

BALDOR® • **RELIANCE**

Product Information Packet

NM3539

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

Part Detail							
Revision:	H	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:	02-01-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L												
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						

Parts List		
Part Number	Description	Quantity
SA166087	SA 35A026Q207G1	1.000 EA
RA154468	RA 35A026Q207G1	1.000 EA
S/P111-000-002	CORONA TEST, SUPER E MOTORS - FT. SMITH	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35EP3100M69	STD FR EP-TENV-35L OR M--203 BRG	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 36585 - Typical performance - not guaranteed values

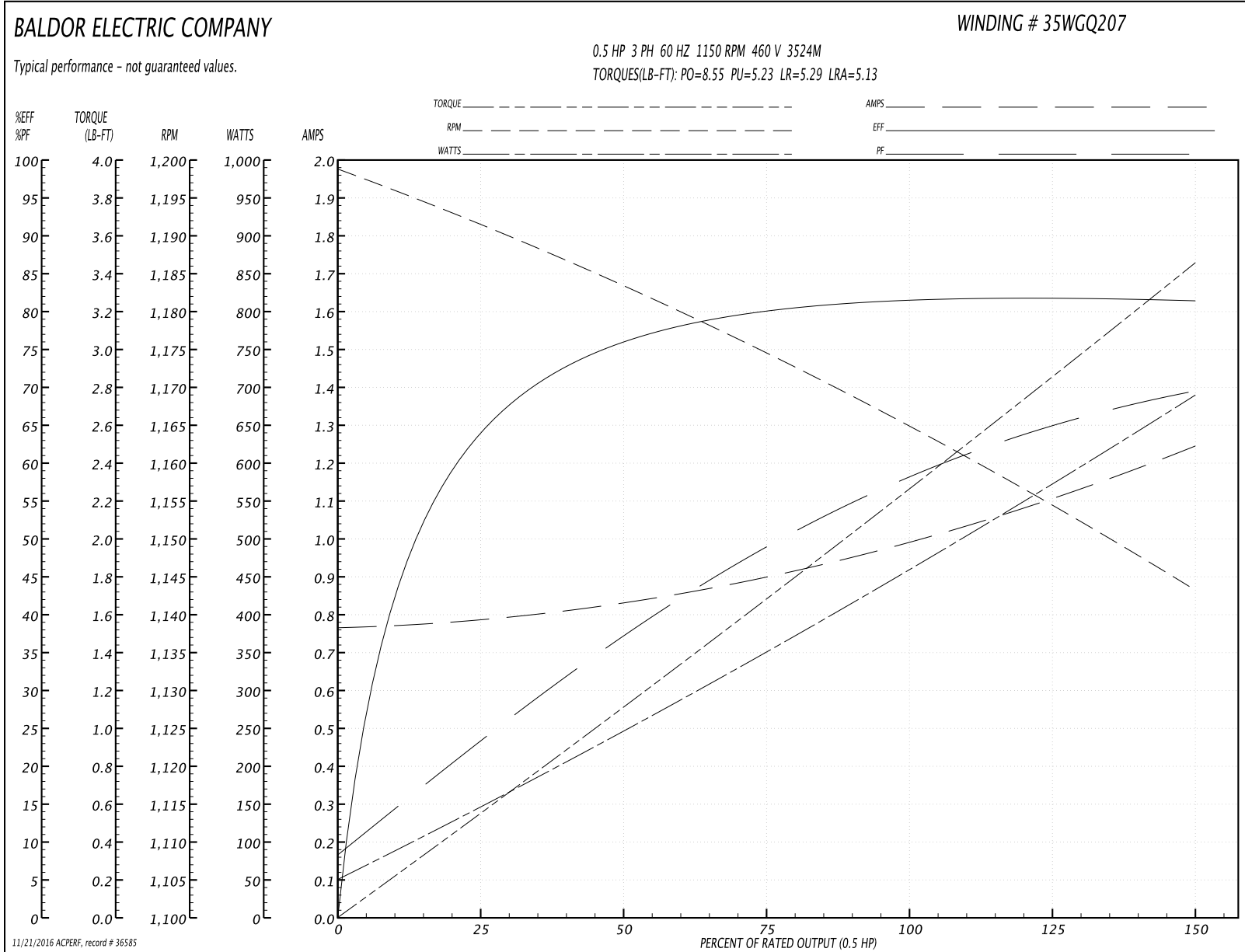
Winding: 35WGQ207-R012	Type: 3524M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	2.31 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2/1			Breakdown Torque	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	
				Locked-rotor Power Factor	44
				Rotor inertia	0.142 LB-FT ²

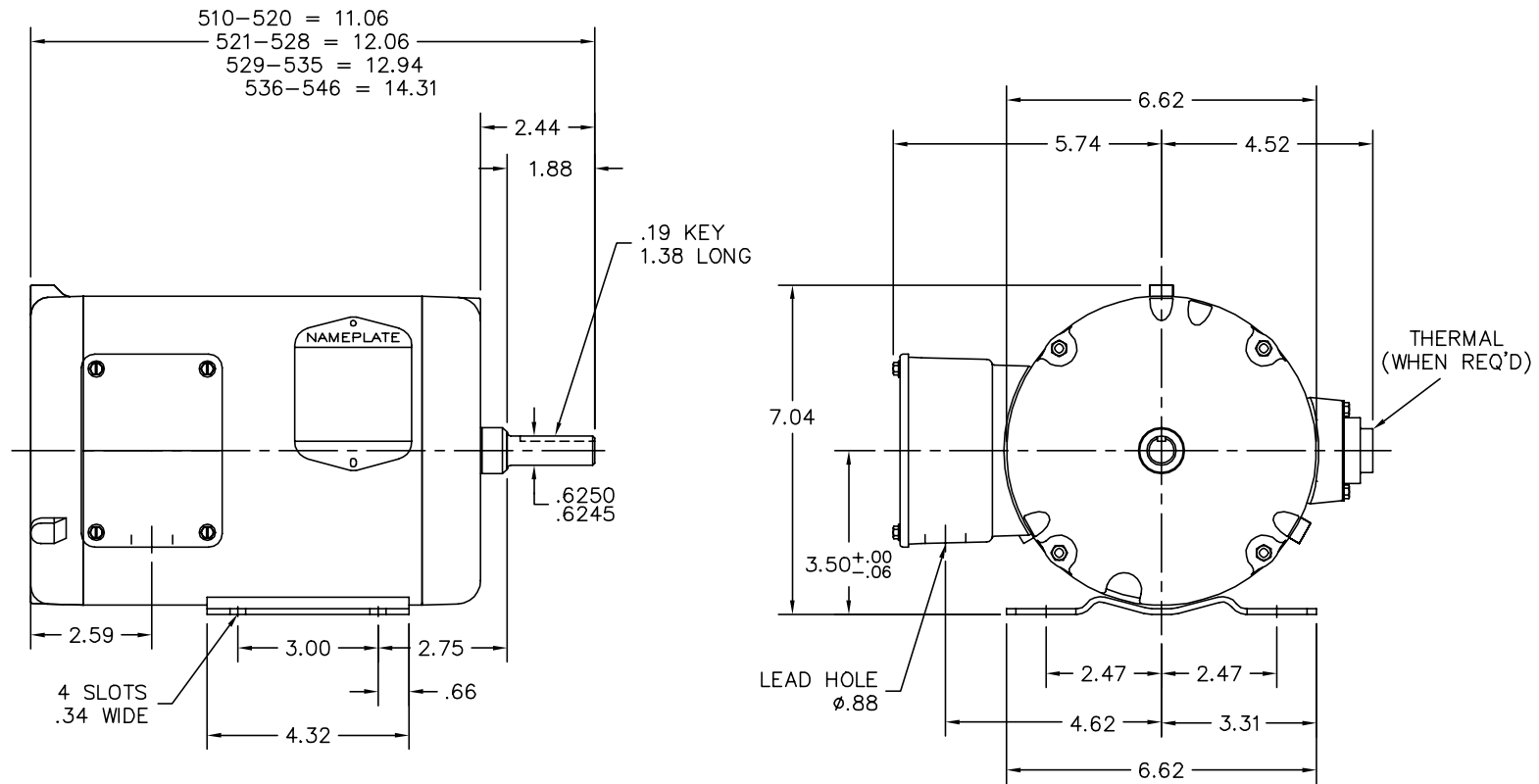
Load Characteristics 460 V, 60 Hz, 0.5 HP

% 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: REPLACE 35SB0008 W/35SB2081 & 35BA4010 IN MECH DWG		
REV. LTR: M	VERSION: 04	TDR: 000000968021
FILE: \AAA\00002\477	REVISED: 07: 50: 07 02/26/2016	BY: FGCHAH1
MTL: -	©	

BALDOR

STD HORZ 56 TENV 35M

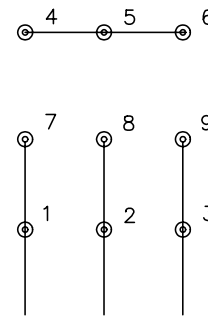
SH 1 of 1

35LYA026

CD0005

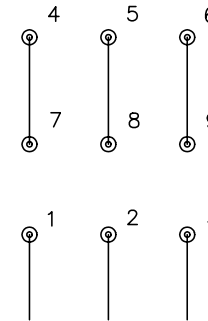


LOW VOLTAGE
(2Y)



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
900003		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005