

BALDOR® • RELIANCE

Product Information Packet

AOM3558T

2 AIR OVERHP,1735RPM,3PH,60HZ,145T,3523M

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3523M	Elec. Spec:	35WGP805	CD Diagram:	CD0005
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35K695	Layout:	35LYK695
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	08-13-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-02-2015
Leads:	9#18 36" LG Y					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L							
CAT.NO.	AOM3558T						
SPEC.	35K695P805G1						
HP	2 AIR OVER						
VOLTS	208-230/460						
AMP	6.5-6/3						
RPM	1735						
FRAME	145T	HZ	60	PH	3		
SER.F.	1.00	CODE	L	DES	B	CLASS	F
NEMA-NOM-EFF	82.5	PF	76				
RATING	40C AMB-CONT						
CC		USABLE AT 208V					
DE	6205	ODE	6203				
ENCL	TEAO	SN					
	1500 FPM AT 66 CFM						

Parts List		
Part Number	Description	Quantity
SA201429	SA 35K695P805G1	1.000 EA
RA188728	RA 35K695P805G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	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
35EP3100M68	STD FR EP-TENV-35L OR M--203 BRG-W/GREAS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A08	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	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

Parts List (continued)		
Part Number	Description	Quantity
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 36567 - Typical performance - not guaranteed values

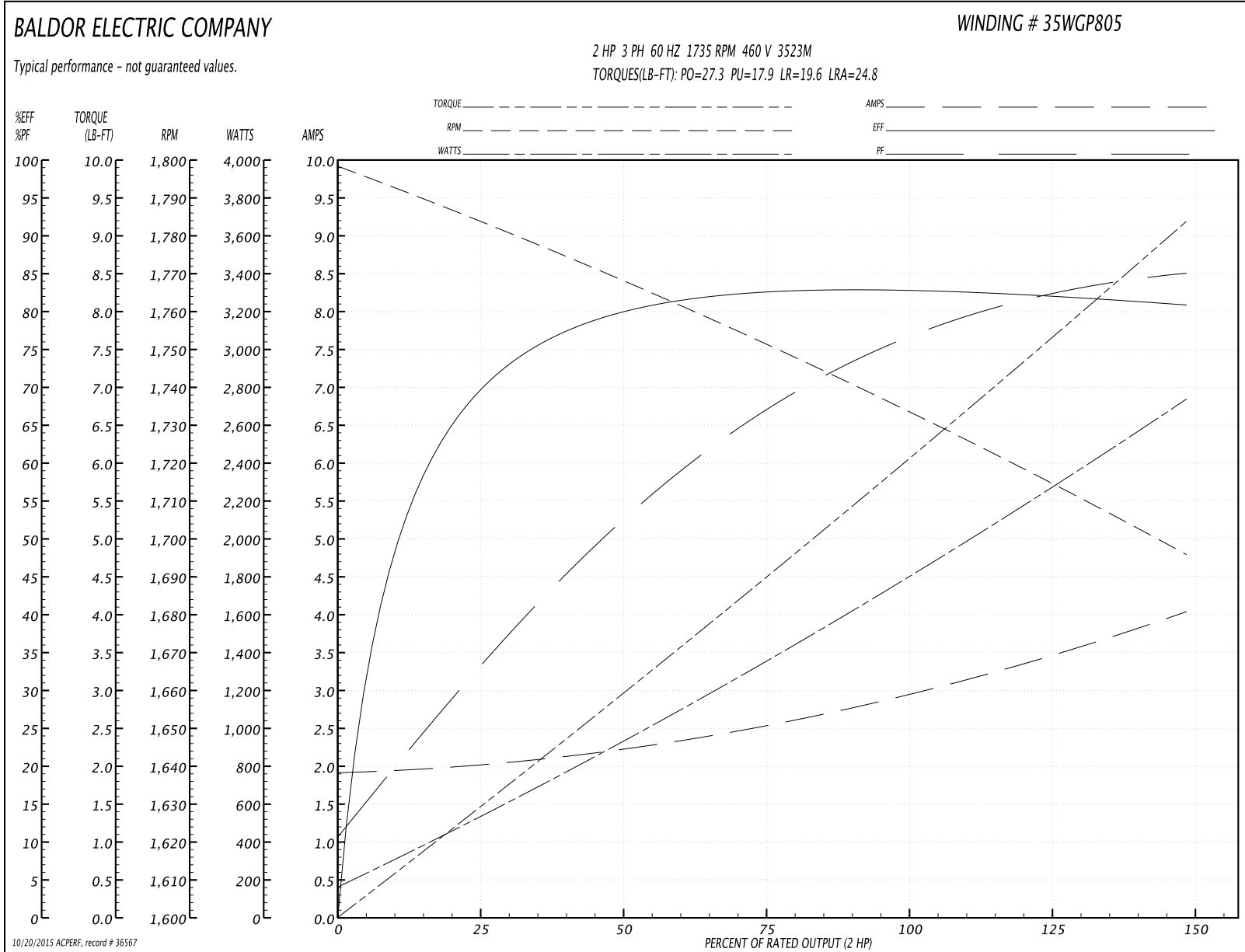
Winding: 35WGP805-R010	Type: 3523M	Enclosure: TEAO
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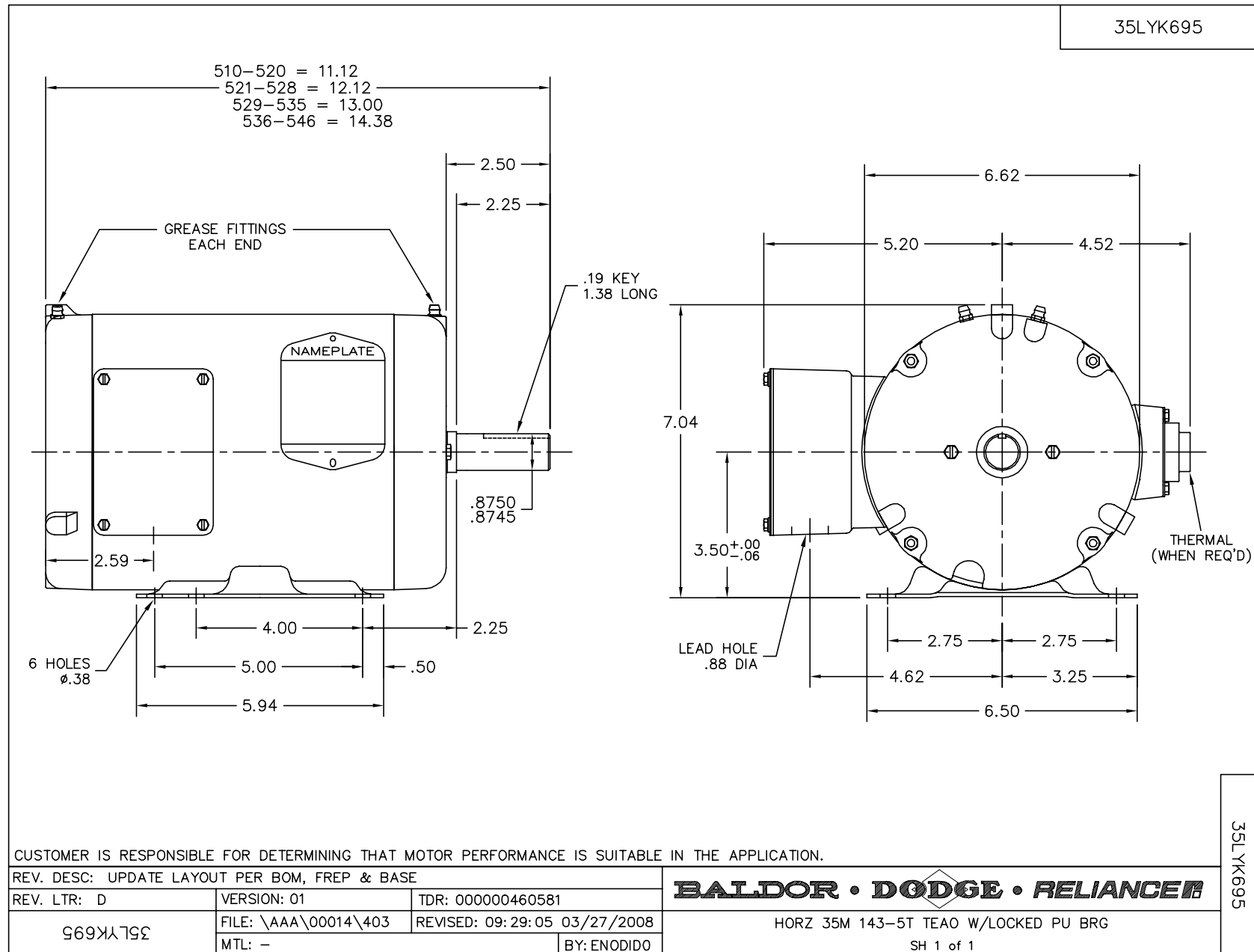
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2 AIR OVER			Full Load Torque	6.05 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	6.5-6/3			Breakdown Torque	27.3 LB-FT
R.P.M.	1735			Pull-up Torque	17.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.6 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.8 A
Service Factor (S.F.)	1			No-load Current	1.93 A
NEMA Nom. Eff.	82.5	Power Factor	76	Line-line Res. @ 25°C	8.53 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C
S.F. Amps				Temp. Rise @ S.F. Load	85°C
				Rotor inertia	0.136 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

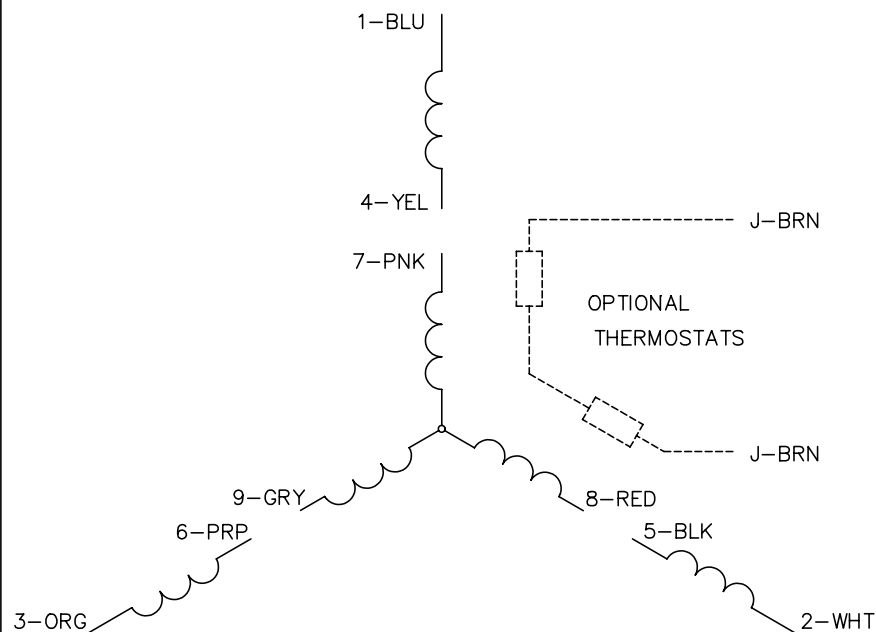
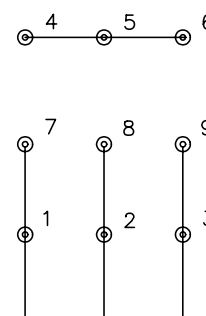
% of Rated Load	25	50	75	100	125	150
Power Factor	33	53	67	76	82	86
Efficiency	69.1	79.2	82.5	83	82.4	80.7
Speed	1783	1769	1752	1733	1717	1695
Line amperes	2	2.2	2.53	2.96	3.45	4.03

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

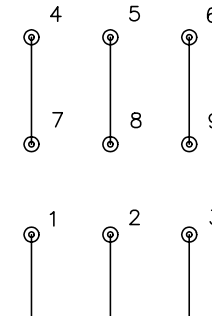




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005