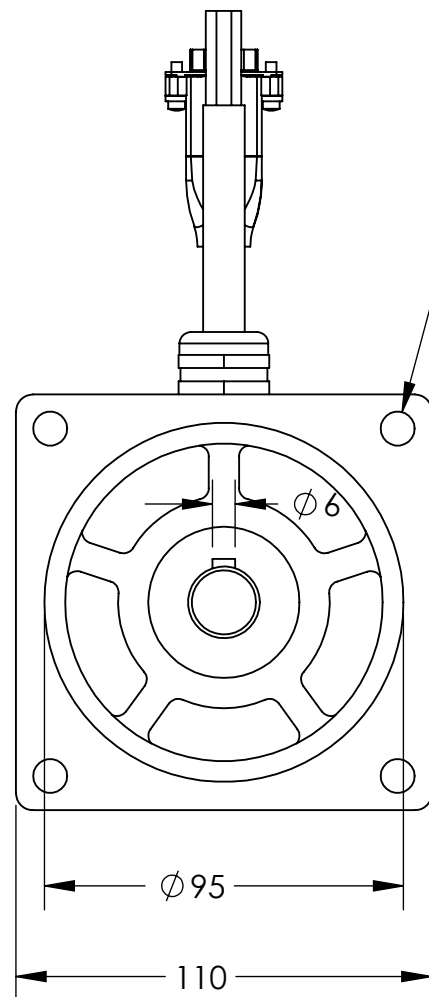


NOTE:

1. Kt AND Ke BASED ON RMS SINE WAVE DRIVE
2. 10 POLE DESIGN
3. HI-POT MOTOR AND BRAKE: 600 VAC, 1SEC, 5 mA

PART REVISION HISTORY

REV.	DESCRIPTION	ECO	DWN	CHKD	DATE



(4)  $\phi 9$  THRU HOLES EQ SP ON  $\phi 130$  B.C.

$\phi 19.000$   
 $\phi 18.988$

40

5

55±1.5

13

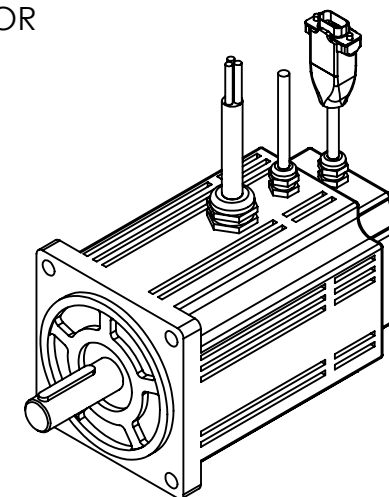
180

BRAKE CABLE  
500 mm LONG  
22 AWG

MOTOR CABLE, 3X 16 AWG  
500 mm LONG

ENCODER CONNECTOR  
AMP 748364-1  
HD D-SUB

ENCODER CABLE  
500 mm LONG  
SHIELDED



BRAKE NOTES:

1. RATED VOLTAGE: 24 VDC
2. RESISTANCE: 32.7 OHM
3. INSULATION CLASS: F
4. HOLDING TORQUE: 6 N-m MIN

MOTOR PARAMETERS		MP110-2A
SUPPLY VOLTAGE	VDC	48
RATE SPEED	RPM	3000
RATED TORQUE @ 3000 RPM	N-m	4
POWER @ RATED SPEED	WATTS	1257
PEAK TORQUE	N-m	12
CONTINUOUS CURRENT 0-p	AMPS	35
PEAK CURRENT 0-p	AMPS	105
VOLTAGE CONSTANT, Ke rms	V/KRPM	8.62
TORQUE CONSTANT, Kt rms	N-m/A	.114
RESISTANCE	OHM	0.041
INDUCTANCE	mH	.27
NUMBER OF POLES		10
WEIGHT	Kg	4.45

FEEDBACK AMP 748364-1		
Pin	Color	Function
1	Red	5 vdc
2	Black	GND
3	Blue	Chl A
4	BLU/BLK	Chl A/
5	Green	Chl B
6	GRN/BLK	Chl B/
7	Yellow	Index
8	YeEL/BLK	Index/
9		
10	White	
11	Brown	COMM A
12	Gray	COMM B
13	WHT/ORG	COMM C
14		
15	Shield	Shield

ENCODER SPECIFICATIONS	
TYPE	OPTICAL
OUTPUT TYPE	LINE DRIVER
LINE COUNT	2500
GATED	A / B AT 90 DEDREE
INPUT VOLTAGE	5 VDC +/- 5%
CURRENT	60 mA TYPICAL

Motor leads	
Color	Function
Yellow	Phase U
Red	Phase V
Black	Phase W

**NOTICE ON REPRODUCTIONS**  
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TOLERANCES UNLESS OTHERWISE SPECIFIED (U.O.S.)			
DECIMALS	C'BREAKS	FRAC.	MACH. FIN.
.XX = ± .01	.010/.020	1/64	125/
.XXX = ± .005	FILLETS	ANGLES	1°
.XXXX = ± .0005	.020 MAX		



MATERIAL	
FINISH	
DRAWN	JPB
DATE	01/02/25
CHECKED	
DATE	

TITLE:	BL MOTOR, 110 MM, 48 VDC 2500 PPR
PART NO.	MP110-2A-MX2500-CB-001
DWG.NO.	R
SCALE:	NONE
SHEET	1 OF 1



THIRD ANGLE

SCALE: NONE

SHEET 1 OF 1

DWG.NO. R

PART REV. A