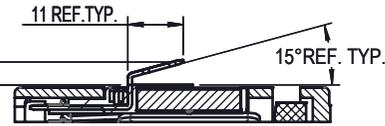


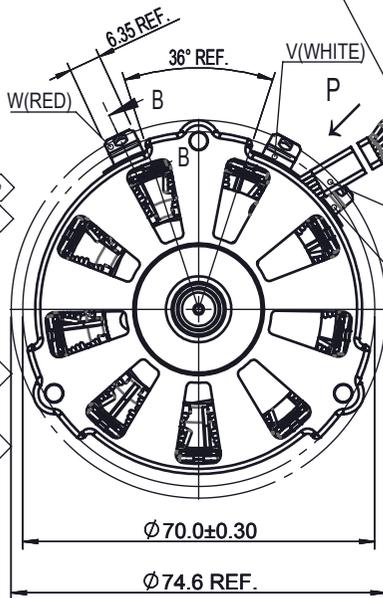
GEAR DATA	
FULL DEPTH INVOLUTE HELICAL GEAR	
OPERATING C.D	14.427±0.025
NUMBER OF TEETH	6
NORMAL DIAMETRAL PITCH	32
NORMAL PRESSURE ANGLE	20°
HELIX ANGLE	15°
HAND OF HELIX	RH
HELICAL LEAD	57.898
TRANSVERSE DIAMETRAL PITCH	30.9096
TRANSVERSE PRESSURE ANGLE	20.6469°
TRANSVERSE TOOTH THICKNESS(REF.)	1.735
PITCH DIA(THEORETICAL)	4.930
AGMA2000 QUALITY NUMBER	7
TOTAL COMPOSITE ERROR	0.071
TOOTH TO TOOTH ERROR	0.051
OUTSIDE DIA.	7.269±0.025
ROOT DIA. MAX.	3.886
TOOTH FORM	MODIFIED
NORMAL TOOTH THICKNESS AT THEORETICAL PITCH DIA.(REF.)	1.676
FILLET(ROOT)RADIUS	0.0254 MAX.
TEST PITCH RADIUS	2.995±0.030
BASE CIRCLE DIA. (REF.)	4.613
FORM DIA. (REF.)	4.595
MEASUREMENT OVER (2) 1.524 DIA. WIRES	7.856±0.038

HOUSE (CJT) : A1502H-6P  
TERMINAL(CJT): A1502-GP  
SIGNAL WIRES:24# AWG TEFLON,  
UL10109,300V,200°C.



SECTION B-B  
SCALE 1 : 1.5  
OUTPUT BRACKET  
MATERIAL:ALUMINIUM ALLOY

AIL	REF.	DESCRIPTION	DATE	BY
A	SCN#11183005	Initial release(Project No. : 14J3035)	2018/07/02	YJ SHEN
B	SCN#11193001	ADD NOTE 9 & SEE MARK [B]	2019/04/03	WY Tan



ADDED GLUE  
HEAT-SHRINKABLE TUBE(INSIDE)  
+SLEEVING TUBE (OUT SIDE,WHITE)

U(BLACK)

M-8

M-9

M-1

28.0 REF.  
SEE NOTES 5  
(FOR CORE HARDNESS)

9.6±0.30  
17.5±0.5  
FULL TOOTH

INPUT BRACKET  
MATERIAL : ALUMINIUM  
ALLOY

0.5 REF. TYP.

47.9 REF.

Ø 8.005 ±0.005

Ø 27.0 -0.15

Ø 26.0±0.20

2.0±0.20

0.75 REF.

9.6±0.30

17.5±0.5

24 REF.

"B"±0.50

5.5±0.3

6.0±0.50

6.7±0.20

63.5 MAX.

"A" ±0.30

158.0±8  
SIGNAL WIRE  
LENGTH

ROTATION

120°REF. TYP.

4-M5 STUD  
(SEE NOTE 9)  
[B]

Ø 48.26±0.30

Ø 65.0±0.30

90°±3

2.0±0.20

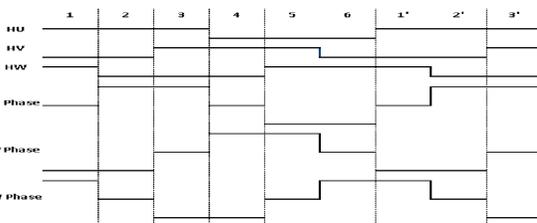
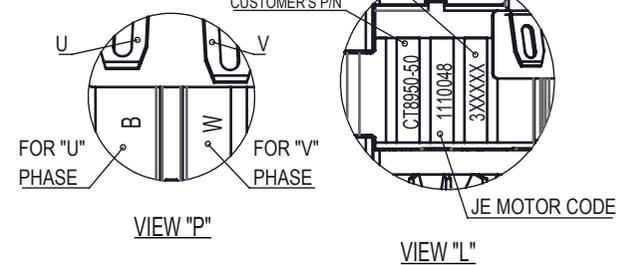
0.75 REF.

PRINT CUSTOMER'S P/N  
MOTOR CODE & DATE  
CODE ON TO MOTOR  
DATE CODE FORMAT AS ESDDC-038.

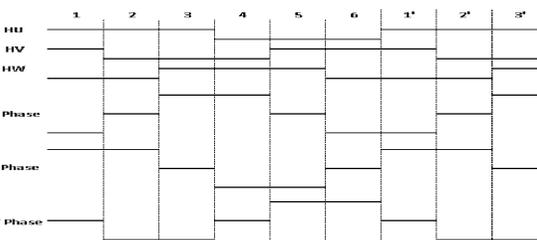
NOTES.

1. LENGTH OF SHAFT,DIM"A" 101.0 mm.
2. FRONT EXTENSION,DIM"B" 37.0mm,MEASURE WITH SHAFT PUSHED AGAINST STEEL END CAP.
3. END PLAY: 0.20mm MAX.
4. TAPPED HOLES CAN ACCEPT MAX. USABLE SCREW LENGTH 4.0 mm.
5. MOTOR PINION SHAFT MATERIAL:JIS G4103 SNCM439 STEEL. THE SURFACE HARDNESS TO BE HRC55-60.PINION CORE HARDNESS IN THIS SECTION TO BE HRC 53Min.
6. NO CRACKS ALLOWED IN GEAR PROFILE PART OF MOTOR SHAFT.
7. MOTOR SHAFT AND LAMINATION STACK TO WITHSTAND 250KG-CM MIN. TORQUE WITHOUT SLIPPAGE.
8. M-10 IS THE TOTAL NUMBER OF MAJOR DIMENSIONS.
9. TORSIONAL FORCE OF THE STUDS WILL BE 20-25Kg-cm,LOOSENING TORQUE OF THE STUDS SHOULD BE 17.5Kg-cm MIN. AFTER THE GLUE IS DRIED.

CONNECTOR CHART		
PIN 1	RED	VCC
PIN 2	BROWN	NTC
PIN 3	BLUE	HU
PIN 4	WHITE	HW
PIN 5	YELLOW	HV
PIN 6	BLACK	GROUND



CCW(FORWARD)-VIEWED FROM GEAR SIDE



CW(REVERSE)-VIEWED FROM GEAR SIDE

DWN. BY YJ SHEN	CHK. BY Christopher yh Lee	APP. BY GARY LAM
Date (yyyymmdd) 2018/07/02	Date (yyyymmdd) 2019/04/04	Date (yyyymmdd) 2019/04/04

MATERIAL :	FINISH :	ISO 2768-1 Class m (Unless specified)	ALL DIMENSIONS ARE IN MILLIMETRES	SCALE 1:2
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<table border="1"> <thead> <tr> <th>C pk</th> <th>Characteristics</th> <th>Key Product</th> <th>Customer Significant</th> </tr> </thead> <tbody> <tr> <td>&gt; 1.67</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>&gt; 1.33</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>&gt; 1.00</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>Not Required</td> <td>○</td> <td>○</td> <td>○</td> </tr> </tbody> </table>	C pk	Characteristics	Key Product	Customer Significant	> 1.67	○	○	○	> 1.33	○	○	○	> 1.00	○	○	○	Not Required	○	○	○	<p>JOHNSON ELECTRIC</p> <p>JOHNSON ELECTRIC GROUP OF COMPANIES ("JOHNSON ELECTRIC")</p> <p>This document is the Property of Johnson Electric and the information therein contained is confidential. Unauthorised reproduction or other use thereof, whether directly or indirectly, in whole or in part, is strictly prohibited. All products made or otherwise derived directly or indirectly from this document are proprietary to Johnson Electric.</p> <p>© Copyright Johnson Electric S. A. 2018 . All rights reserved.</p>	<p>TITLE</p> <h1>MOTOR OUTLINE(E11HM)</h1> <p>DWG No.</p> <h2>1999-1110048</h2> <p>SHEET 1 OF 1</p>
	C pk	Characteristics	Key Product	Customer Significant																		
> 1.67	○	○	○																			
> 1.33	○	○	○																			
> 1.00	○	○	○																			
Not Required	○	○	○																			