

ABB BALDOR RELIANCE III

Customer information packet

DRX36644T

60//50HP, 1785//1485RPM, 3PH, 60//50HZ, 364T

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ 50.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	UL CCSAUSEEV CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	70.000 A @ 460.0 V 70.000 A @ 380.0 V 152.000 A @ 208.0 V 140.000 A @ 230.0 V 140.000 A @ 190.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4075
Layout	611742-772
Eff. date	07-28-2025
CD Diagram	CD0180
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	07-25-2025

Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	70.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A3658M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	84
Product Family	DRILL RIG DUTY
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1485 rpm 1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2496L	
MOBIL POLYREX EM	

000692000FX



000613006PC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	X X X	
OPERATING TEMP CODE	T3C	

000901002AAA	
SUITABLE FOR OPERATION ON VPWM	INVERTER
EQUIPPED WITH IGBT DEVICES AND CARRIER FREQUENCY OF 2KHZ OR H	CAPABLE OF IGHER
SUIT FOR 55 DEG C AMB @ 1.0 SF IP55 CONSTRUCTION	60 DEG C RISE

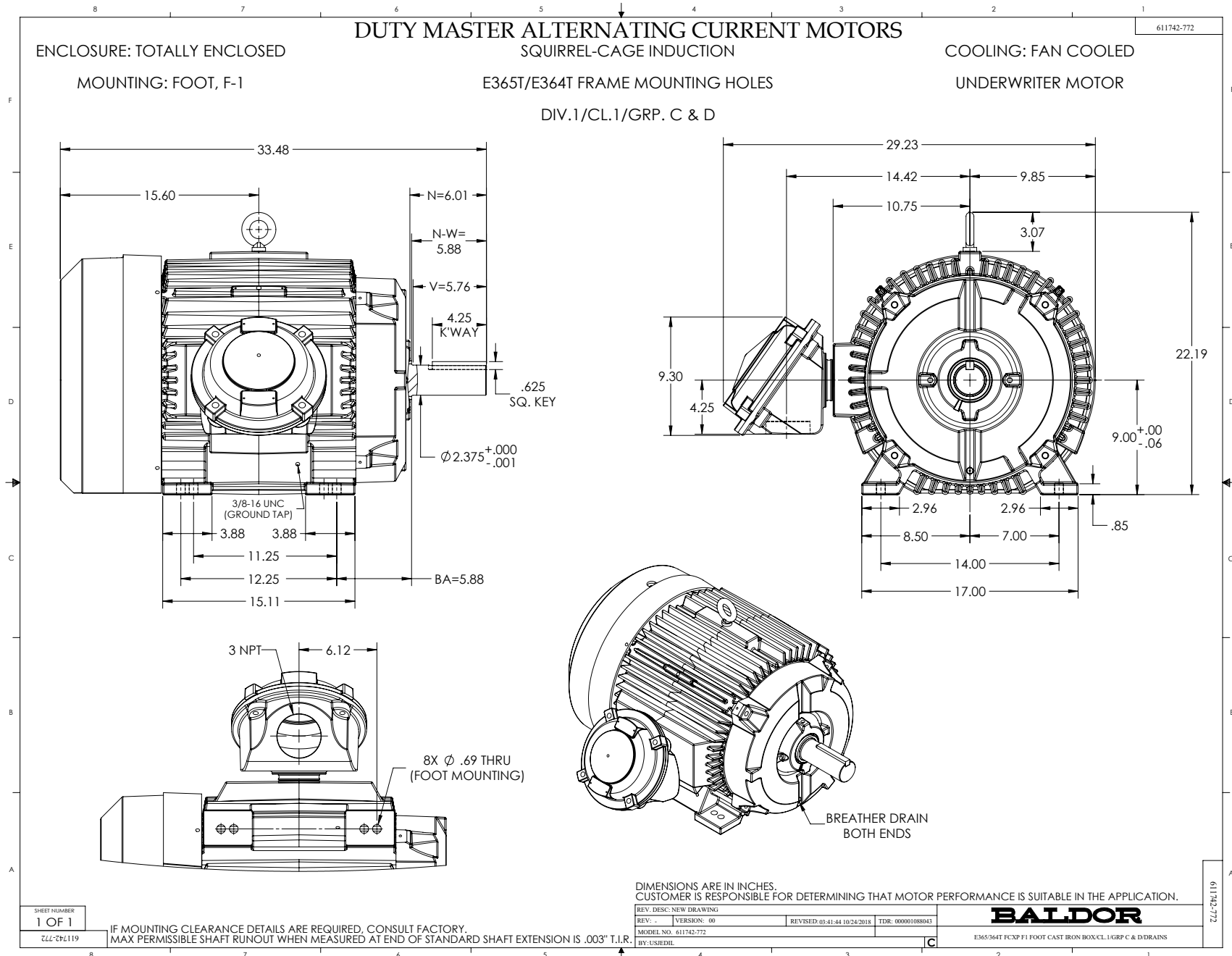
NP2475L

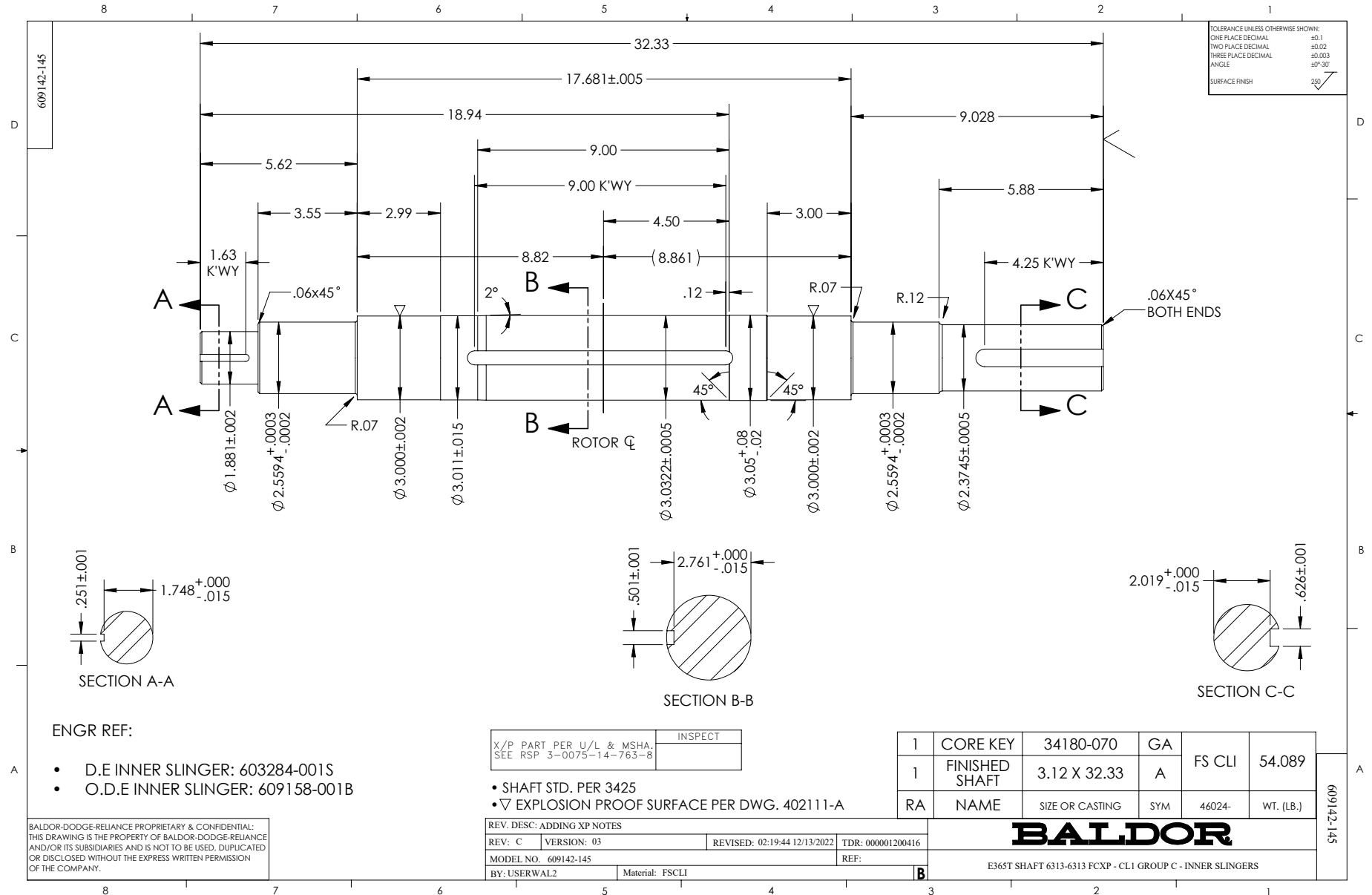
CAT.NO.	DRX36644T			SPEC NO.		A36-5813-4075			FRAME	364T
HP	60//50	PHASE	3	DESIGN	B	TYPE	P			
RPM	1785//1485	HZ	60//50	AMB	40	SF		1.15		
VOLTS	230/460//190/380		DUTY	CONT			INSUL.CLASS		F	
AMPS	140/70			ENCL	TEFC	CODE		G		
DRIVE END BEARING	65BC03J30X		NEMA-NOM-EFFICIENCY				95			
OPP D.E. BEARING	65BC03J30X									
SER.NO.	VFD READY 4:1CT, 10:1VT ON									
	VPWM INVERTER AT 1.0 SF AND 60					-90 CHP			MOTOR WEIGHT	987

Parts List

Part number	Description	Quantity
SA439908	SA A36-5813-4075	1.000 ea
RA432300	RA A36-5813-4075	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000692000JF	CAUTION LABEL TO PREVENT IGNITION	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
000692000FX	UL LISTED LOGO LABEL 2.53 X 0.75 X .018	1.000 ea
000613006PC	N/P U/L (REL QTY 500)	1.000 ea
000901002AAA	N/P BLANK (RELEASE QTY 1,500)	1.000 ea
NP2475L	CP, SUPER-E, SS, CSA, CSA SUPER-E	1.000 ea
609158001B	SLGR - 360	1.000 ea
603284001S	SLGR - 360	1.000 ea
087793060EN	BRKT STD ALT DWG E360 FCXP/POCKET FOR	1.000 ea
415072001B	CLAMP	1.000 ea
078559001A	+FANCV - 360	1.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
702676001C	FAN 360	1.000 ea
004824015A	GREASE POLYREX EM	0.540 lb
032018008AK	HHCS 1/4-20X1 PLATED	4.000 ea
032018018CK	HHCS 3/8-16X2-1/4 PLTD.	2.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
415045002E	SLGR	1.000 ea
410700004F	WSHR	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	4.000 ea
032130020DB	HSHCS 1/2-13X2-1/2 PLTD.	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	2.000 ea
034530056AC	P/NIP 1/8X7L GALV-365	1.000 ea
402558000DDA	BRDRN	1.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea

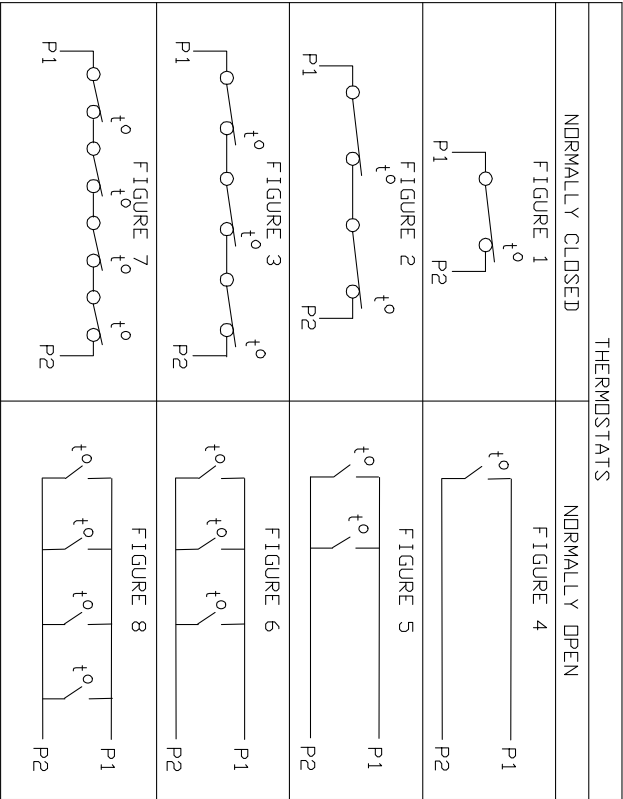
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
087793060EN	BRKT STD ALT DWG E360 FCXP/POCKET FOR	1.000 ea
032018018CK	HHCS 3/8-16X2-1/4 PLTD.	2.000 ea
415045002E	SLGR	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	2.000 ea
402558000DDA	BRDRN	1.000 ea
034530020AB	P/NIP 1/8X2-1/2 PLTED	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
032130020DB	HSHCS 1/2-13X2-1/2 PLTD.	4.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
073646000E	C/B 320 WA073646000 KB	1.000 ea
064069000A	C/BC320/360 X 064069000B	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
032018014DK	HHCS 1/2-13X1-3/4 PLTD	4.000 ea
063916001DE	+P/NIP 3X2-5/8 DIMPL-360	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
415000103A	T/LUG #14AWG-#4AWG W/HOLE FOR .250 BOLT	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018004AM	HHCS 1/4-20X1/2PLTD GREN	1.000 ea
034036012AB	CKW EXTERNAL TOOTH 1/4"	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1025G05	WILKOFAS, 789.227, MED. GRAY CHAR. MET.	0.250 ga
033775004EA	DRSCR #6-1/4 304 S.S.	8.000 ea
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 ea
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 ea
HW1000A32	5/16 FL WASHER WIDE,ID=.344,OD=1.125	3.000 ea
032509020C	CARRIAGE BOLT - 360	3.000 ea





CONNECTION DIAGRAM
ACCESSORIES

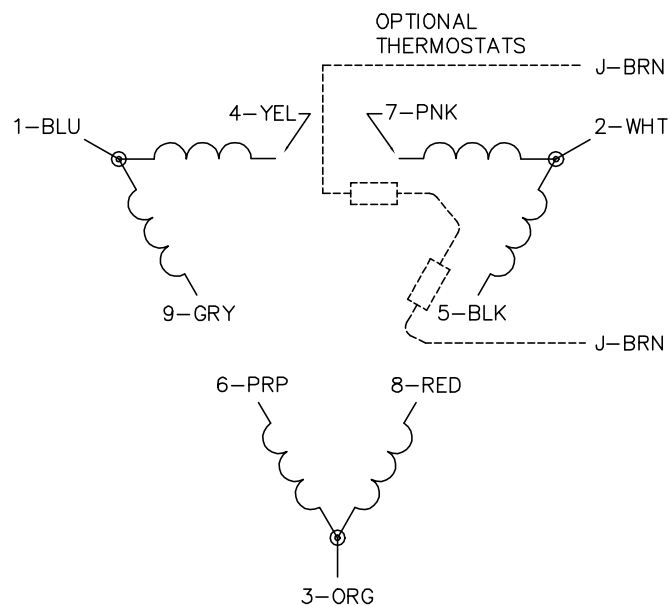
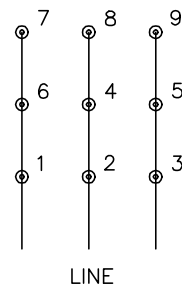
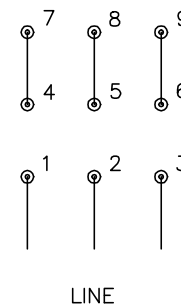
MOTOR WINDING THERMOSTATS		
CONTACTS _____ @ _____ °C		
FIGURE NUMBER _____		
CONTACT RATING		
VOLTS	CONTINUOUS AMPERES	INRUSH AMPERES
110-120	3.0	30
220-240	1.5	15
440-480	0.75	7.5
550-600	0.60	6.0



CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 000000570390
FILE: \RAG\00013\849	REVISED: 10:16:21 12/07/2010	BY: RAGDRF
MTL: -		

CD0180


 LOW VOLTAGE
(2D)

 HIGH VOLTAGE
(1D)

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.

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: —


BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1