

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **PCL3515M**

**2HP,3450RPM,1PH,60HZ,56C,3524LC,TEFC,F1**

Part Detail							
Revision:	AB	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524LC	Elec. Spec:	35WGY691	CD Diagram:	CD0320
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35T973	Layout:	35LYT973
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-07-2016
Leads:	4#16 A&J,2#18 B PH,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L	
CAT.NO.	PCL3515M
SPEC.	35T973Y691
HP	2
VOLTS	115/230
AMP	17.6/8.8
RPM	3450
FRAME	56C
SER.F.	1.15
NEMA-NOM-EFF	77
RATING	40C AMB-CONT
CC	USABLE AT 208V
DE	6205
ENCL	TEFC

CODE	F	DES	L	CL	F	PH	1
PF	95						
ODE	6203						
SN							

Parts List		
Part Number	Description	Quantity
SA111044	SA 35T973Y691	1.000 EA
RA102423	RA 35T973Y691	1.000 EA
OC3060C09	CYL OIL CAP 60MFD/240V	1.000 EA
TPCRJ51CB	THERMAL 1PH 1.00 MAN 120C	1.000 EA
EC1400A03SP	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007A17	35 CB .88 DIA @ 6:00, 1.00 MTO @ 3:00	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35EP3100M02	FREP TEFC 203 BRG W/O GRSR (RAISED FH MT	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35GS1030	35 GS FOR CB LID - LEXIDE	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
MG2000A02	RUST VETO-377-HF HOUGHTON	0.001 GA
SP5181A28	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

**AC Induction Motor Performance Data**

Record # 10291 - Typical performance - not guaranteed values

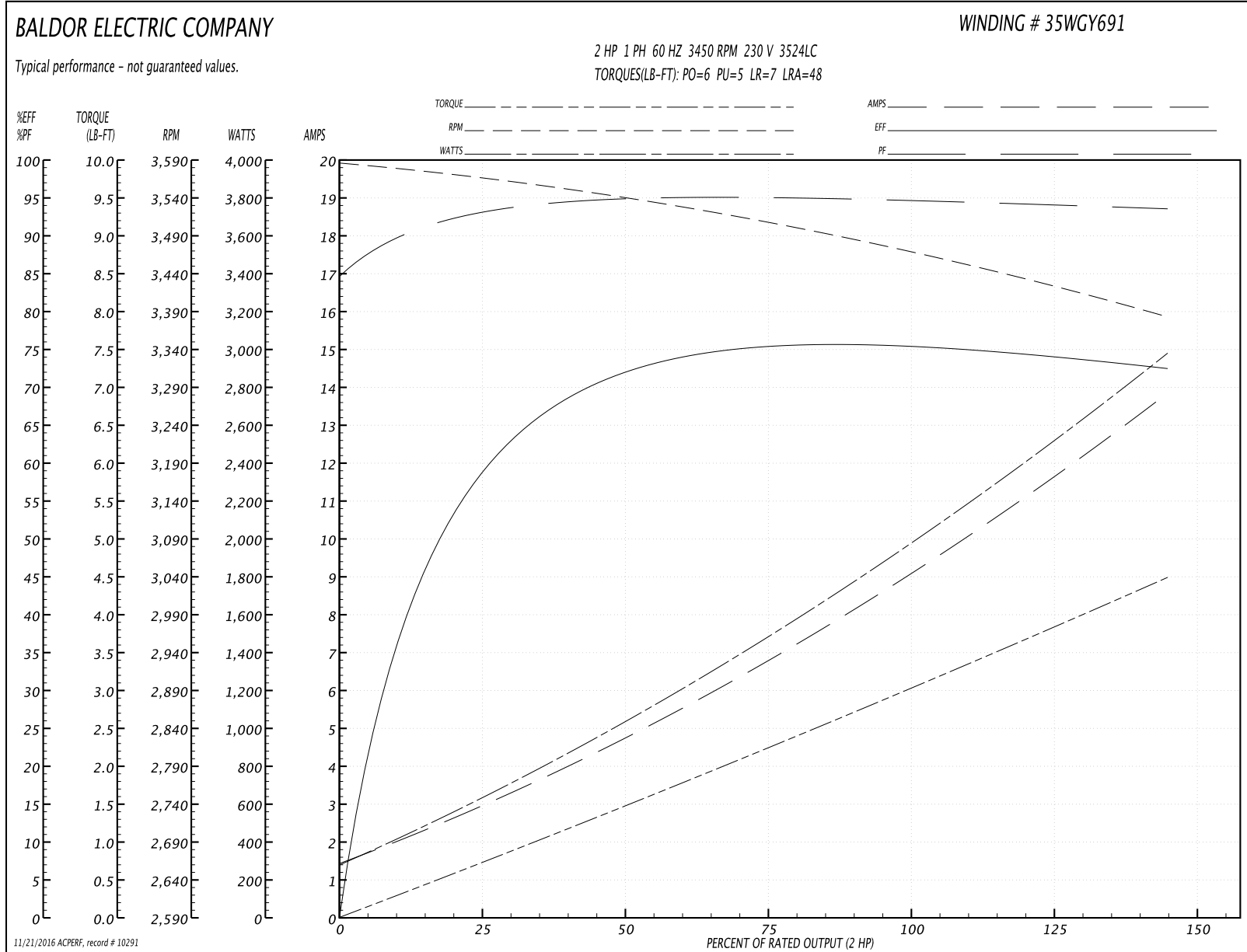
<b>Winding:</b> 35WGY691-R001	<b>Type:</b> 3524LC	<b>Enclosure:</b> TEFC
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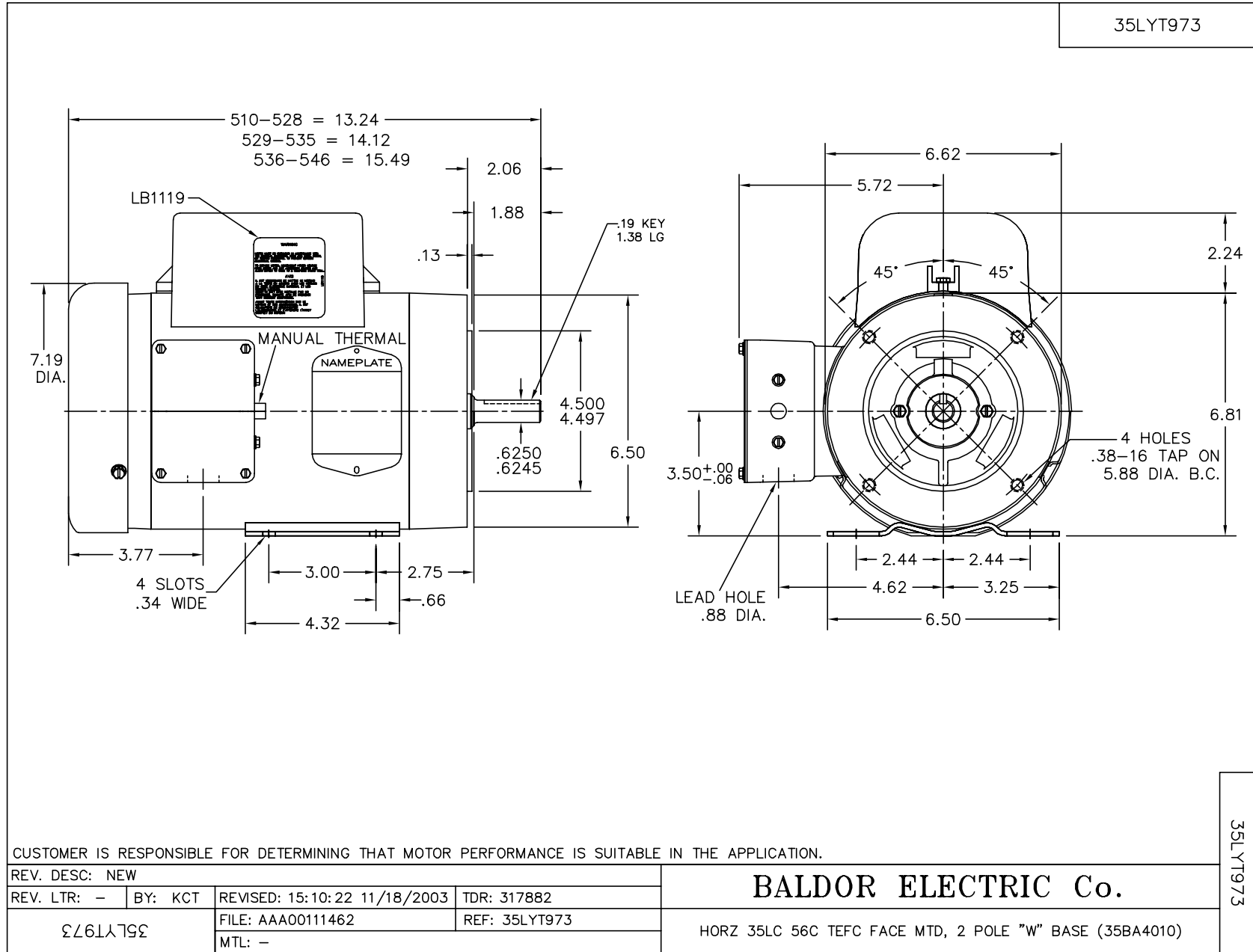
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	17.6/8.8			Breakdown Torque	6 LB-FT
R.P.M.	3450			Pull-up Torque	5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7 LB-FT
NEMA Design Code	L	KVA Code	F	Starting Current	48 A
Service Factor (S.F.)	1.15			No-load Current	1.35 A
NEMA Nom. Eff.	77	Power Factor	95	Line-line Res. @ 25°C	1.33 Ω A Ph 1.27 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	66°C
S.F. Amps				Temp. Rise @ S.F. Load	88°C

Load Characteristics 230 V, 60 Hz, 2 HP

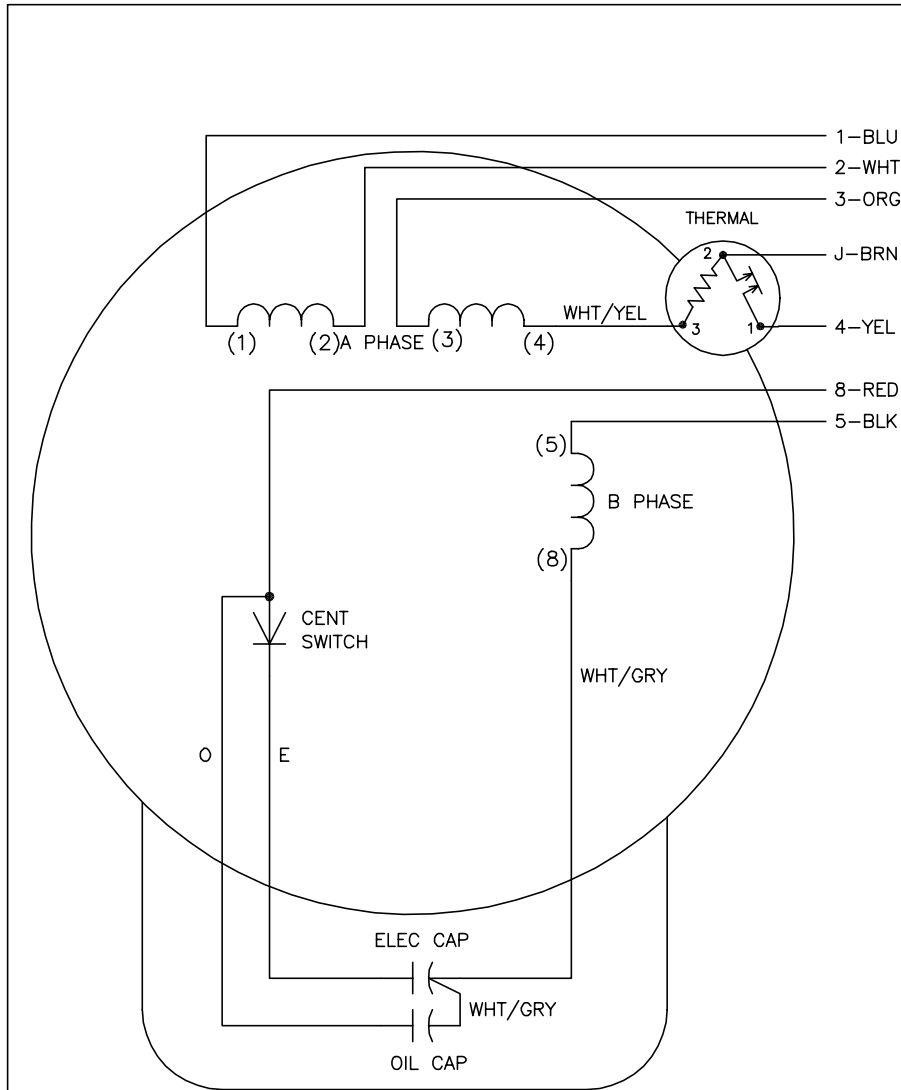
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	93	93	96	95	95	93	95
Efficiency	57	72	76	77	72.5	73	74.3
Speed	3560	3539	3508	3473	3431	3380	3448
Line amperes	3.1	4.9	6.7	8.8	11.6	13.8	10.5

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

NOTES:

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

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: -		

**BALDOR**

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

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