

ABB BALDOR RELIANCE III

Customer information packet

UCCE7510

7.5-10.5HP, 3450RPM, 1PH, 60HZ, 215Z, 3729C

Class -

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	215Z
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	10.500 HP @ 60 HZ 7.500 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	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	30.000 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
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	30.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	C

Part Detail

Revision	AH
Type	AC
Mech. spec.	37E763
Base	
Status	NLA/A
Elec. spec.	37WGW934
Layout	37LYE763
Eff. date	04-08-2016
CD Diagram	CD0127
Poles	02
Leads	4#10 32" LG Y
Proprietary	False
Created date	01-01-0001

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	4 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3729C
Mounting Arrangement	F1
Number of Poles	2
Overall Length	17.44 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
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	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.									
SPEC.	37E763W934								
HP	7.5-10.5 AIR OVER								
VOLTS	230								
AMP	30-40								
RPM	3450								
FRAME	215Z		HZ	60		PH		1	
SER.F.	1.00		CODE	C	DES	-		CL	F
NEMA-NOM-EFF	84		PF	98					
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	TEAO	SN							

NP1263L									
CAT.NO.									
SPEC.	37E763W934								
HP	7.5-10.5 AIR OVER								
VOLTS	230								
AMP	30-40								
RPM	3450								
FRAME	215Z			HZ	60		PH	1	
SER.F.	1.00	CODE	C	DES	-	CL	F		
NEMA-NOM-EFF	84	PF	98						
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	TEAO	SN							

Accessories

Part number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 11951

Typical performance - not guaranteed values

Winding: 37GWG934-R001			Type: 3729C		Enclosure: TEAO			
Nameplate Data			230 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		7.5-10.5 AIR OVER	Full Load Torque		15.9 LB-FT			
Volts		230	Start Configuration		direct on line			
Full Load Amps		30-40	Breakdown Torque		34 LB-FT			
R.P.M.		3450	Pull-up Torque		3.7 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		4.8 LB-FT		
NEMA Design Code		-	KVA Code	C	Starting Current		175 A	
Service Factor (S.F.)		1	No-load Current		11.6 A			
NEMA Nom. Eff.		84	Power Factor		98	Line-line Res. @ 25°C		0.257 Ω A Ph 0.353 Ω B Ph
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load					

Load Characteristics 230 V, 60 Hz, 10.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	84	84	98	99	99	99
Efficiency	59.7	75.2	80.9	82.7	82.2	80
Speed	3564	3535	3503	3465	3421	3364
Line amperes	17	24.1	32.2	41.4	51.8	64.1

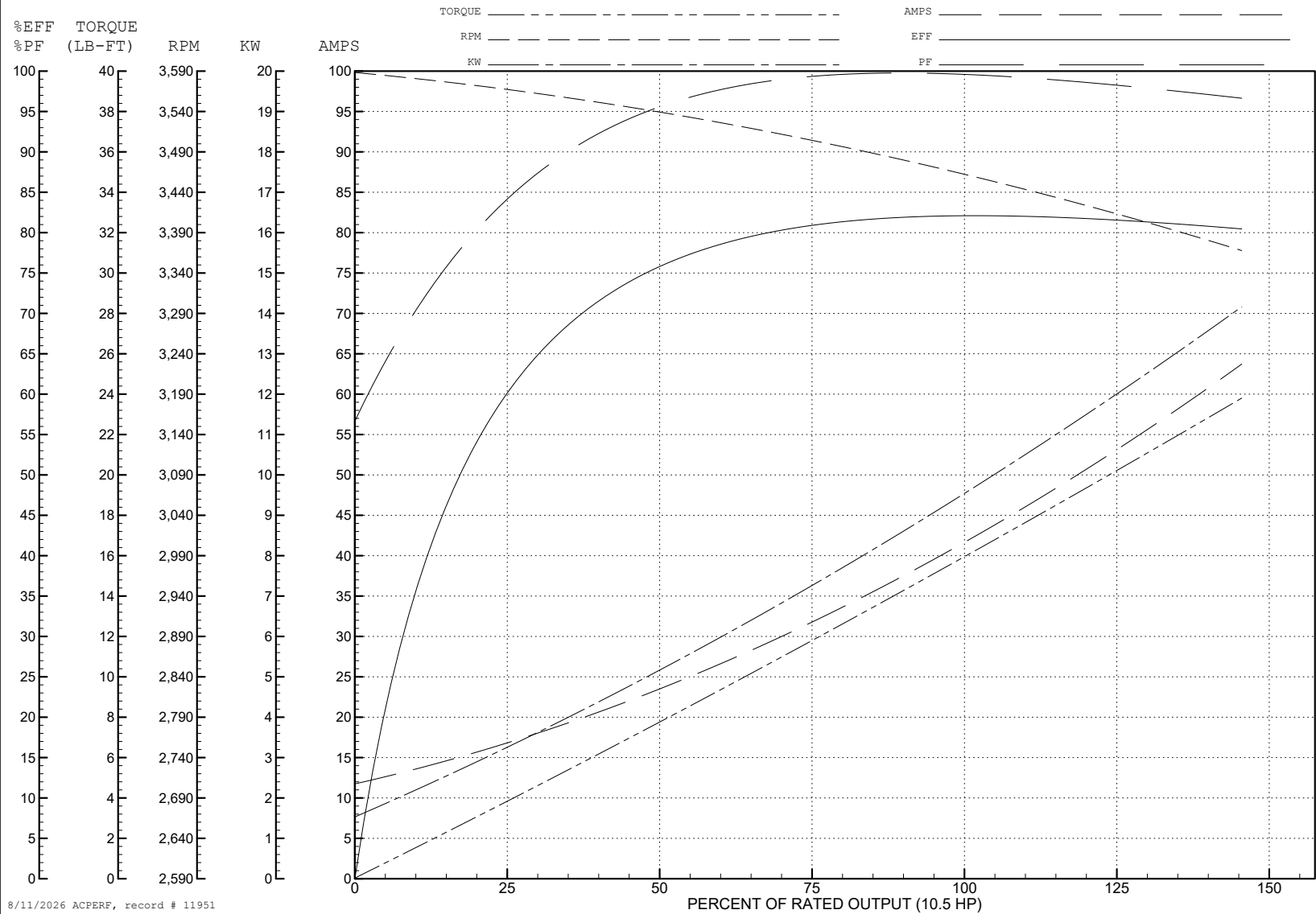
ABB Motors and Mechanical Inc.

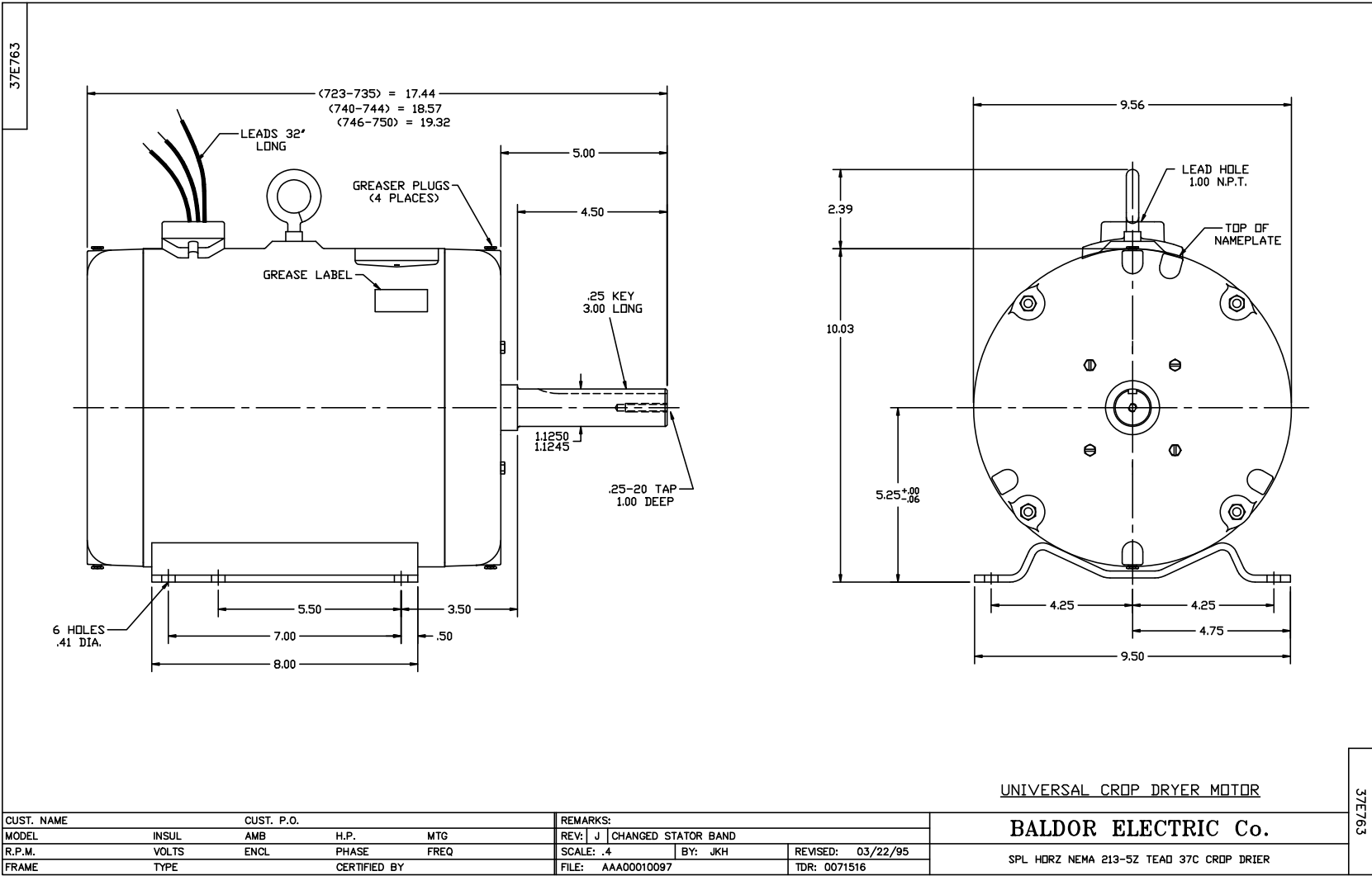
WINDING # 37GW934

Typical performance - not guaranteed values.

10.5 HP 1 PH 60 HZ 3450 RPM 230 V 3729C

TORQUES (LB-FT) : PO=34 PU=3.7 LR=4.8 LRA=175





CD0127

