

# **BALDOR**® • *RELIANCE*

## **Product Information Packet**

# **CUHL3518**

**.5HP, 1725RPM, 1PH, 60HZ, 56C, 3520L, TEFC, F3**

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520L	Elec. Spec:	35WGN406	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X061	Layout:	35LYX061
Frame:	56C	Mounting:	F3	Poles:	04	Created Date:	09-17-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-10-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1372L										
CAT.NO.	CUHL3518									
SPEC.	35X061N406G1									
HP	.5									
VOLTS	115/208-230									
AMP	7.4/3.5-3.7									
RPM	1725									
FRAME	56C				HZ	60			PH	1
SER.F.	1.15		CODE	M	DES	N		CL	F	
NEMA-NOM-EFF	68		PF	65						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6205				ODE	6203				
ENCL	TEFC		SN							
	IP44									

**AC Induction Motor Performance Data**

Record # 39785 - Typical performance - not guaranteed values

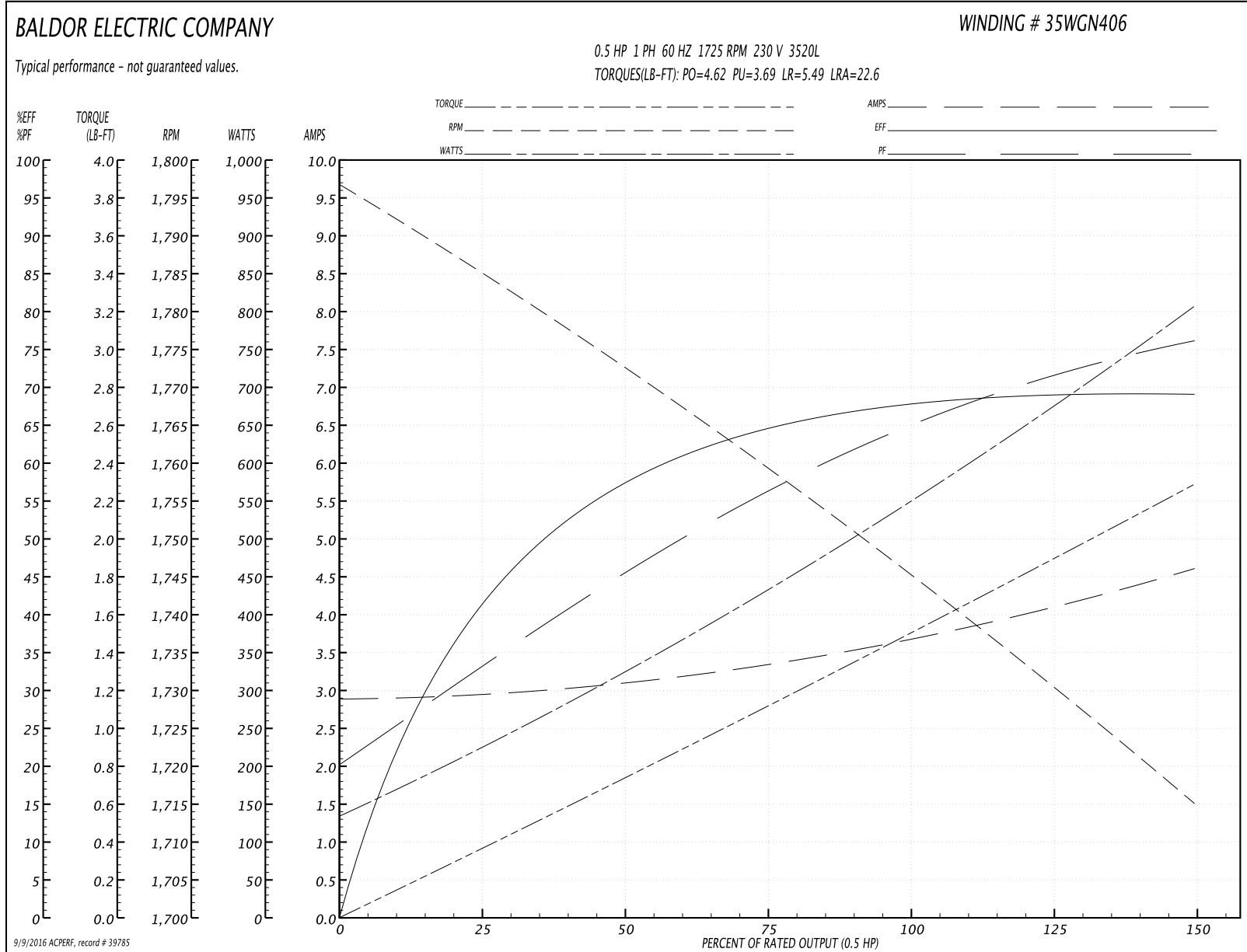
<b>Winding:</b> 35WGN406-R003	<b>Type:</b> 3520L	<b>Enclosure:</b> TEFC
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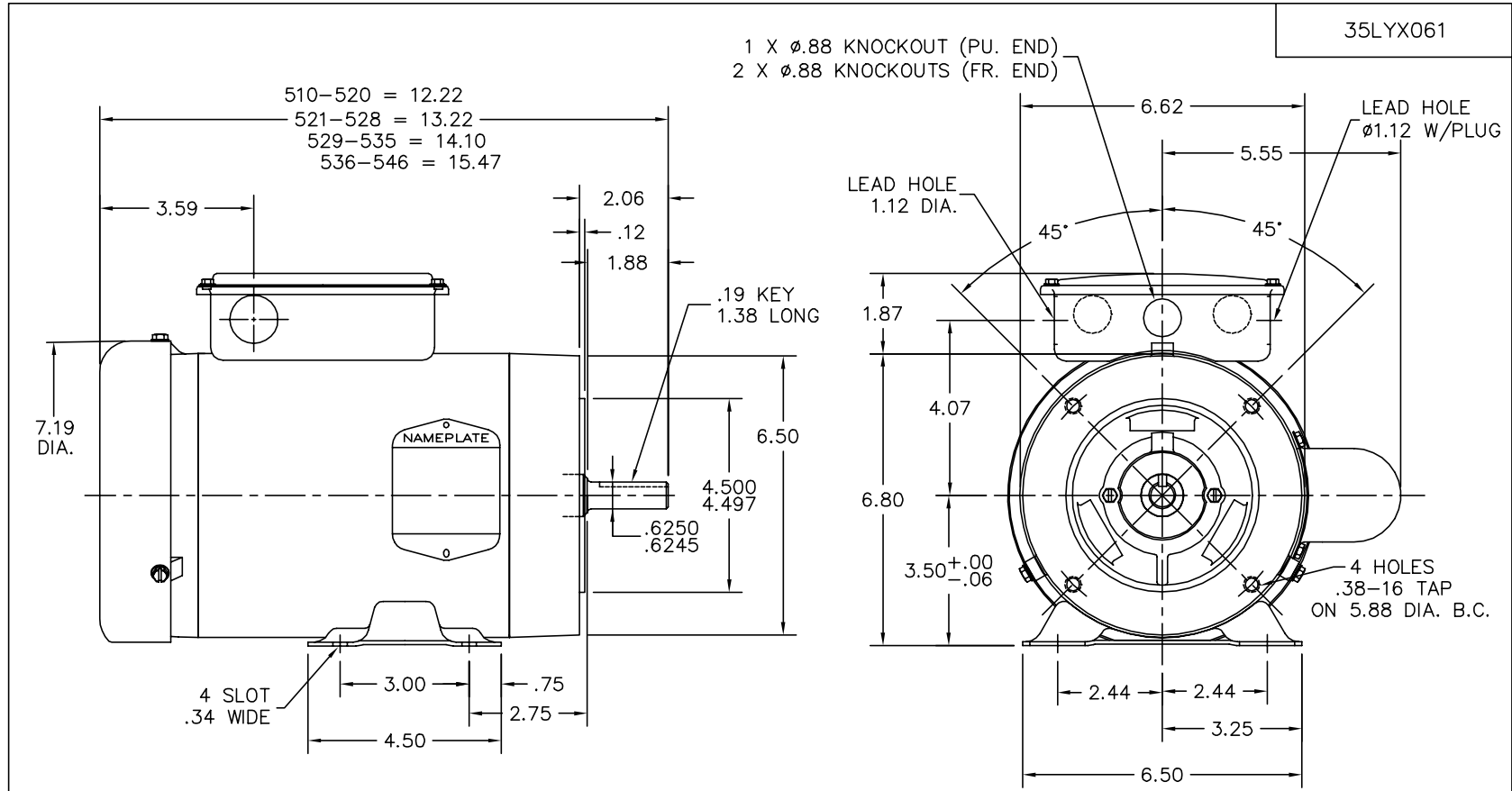
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.51 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	7.4/3.5-3.7			Breakdown Torque	4.62 LB-FT
R.P.M.	1725			Pull-up Torque	3.69 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.49 LB-FT
NEMA Design Code	N	KVA Code	M	Starting Current	22.6 A
Service Factor (S.F.)	1.15			No-load Current	2.89 A
NEMA Nom. Eff.	68	Power Factor	65	Line-line Res. @ 25°C	4.0781 Ω A Ph 2.4038 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps				Temp. Rise @ S.F. Load	75°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	46	56	65	71	76	69
Efficiency	41.6	57.1	64.6	68	69	69	68.6
Speed	1783.2	1772	1759.8	1745.9	1730.5	1714.5	1737
Line amperes	2.95	3.09	3.35	3.69	4.1	4.61	3.94

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

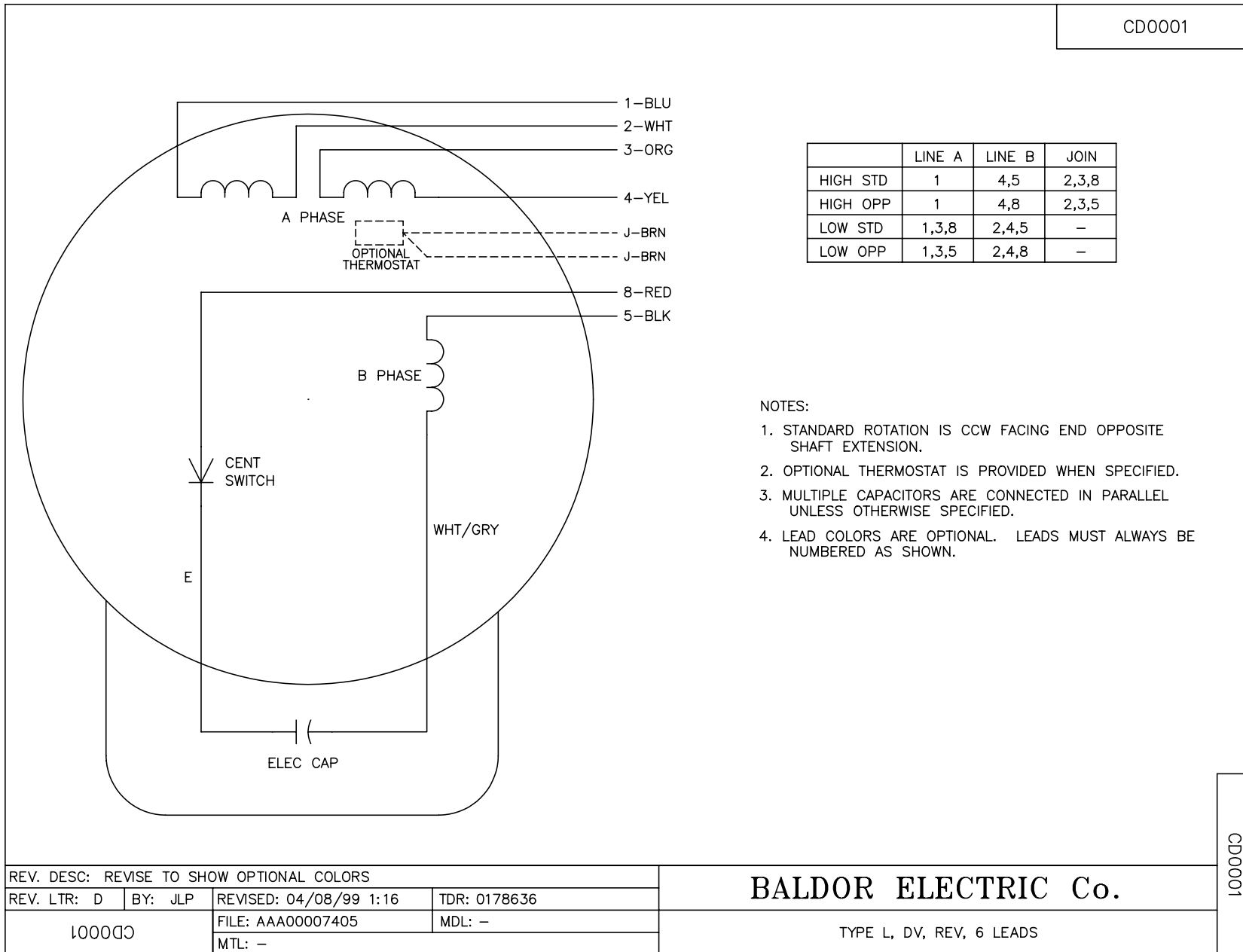
REV. DESC: NEW		
REV. LTR: -	VERSION: 00	TDR: 000000448458
190X179E	FILE: \AAA\00152\745	REVISED: 15:46:26 12/03/2007
	MTL: -	BY: ENALEMO

**BALDOR • DODGE • RELIANCE**

HOR 56C TEFC 35L F3 CAP @3, W/35CB4007 @ 12

35LYX061

CD0001



NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, 6 LEADS