ABB BALDOR RELIANCE

Customer information packet

EM3667T-BG

1.5HP, 1170RPM, 3PH, 60HZ, 182T, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 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	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	5.000 A @ 230.0 V
	2.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGW969
Layout	06LYK800
Eff. date	04-29-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	04-11-2019

Insulation Class	H
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0630M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.24 IN
Power Factor	65
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1170 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3441LUA											
CAT.NO.	EM3667T-BG										
SPEC	06-0000-0090										
HP	1.5										
VOLTS	230/460										
AMPS	5/2.5										
RPM	1170										
FRAME	182T	**HZ**	60	**PH**	3						
SF	1.15	**CODE**	K	**DES**	B	**CLASS**	H				
NEMA NOM. EFF	87.5	**PF**	65								
RATING	40C AMB-CONT										
CC	010A										
ENCL	TEFC	**SER**									
DE	6206	**ODE**	6205								
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	50HZ 1.5HP 190/380V 5.8/2.9A										SF1.0

Parts List

Part number	Description	Quantity
SA368359	SA 06-0000-0090	1.000 ea
RA357865	RA 06-0000-0090	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP3441LUA	AL SUPER-E VPWM INV RDY,UL EEV,NEMA PREM	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
HW3201A05	3/8-16 EYEBOLT	1.000 ea
36FH4009A03SP	IEC FH , W/ PRIMER	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3101A53	THRUBOLT 1/4-20 X 10.50	4.000 ea
LB1508	LABEL "SHAFT GROUNDING BRUSH" 1.50 X .81	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
36EP1101A01	FR ENDPLATE, MACH	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
36EP1100A118	PU EP W/206 LOCKED BRG & TGSLV	1.000 ea
10XN2520A20	1/4-20X 1 1/4 HEX HD X	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
BP5338A06	SHAFT GRD BRUSH, RB4014A05 RETAINER RING	1.000 ea
06CB3000	BALDOR CONDUIT BOX CAST	1.000 ea
06GS1000	GASKET,CONDUIT BOX	1.000 ea
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 ea
06CB3500	BALDOR CONDUIT BOX LID	1.000 ea
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 ea

51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.022 ga
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
HW2501E17	.250 SQUARE X 1.875 LONG LOW CARBON STEE	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea

AC Induction Motor Performance Data
Record # 75471
Typical performance - not guaranteed values

Winding: 06WGW969-R006	**Type:** 0630M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	6.77 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			5/2.5	**Breakdown Torque**	24 LB-FT
R.P.M.			1170	**Pull-up Torque**	12.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	15.8 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	16.19 A
Service Factor (S.F.)			1.15	**No-load Current**	1.63 A
NEMA Nom. Eff.	87.5	**Power Factor**	65	**Line-line Res. @ 25ºC**	7.01 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	26°C
S.F. Amps				**Temp. Rise @ S.F. Load**	31°C
				Locked-rotor Power Factor	30.4
				Rotor inertia	0.282 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	44	56	64	69	73	67
Efficiency	76.3	84.8	86.8	87.5	87.1	85.8	87.3
Speed	1194	1187	1179	1172	1163	1153	1167
Line amperes	1.7	1.9	2.18	2.51	2.92	3.38	2.76

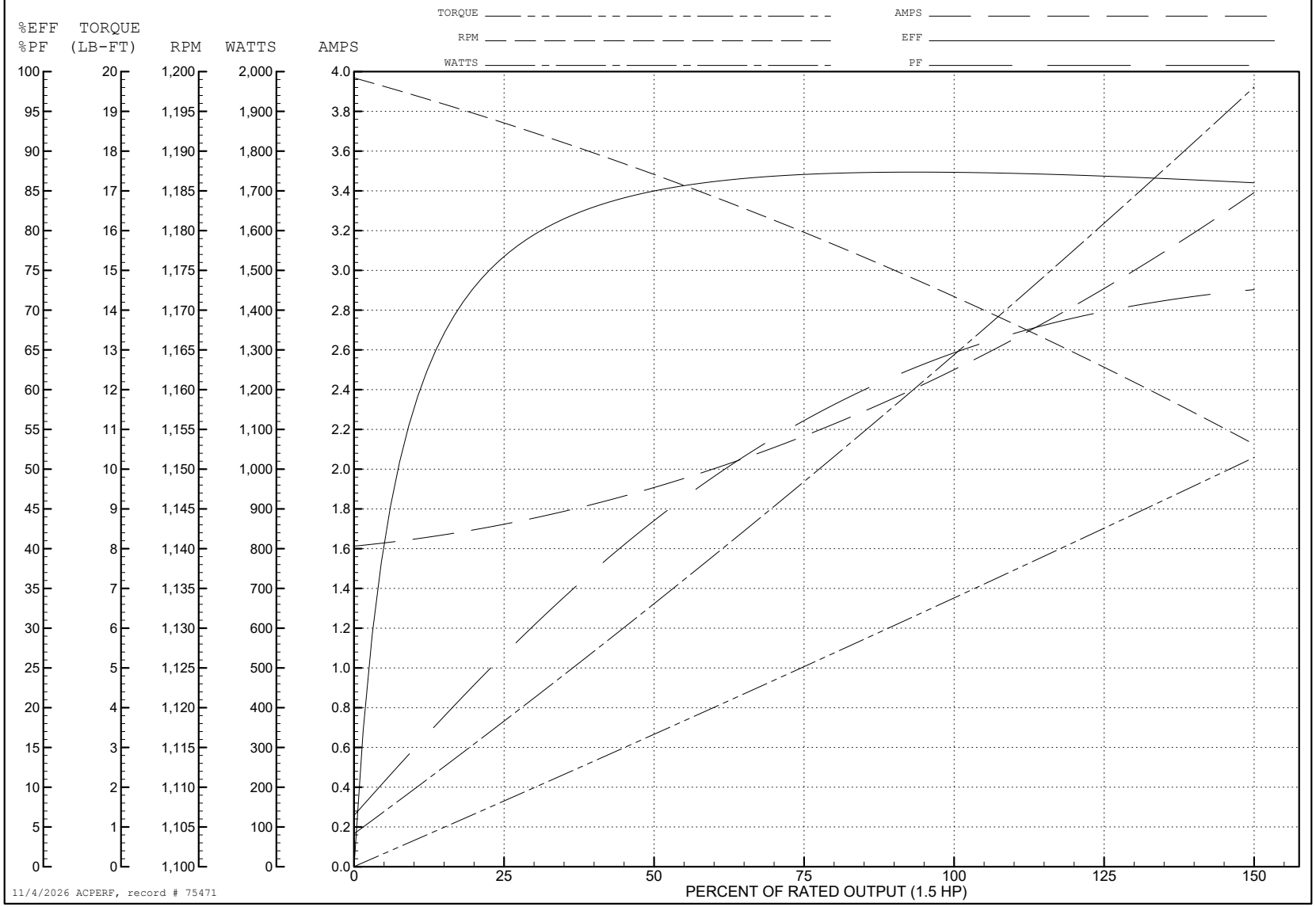
ABB Motors and Mechanical Inc.

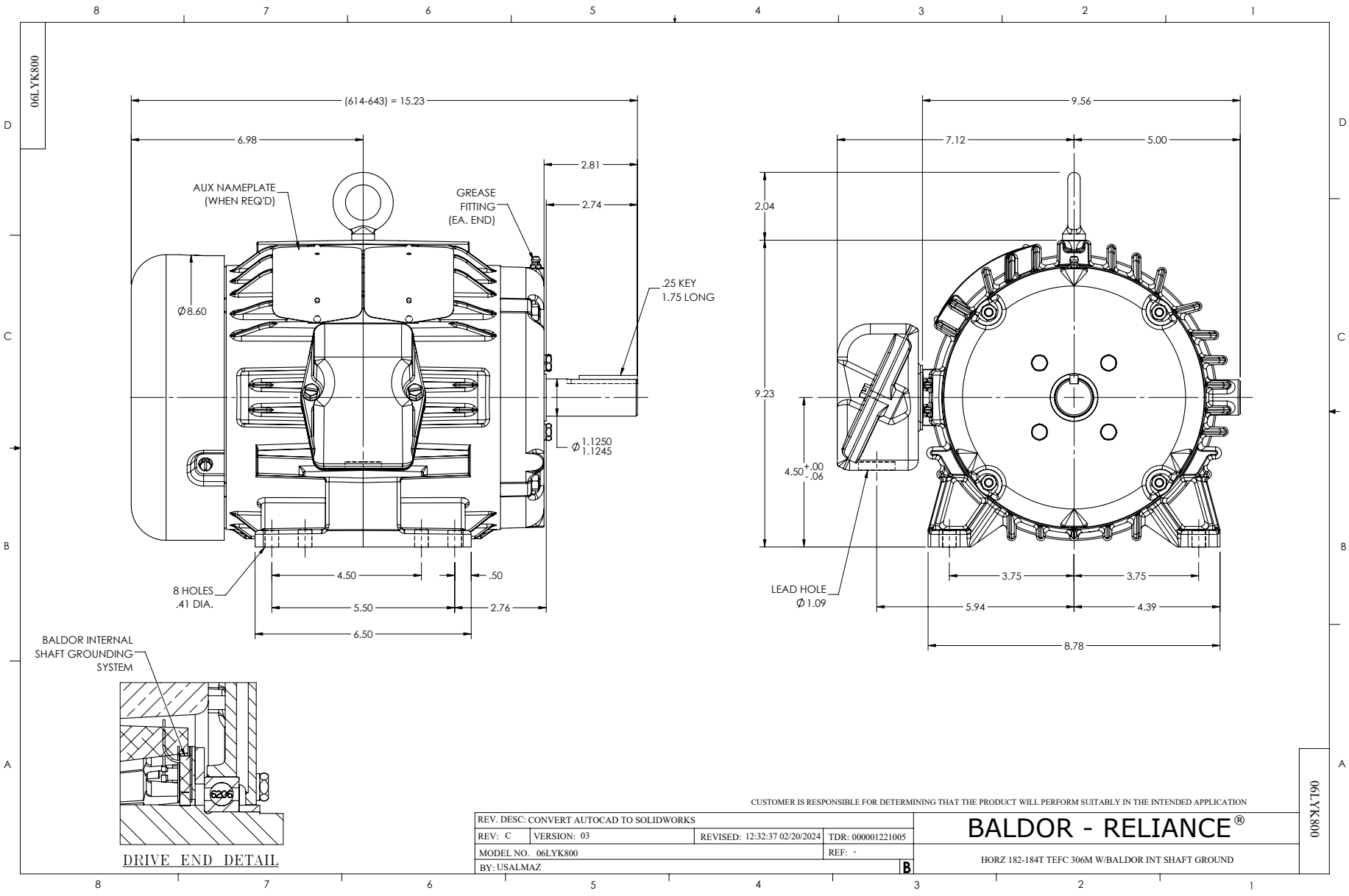
WINDING # 06WGW969

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 0630M

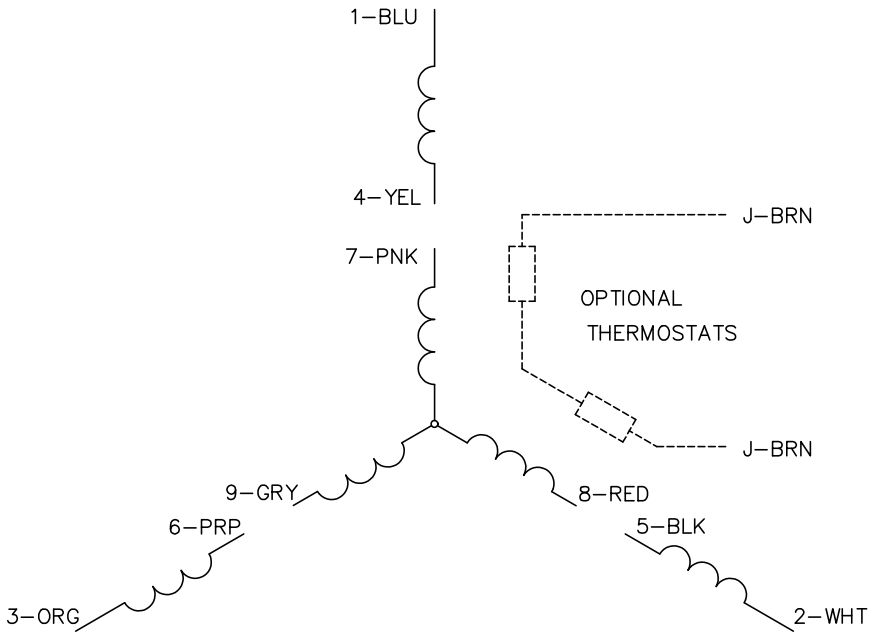
Typical performance - not guaranteed values.

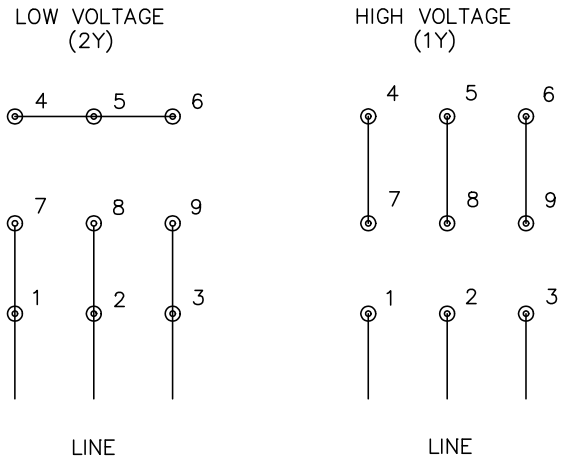
TORQUES(LB-FT): PO=24 PU=12.5 LR=15.8 LRA=16.19




06LYK800
(614-643) = 15.23
6.98
2.81
2.74
AUX NAMEPLATE (WHEN REQ'D)
GREASE FITTING (EA. END)
.25 KEY 1.75 LONG
Ø8.60
Ø 1.1250 1.1245
8 HOLES .41 DIA.
4.50
.50
5.50
2.76
6.50
9.56
7.12
5.00
2.04
9.23
4.50 +.00 -.06
LEAD HOLE Ø 1.09
3.75
3.75
5.94
4.39
8.78
BALDOR INTERNAL SHAFT GROUNDING SYSTEM
6206
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD TO SOLIDWORKS
REV: C
VERSION: 03
REVISED: 12:32:37 02/20/2024
TDR: 000001221005
MODEL NO. 06LYK800
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HORZ 182-184T TEFC 306M W/BALDOR INT SHAFT GROUND
06LYK800

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