

ABB BALDOR RELIANCE III

Customer information packet

UCL1015

10-15 AIR OVERHP, 3450RPM, 1PH, 60HZ, 215Z, 3

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	Cap Start, Cap 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	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	44.000 A @ 230.0 V
Design Code	L
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	44.0 a
Insulation Class	F

Part Detail

Revision	U
Type	AC
Mech. spec.	37M291
Base	
Status	PRD/A
Elec. spec.	37WGW198
Layout	37LYM291
Eff. date	01-02-2025
CD Diagram	CD0208
Poles	02
Leads	2#8 A PH,2#14 B PH 32" long Y
Proprietary	False
Created date	01-07-2010

Inverter Code	Not Inverter
KVA Code	G
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	3744LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	17.81 IN
Power Factor	89
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.	UCL1015								
SPEC.	37M291W198								
HP	10-15 AIR OVER								
VOLTS	230								
AMP	45-64								
RPM	3450								
FRAME	215Z	HZ	60	PH		1			
SER.F.	1.00	CODE	G	DES	L	CL	F		
NEMA-NOM-EFF	84	PF	89						
RATING	40C AMB-CONT								
CC									
DE	6307	ODE	6206						
ENCL	OPEN	SN							

NP1263L											
CAT.NO.	UCL1015										
SPEC.	37M291W198										
HP	10-15 AIR OVER										
VOLTS	230										
AMP	45-64										
RPM	3450										
FRAME	215Z			HZ	60			PH	1		
SER.F.	1.00	CODE	G	DES	L	CL	F				
NEMA-NOM-EFF	84	PF	89								
RATING	40C AMB-CONT										
CC											
DE	6307	ODE	6206								
ENCL	OPEN	SN									

AC Induction Motor Performance Data

Record # 11817

Typical performance - not guaranteed values

Winding: 37WGW198-R001			Type: 3744LC		Enclosure: OPAO	
Nameplate Data			230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		10-15 AIR OVER	Full Load Torque		22.5 LB-FT	
Volts		230	Start Configuration		direct on line	
Full Load Amps		45-64	Breakdown Torque		53 LB-FT	
R.P.M.		3450	Pull-up Torque		37.9 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		42.3 LB-FT	
NEMA Design Code		L KVA Code	Starting Current		394 A	
Service Factor (S.F.)		1	No-load Current		18 A	
NEMA Nom. Eff.		84 Power Factor	Line-line Res. @ 25°C		0.134 Ω A Ph 0.774 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load			
			Locked-rotor Power Factor		65.5	
			Rotor inertia		0.41 lb-ft²	

Load Characteristics 230 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	73	86	91	92	92	89
Efficiency	68.6	79.6	82.6	82.8	80	76
Speed	3575	3555	3531	3498	3460	3400
Line amperes	24.8	36	48.7	64	81.7	105

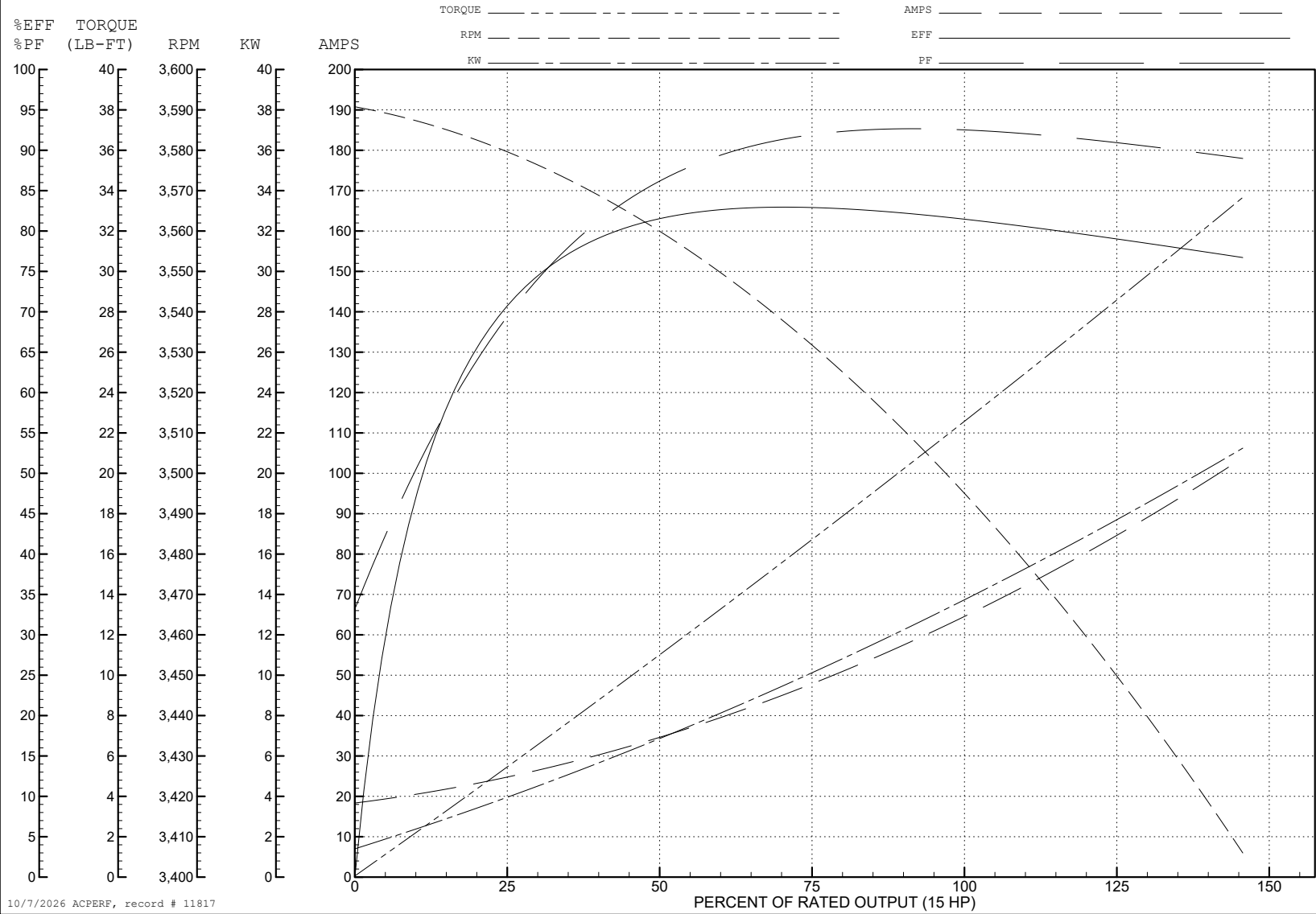
ABB Motors and Mechanical Inc.

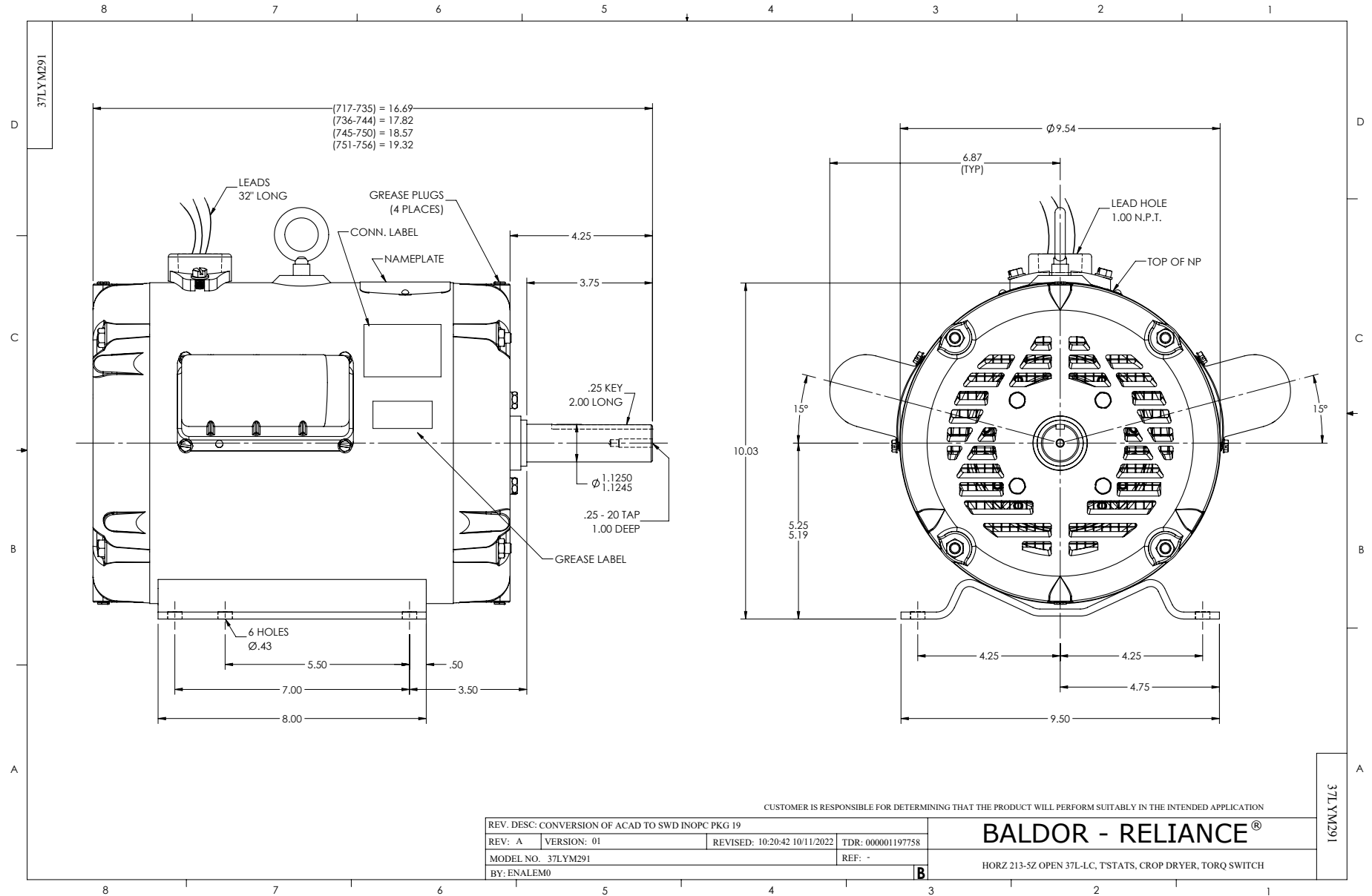
WINDING # 37WGW198

Typical performance - not guaranteed values.

15 HP 1 PH 60 HZ 3450 RPM 230 V 3744LC

TORQUES (LB-FT): PO=53 PU=37.9 LR=42.3 LRA=394





CD0208

