

BALDOR® • RELIANCE 

Product Information Packet

CUHL3519

1HP,1725RPM,1PH,60HZ,56C,3524L,TEFC,F3,N

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGX945	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	35X061	Layout:	35LYX061	Poles:	04	Created Date:	12-05-2007
Base:	RG	Eff. Date:	06-05-2019	Leads:	6#18		

Specs			
Catalog Number:	CUHL3519	Front Shaft Indicator:	None
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	56C	Insulation Class:	F
Frame Material:	Steel	Inverter Code:	Not Inverter
Output @ Frequency:	1.000 HP @ 60 HZ	KVA Code:	K
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	208.0 V @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	115.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3524L
Agency Approvals:	UR	Mounting Arrangement:	F3
	WEEE	Power Factor:	73
	CSA	Product Family:	General Purpose
	CE	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None

Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	6.400 A @ 230.0 V	Shaft Rotation:	Reversible
	7.000 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	12.800 A @ 115.0 V	Speed Code:	Single Speed
Design Code:	L	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1372L										
CAT.NO.	CUHL3519									
SPEC.	35X061X945G1									
HP	1									
VOLTS	115/208-230									
AMP	12.8/7-6.4									
RPM	1725									
FRAME	56C				HZ	60			PH	1
SER.F.	1.15		CODE	K	DES	L		CL	F	
NEMA-NOM-EFF	67		PF	73						
RATING	40C AMB-CONT									
CC								USABLE AT 208V	7	
DE	6205				ODE	6203				
ENCL	TEFC		SN							
	IP44									

Parts List		
Part Number	Description	Quantity
SA166356	SA 35X061X945G1	1.000 EA
RA154736	RA 35X061X945G1	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4007	KOBX,W/PRIMER (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
WD4101A13	STEEL CAPLUG,BP-1 1/8, PLUG D3561S	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
35EP3122K00	MASTER ODE,203 BRG,.683SH,#26 DRN,FH MTG	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3307F00	MASTER DE,205 BRG,.998SH,#26 DRN	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4519	CB LID W/BLACK PRIMER	1.000 EA
35GS3019A01	LEXIDE GASKET, FOR KOBX LID 35CB4519	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025N19	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
SP5055A07	35 L STATIONARY SWITCH 8-RED, E-BLK	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
35GS3001A02	GASKET, CA COVER, 5.38 LONG .06 CS301	1.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 24349 - Typical performance - not guaranteed values

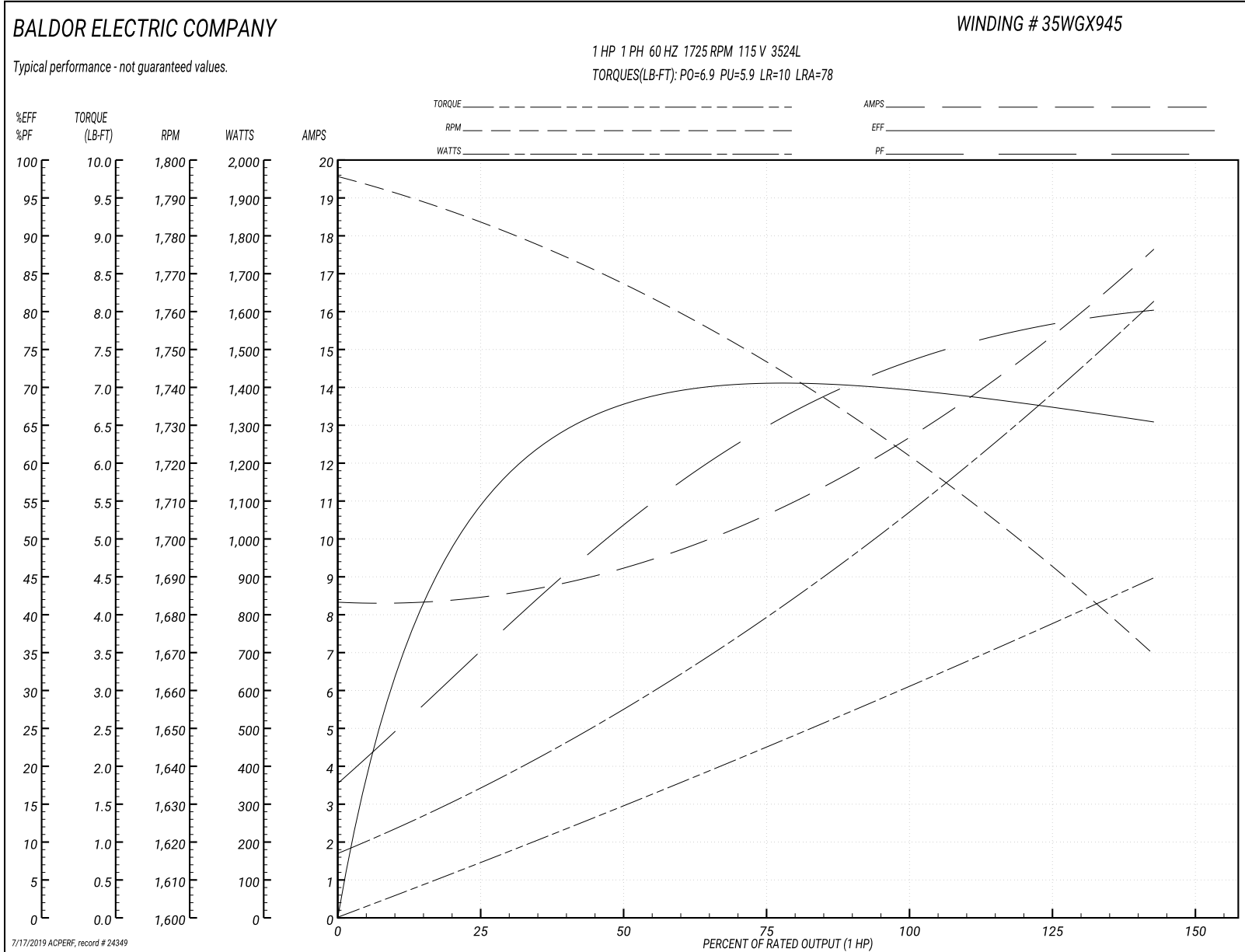
Winding: 35WGX945-R023	Type: 3524L	Enclosure: TEFC
-------------------------------	--------------------	------------------------

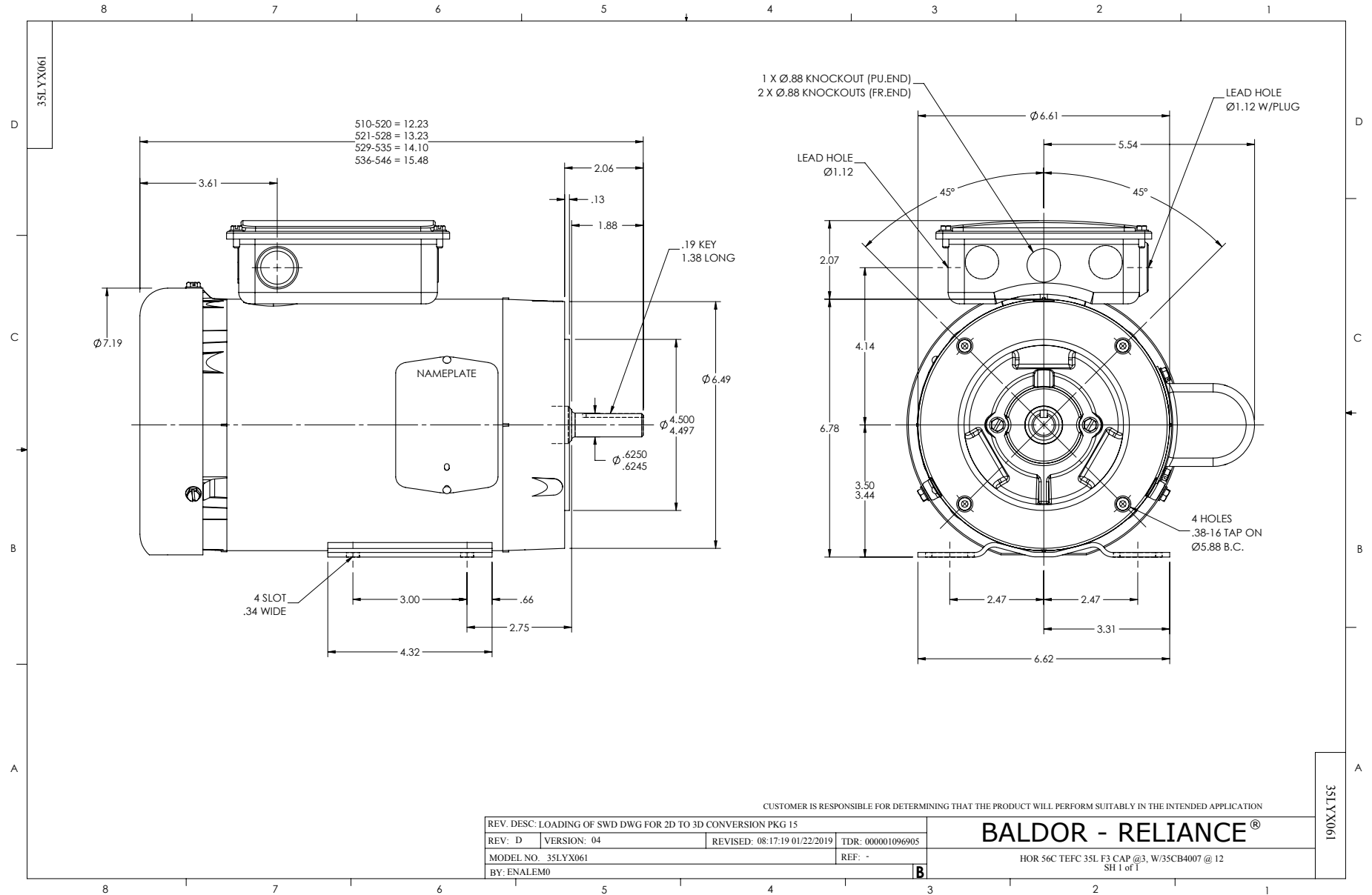
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	12.8/7-6.4			Breakdown Torque	6.9 LB-FT
R.P.M.	1725			Pull-up Torque	5.9 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	10 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	78 A
Service Factor (S.F.)	1.15			No-load Current	8.2 A
NEMA Nom. Eff.	67	Power Factor	73	Line-line Res. @ 25°C	0.65 Ω A Ph 1.8 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C
S.F. Amps				Temp. Rise @ S.F. Load	95°C

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	53	67	75	81	84	79
Efficiency	52.9	67.6	70	70.3	68.6	64.9	69.3
Speed	1781	1765	1746	1726	1701	1666	1711
Line amperes	8.6	9.4	10.6	12.4	14.8	17.8	13.8

Performance Graph at 115V, 60Hz, 1.0HP Typical performance - Not guaranteed values





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

CD0001