ABB BALDOR RELIANCE

Customer information packet

UCCE7510

7.5-10.5HP, 3450RPM, 1PH, 60HZ, 215Z, 3729C
Class -
Division - Not Applicable

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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

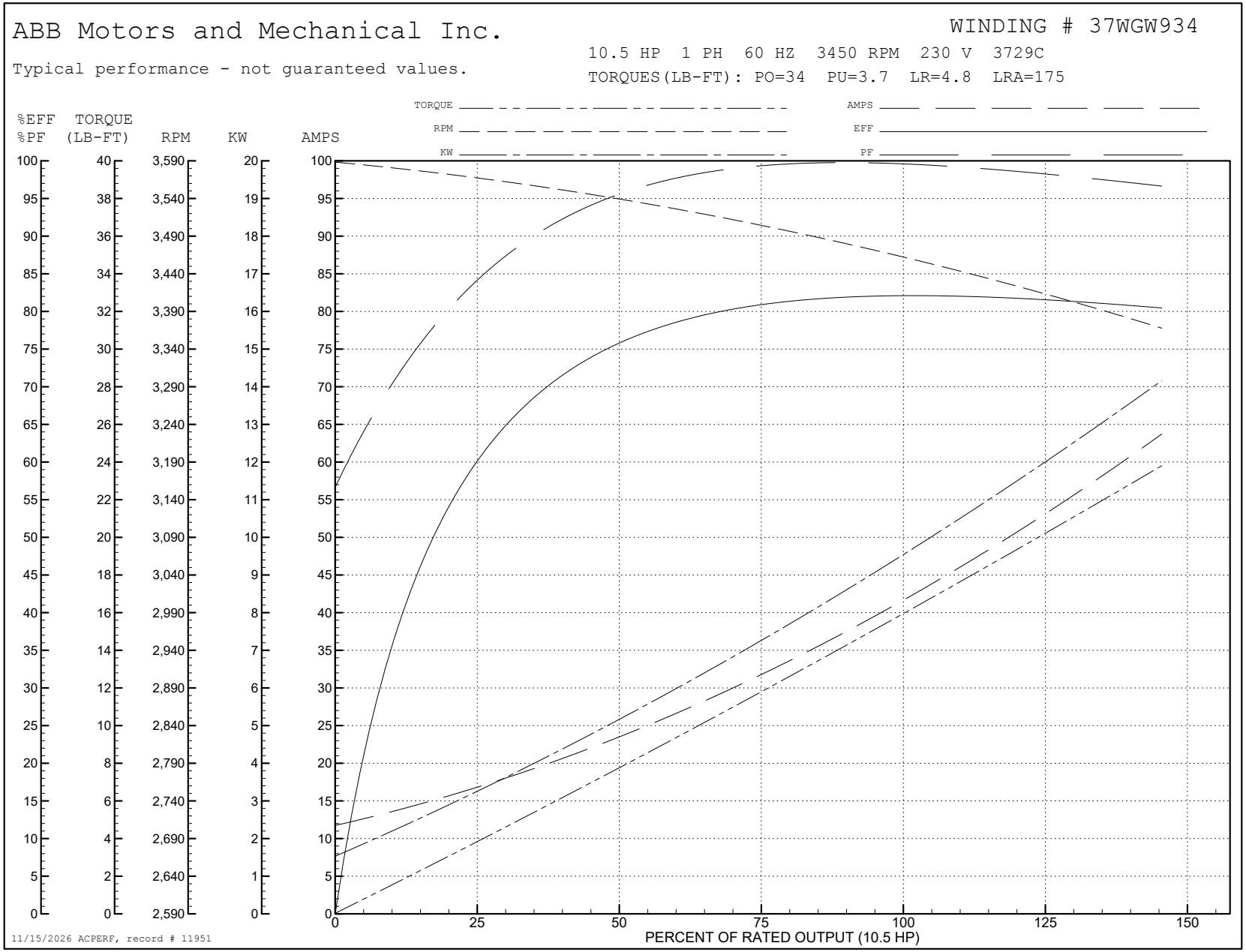
AC Induction Motor Performance Data
Record # 11951
Typical performance - not guaranteed values

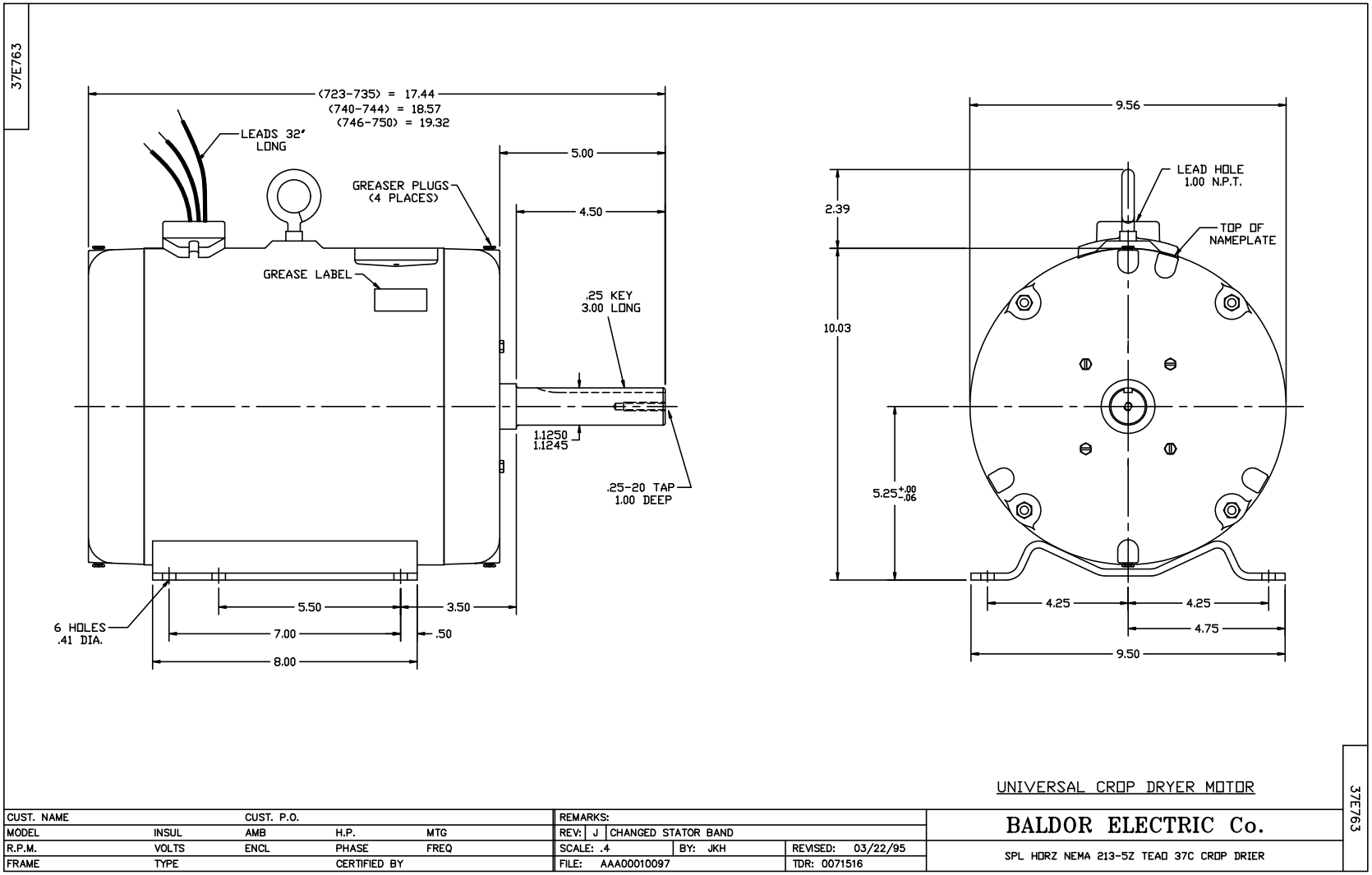
Winding: 37WGW934-R001	**Type:** 3729C	**Enclosure:** TEAO

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. @ 25ºC**	0.257 Ω A Ph 0.353 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	

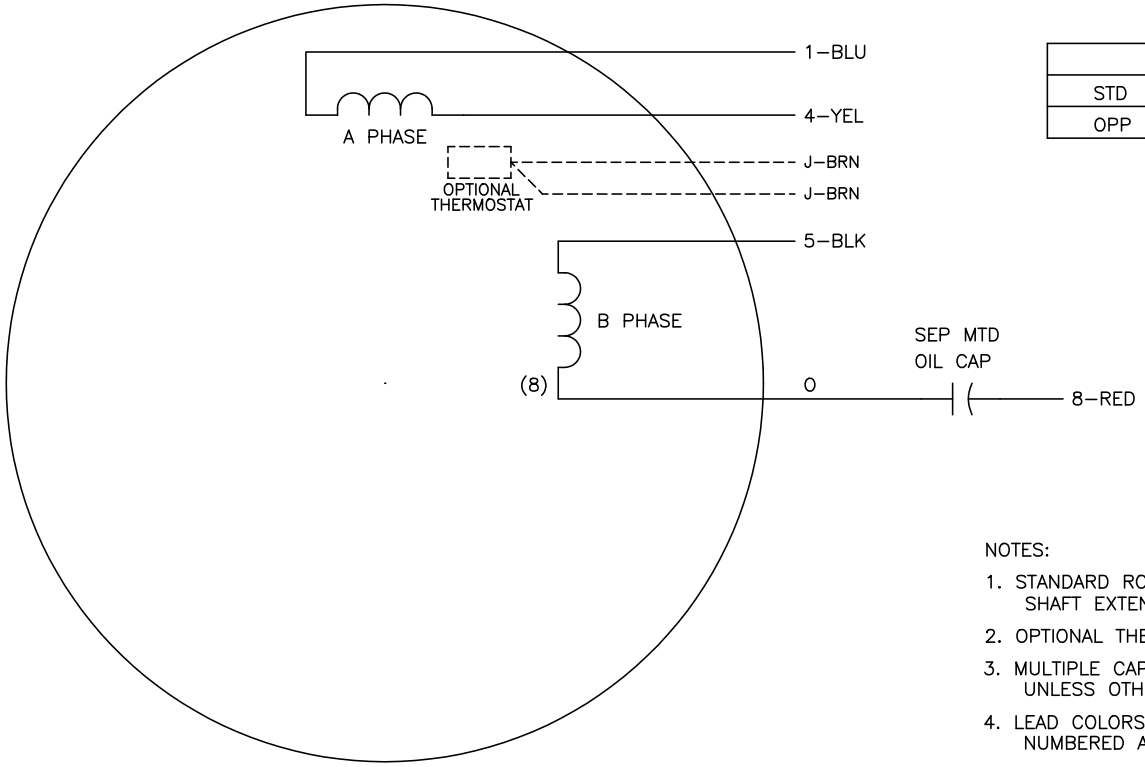
Load Characteristics 230 V, 60 Hz, 10.5 HP

% 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 # 37WGW934
10.5 HP 1 PH 60 HZ 3450 RPM 230 V 3729C
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=34 PU=3.7 LR=4.8 LRA=175
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10.5 HP)
11/15/2026 ACPERF, record # 11951


37E763
(723-735) = 17.44
(740-744) = 18.57
(746-750) = 19.32
LEADS 32" LONG
GREASER PLUGS (4 PLACES)
GREASE LABEL
5.00
4.50
.25 KEY 3.00 LONG
1.1250 1.1245
.25-20 TAP 1.00 DEEP
6 HOLES .41 DIA.
5.50
3.50
7.00
.50
8.00
9.56
LEAD HOLE 1.00 N.P.T.
TOP OF NAMEPLATE
2.39
10.03
5.25 +.00 -.06
4.25
4.25
4.75
9.50
UNIVERSAL CROP DRYER MOTOR
CUST. NAME
CUST. P.O.
MODEL
INSUL
AMB
H.P.
MTG
R.P.M.
VOLTS
ENCL
PHASE
FREQ
FRAME
TYPE
CERTIFIED BY
REMARKS:
REV: J CHANGED STATOR BAND
SCALE: .4
BY: JKH
REVISED: 03/22/95
FILE: AAA00010097
TDR: 0071516
BALDOR ELECTRIC Co.
SPL HORZ NEMA 213-5Z TEAO 37C CROP DRIER
37E763

CD0127



	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			BALDOR ELECTRIC Co.
REV. LTR: F	BY: EAH	REVISED: 05/05/99 11:19	TDR: 0179909
CD0127		FILE: AAA00006019	MDL: –
		MTL: –	TYPE C, SV, REV, 4 LEADS, SEP MTD CAP

CD0127