Customer information packet

EWDM3617T

1HP, 850RPM, 3PH, 60HZ, 182T, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	182T
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	NEMA PREMIUM
	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	2.300 A @ 460.0 V
	4.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	2.3 a

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGR622
Layout	36LYK186
Eff. date	02-14-2024
CD Diagram	CD0005
Poles	08
Leads	9#16
Proprietary	False
Created date	12-03-2019

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	16.54 IN
Power Factor	52
Product Family	Wash Down
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	850 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.	EWDM3617T								
SPEC.	36-0000-0238								
HP	1								
VOLTS	230/460								
AMP	4.6/2.3								
RPM	850								
FRAME	182T	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF	75.5	**PF**	52						
RATING	40C AMB-CONT								
CC	010A								
DE	6206	**ODE**	6205						
ENCL	TEFC	**SN**							
BLANK	10:1CT, 10:1VT,1.00SF								

Parts List

Part number	Description	Quantity
SA377333	SA 36-0000-0238	1.000 ea
RA367249	RA 36-0000-0238	1.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
36FH4010A08	IEC FH NO GREASER - W/PRIMER	1.000 ea
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 ea
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3101S25	THRUBOLT 1/4-20 X 11.00	4.000 ea
XY2520S12	1/4-20 SS HEX NUT	4.000 ea
36EP3104A03MW	FREP MACH (RAISED FH PADS) WHITE EPOXY	1.000 ea
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
36EP3100A40MW	PU ENDPLATE-ENCL.WASH DOWN DUTY (WHITE E	1.000 ea
HW4600B36SP	V-RING SLINGER 1.188 X 1.380 X .24 VITON	1.000 ea
HW4600B50	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 ea
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 ea
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 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
MG1025W01	WILKOFAST, 781.01, SIGNAL WHITE #9003	0.022 ga

MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
36PA1001	PKG GRP, PRINT PK1017A07	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
MG1025Z02	ACTIVATOR WILKOFAST 060.02HF	0.022 ga
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000002	ZRTG PE ASSEMBLY	1.000 ea

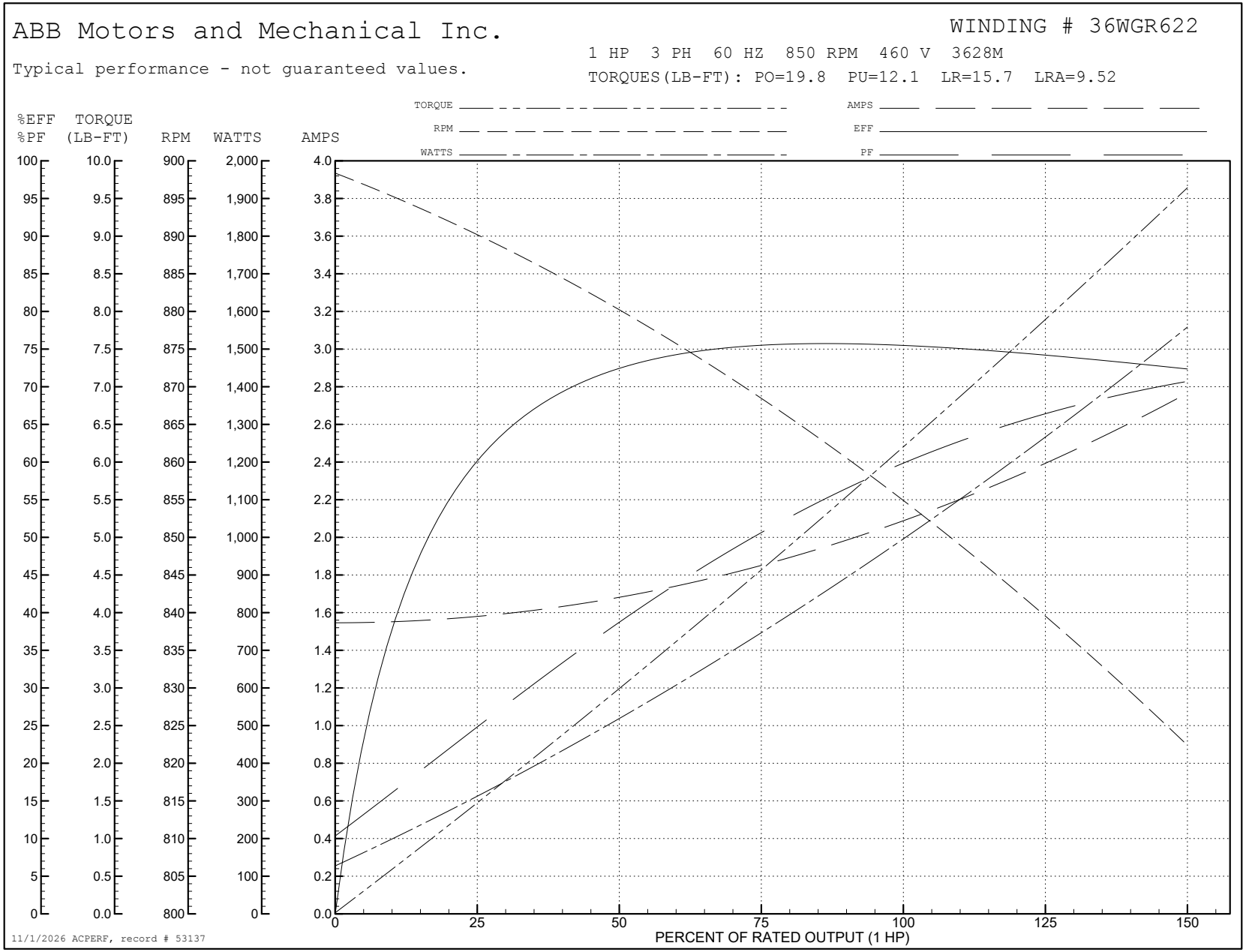
AC Induction Motor Performance Data
Record # 53137
Typical performance - not guaranteed values

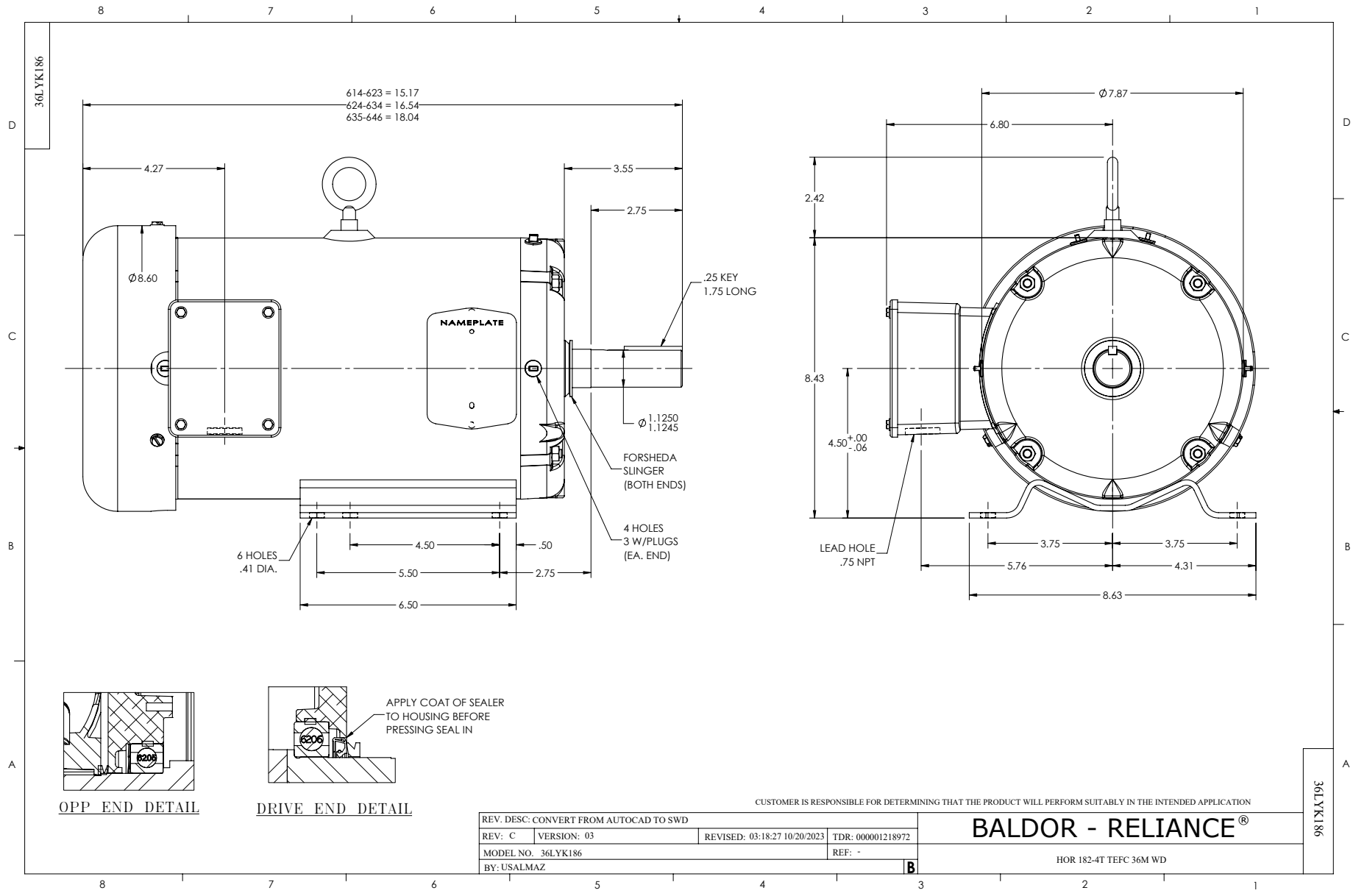
Winding: 36WGR622-R002	**Type:** 3628M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	6.26 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			4.6/2.3/2.3	**Breakdown Torque**	19.8 LB-FT
R.P.M.			850	**Pull-up Torque**	12.1 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	15.7 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	9.52 A
Service Factor (S.F.)			1.15	**No-load Current**	1.55 A
NEMA Nom. Eff.	75.5	**Power Factor**	52	**Line-line Res. @ 25ºC**	16.051 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	62°C
S.F. Amps				**Temp. Rise @ S.F. Load**	74°C

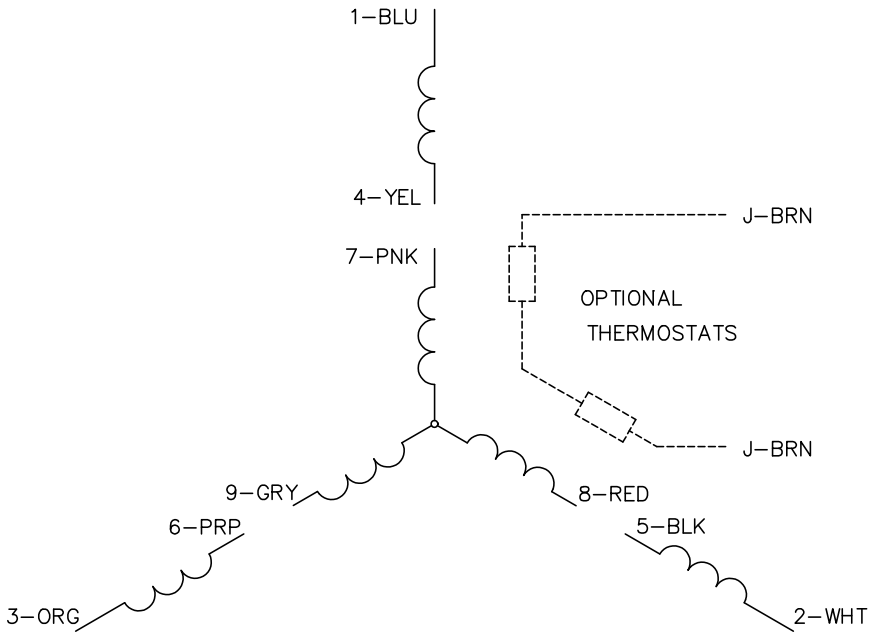
Load Characteristics 460 V, 60 Hz, 1 HP

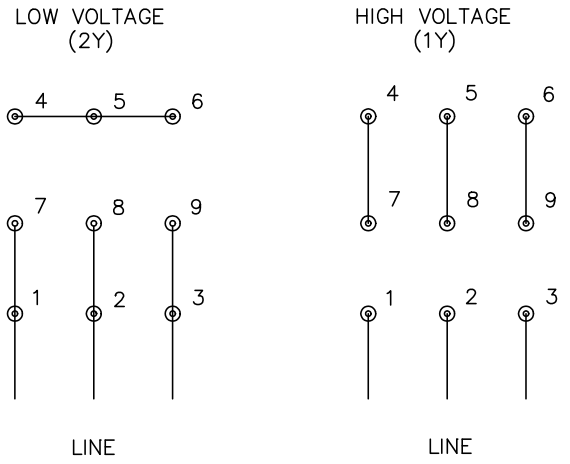
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	26	40	51	60	66	71	64
Efficiency	60.2	71.8	75.3	75.9	74.6	72.1	75.1
Speed	889.5	879.2	868.1	855	840	821.8	846
Line amperes	1.57	1.69	1.87	2.09	2.39	2.77	2.27


ABB Motors and Mechanical Inc.
WINDING # 36WGR622
1 HP 3 PH 60 HZ 850 RPM 460 V 3628M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=19.8 PU=12.1 LR=15.7 LRA=9.52
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1 HP)
11/1/2026 ACPERF, record # 53137


36LYK186
614-623 = 15.17
624-634 = 16.54
635-646 = 18.04
4.27
3.55
2.75
Ø8.60
.25 KEY
1.75 LONG
NAMEPLATE
Ø1.1250
1.1245
FORSHEDA
SLINGER
(BOTH ENDS)
4 HOLES
3 W/PLUGS
(EA. END)
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
Ø7.87
6.80
2.42
8.43
4.50 +.00 -.06
LEAD HOLE
.75 NPT
3.75
3.75
5.76
4.31
8.63
6206
APPLY COAT OF SEALER
TO HOUSING BEFORE
PRESSING SEAL IN
OPP END DETAIL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: C
VERSION: 03
REVISED: 03:18:27 10/20/2023
TDR: 000001218972
MODEL NO. 36LYK186
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HOR 182-4T TEFC 36M WD
36LYK186

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