ABB BALDOR RELIANCE

Customer information packet

CEWDM3614T

2HP, 1175RPM, 3PH, 60HZ, 184TC, 3644M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	184TC
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	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	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	7.000 A @ 208.0 V
	7.000 A @ 230.0 V
	3.500 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	T
Type	AC
Mech. spec.	36F317
Base	
Status	PRD/A
Elec. spec.	36WGS917
Layout	36LYF317
Eff. date	02-12-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	06-04-2012

Heater Indicator	No Heater
High Voltage Full Load Amps	3.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3644M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.04 IN
Power Factor	60
Product Family	Wash Down
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1175 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.	CEWDM3614T										
SPEC.	36F317S917G1										
HP	2										
VOLTS	230/460										
AMP	7/3.5										
RPM	1175										
FRAME	184TC	**HZ**	60			**PH**	3				
SER.F.	1.15	**CODE**	M	**DES**	A	**CLASS**	F				
NEMA-NOM-EFF	88.5	**PF**	60								
RATING	40C AMB-CONT										
CC	010A										
DE	6206	**ODE**	6205								
ENCL	TEFC	**SN**									
BLANK	20:1CT, 20:1VT										

Parts List

Part number	Description	Quantity
SA246182	SA 36F317S917G1	1.000 ea
RA233067	RA 36F317S917G1	1.000 ea
36FN3000B01	EXFN, PLASTIC, 6.00 OD, .912 ID	1.000 ea
35GS1040	35 MOLDED GASKET W/LIP, LEAD SEAL,	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	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
36EP3101A57MW	FRONT ENDPLATE, MACH. W/WHITE EPOXY	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36PE3301A27MW	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
HW4600B50	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 ea
10XN2520S26	1/4-20X 1 5/8 HEX HD SS	4.000 ea
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 ea
36CB4518	36 LIPPED CB LID PRIMED	1.000 ea
37GS3010SP	1/16"WHITE LID GASKET	1.000 ea
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 ea
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 ea
HW4600B36SP	V-RING SLINGER 1.188 X 1.380 X .24 VITON	1.000 ea
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	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
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
36FH4010	IEC FH NO GREASER - W/PRIMER	1.000 ea
MG1025Z02	ACTIVATOR WILKOFAST 060.02HF	0.010 ga
MG1025W01	WILKOFAST, 781.01, SIGNAL WHITE #9003	0.022 ga

LB1164	LABEL,WARNING AND DRAIN	1.000 ea
HA3101S28	THRUBOLT- 1/4-20 X 12.50 SS	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
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

AC Induction Motor Performance Data
Record # 53367
Typical performance - not guaranteed values

Winding: 36WGS917-R019	**Type:** 3644M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	8.91 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			7/3.5	**Breakdown Torque**	40.2 LB-FT
R.P.M.			1175	**Pull-up Torque**	21.6 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	28.2 LB-FT
NEMA Design Code	A	**KVA Code**	M	**Starting Current**	27.5 A
Service Factor (S.F.)			1.15	**No-load Current**	2.45 A
NEMA Nom. Eff.	88.5	**Power Factor**	60	**Line-line Res. @ 25ºC**	4.02 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	34°C
S.F. Amps				**Temp. Rise @ S.F. Load**	39°C
				Locked-rotor Power Factor	28.7
				Rotor inertia	0.413 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	24	40	52	60	66	70	64
Efficiency	76.4	85.3	87.9	88.8	88.9	88.2	88.8
Speed	1197	1191	1186	1179	1173	1166	1175
Line amperes	2.53	2.76	3.09	3.49	3.97	4.52	3.78

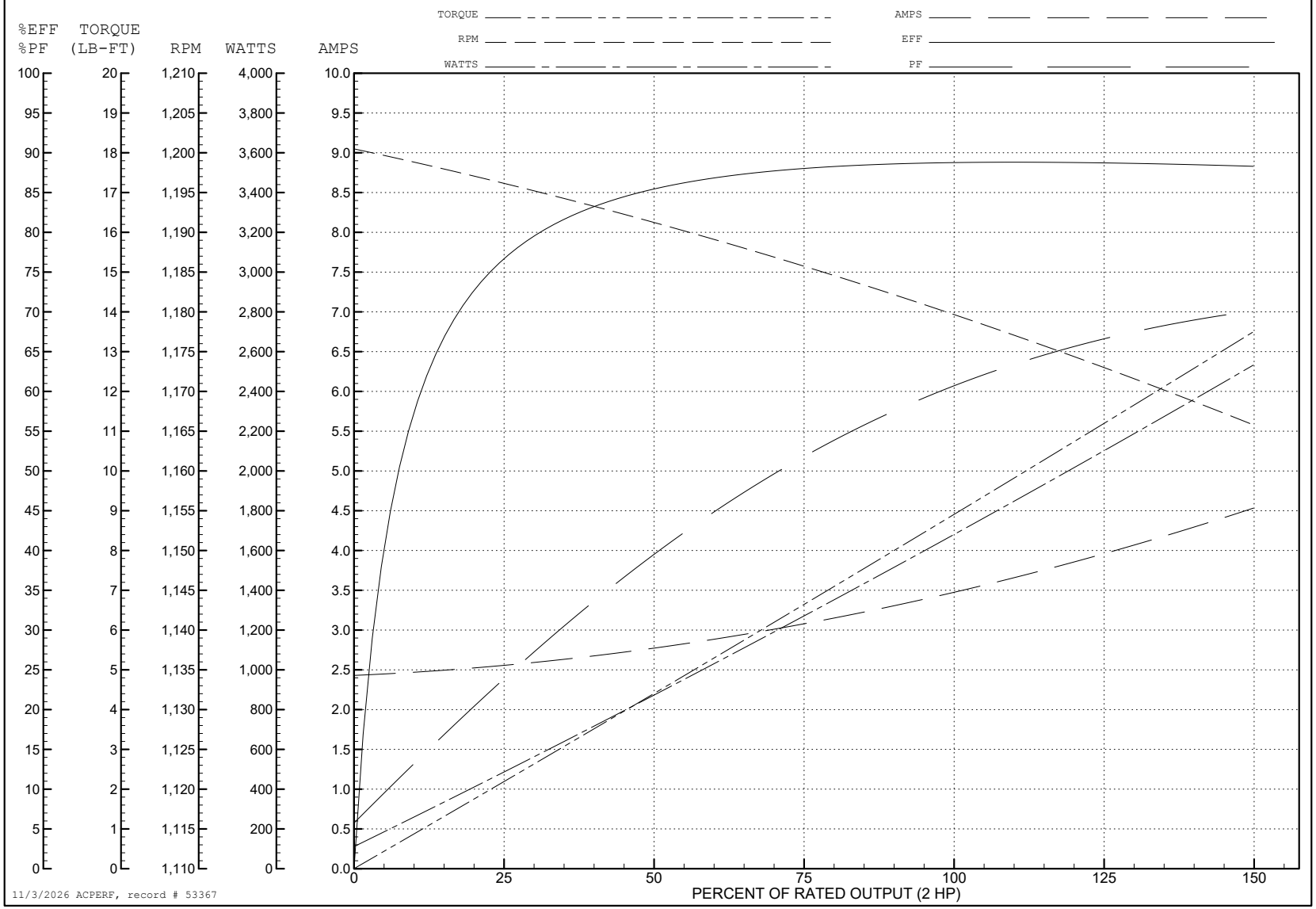
ABB Motors and Mechanical Inc.

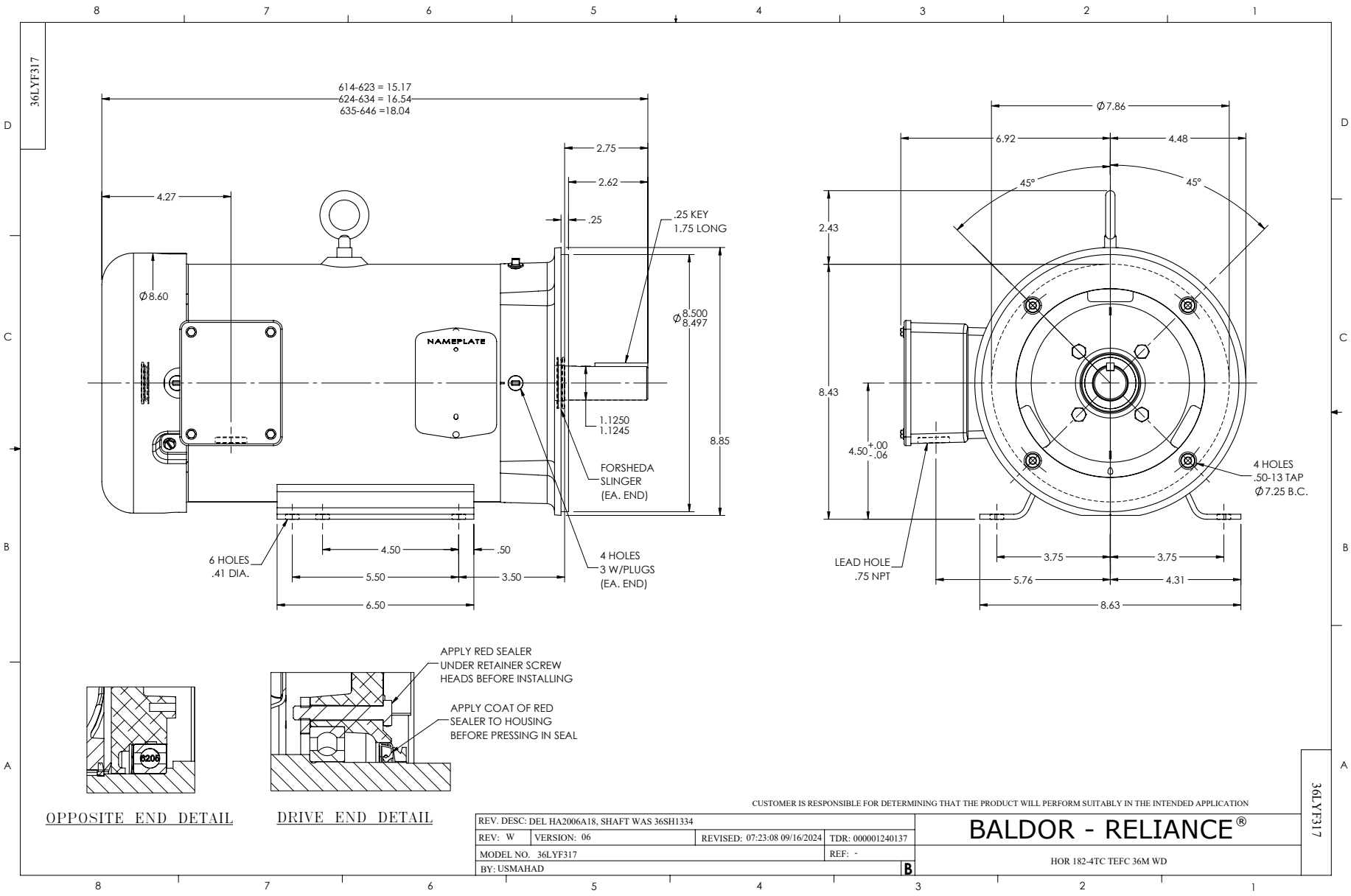
WINDING # 36WGS917

2 HP 3 PH 60 HZ 1175 RPM 460 V 3644M

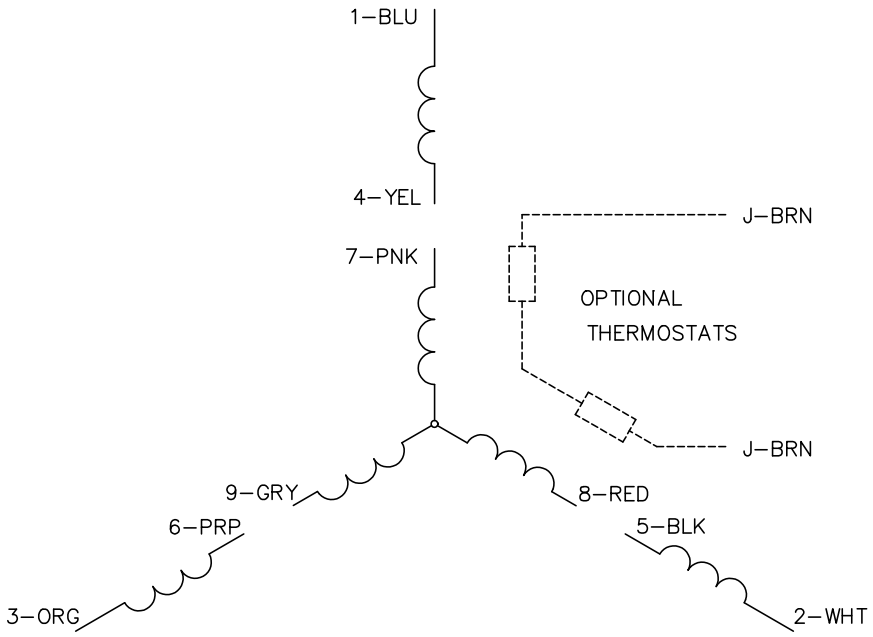
Typical performance - not guaranteed values.

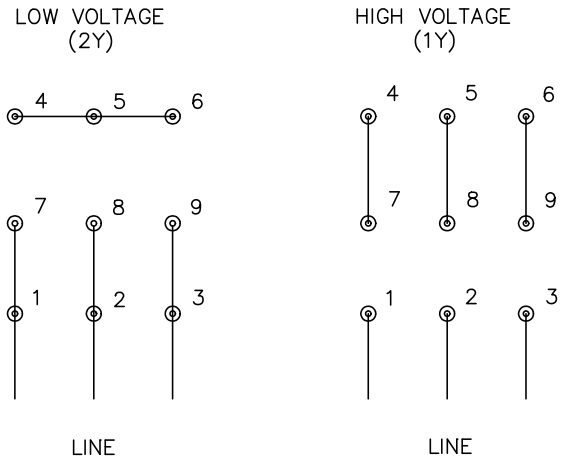
TORQUES(LB-FT): PO=40.2 PU=21.6 LR=28.2 LRA=27.5




36LYF317
614-623 = 15.17
624-634 = 16.54
635-646 =18.04
2.75
2.62
.25
.25 KEY
1.75 LONG
4.27
Ø8.60
Ø8.500
8.497
NAMEPLATE
1.1250
1.1245
8.85
FORSHEDA
SLINGER
(EA. END)
6 HOLES
.41 DIA.
4.50
.50
5.50
3.50
6.50
4 HOLES
3 W/PLUGS
(EA. END)
Ø7.86
6.92
4.48
45°
45°
2.43
8.43
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 NPT
3.75
3.75
5.76
4.31
8.63
APPLY RED SEALER
UNDER RETAINER SCREW
HEADS BEFORE INSTALLING
APPLY COAT OF RED
SEALER TO HOUSING
BEFORE PRESSING IN SEAL
6206
OPPOSITE END DETAIL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: DEL HA2006A18, SHAFT WAS 36SH1334
REV: W
VERSION: 06
REVISED: 07:23:08 09/16/2024
TDR: 000001240137
MODEL NO. 36LYF317
REF: -
BY: USMAHAD
B
BALDOR - RELIANCE®
HOR 182-4TC TEFC 36M WD
36LYF317

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