ABB BALDOR RELIANCE

Customer information packet

CEWDM3708T

5HP, 1165RPM, 3PH, 60HZ, 215TC, 3746M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
	NEMA PREMIUM
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	15.600 A @ 208.0 V
	15.600 A @ 230.0 V
	7.800 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.8 a

Part Detail

Revision	A
Type	AC
Mech. spec.	37G815
Base	
Status	PRD/A
Elec. spec.	37WGZ714
Layout	37LYG815
Eff. date	08-31-2026
CD Diagram	CD0005
Poles	06
Leads	9#14
Proprietary	False
Created date	11-05-2025

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3746M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	20.51 IN
Power Factor	67
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1165 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1669L									
CAT.NO.	CEWDM3708T								
SPEC.	37G815Z714								
HP	5								
VOLTS	230/460								
AMP	15.6/7.8								
RPM	1165								
FRAME	215TC	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	K	**DES**	A	**CLASS**	F		
NEMA-NOM-EFF	89.5	**PF**	67						
RATING	40C AMB-CONT								
CC									
DE	6307	**ODE**	6206						
ENCL	TEFC	**SN**							
BLANK	20:1CT, 20:1VT								

Parts List

Part number	Description	Quantity
SA443061	SA 37G815Z714	1.000 ea
RA435557	RA 37G815Z714	1.000 ea
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
37CB3005A04W	CASTING W/.75 NPT@6(MACH WHITE)	1.000 ea
37GS1025	37 MOLDED GASKET W/LIP, LEAD SEAL	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
37EP3101A94MW	FRONT TEFC L&M 206 BRG W/O GRSR (WHITE)	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3300A23MW	WHITE EPOXY EP MACH COMPL	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
HW4600B51	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 ea
10XN2520S30	1/4-20 X 1 7/8 HEX HEAD SS	4.000 ea
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 ea
07FH4011	WASHDOWN IEC FH W/PRIMED	1.000 ea
11XW1032S06	SCREW, HXWSHR HD SLDTYF 410 SS	3.000 ea
HW4600B74	V-RING SLINGER 1.125 X 1.445 X .24 VITON	1.000 ea
HW4600B31SP	V-RING SLINGER 1.438 X 1.758 X .24 VITON	1.000 ea
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 ea
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 ea
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 ea
HW2502F21	#303 SS,SQ KEY 5/16 X 2.375	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 ea

MG1025Z02	ACTIVATOR WILKOFAST 060.02HF	0.010 ga
MG1025W01	WILKOFAST, 781.01, SIGNAL WHITE #9003	0.028 ga
HA3104S18	THRU BOLT STAINLESS ST. .31-18 UNC-2A X	4.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP1669L	SS WD SUPER-E UL PREM REV MTG	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

AC Induction Motor Performance Data
Record # 113577
Preliminary Data Sheet

Winding: 37WGZ714-R001	**Type:** 3746M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	22.45 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			15.6/7.8	**Breakdown Torque**	86.4 LB-FT
R.P.M.			1165	**Pull-up Torque**	57.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	62.6 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	59.4 A
Service Factor (S.F.)			1.15	**No-load Current**	4.66 A
NEMA Nom. Eff.	89.5	**Power Factor**	67	**Line-line Res. @ 25ºC**	1.59 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	61°C
S.F. Amps			17.3/8.64	**Temp. Rise @ S.F. Load**	74°C
				Locked-rotor Power Factor	22.7
				Rotor inertia	1.14 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	29	47	59	67	71	74	69
Efficiency	83	88.6	89.7	89.5	88.5	87.2	88.9
Speed	1192	1184	1176	1166	1156	1144	1160
Line amperes	4.92	5.65	6.58	7.8	9.21	10.83	8.65

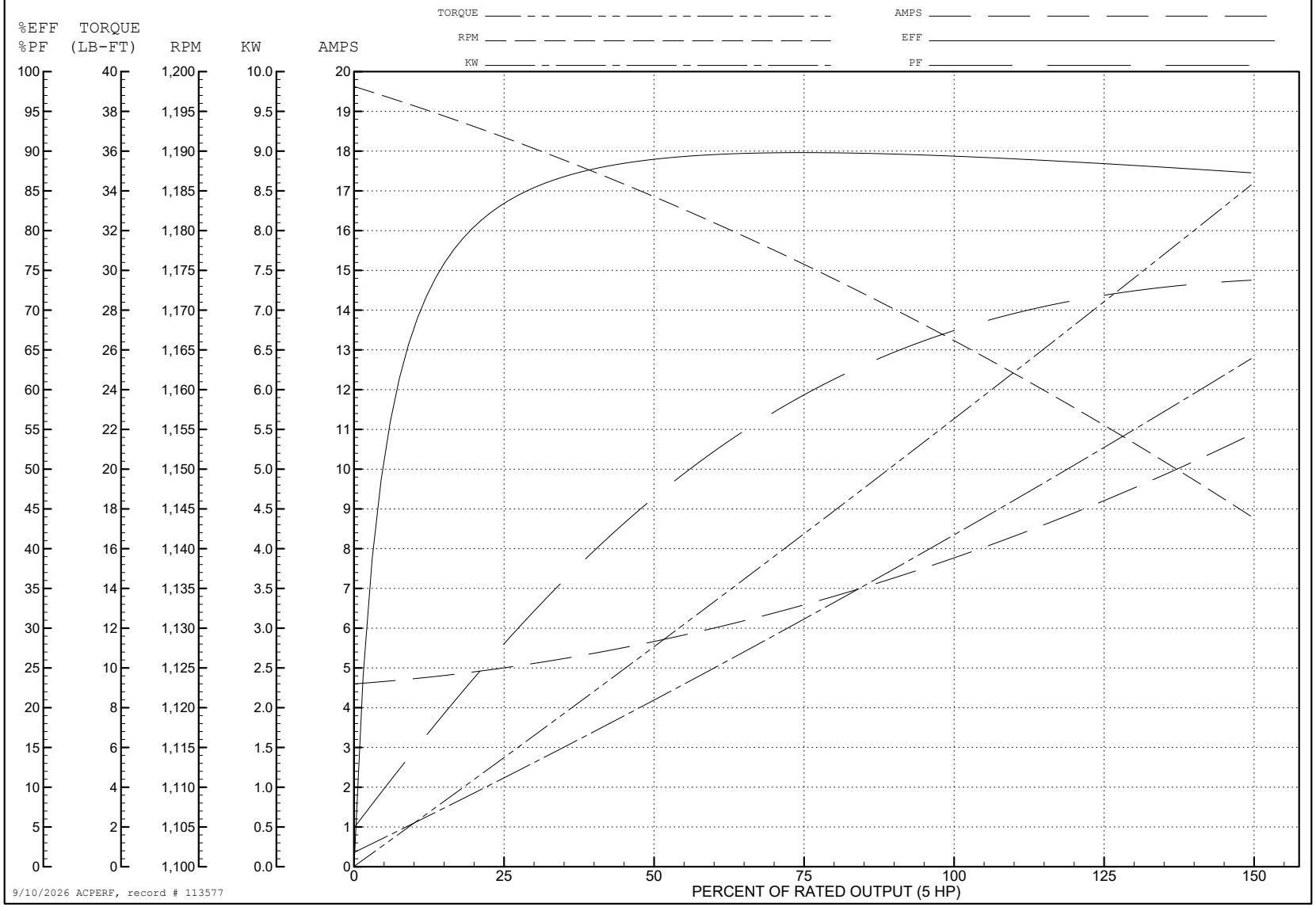
ABB Motors and Mechanical Inc.

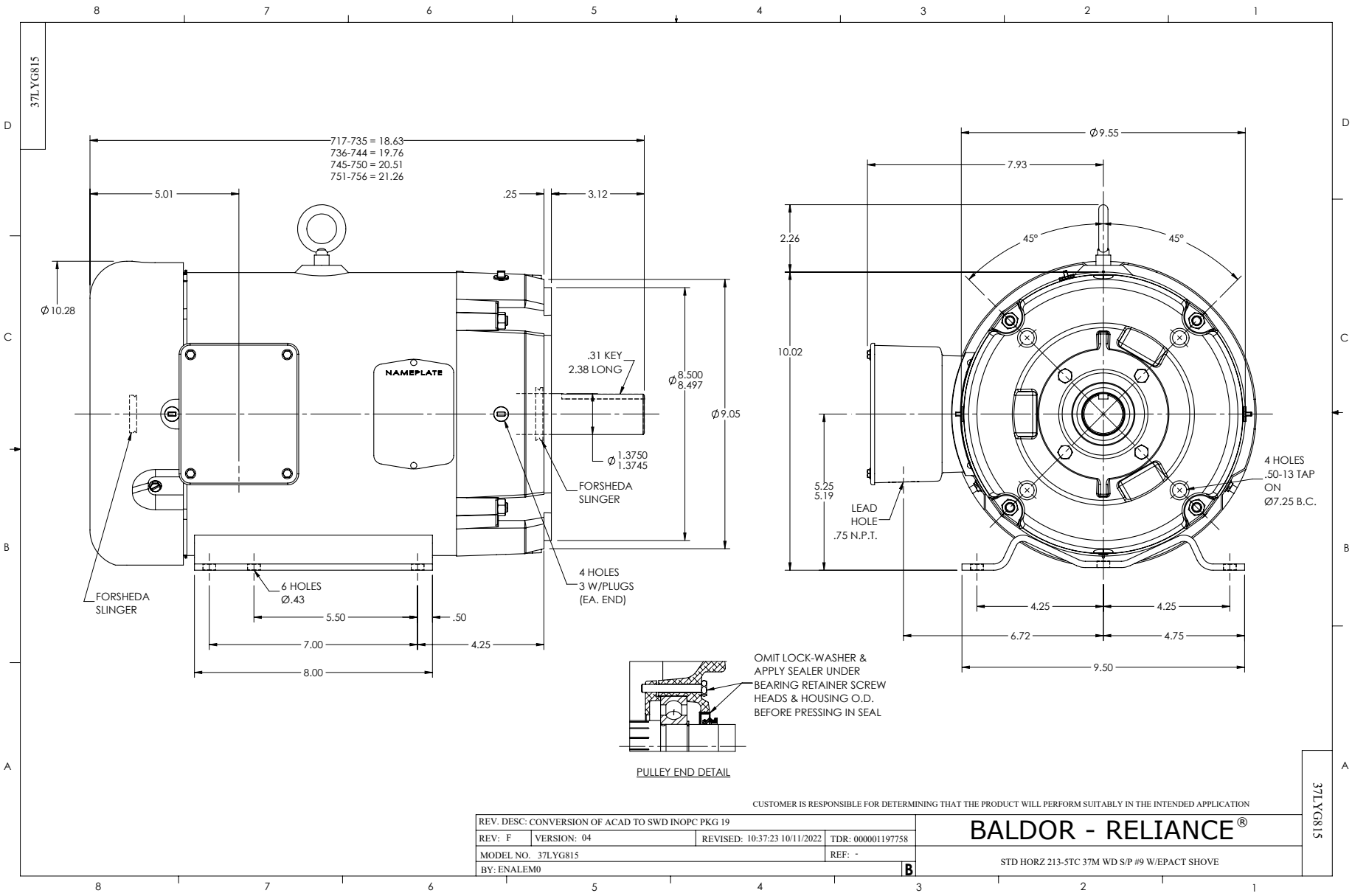
WINDING # 37WGZ714

5 HP 3 PH 60 HZ 1165 RPM 460 V 3746M

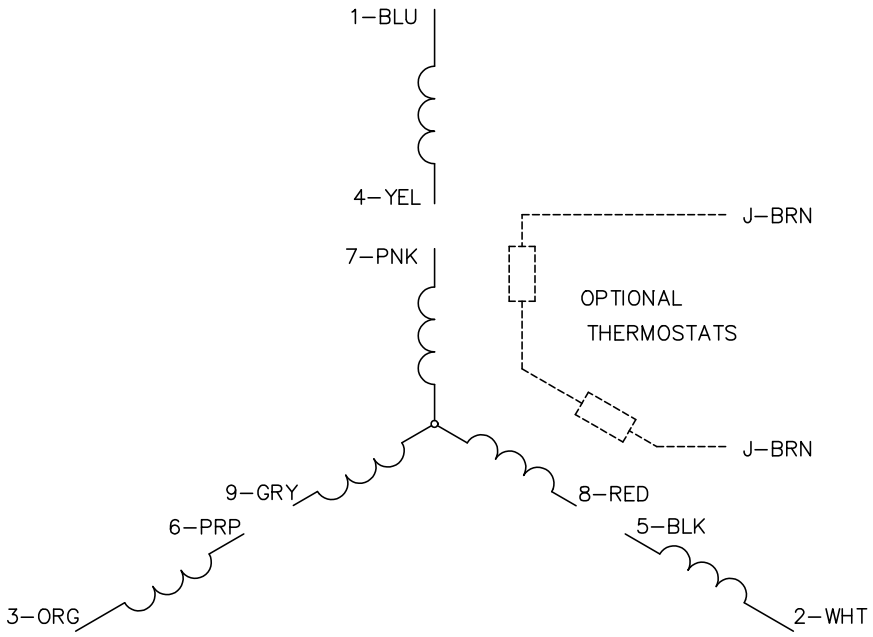
Typical performance - not guaranteed values.

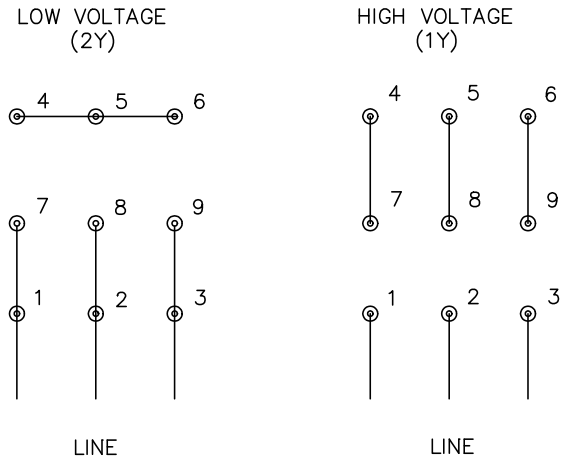
TORQUES(LB-FT): PO=86.4 PU=57.4 LR=62.6 LRA=59.4




37LYG815
717-735 = 18.63
736-744 = 19.76
745-750 = 20.51
751-756 = 21.26
5.01
.25
3.12
Ø10.28
NAMEPLATE
.31 KEY
2.38 LONG
Ø8.500
8.497
Ø9.05
Ø1.3750
1.3745
FORSHEDA
SLINGER
FORSHEDA
SLINGER
6 HOLES
Ø.43
4 HOLES
3 W/PLUGS
(EA. END)
5.50
.50
7.00
4.25
8.00
Ø9.55
7.93
45°
45°
2.26
10.02
5.25
5.19
LEAD
HOLE
.75 N.P.T.
4 HOLES
.50-13 TAP
ON
Ø7.25 B.C.
4.25
4.25
6.72
4.75
9.50
OMIT LOCK-WASHER &
APPLY SEALER UNDER
BEARING RETAINER SCREW
HEADS & HOUSING O.D.
BEFORE PRESSING IN SEAL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: F
VERSION: 04
REVISED: 10:37:23 10/11/2022
TDR: 000001197758
MODEL NO. 37LYG815
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 213-5TC 37M WD S/P #9 W/EPACT SHOVE
37LYG815

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS