

ABB BALDOR RELIANCE III

Customer information packet

MVM3463C

.56KW, 3450RPM, 3PH, 60HZ, D71C, 3328M, TEFC

Specifications

Enclosure	TEFC
Frame	D71C
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.400 A @ 460.0 V 2.800 A @ 230.0 V 3.400 A @ 208.0 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
Feedback Signal	NONE
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AM
Type	AC
Mech. spec.	33-1922
Base	
Status	PRD/A
Elec. spec.	33WGW274
Layout	33LY1922
Eff. date	10-24-2024
CD Diagram	CD0005A05
Poles	02
Leads	9#18
Proprietary	False
Created date	06-25-2007

High Voltage Full Load Amps	1.4 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3328M
Mounting Arrangement	F2
Number of Poles	2
Overall Length	11.24 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.552 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP1379L										
CAT.NO.	MVM3463C									
SPEC.	33-1922W274									
IEC FRAME	D71C	K.W.		.56 TE						
VOLTS	230/460 ENCL TEFC									
AMP	2.8/1.4									
RPM	3450			I.P.		54				
HZ	60		PH		3	CL		B		
SER.F.	1.25		DES		B	CODE		L		
NEMA-NOM-EFF	75.5		PF		78					
RATING	40C AMB-CONT									
CC										
DE	6203	ODE		6203						
SER. #										
	SFA 3.2/1.6									

AC Induction Motor Performance Data

Record # 58394

Typical performance - not guaranteed values

Winding: 33WGW274-R001			Type: 3328M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.75		Full Load Torque		1.134 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		2.8/1.4		Breakdown Torque		6.7 LB-FT	
R.P.M.		3450		Pull-up Torque		4.4 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		5.9 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		10 A
Service Factor (S.F.)		1.25		No-load Current		0.66 A	
NEMA Nom. Eff.		75.5	Power Factor	78	Line-line Res. @ 25°C		16.4 Ω
Rating - Duty			40C AMB-CONT		Temp. Rise @ Rated Load		
S.F. Amps			3.2/1.6		Temp. Rise @ S.F. Load		

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	60	72	80	85	88	85
Efficiency	58.7	72.2	77.7	80.1	81.1	81.4	81.1
Speed	3565	3537	3507	3476	3444	3409	3444
Line amperes	0.71	0.81	0.94	1.1	1.28	1.48	1.28

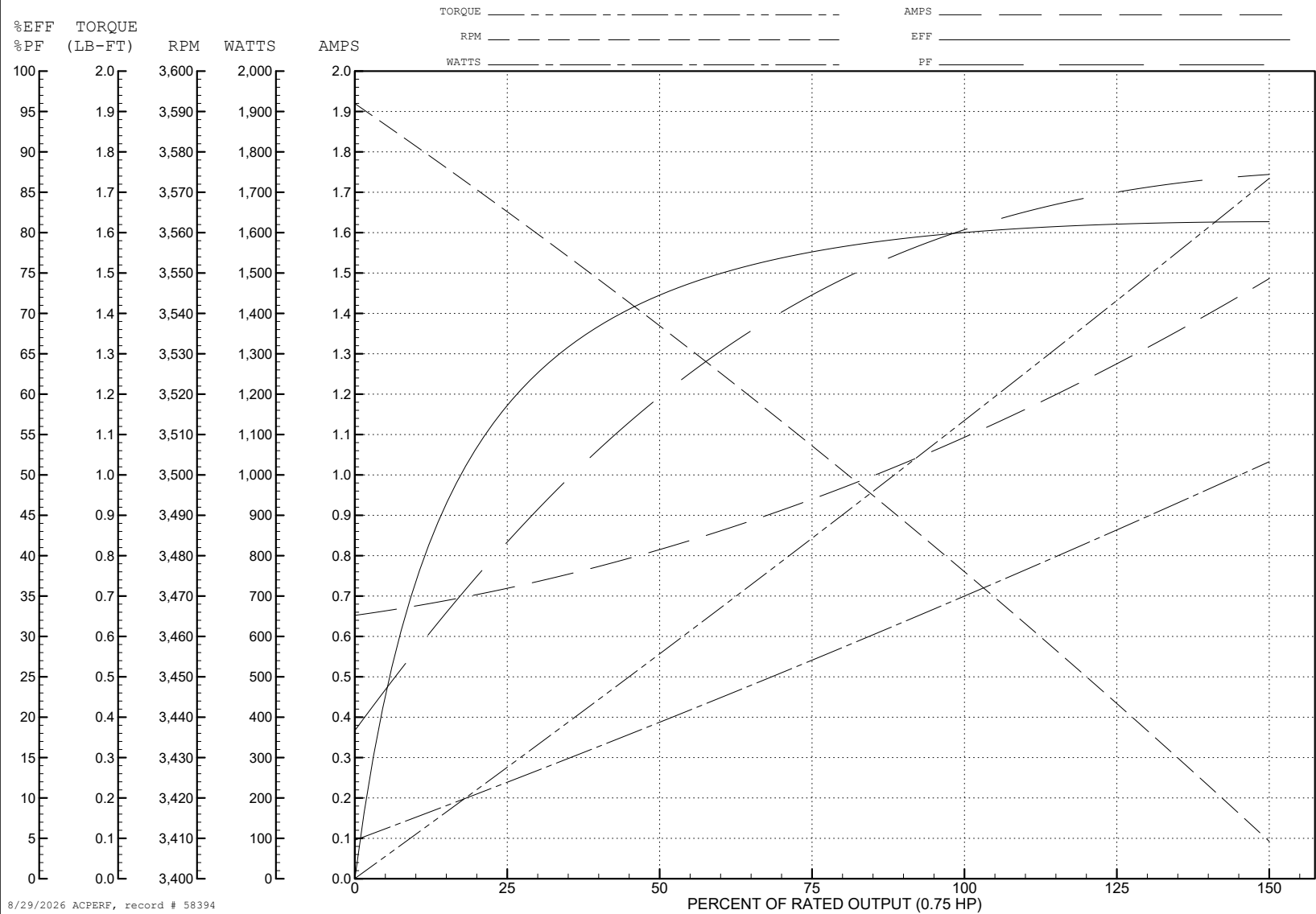
ABB Motors and Mechanical Inc.

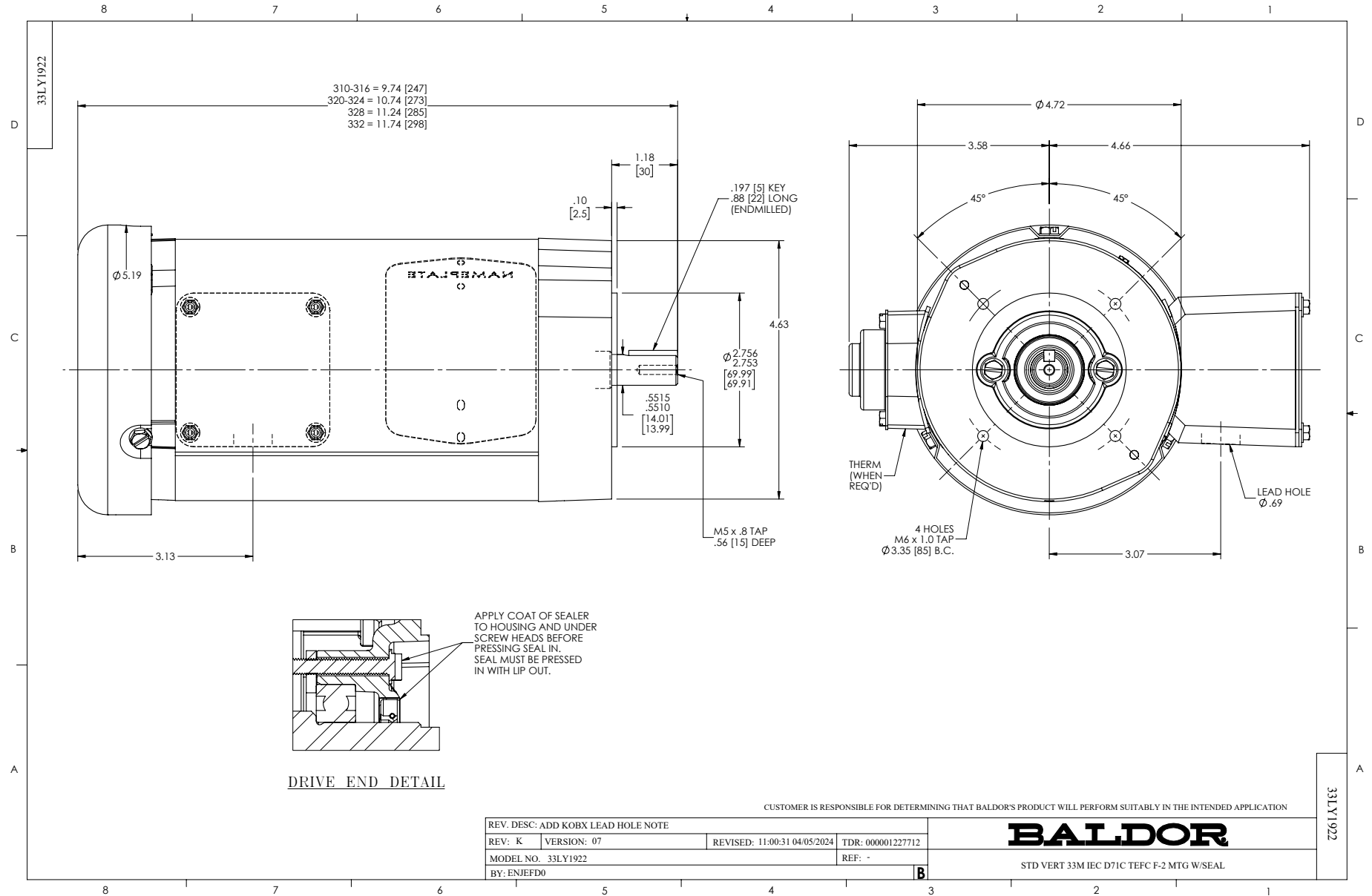
WINDING # 33WGW274

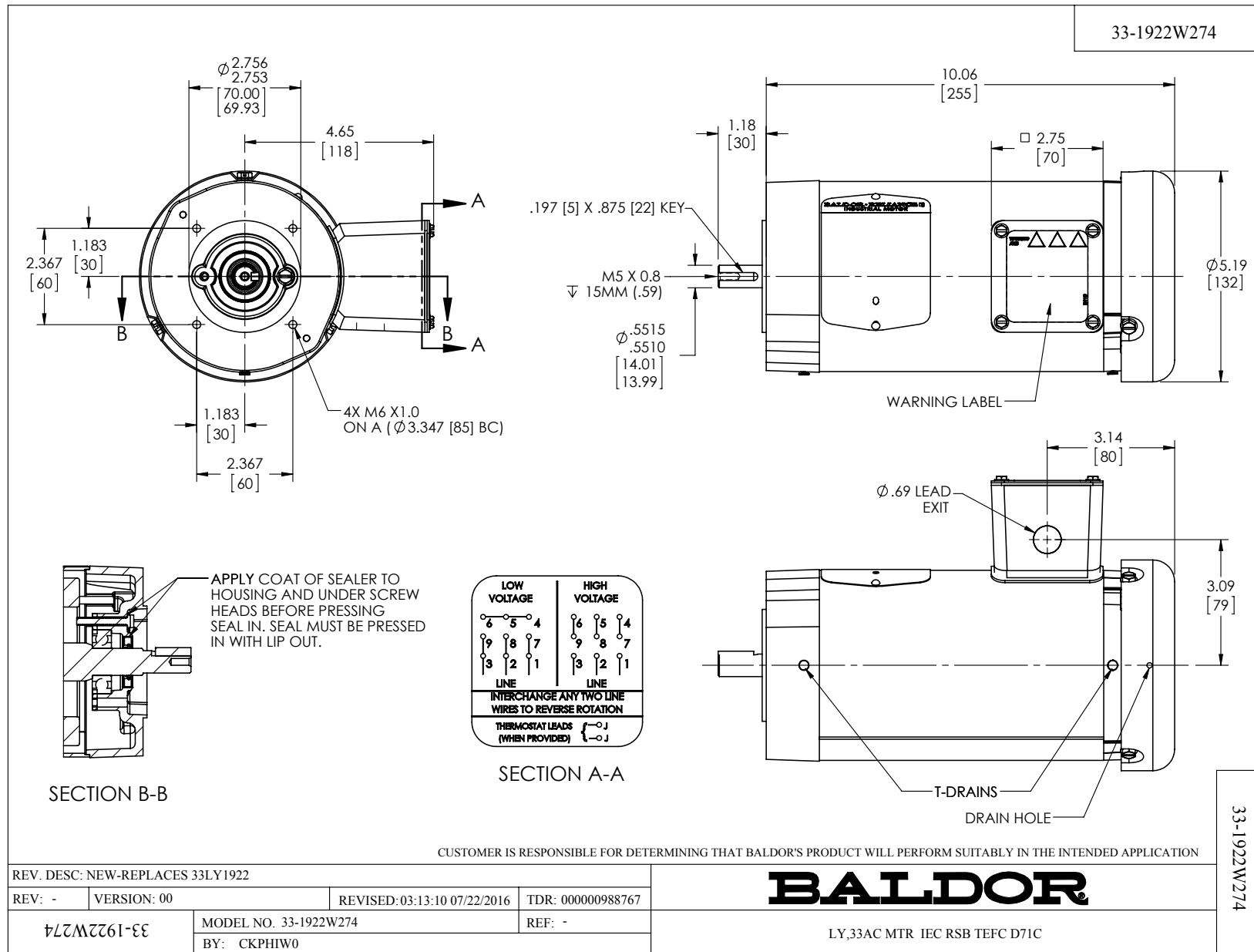
Typical performance - not guaranteed values.

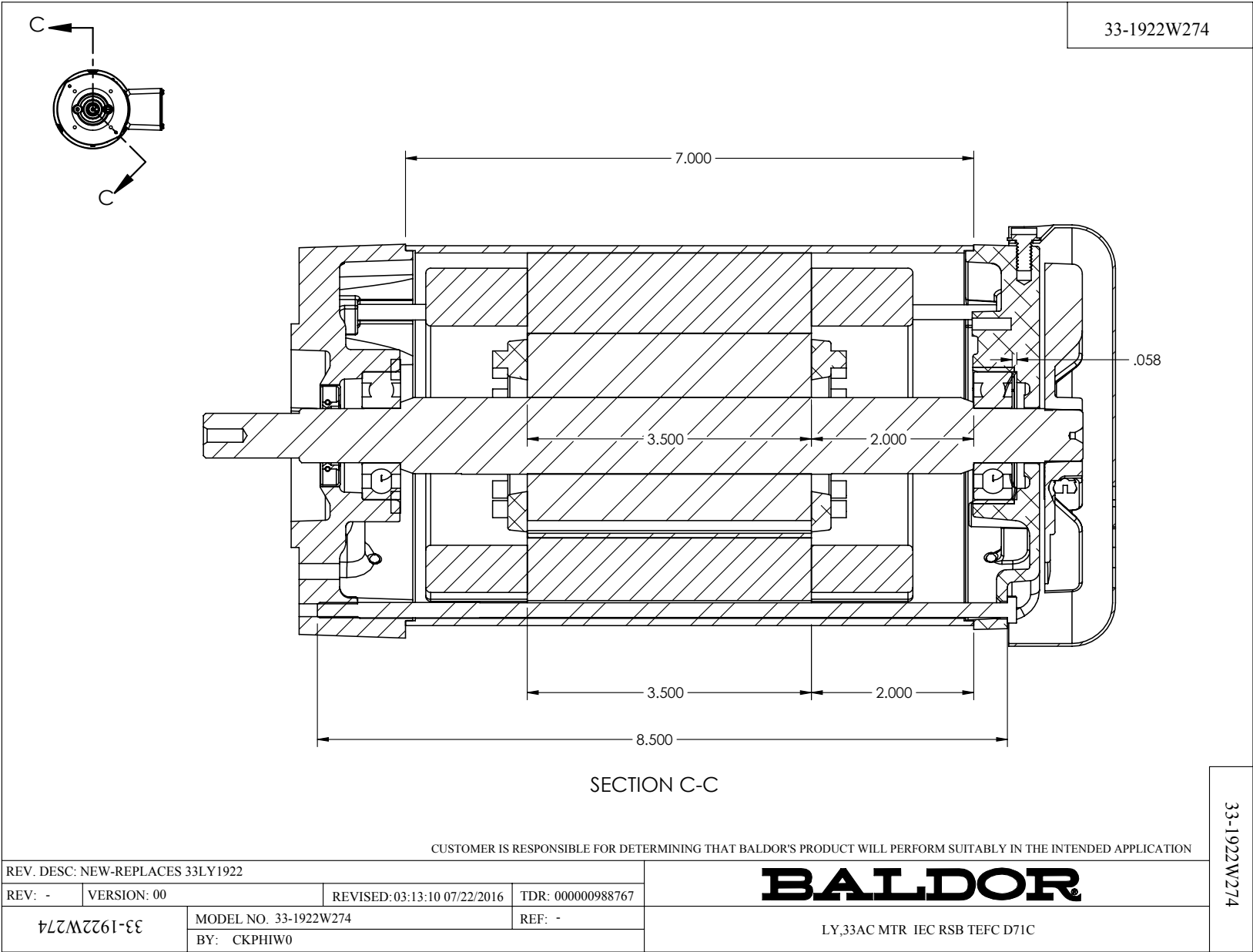
0.75 HP 3 PH 60 HZ 3450 RPM 460 V 3328M

TORQUES (LB-FT) : PO=6.7 PU=4.4 LR=5.9 LRA=10

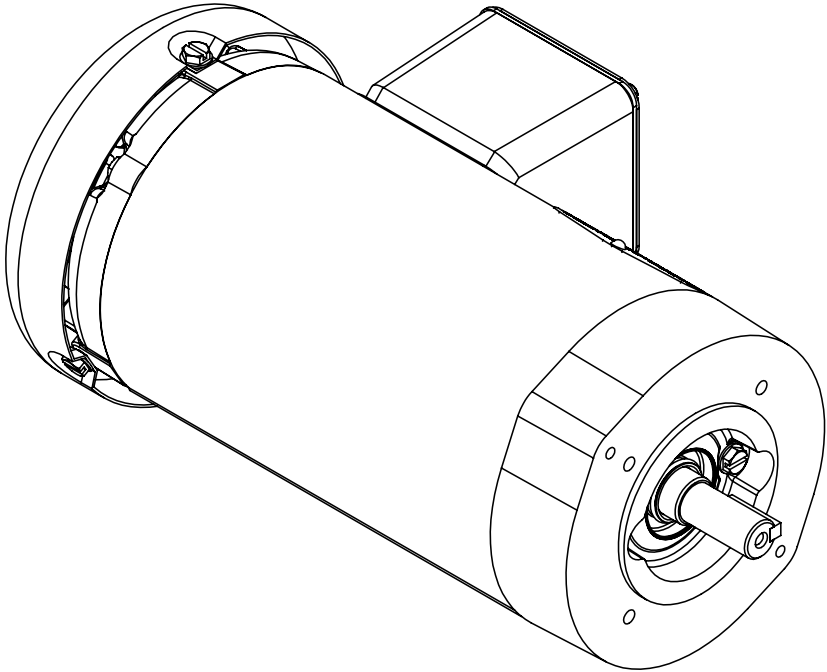








ITEM NO.	PART NUMBER	QTY.
1	33EP1300A35	1
2	BG6203C03	2
3	RB4003A01	1
4	HW4600A50	1
5	HA4067A01	2
6	33SH1085C01	1
7	33RC4128-00	1
8	33SA9200C16	1
9	NS2512A01	1
10	34GS1029A01	1
11	34CB3002C	1
12	51XB1016A07	2
13	11XW1032G06	1
14	34GS1031A01	1
15	34CB4517	1
16	51XT0832A07	4
17	33EP3100A01	1
18	HW5109A05	1
19	HA3100A37	2
20	51XN1032A16	1
21	33FN3000	1
22	12XN0832A16	1
23	HW1003A08	1
24	XY0832A02	1
25	33FH4000A01	1
26	51XB1016A06	3
27	HW2504D08	1
28	NP1379L	1
29	85XU0407A04	2
30	LC0005	1
31	LB1119	1



33-1922W274

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

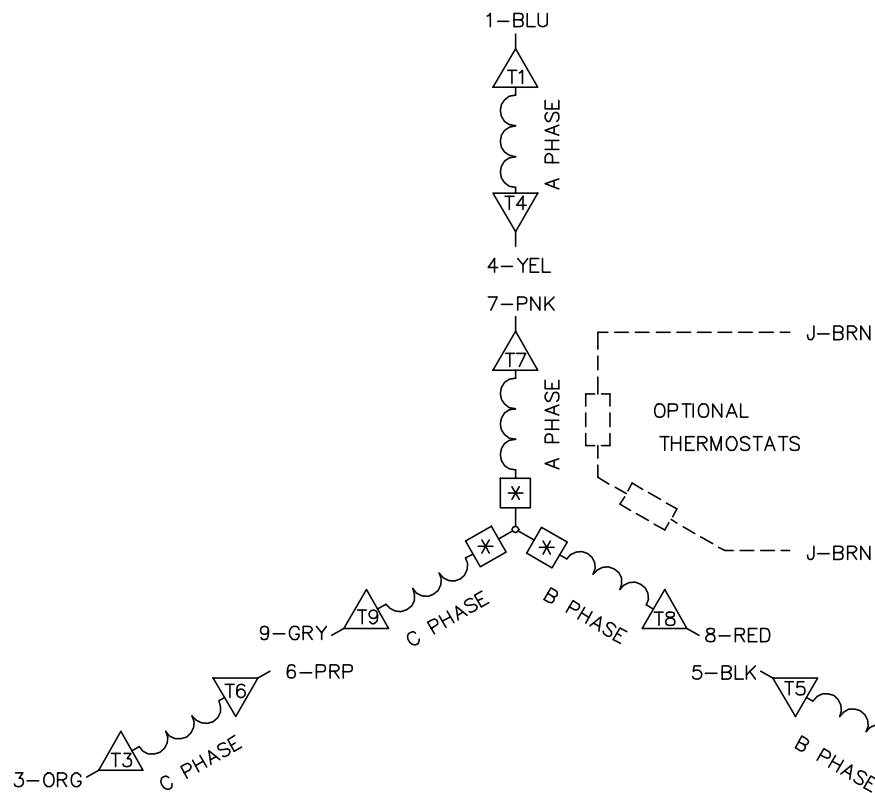
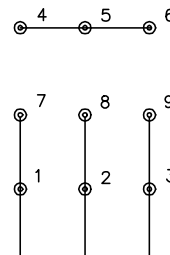
REV. DESC: NEW-REPLACES 33LY1922			
REV: -	VERSION: 00	REVISED: 03:13:10 07/22/2016	TDR: 000000988767
33-1922W274		MODEL NO. 33-1922W274	REF: -
		BY: CKPHIW0	

BALDOR

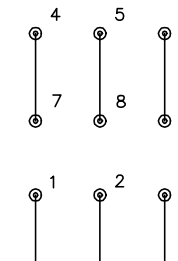
LY,33AC MTR IEC RSB TEFC D71C

33-1922W274

CD0005A05


LOW VOLTAGE
(2Y)


LINE

HIGH VOLTAGE
(1Y)


LINE

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.
5. =MAGNET WIRE COIL END WITH I.D. NUMBER.
6. =MAGNET WIRE COIL END WITH I.D. SYMBOL.
7. SEE CW PRINT FOR NEST TO NEST CROSSOVER CONNECTIONS.

REV. DESC: ADD NEST NOTE

REV. LTR: C

VERSION: 03

TDR: 000000445597

CD0005A05

FILE: \CKA\00024\847

REVISED: 12:51:06 11/15/2007

MTL: -

BY: CKMICRO

BALDOR • DODGE • RELIANCE

3PH, DV, 9 LEADS, CK

CD0005A05