

ABB BALDOR RELIANCE III

Customer information packet

UCLE7510

7.5-10 AIR OVERHP, 3450RPM, 1PH, 60HZ, 182TZ

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	182TZ
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	7.500 HP @ 60 HZ 10.000 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	28.000 A @ 208.0 V 38.000 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
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	38.0 a
Insulation Class	F

Part Detail

Revision	Q
Type	AC
Mech. spec.	36Q215
Base	
Status	PRD/A
Elec. spec.	36WGX955
Layout	36LYQ215
Eff. date	01-09-2026
CD Diagram	CD0208
Poles	02
Leads	2#10 A PH SEE NOTES,3#16 B PH Y
Proprietary	False
Created date	03-06-2014

Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.88 IN
Power Factor	95
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	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft 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.	UCLE7510								
SPEC.	36Q215X955G1								
HP	7.5-10 AIR OVER								
VOLTS	230								
AMP	38								
RPM	3450								
FRAME	182TZ		HZ	60		PH		1	
SER.F.	1.00		CODE	F	DES	-	CL	F	
NEMA-NOM-EFF	85.5		PF	95					
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEAO		SN						

NP1263L									
CAT.NO.	UCLE7510								
SPEC.	36Q215X955G1								
HP	7.5-10 AIR OVER								
VOLTS	230								
AMP	38								
RPM	3450								
FRAME	182TZ		HZ	60		PH	1		
SER.F.	1.00	CODE	F	DES	-	CL	F		
NEMA-NOM-EFF	85.5	PF	95						
RATING	40C AMB-CONT								
CC									
DE	6206	ODE	6205						
ENCL	TEAO	SN							

Parts List

Part number	Description	Quantity
SA277503	SA 36Q215X955G1	1.000 ea
RA264052	RA 36Q215X955G1	1.000 ea
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	2.000 ea
OC3040F18SP	7YL OIL CAP 40MFD/370V	1.000 ea
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	1.000 ea
HA6021A01SP	ADAPTOR, MACH	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
36GS5000	GASKET CONDUIT ADAPTOR	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP3104A46	FREP TENV 36L/M 205 BRG NO GRSR, W/GND	1.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36PE3100B94	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 ea
HW4600H12	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 ea
10XN2520A20	1/4-20X 1 1/4 HEX HD X	2.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
HW4600B36SP	V-RING SLINGER 1.188 X 1.380 X .24 VITON	1.000 ea
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	3.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
LD5000A45	LEAD ASSY, ML1400DF10 W/#10 RING 36"	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025C02	WILKOFASST SG, 787.105, TAN	0.022 ga
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	8.000 ea
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 ea
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 ea

SP5172A70	37 TYPE LC TORQ STAT SWITCH LEAD ASSEMBL	1.000 ea
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 ea
MP1002A24	6" X 16" .65 MIL. CLEAR PLASTIC BAG	1.000 ea
LC0208	CONNECTION LABEL	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	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 PK1017A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

Accessories

Part number	Description	Multiplier
36-3303FD	C FACE KIT FARM DUTY 182-4C, ENCL 6206	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 11173

Typical performance - not guaranteed values

Winding: 36WGX955-R001			Type: 3646LC		Enclosure: TEAO		
Nameplate Data				230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		7.5-10 AIR OVER		Full Load Torque		15.2 LB-FT	
Volts		230		Start Configuration		direct on line	
Full Load Amps		38		Breakdown Torque		41.5 LB-FT	
R.P.M.		3450		Pull-up Torque		4 LB-FT	
Hz		60	Phase	1	Locked-rotor Torque		4.5 LB-FT
NEMA Design Code		- KVA Code		F	Starting Current		213 A
Service Factor (S.F.)		1		No-load Current		6.2 A	
NEMA Nom. Eff.		85.5	Power Factor	95	Line-line Res. @ 25°C		0.202 Ω A Ph 0.319 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load			

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	95	99	99	99	99	99
Efficiency	67.3	80.6	84.8	85.7	84.7	82.4
Speed	3565	3533	3498	3458	3412	3357
Line amperes	12.8	20.4	28.8	37.9	47.9	59.4

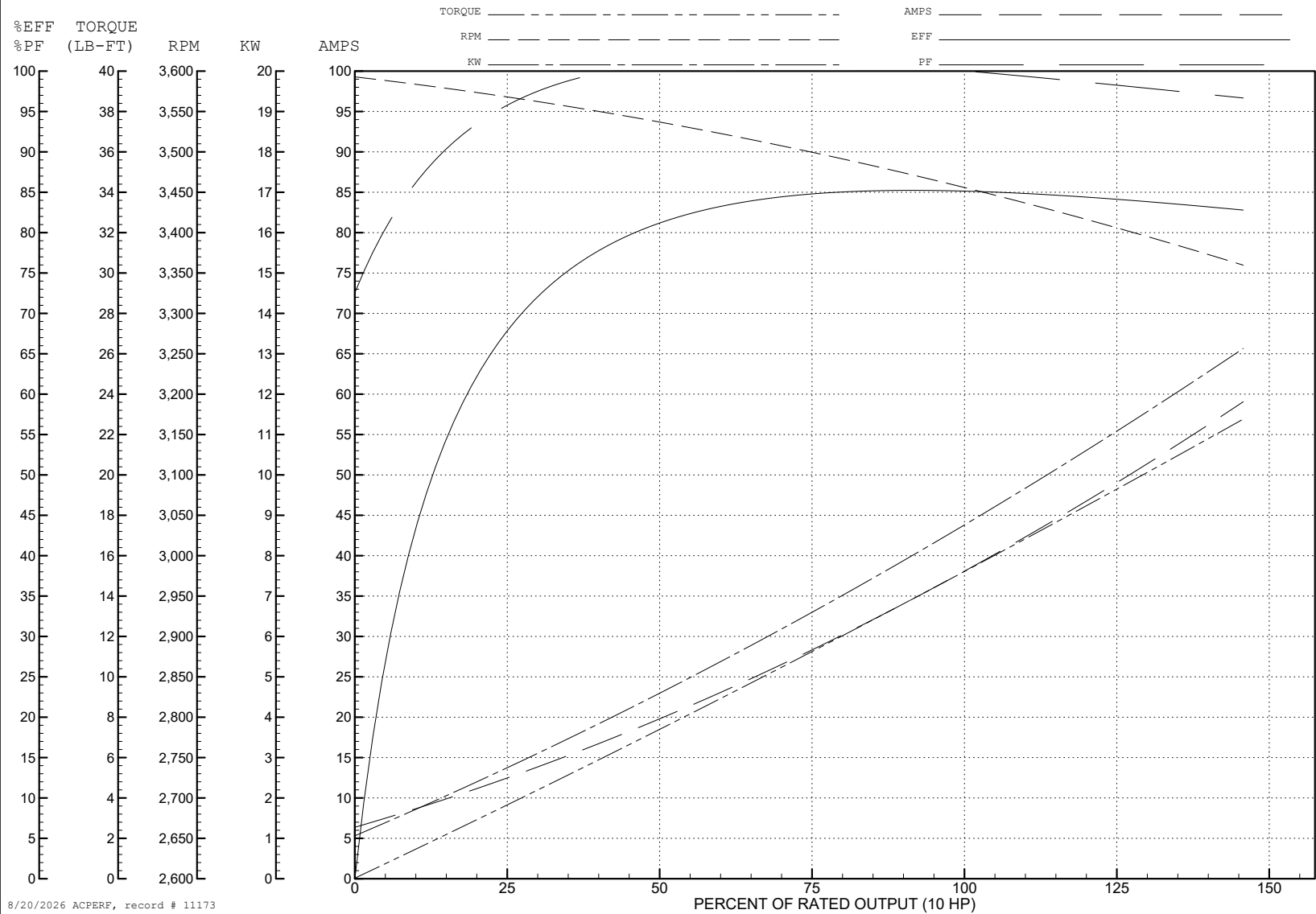
ABB Motors and Mechanical Inc.

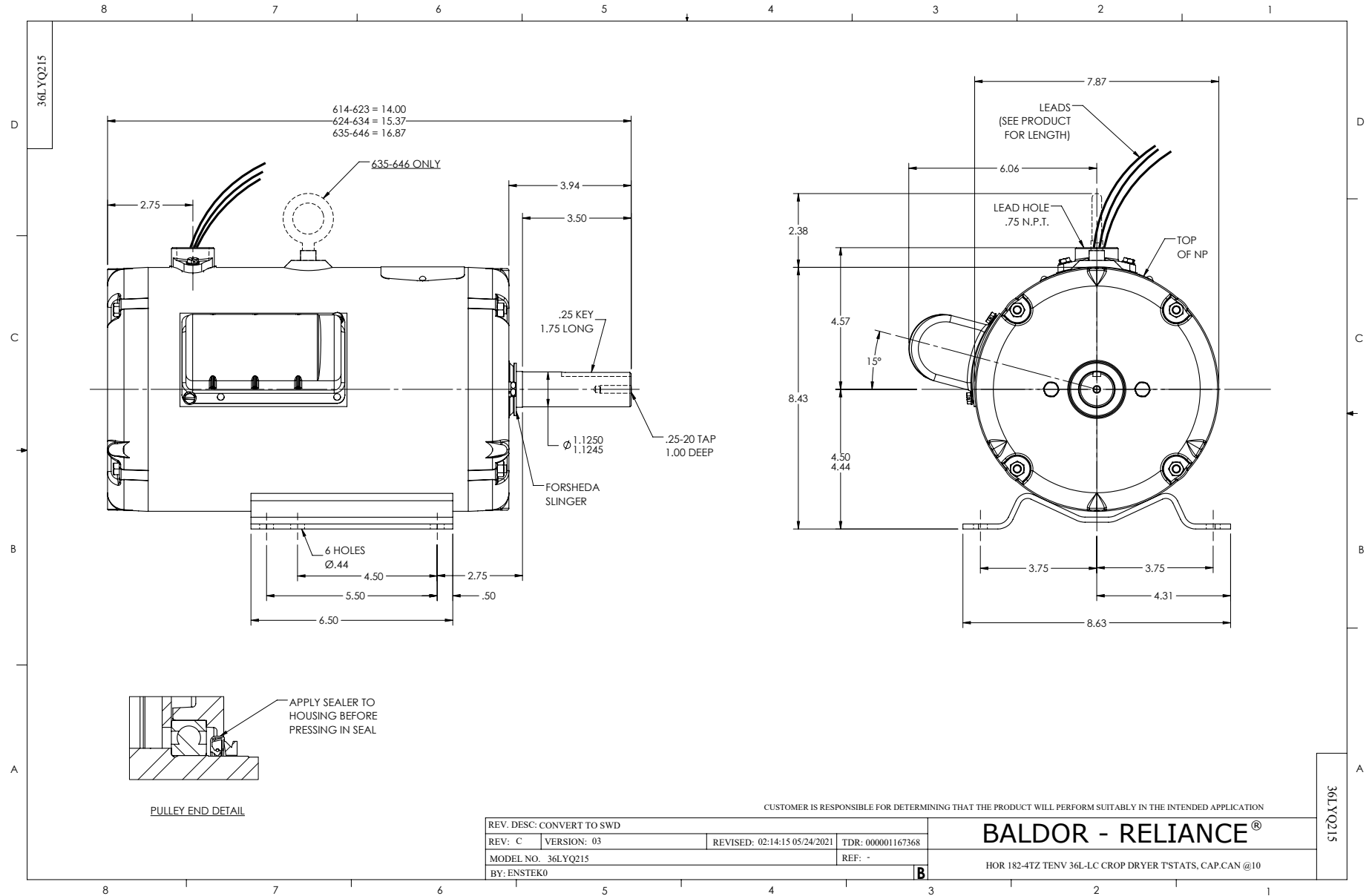
WINDING # 36WGX955

Typical performance - not guaranteed values.

10 HP 1 PH 60 HZ 3450 RPM 230 V 3646LC

TORQUES (LB-FT): PO=41.5 PU=4 LR=4.5 LRA=213





CD0208

