

ABB BALDOR RELIANCE III

Customer information packet

UCLE570

5-7 AIR OVERHP, 3450RPM, 1PH, 60HZ, 182TZ, 36

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	7.000 HP @ 60 HZ 5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR CSA
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	20.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
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	20.5 a
Insulation Class	H
Inverter Code	Not Inverter

Part Detail

Revision	Q
Type	AC
Mech. spec.	36Q214
Base	
Status	PRD/A
Elec. spec.	36WGX572
Layout	36LYQ214
Eff. date	01-02-2025
CD Diagram	CD0208
Poles	02
Leads	2#10 A PH SEE NOTES,2#16 B PH Y
Proprietary	False
Created date	03-06-2014

KVA Code	K
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
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.	UCLE570								
SPEC.	36Q214X572G1								
HP	5-7 AIR OVER								
VOLTS	230								
AMP	20.5-27.7								
RPM	3450								
FRAME	182TZ		HZ	60		PH		1	
SER.F.	1.00		CODE	K	DES	L		CL	H
NEMA-NOM-EFF			PF						
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEAO		SN						

NP1263L									
CAT.NO.	UCLE570								
SPEC.	36Q214X572G1								
HP	5-7 AIR OVER								
VOLTS	230								
AMP	20.5-27.7								
RPM	3450								
FRAME	182TZ		HZ	60		PH	1		
SER.F.	1.00	CODE	K	DES	L	CL	H		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC									
DE	6206	ODE	6205						
ENCL	TEAO	SN							

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 # 36968

Typical performance - not guaranteed values

Winding: 36WGX572-R004			Type: 3646LC		Enclosure: TEAO		
Nameplate Data				230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		5-7 AIR OVER		Full Load Torque		10.8 LB-FT	
Volts		230		Start Configuration		direct on line	
Full Load Amps		20.5-27.7		Breakdown Torque		37.3 LB-FT	
R.P.M.		3450		Pull-up Torque		20 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		24.1 LB-FT	
NEMA Design Code		L	KVA Code	K	Starting Current		239 A
Service Factor (S.F.)		1		No-load Current		6 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		0.197 Ω A Ph 0.838 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load			

Load Characteristics 230 V, 60 Hz, 7 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	95	99	98	99	96	93
Efficiency	67.4	78.3	87.1	83.1	84.6	84.9
Speed	3577	3557	3536	3513	3487	3460
Line amperes	9.39	15.4	20.7	28.4	35.8	43.7

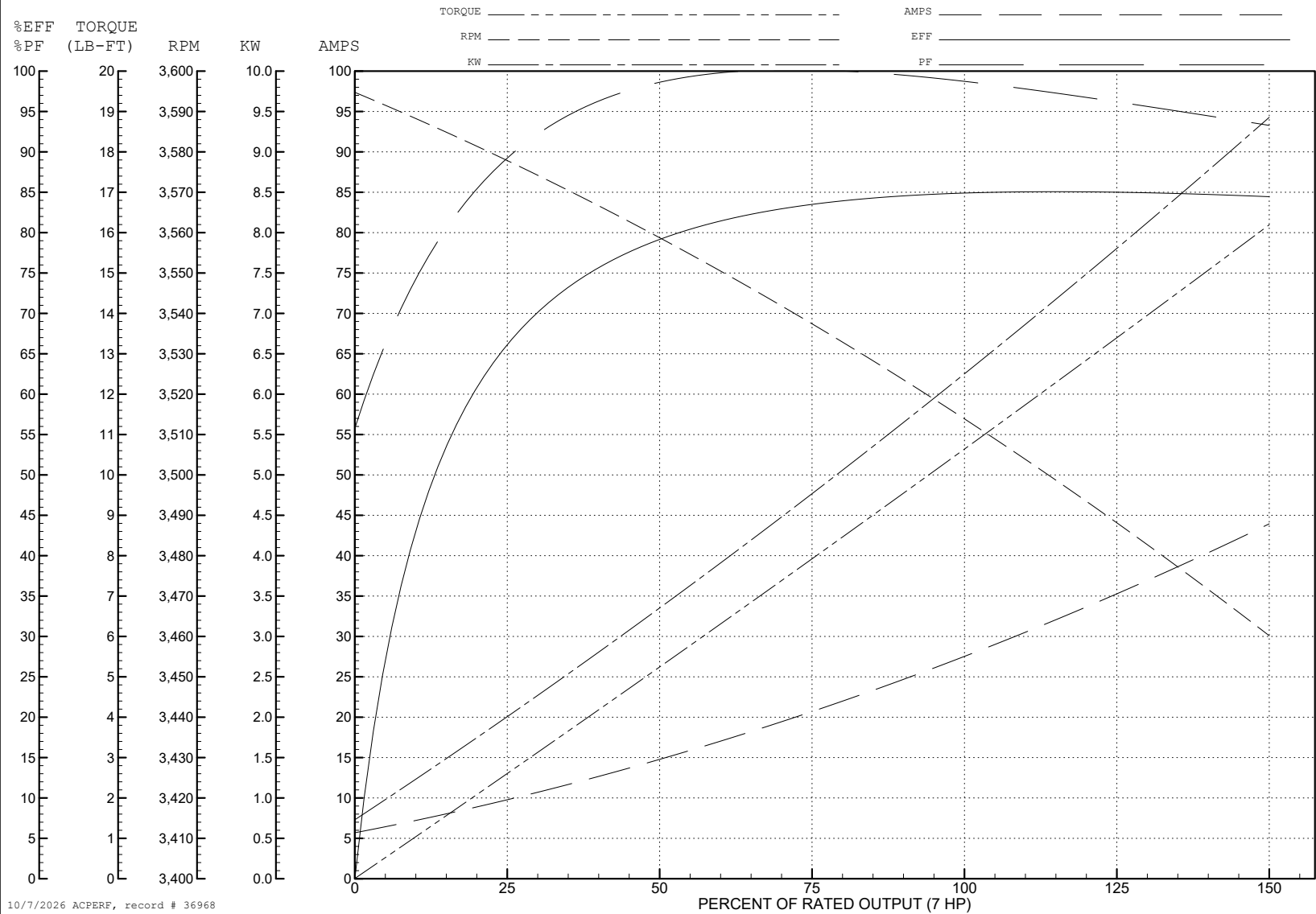
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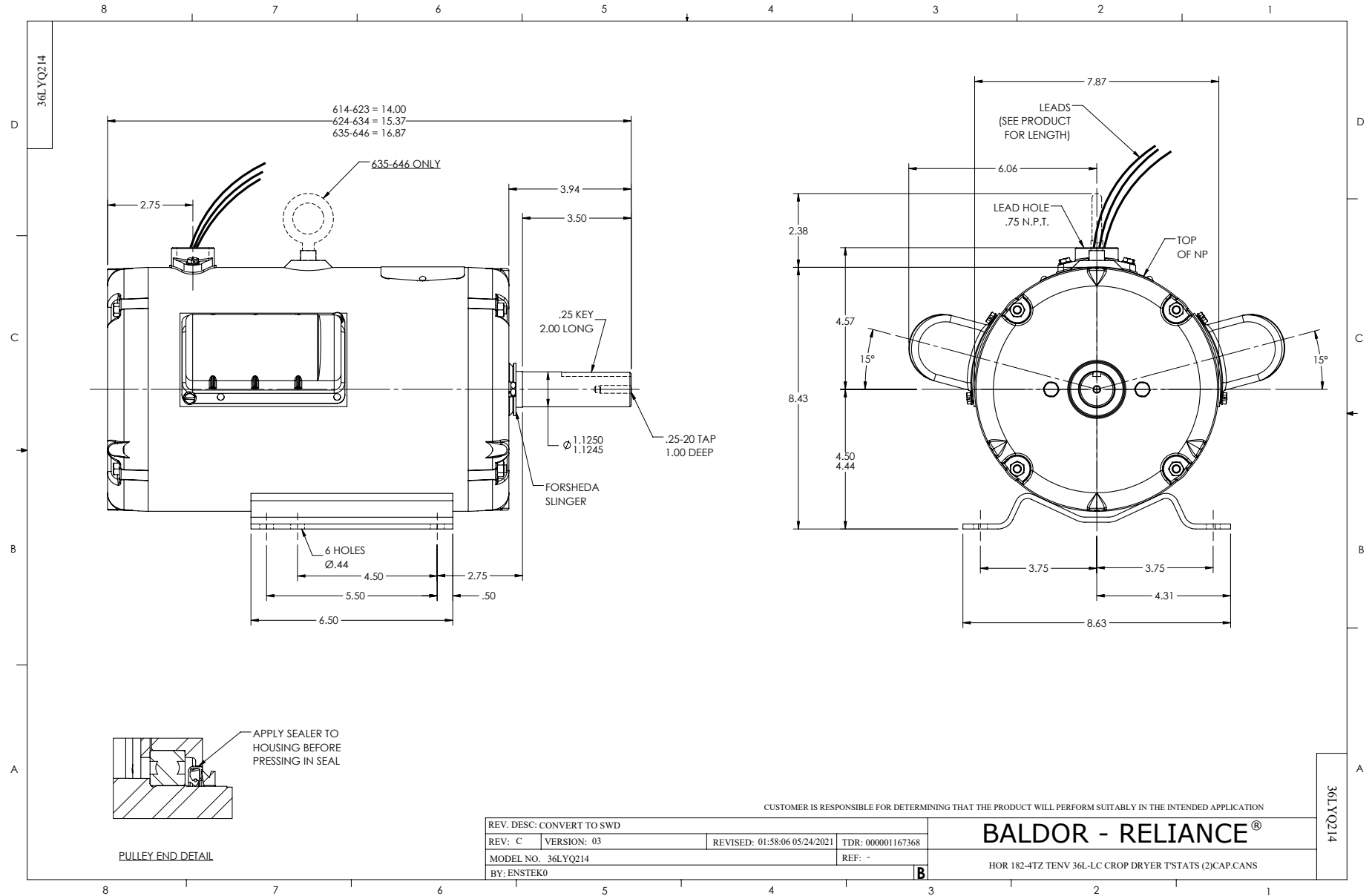
WINDING # 36WGX572

Typical performance - not guaranteed values.

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

TORQUES (LB-FT): PO=37.3 PU=20 LR=24.1 LRA=239





CD0208

