

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **AOM3558T**

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

Part Detail							
Revision:	H	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:	11-10-2016
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									

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
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
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
HW2501D13	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
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

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

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

**AC Induction Motor Performance Data**

Record # 36567 - Typical performance - not guaranteed values

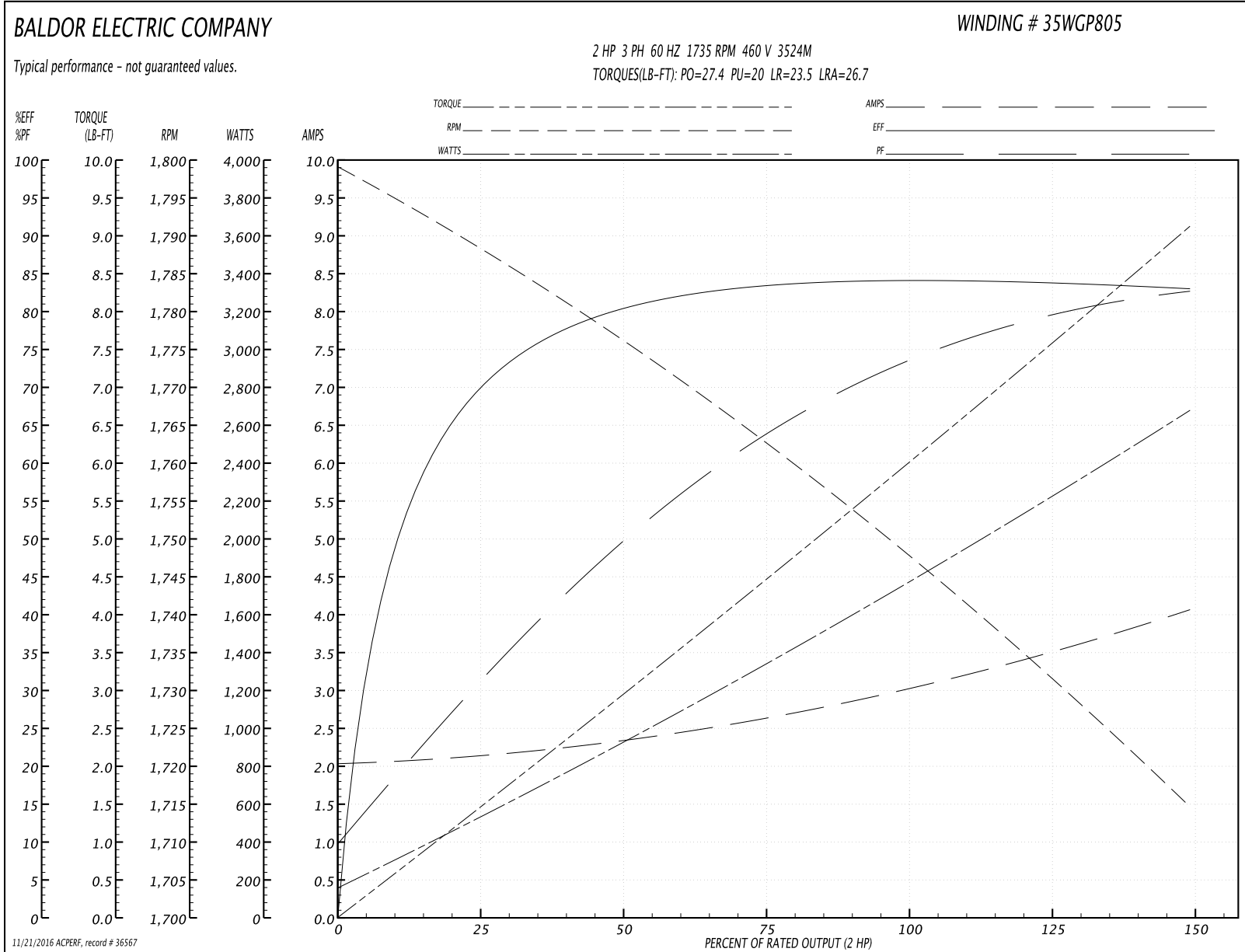
<b>Winding:</b> 35WGP805-R010	<b>Type:</b> 3524M	<b>Enclosure:</b> TEAO
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2 AIR OVER			Full Load Torque	5.98 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full 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 <sup>2</sup>

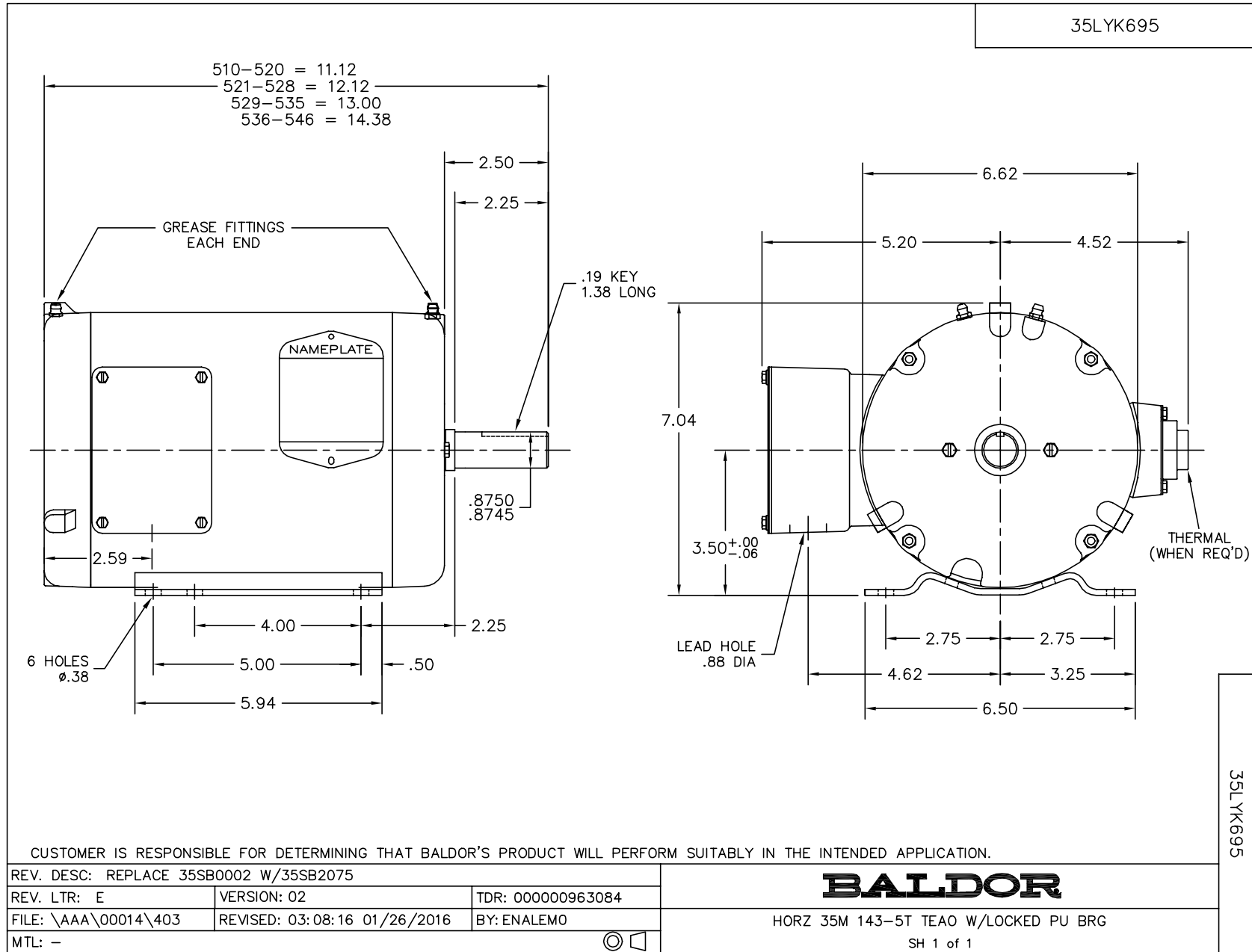
Load Characteristics 460 V, 60 Hz, 2 HP

% 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



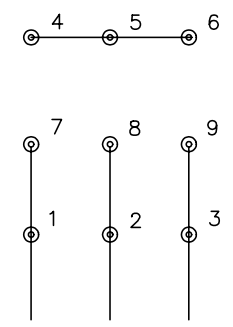




CD0005

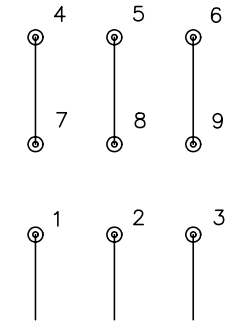


LOW VOLTAGE  
(2Y)



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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005