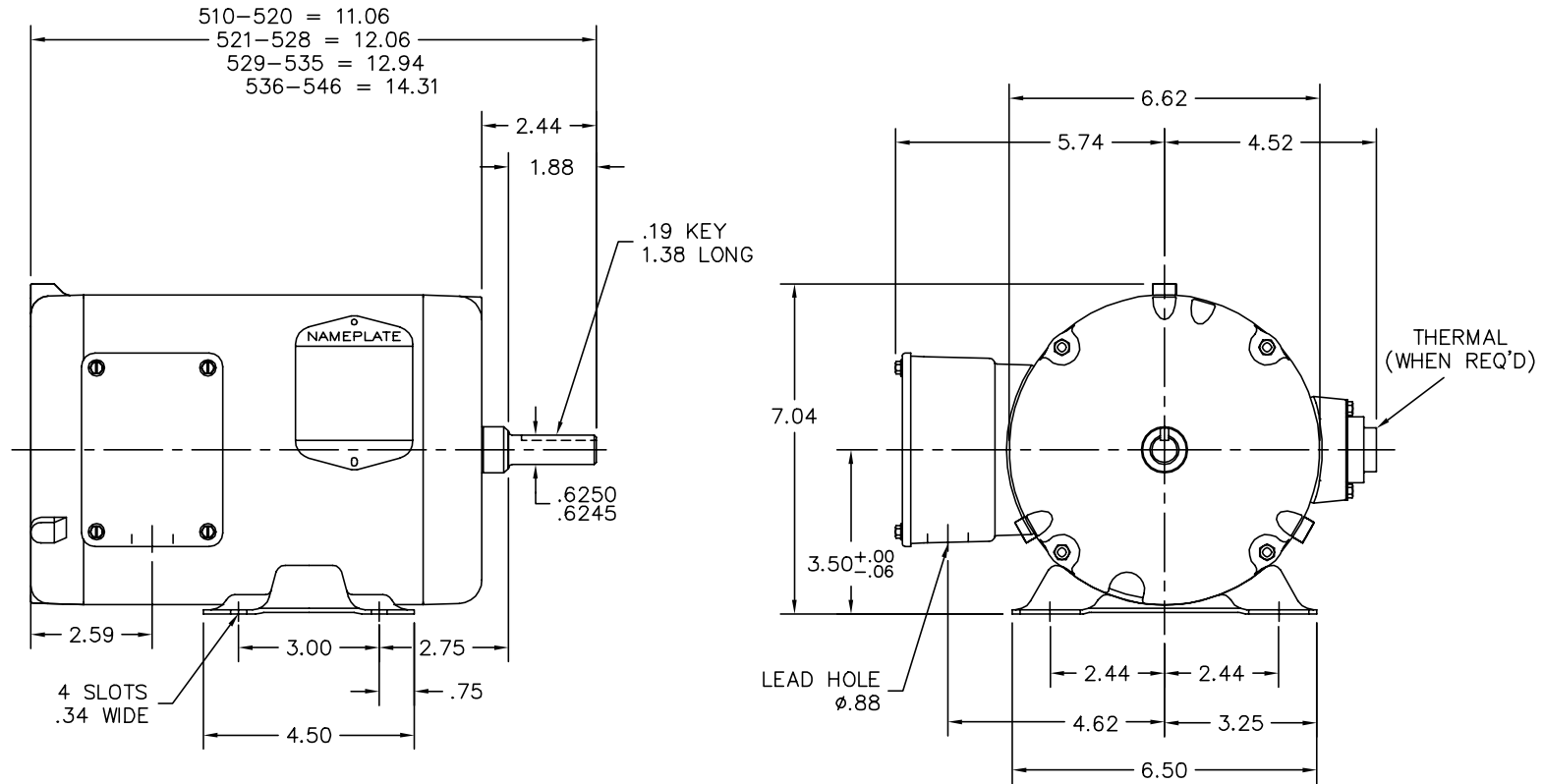
Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	24	38	50	59	65	70	63
Efficiency	64	75.8	80.5	81.9	81.8	81.3	81.8
Speed	1191	1183	1173	1165	1154	1143	1158
Line amperes	0.784	0.833	0.905	1	1.12	1.24	1.07

Performance Graph at 460V, 60Hz, 0.5HP 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	

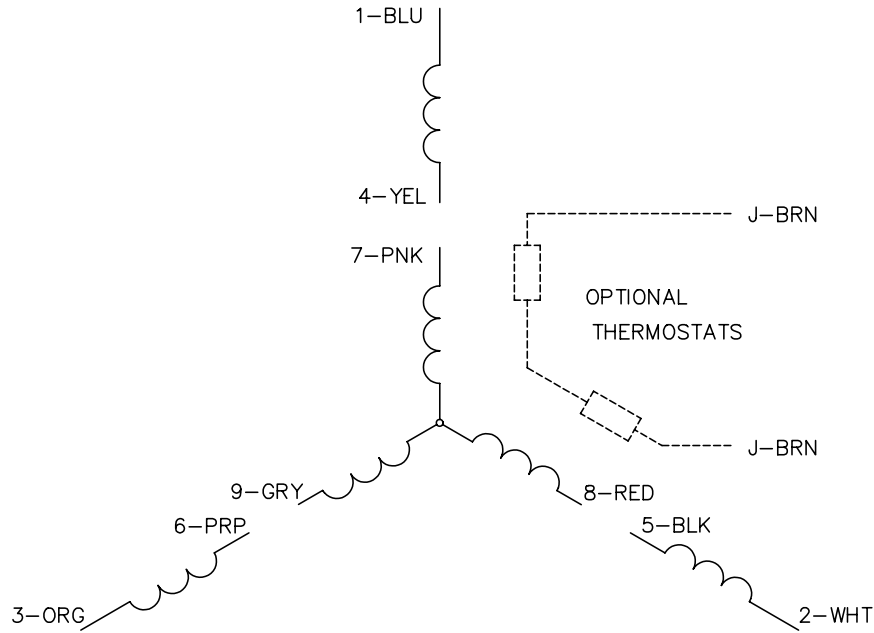
**BALDOR • DODGE • RELIANCE**

STD HORZ 56 TENV 35M

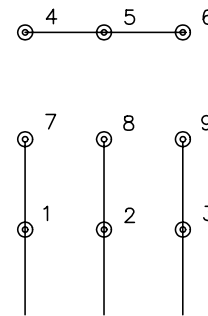
SH 1 of 1

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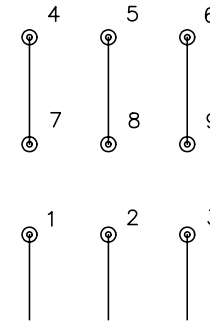


LOW VOLTAGE  
(2Y)



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