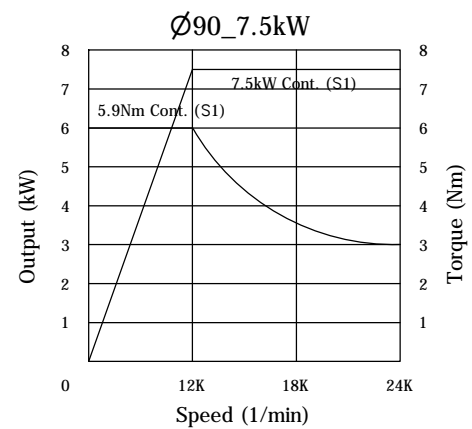
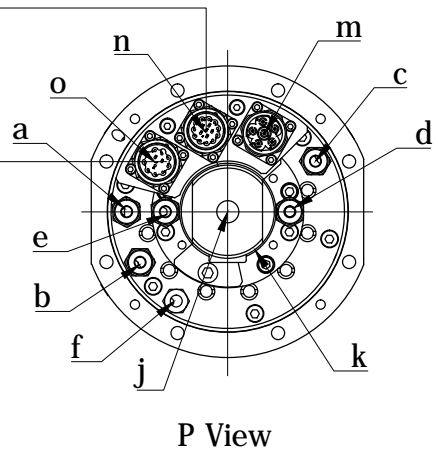


No.	Definition
1	UA+ (White)
2	UA- (Brown)
3	UN+ (Grey)
4	Free
5	Free
6	Free
7	0V (Blue)
8	KTY 84-130
9	KTY 84-130
10	5VDC (Red)
11	UB+ (Pink)
12	UB- (Black)
13	UN- (Yellow)
14	Free
15	0V Sensor (Blue)
16	Sensor (Green)
17	Free

No.	Color	Definition
1	pink	S1 brown
2	yellow	S1 blue
3	green	S1 black
4	brown	S2 brown
5	black	S2 blue
6	red	S2 black
7	white	S3 brown
8	grey	S3 blue
9	violet	S3 black
10	brown/green	temp. red
11	blue	temp. white
12	white/green	temp. white



a	Cutting cooling (PT1/8->PH1/4)
b	cooling inlet (PT1/8->PH1/4)
c	Cooling outlet (PT1/8->PH1/4)
d	Tool unclamp oil (PT1/8->PH1/4)
e	Tool clamp oil (PT1/8->PH1/4)
f	Air sealing (PT1/8->6)
j	C.T.S. + Taper clean (PF1/4)
k	C.T.S. drainage
m	Power & Ground cable (6 pin)
n	Encoder cable (17 pin)
o	Tool sensor & Temp. cable (12 pin)

Max. speed	24Krpm
Tool hold	BBT30
Clamp force	250~300Kgf
Bearing ID	45
Cooling system	Water
Spindle type	C.T.S.

PERMISSIBLE MACHING BASIC DIMENSION DEVIATIONS					
>0	>6	>30	>120	>400	>1000
±0.05	±0.10	±0.15	±0.20	±0.30	±0.50
PERMISSIBLE DRILLING BASIC DIMENSION DEVIATIONS					+0.25 -0.05
PERMISSIBLE ANGLE BASIC DIMENSION DEVIATIONS					±0.5°

DRAWN	
DESIGNED	
CHECKED	
MATERIAL	
SCALE	1:4

NAME	
DWG.NO. 231A081_DIM	

ver.	coordinates	Changing content	Modified by	date
1				
2				
3				