



Customer information packet

UCLE3145

3-4.5HP, 3450RPM, 1PH, 60HZ, 3540LC, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	145TZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	4.500 HP @ 60 HZ 3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	12.500 A @ 230.0 V 20.000 A @ 208.0 V
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
Heater Indicator	No Heater
High Voltage Full Load Amps	12.5 a
Insulation Class	F

Part detail

Revision	W
Type	AC
Mech. spec.	35E2504
Base	
Status	PRD/A
Elec. spec.	35WGT164
Layout	35LYE2504
Eff. date	01-02-2025
CD Diagram	CD0017A02
Poles	02
Leads	2#14 A PH 30" leads, 2#18 B PH 30" leads Y
Proprietary	False
Created date	03-06-2014

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3540LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.62 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
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	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1279L									
CAT.NO.	UCLE3145								
SPEC.	35E2504T164G1								
HP	3-4.5								
VOLTS	230								
AMP	12.5-18.5								
RPM	3450								
FRAME	143TZ	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									
DE	6206		ODE		6203				
ENCL	TEAO	SN							

NP1263L

CAT.NO.	UCLE3145									
SPEC.	35E2504T164G1									
HP	3-4.5									
VOLTS	230									
AMP	12.5-18.5									
RPM	3450									
FRAME	143TZ			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										
DE	6206	ODE	6203							
ENCL	TEAO	SN								

Accessories

Part number	Description	Multiplier
35-3300FD	C FACE KIT FARM DUTY 143-5TC ENCL, 6205	A8

AC Induction Motor Performance Data

Record # 9277

Typical performance - not guaranteed values

Winding: 35WGT164-R001			Type: 3540LC		Enclosure: TEAO			
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

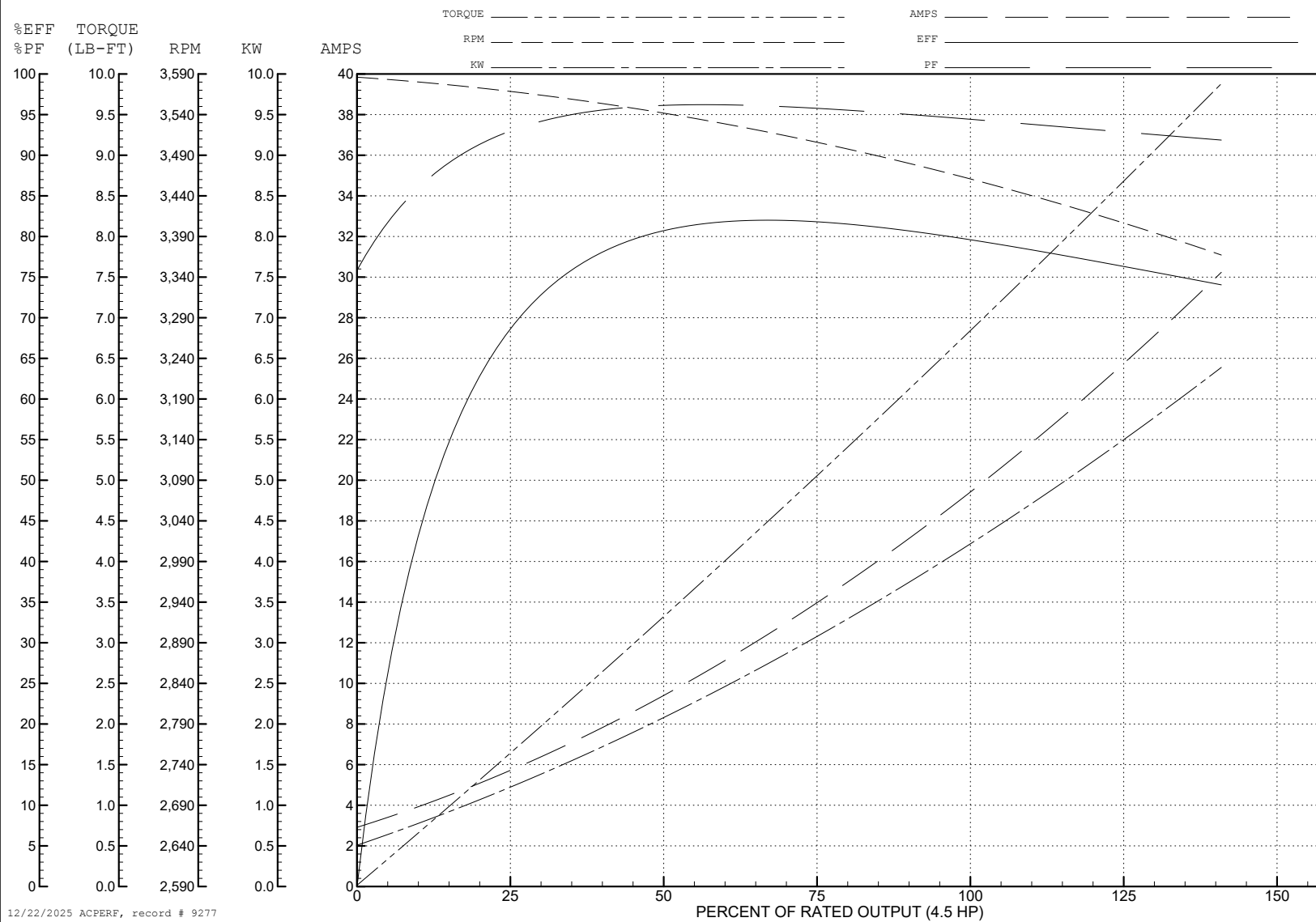
ABB Motors and Mechanical Inc.

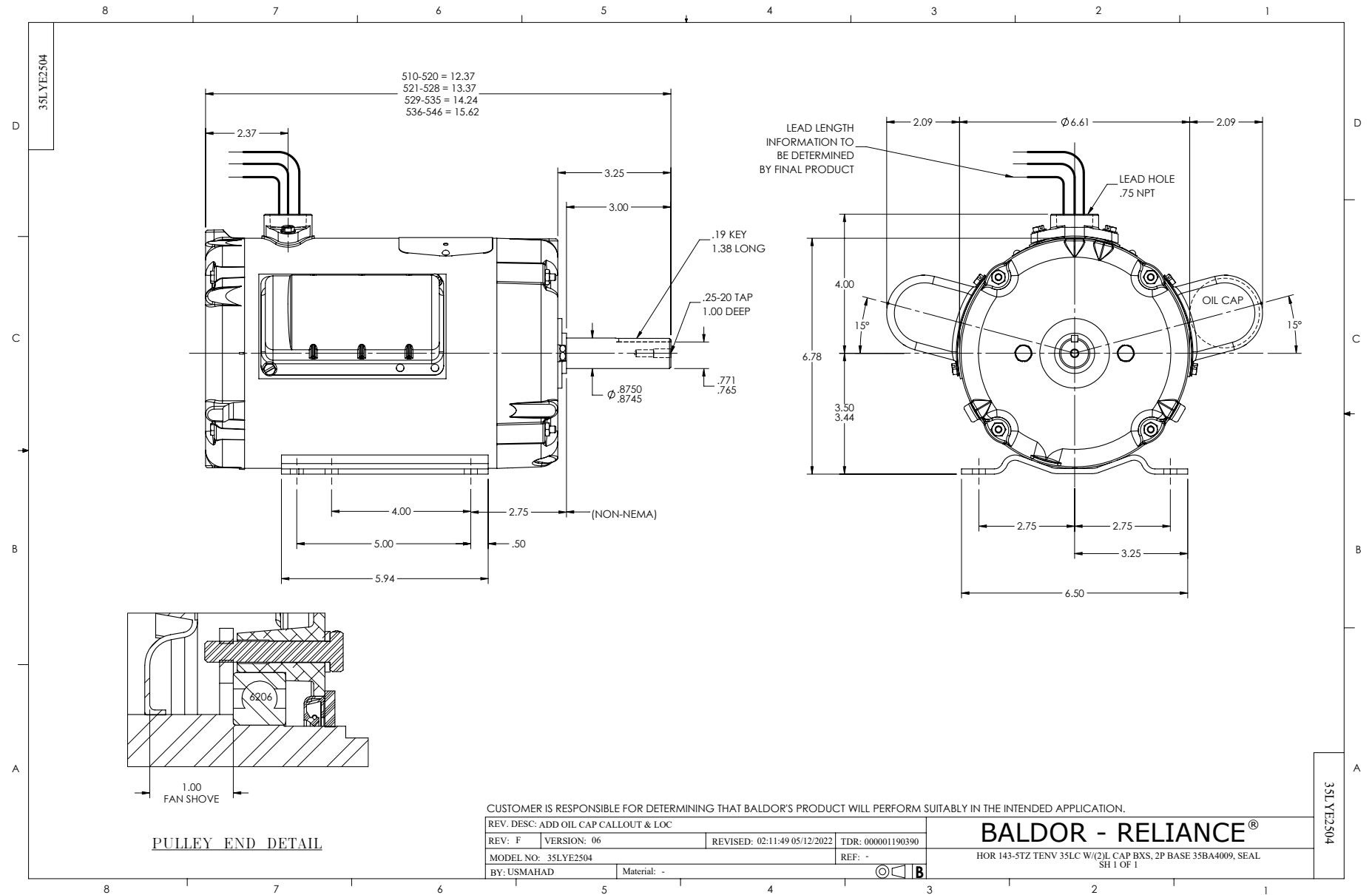
WINDING # 35WGT164

Typical performance - not guaranteed values.

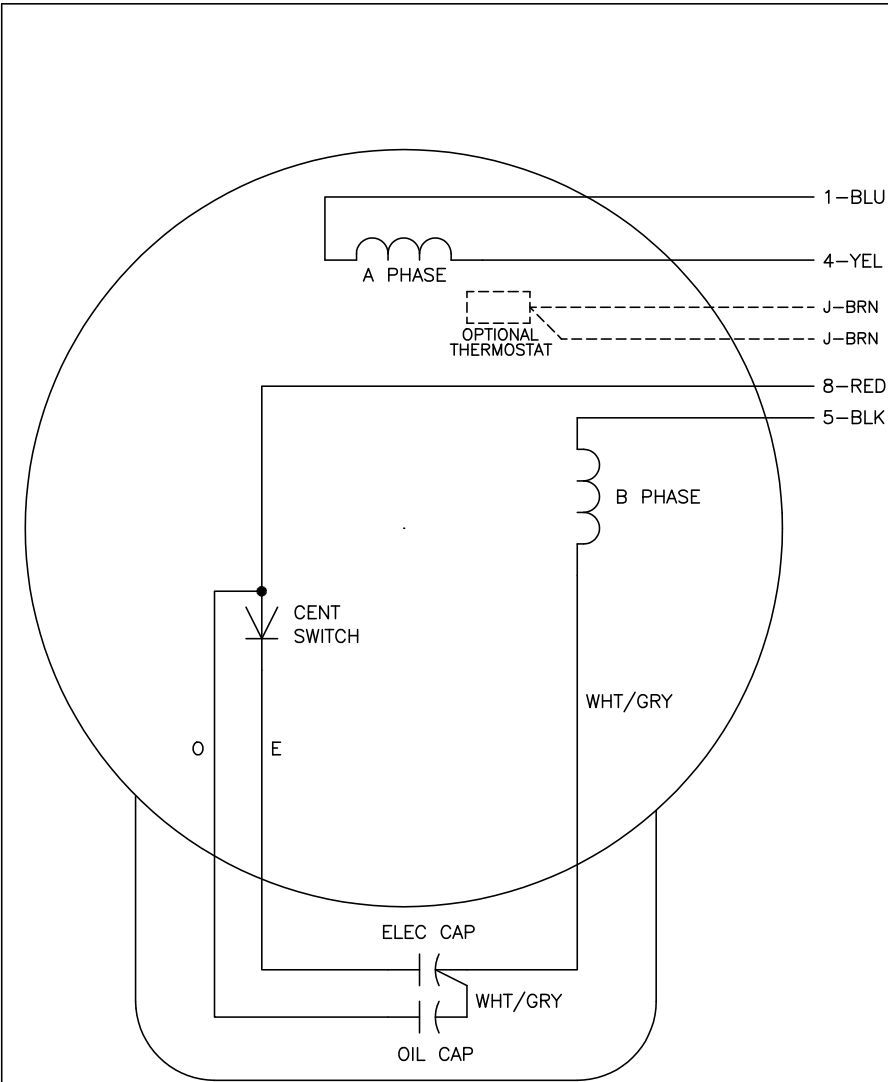
4.5 HP 1 PH 60 HZ 3450 RPM 230 V 3540LC

TORQUES (LB-FT): PO=14.6 PU=8 LR=11.7 LRA=108





CD0017A02



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	4,8

- 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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 4 LEADS

CD0017A02