

BALDOR® • RELIANCE

Product Information Packet

AOM3558T

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

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	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:	12-09-2016
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										

AC Induction Motor Performance Data

Record # 36567 - Typical performance - not guaranteed values

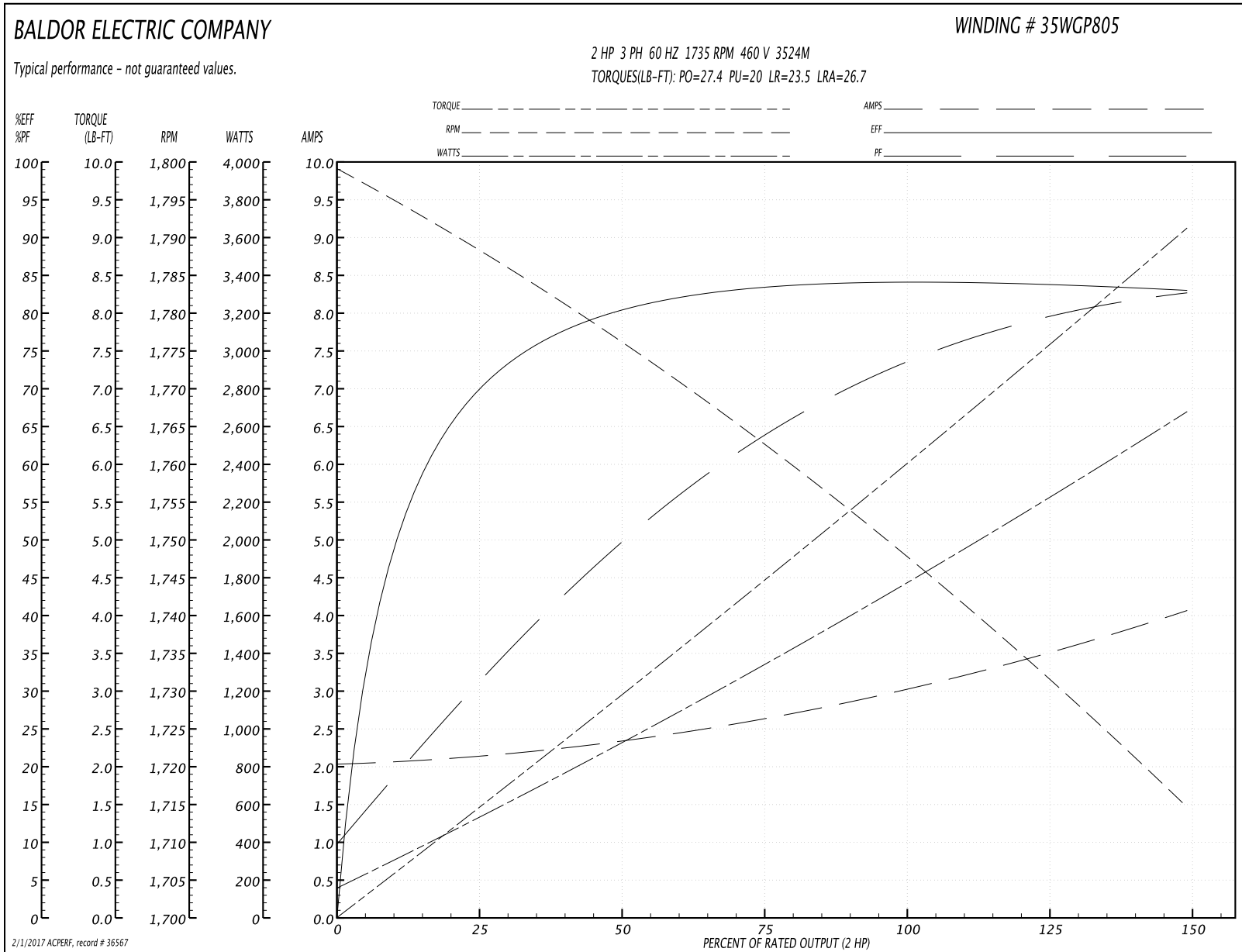
Winding: 35WGP805-R010	Type: 3524M	Enclosure: TEAO
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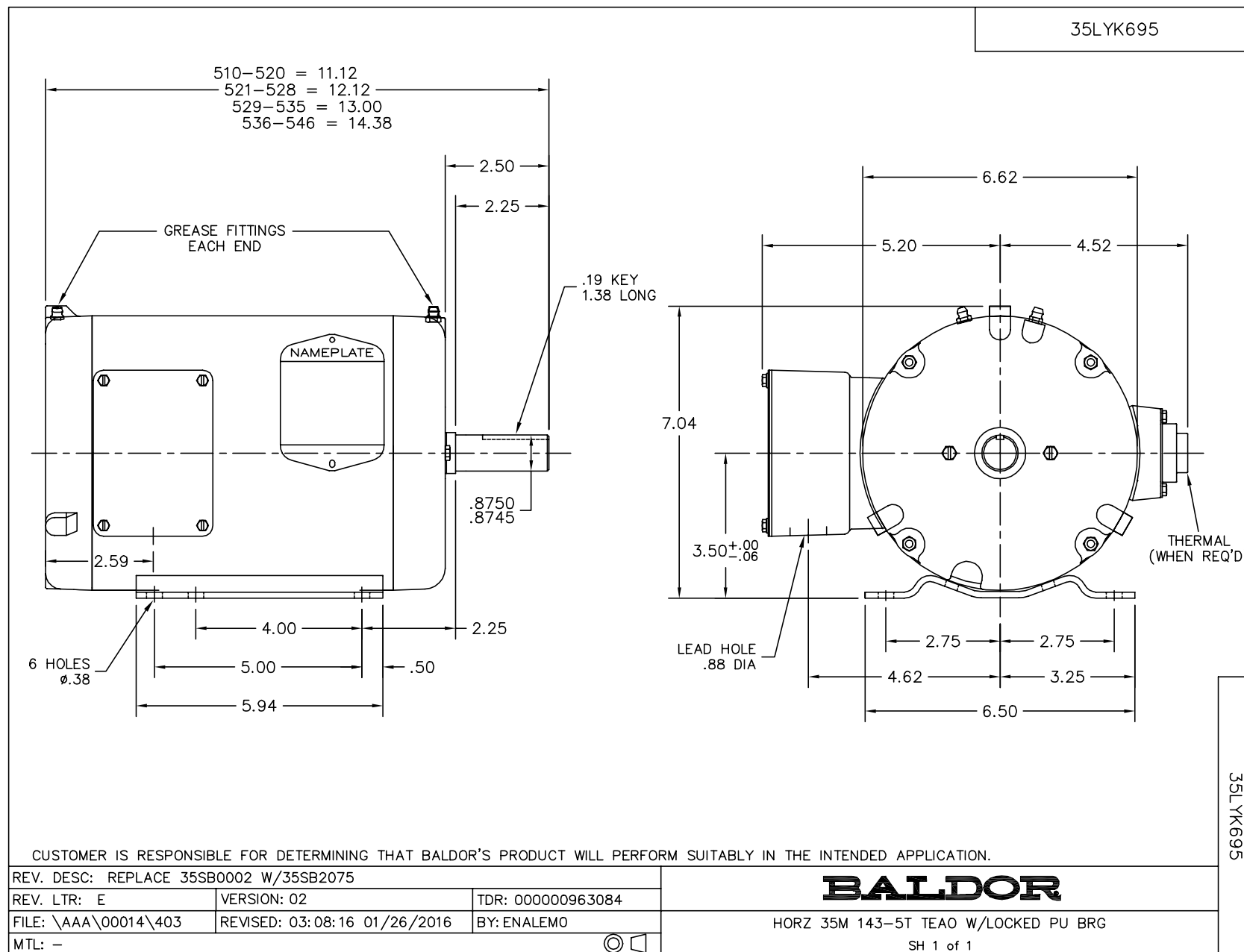
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2 AIR OVER			Full Load Torque	5.98 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	6.5-6/3			Breakdown Torque	27.4 LB-FT
R.P.M.	1735			Pull-up Torque	20 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	23.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	26.7 A
Service Factor (S.F.)	1			No-load Current	2.05 A
NEMA Nom. Eff.	82.5	Power Factor	76	Line-line Res. @ 25°C	7.95 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C
				Locked-rotor Power Factor	61.3
				Rotor inertia	0.142 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

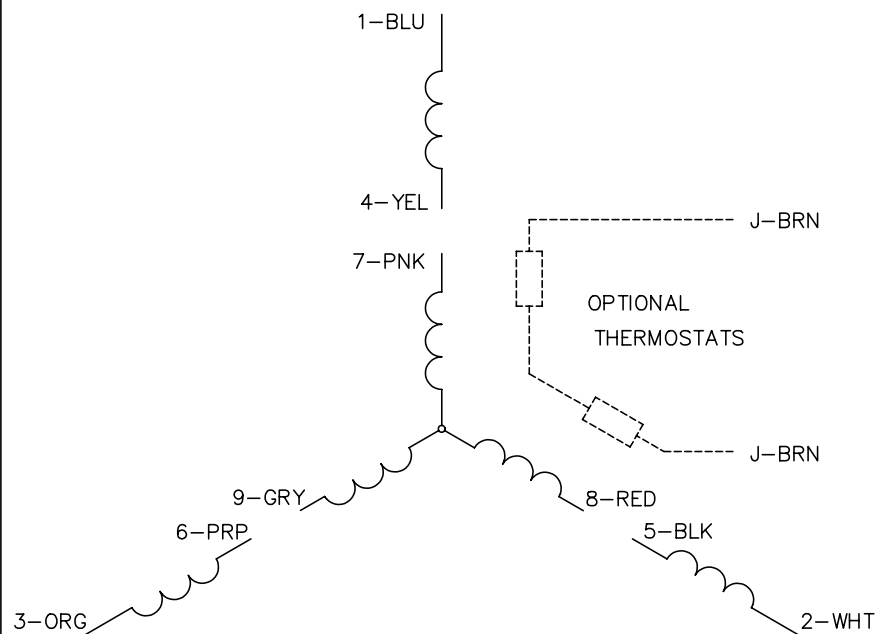
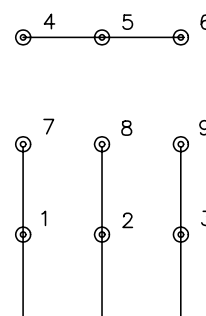
% of Rated Load	25	50	75	100	125	150
Power Factor	31	50	64	73	79	83
Efficiency	69	80.2	83.4	84.3	83.8	83
Speed	1789	1776	1763	1749	1731	1715
Line amperes	2.12	2.32	2.62	3.04	3.51	4.05

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

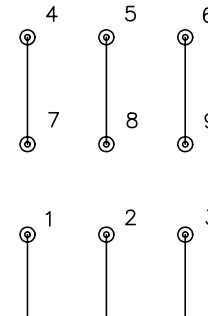




CD0005

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