

BALDOR® • RELIANCE

Product Information Packet

UCLE3145

3-4.5HP,3450RPM,1PH,60HZ,145TZ,3540LC,TE

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3540LC	Elec. Spec:	35WGT164	CD Diagram:	CD0017A02
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35E2504	Layout:	35LYE2504
Frame:	145TZ	Mounting:	F1	Poles:	02	Created Date:	03-06-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-28-2015
Leads:	2#14 A PH,2#18 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1279L							
CAT.NO.	UCLE3145						
SPEC.	35E2504T164G1						
HP	3-4.5						
VOLTS	230						
AMP	12.5-18.5						
RPM	3450						
FRAME	145TZ	HZ	60	PH	1		
SER.F.	1.00	CODE	K	DES	-	CL	F
NEMA-NOM-EFF	82.5	PF	97				
RATING	40C AMB-CONT						
CC		USABLE AT 208V	20				
DE	6206	ODE	6203				
ENCL	TEAO	SN					

Nameplate NP1263L							
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Parts List		
Part Number	Description	Quantity
SA277855	SA 35E2504T164G1	1.000 EA
RA264403	RA 35E2504T164G1	1.000 EA
OC3040F09SP	CYL OIL CAP 40MFD/370V	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
HA6021A01SP	ADAPTOR, MACH	1.000 EA
36GS5000	GASKET CONDUIT ADAPTOR	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
35EP3100M69	STD FR EP-TENV-35L OR M--203 BRG	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	2.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	2.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	2.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	4.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
35EP3113B06	PU EP ENCL,06 BRG, SEAL, W/O GREASER	1.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X 0.240	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
ML1400DF14	14 AWG,BLANK,GREEN w/YELLOW STRIPE	36.000 IN
WD1000H04	HOLL#R4161SFT,INSL.RING,16-14 GA,#10 STU	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MG1025C02	RAL6081, LIGHT SUPER TAN, GLOSS 85,	0.017 GA
SP5181A12	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
HA3100A42	THRUBOLT 10-32 X 12.000	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 EA
NP1263L	AUX, GP, ALUM, CC, LASER ETCHED	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA

AC Induction Motor Performance Data

Record # 9277 - Typical performance - not guaranteed values

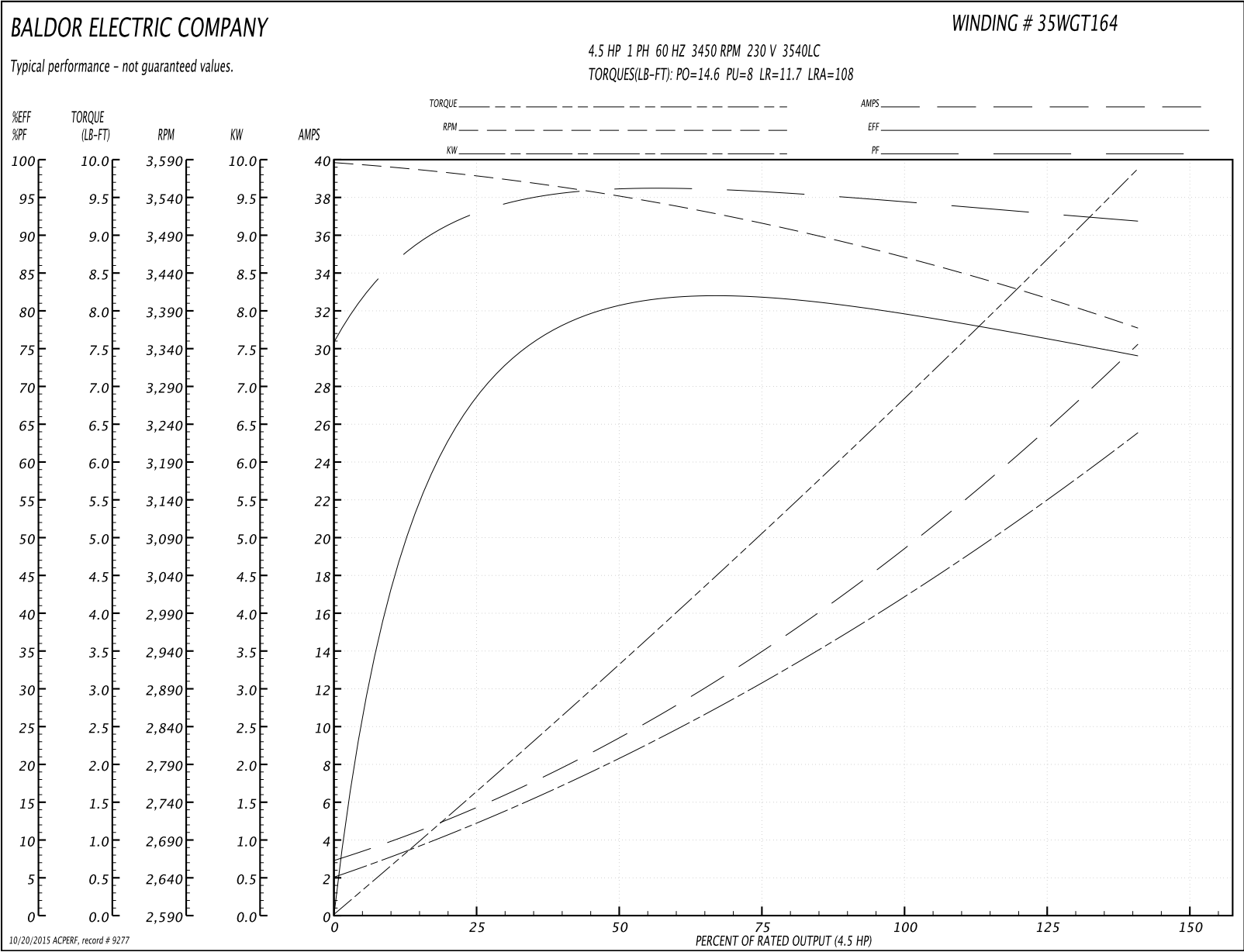
Winding: 35WGT164-R001	Type: 3540LC	Enclosure: TEAO
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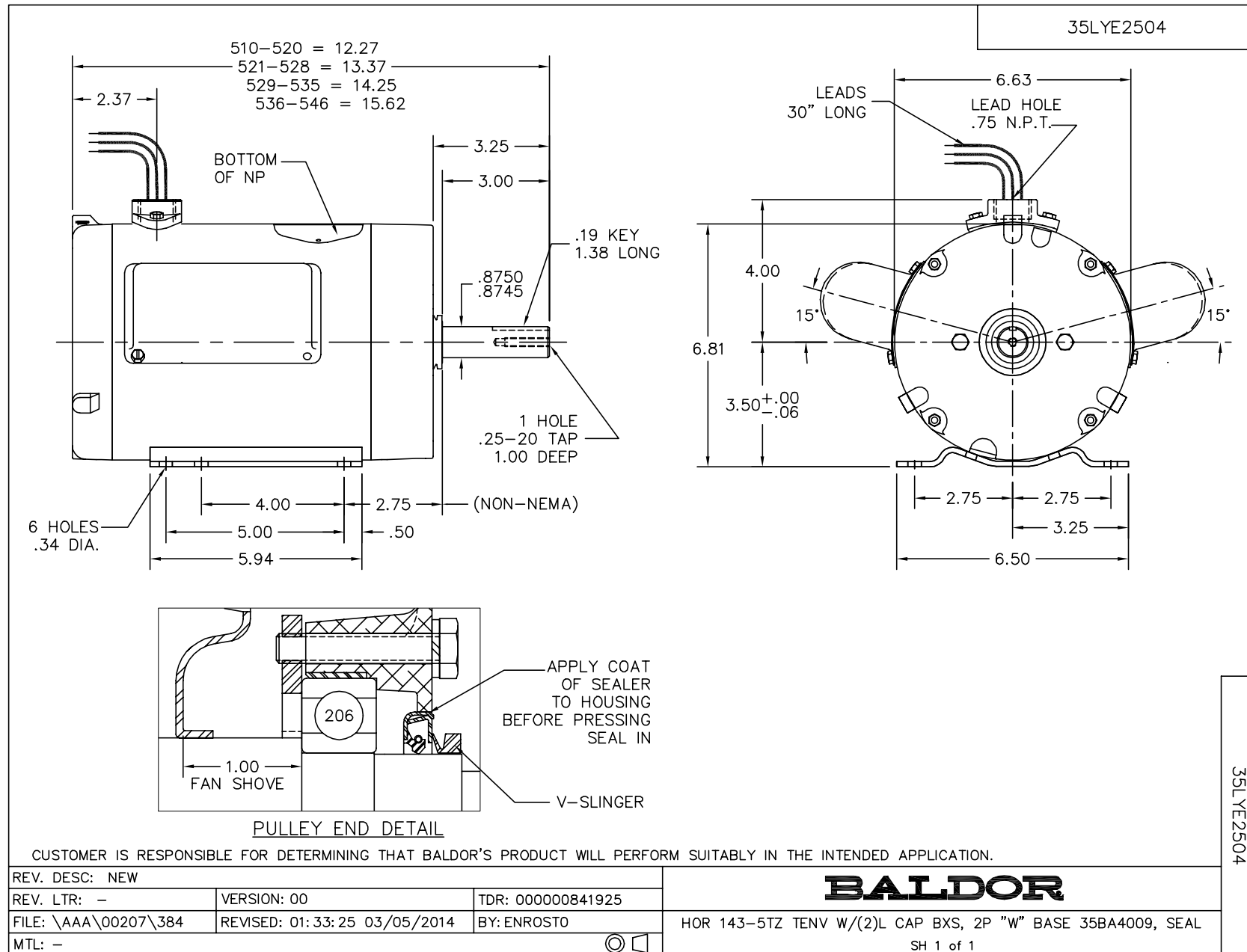
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3-4.5			Full Load Torque	6.6 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	12.5-18.5			Breakdown Torque	14.6 LB-FT
R.P.M.	3450			Pull-up Torque	8 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	11.7 LB-FT
NEMA Design Code	-	KVA Code	K	Starting Current	108 A
Service Factor (S.F.)	1			No-load Current	2.7 A
NEMA Nom. Eff.	82.5	Power Factor	97	Line-line Res. @ 25°C	0.519 Ω A Ph 1.58 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 4.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	95	97	98	97	97	96
Efficiency	69.1	78.6	82.3	79.6	78.3	73.5
Speed	3566	3539	3507	3473	3421	3364
Line amperes	5.9	9.5	13.9	18.2	24.1	30.5

Performance Graph at 230V, 60Hz, 4.5HP Typical performance - Not guaranteed values





CD0017A02

