

BALDOR® • RELIANCE

Product Information Packet

NM3542

.75HP,1750RPM,3PH,60HZ,56,3514M,TENV,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3514M	Elec. Spec:	35WGP672	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35A026	Layout:	35LYA026
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	02-20-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-12-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	NM3542										
SPEC.	35A026P672G1										
HP	.75										
VOLTS	230/460										
AMP	2.8/1.4										
RPM	1750										
FRAME	56				HZ		60			PH	3
SER.F.	1.25				CODE	M	DES		B	CLASS	F
NEMA-NOM-EFF	78.5					PF	66				
RATING	40C AMB-CONT										
CC				USABLE AT 208V							3
DE	6205				ODE		6203				
ENCL	TENV				SN						
	SFA 3/1.5										

AC Induction Motor Performance Data

Record # 31358 - Typical performance - not guaranteed values

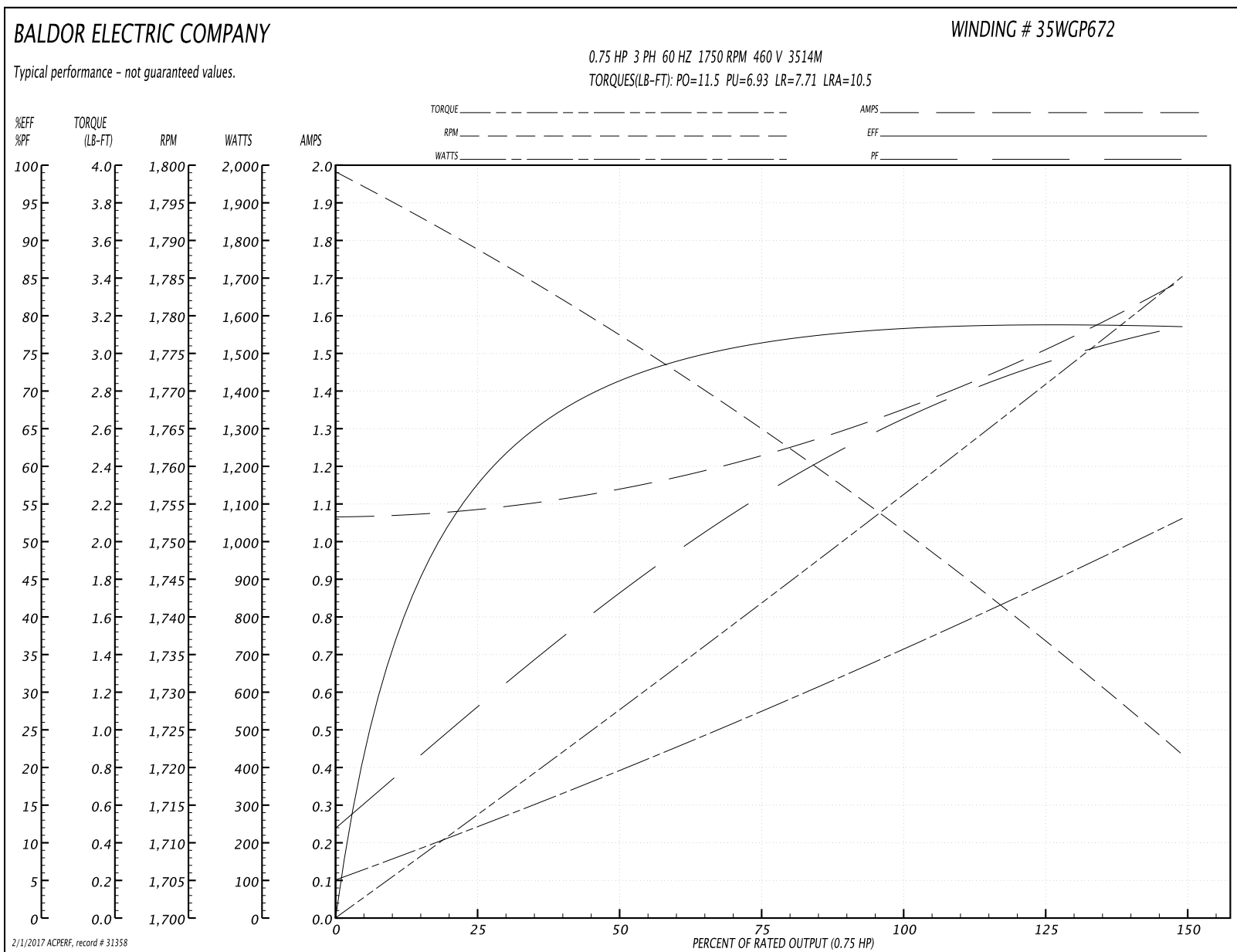
Winding: 35WGP672-R002	Type: 3514M	Enclosure: TENV
-------------------------------	--------------------	------------------------

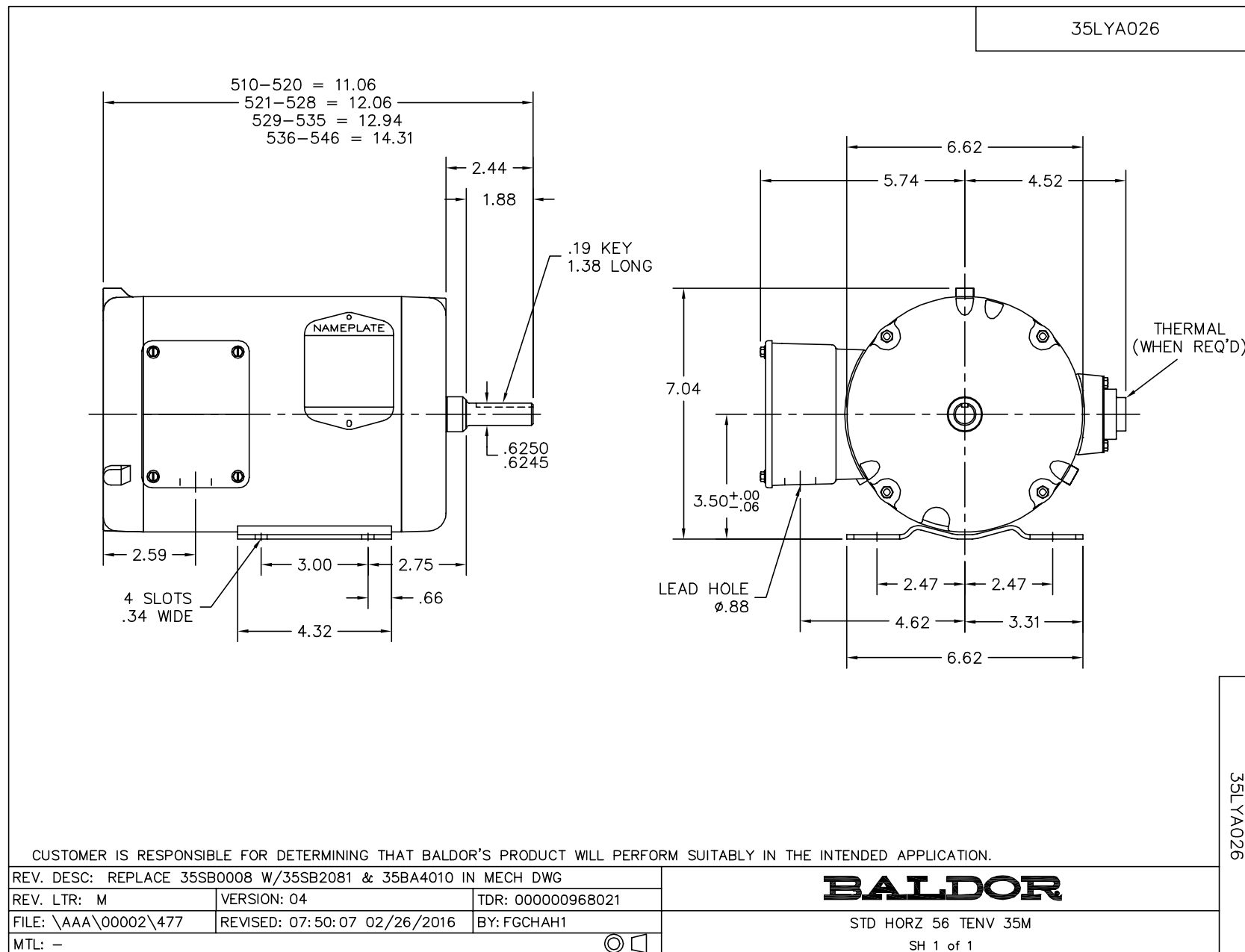
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.26 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.8/1.4			Breakdown Torque	11.5 LB-FT
R.P.M.	1750			Pull-up Torque	6.93 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.71 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	10.5 A
Service Factor (S.F.)	1.25			No-load Current	1.07 A
NEMA Nom. Eff.	78.5	Power Factor	66	Line-line Res. @ 25°C	21.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	3/1.5			Temp. Rise @ S.F. Load	

Load Characteristics 460 V, 60 Hz, 0.75 HP

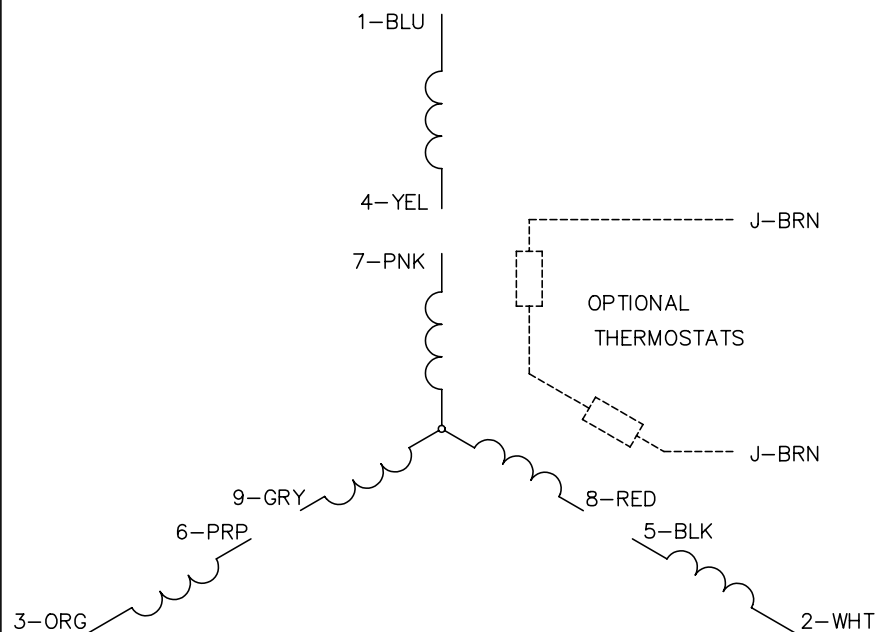
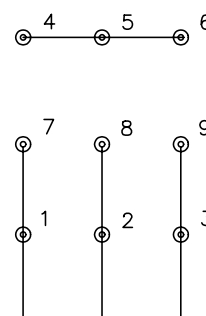
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	44	56	66	74	79	74
Efficiency	57.7	71.7	76.6	78.6	79	78.6	79
Speed	1789	1777	1766	1751	1736	1722	1736
Line amperes	1.08	1.14	1.22	1.36	1.52	1.69	1.52

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values

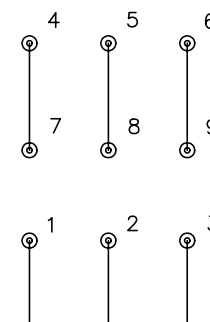




CD0005


 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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005