

BALDOR • RELIANCE

Customer information packet

AOM3558T

2 AIR OVERHP, 1735RPM, 3PH, 60HZ, 145T, 3524M

Class - None

Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	145T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.500 A @ 208.0 V 6.000 A @ 230.0 V 3.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	L
Type	AC
Mech. spec.	35K695
Base	
Status	PRD/A
Elec. spec.	35WGP805
Layout	35LYK695
Eff. date	06-29-2018
CD Diagram	CD0005
Poles	04
Leads	9#18 36" LG Y
Proprietary	False
Created date	08-13-2010

Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3524M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.12 IN
Power Factor	76
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1735 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Winding Thermal 1

None

Winding Thermal 2

None

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									

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: 3524M	Enclosure: TEAO	
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	Locked-rotor Torque	23.5 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	26.7 A	
Service Factor (S.F.)	1	No-load Current	2.05 A	
NEMA Nom. Eff.	82.5 Power Factor	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

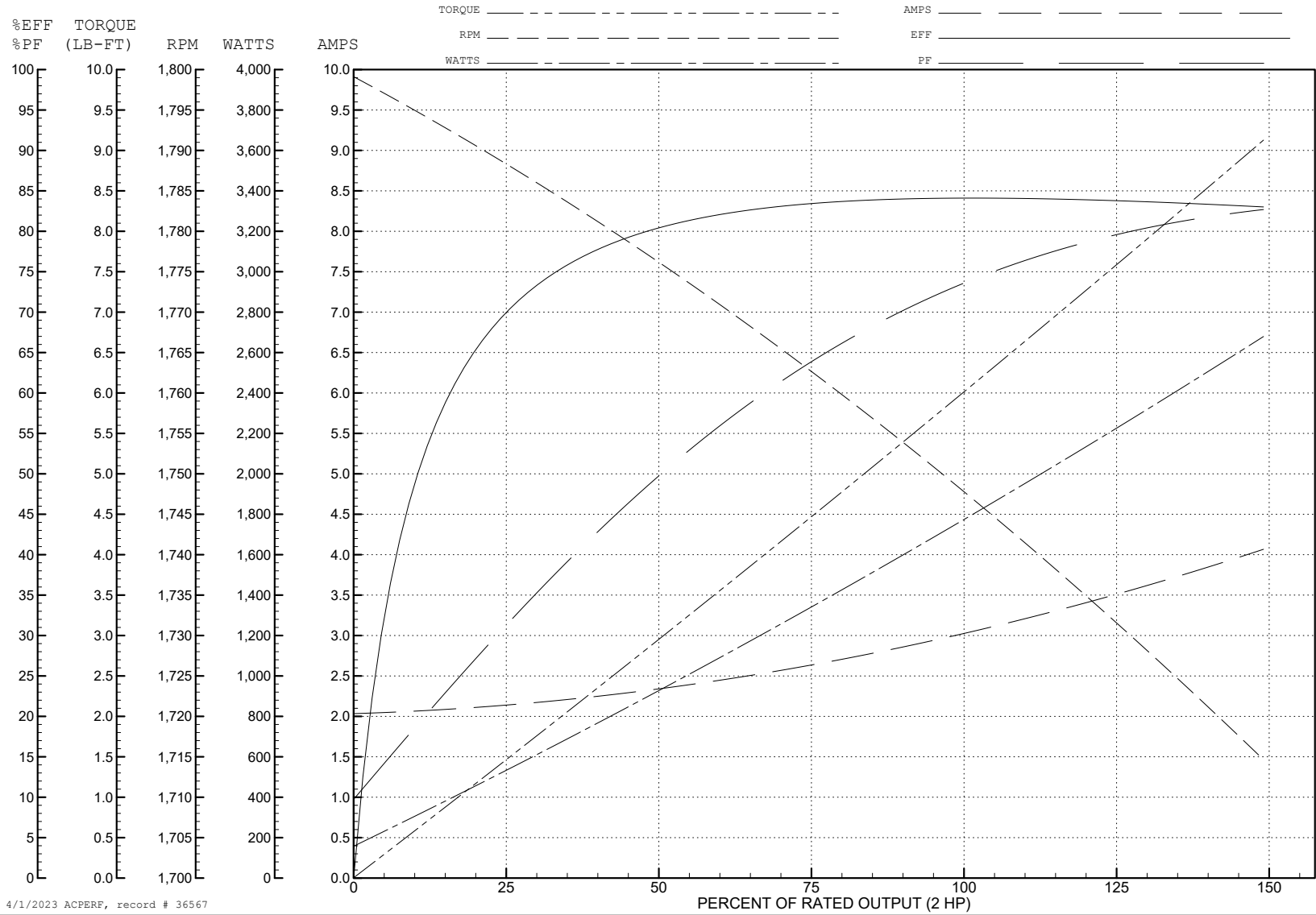
ABB Motors and Mechanical Inc.

WINDING # 35WGP805

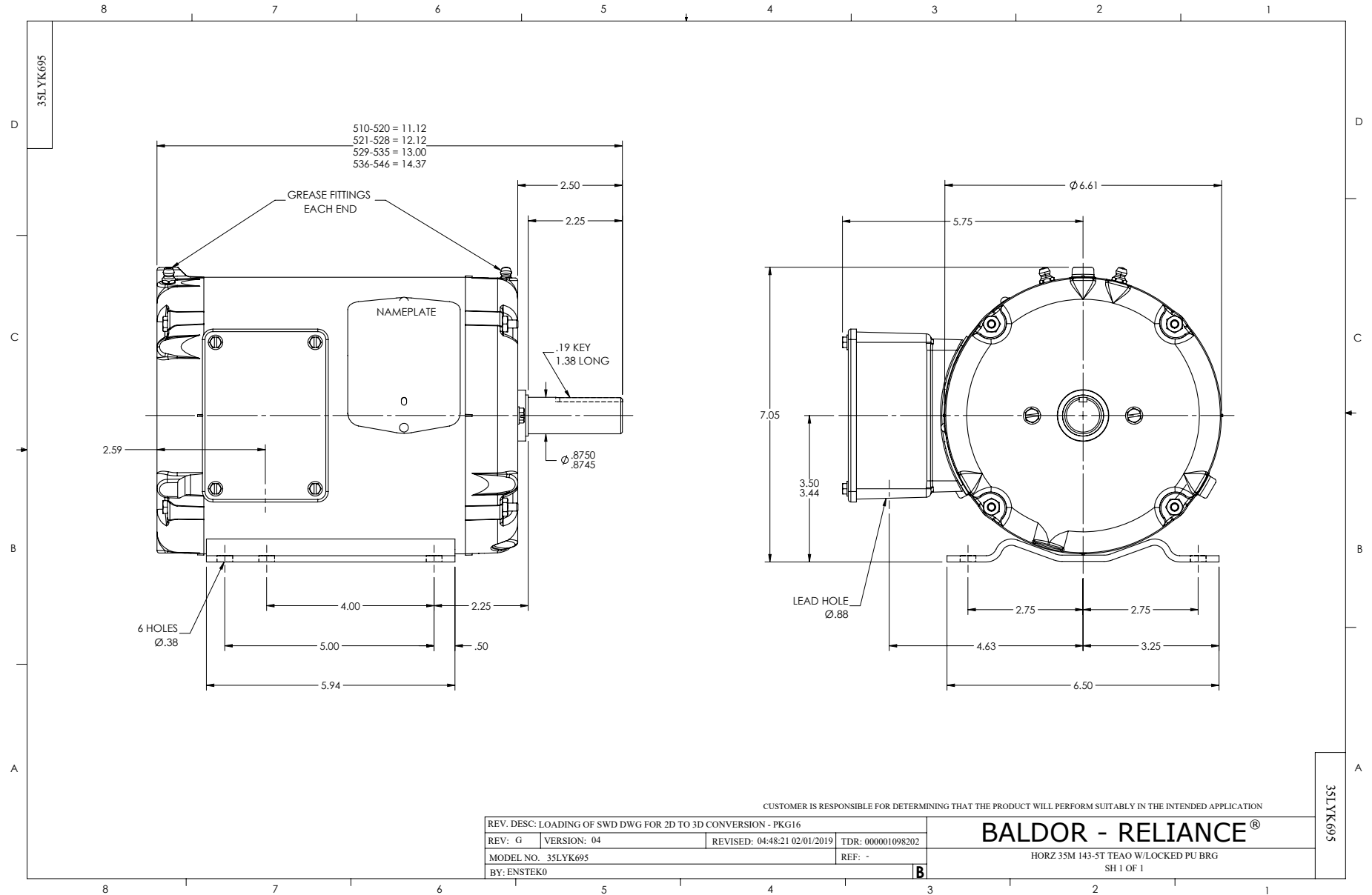
Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1735 RPM 460 V 3524M

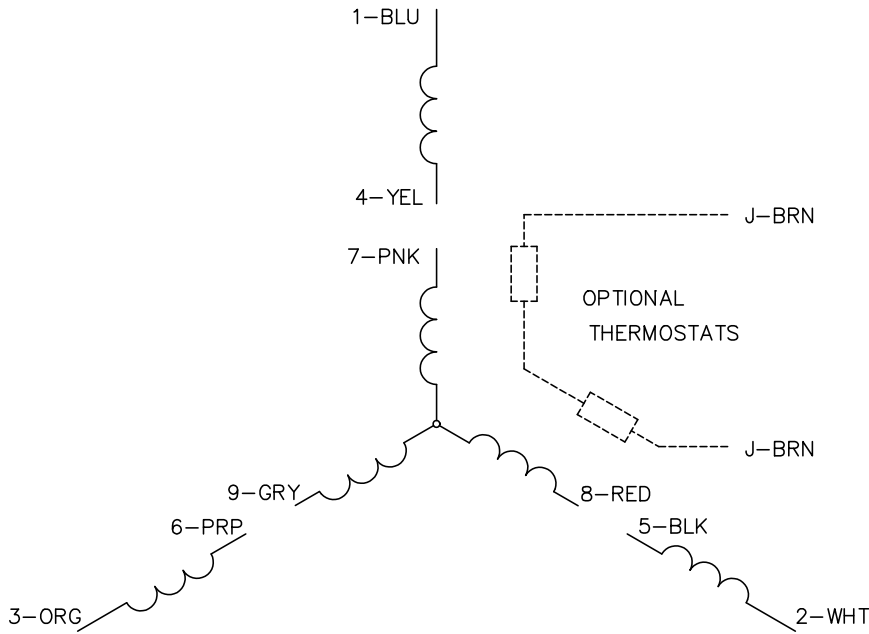
TORQUES (LB-FT): PO=27.4 PU=20 LR=23.5 LRA=26.7



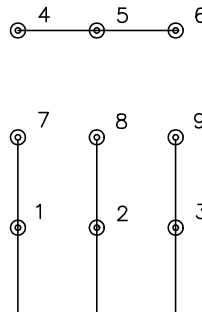
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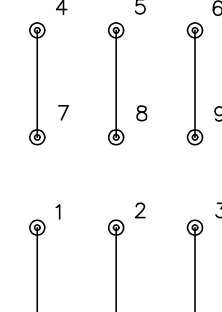


LOW VOLTAGE
(2Y)



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS