

ABB BALDOR RELIANCE III

Customer information packet

UCC10150

10-15HP, 3450RPM, 1PH, 60HZ, 215Z, 3740C, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	215Z
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	15.000 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	41.000 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	83.0 %
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	41.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AT
Type	AC
Mech. spec.	37E764
Base	
Status	PRD/A
Elec. spec.	37WGW977
Layout	37LYE764
Eff. date	01-02-2025
CD Diagram	CD0127
Poles	02
Leads	2#8 A PH,2#14 B PH 32" LG Y
Proprietary	False
Created date	01-01-0001

KVA Code	C
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	2 @ 8 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740C
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.57 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	Included
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.	UCC10150								
SPEC.	37E764W977								
HP	10-15 AIR OVER								
VOLTS	230								
AMP	41-57								
RPM	3450								
FRAME	215Z		HZ	60		PH		1	
SER.F.	1.00		CODE	C		DES	-	CL	F
NEMA-NOM-EFF	83		PF	98					
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	OPEN		SN						

NP1263L									
CAT.NO.	UCC10150								
SPEC.	37E764W977								
HP	10-15 AIR OVER								
VOLTS	230								
AMP	41-57								
RPM	3450								
FRAME	215Z			HZ	60		PH	1	
SER.F.	1.00	CODE	C	DES	-	CL	F		
NEMA-NOM-EFF	83	PF	98						
RATING	40C AMB-CONT								
CC									
DE	6307	ODE	6206						
ENCL	OPEN	SN							

Parts List

Part number	Description	Quantity
SA031064	SA 37E764W977	1.000 ea
RA027103	RA 37E764W977	1.000 ea
OC5000A	OIL CAP.ASSY FOR 37E764W977, 3 OIL CAP'S	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
HA6011A01	ADAPTOR, MACH	1.000 ea
36GS5001	GASKET CONDUIT ADAPTOR	1.000 ea
51XF2520A10	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .62	2.000 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
37EP3203C00	MASTER,ODE,206 BRG,2 GREASERS	1.000 ea
HA1104A01	RODENT SCREEN 37 FRAME 206 BRG FRONT END	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	2.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3204C00	MASTER,DE,307 BRG,2 GREASERS,LOCKED BEAR	1.000 ea
HA1104A05	RODENT SCREEN 37 FRAME 207 BRG PULLEY EN	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 ea
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 ea
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
HW2501E26	KEY, 1/4 SQ X 3.000	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
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025C02	WILKOFASST SG, 787.105, TAN	0.028 ga
LD5000B36	LEAD ASSY, ML1400DF08 W/#10 RING 37"	1.000 ea
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 ea
MP1002A24	6" X 16" .65 MIL. CLEAR PLASTIC BAG	1.000 ea

LB1001	LABEL, GREASE-EXXON POLYREX EM	1.000 ea
LC0127	CONNECTION DIAGRAM	1.000 ea
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 ea
NP1263L	AUX, GP, ALUM, CC, LASER ETCHED	1.000 ea
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
PE-0000004	ZRTG PE ASSEMBLY	1.000 ea
FE-0000004	ZRTG FE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data

Record # 11959

Typical performance - not guaranteed values

Winding: 37WGW977-R001			Type: 3740C		Enclosure: OPAO		
Nameplate Data			230 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		10-15 AIR OVER	Full Load Torque		22.8 LB-FT		
Volts		230	Start Configuration		direct on line		
Full Load Amps		41-57	Breakdown Torque		46 LB-FT		
R.P.M.		3450	Pull-up Torque		5.3 LB-FT		
Hz		60 Phase	1		Locked-rotor Torque		6.5 LB-FT
NEMA Design Code		- KVA Code	C		Starting Current		245 A
Service Factor (S.F.)		1			No-load Current		16.3 A
NEMA Nom. Eff.		83 Power Factor	98		Line-line Res. @ 25°C		0.196 Ω A Ph 0.344 Ω B Ph
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load				

Load Characteristics 230 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	78	92	98	99	99	99
Efficiency	68.7	81.5	85.1	85.2	83.2	79.1
Speed	3565	3533	3496	3453	3400	3324
Line amperes	22.7	32.4	43.9	57.4	73.1	93.2

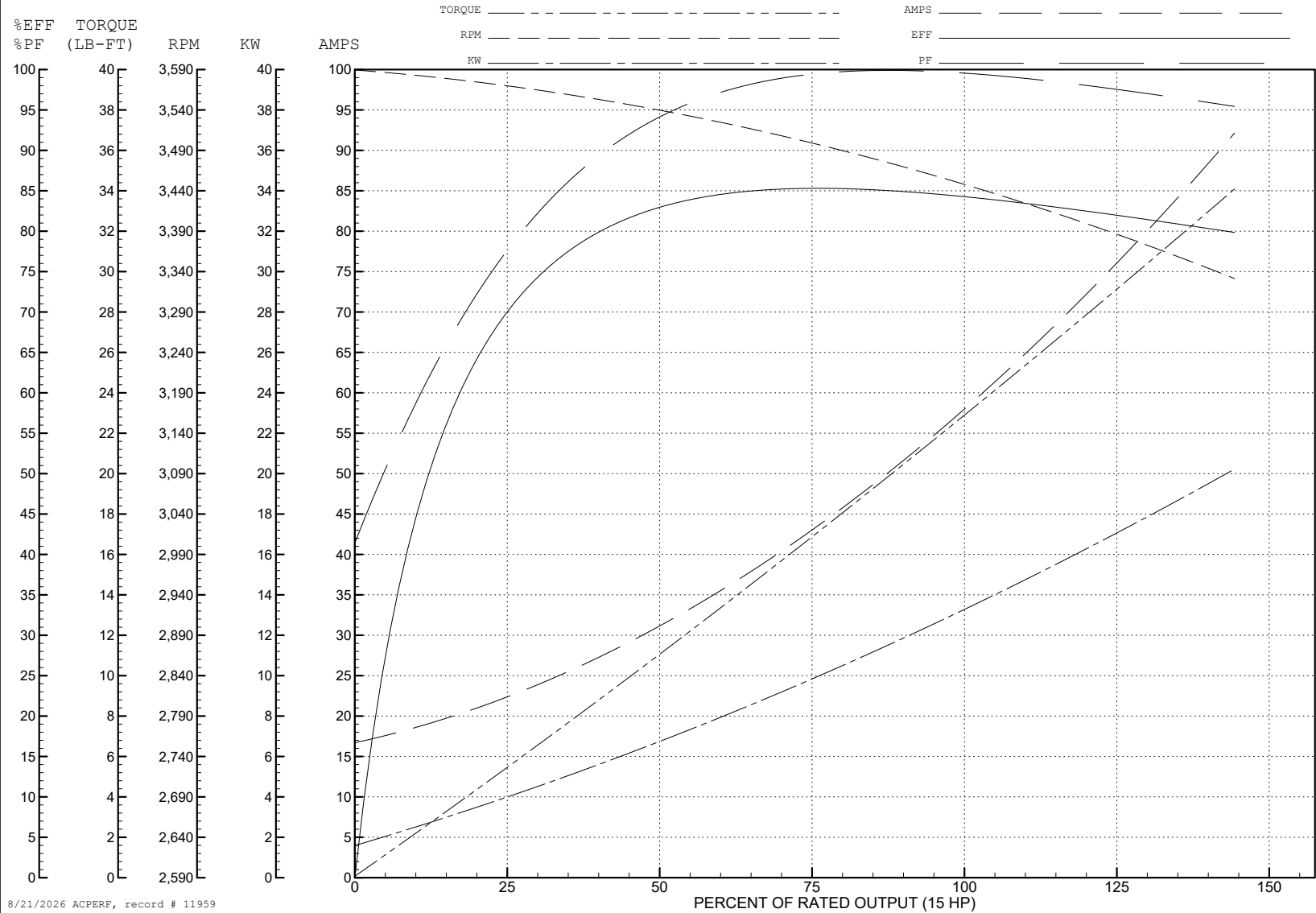
ABB Motors and Mechanical Inc.

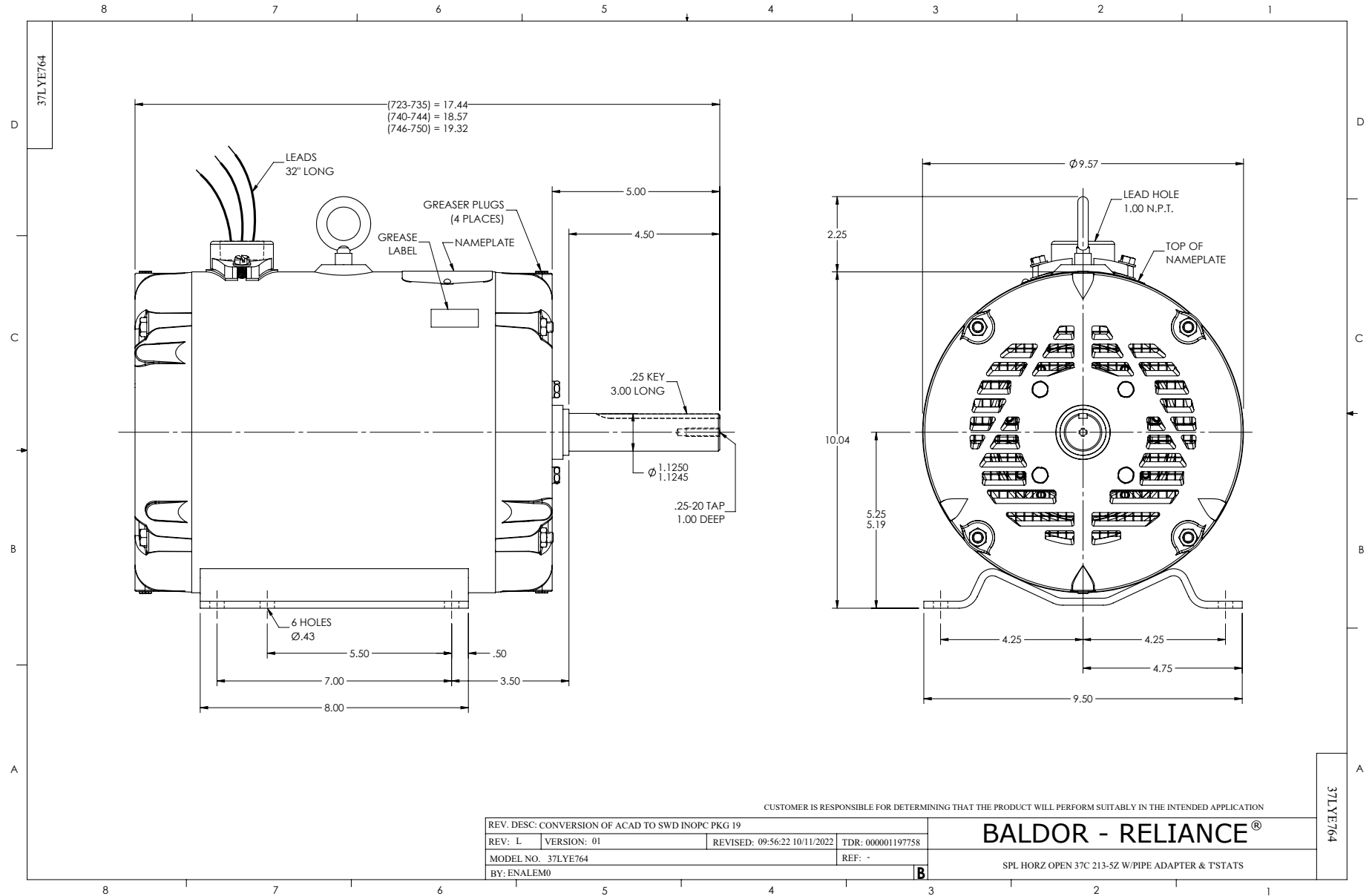
WINDING # 37WGW977

Typical performance - not guaranteed values.

15 HP 1 PH 60 HZ 3450 RPM 230 V 3740C

TORQUES (LB-FT): PO=46 PU=5.3 LR=6.5 LRA=245





CD0127

