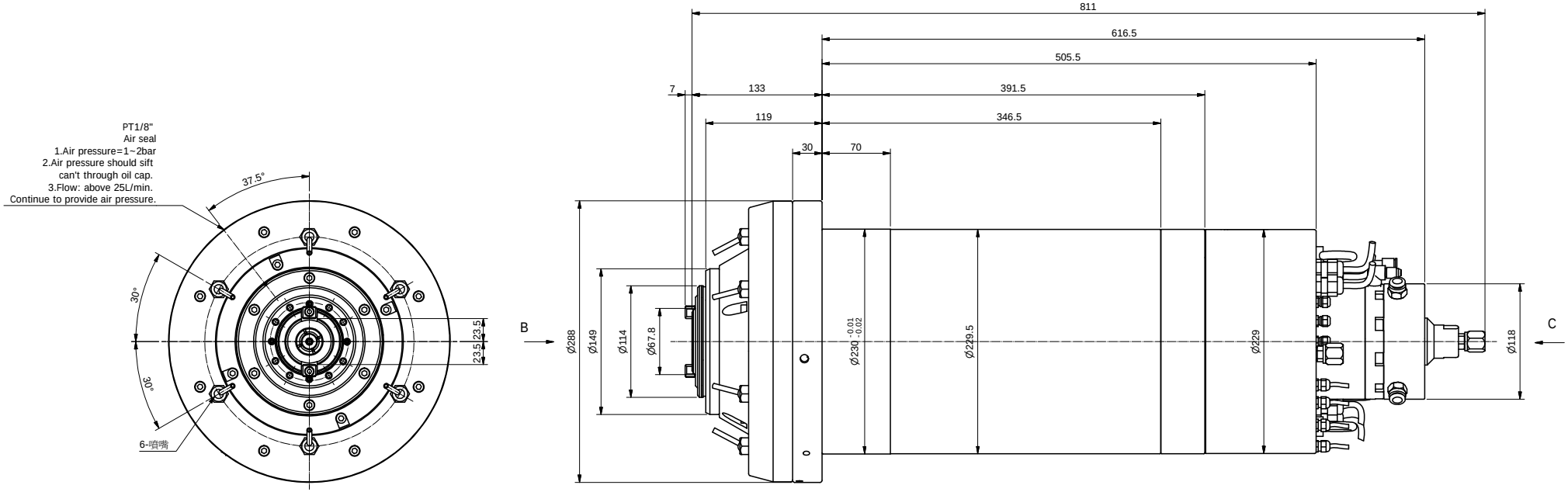
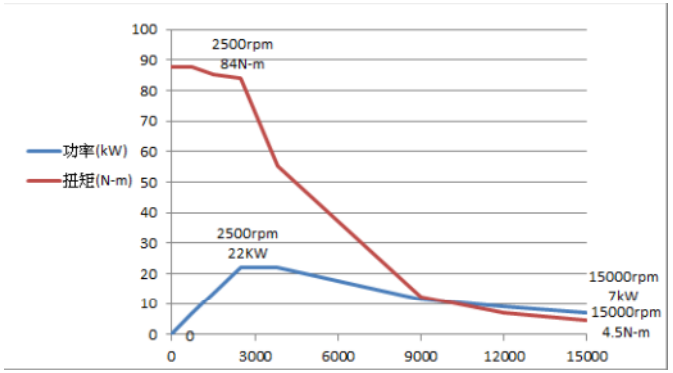
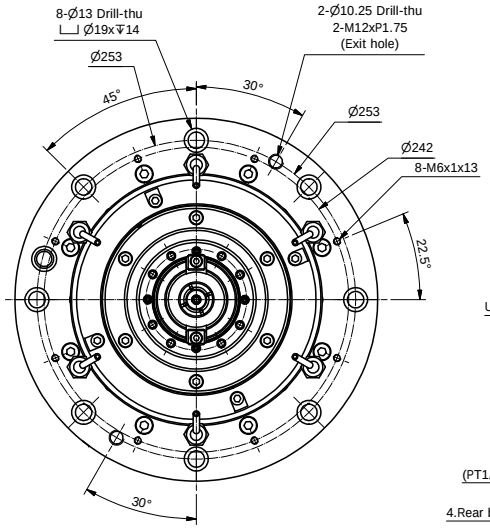
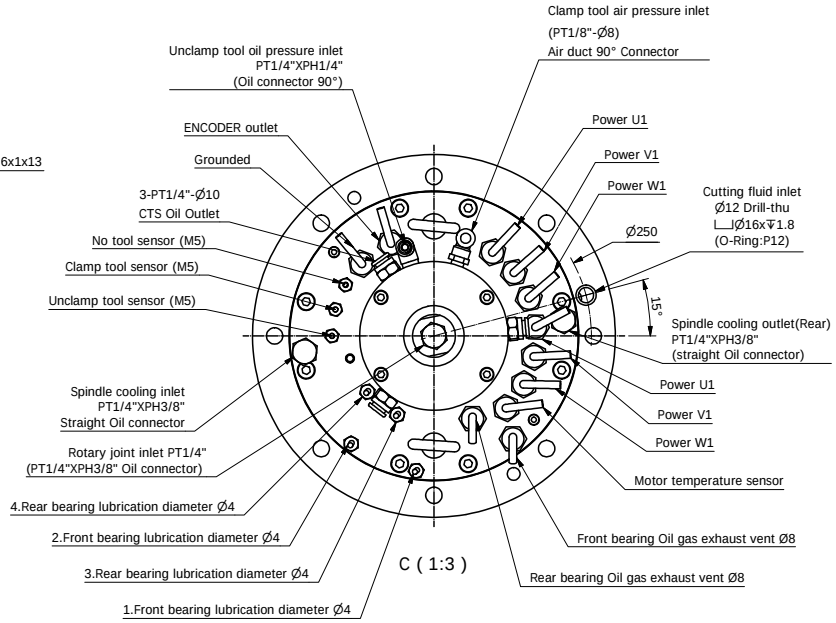
未標註公差者，依一般公差







B (1:3)



C (1:3)

Type	Max. speed(rpm)	Bearing	Motor	Claping force(kgf)	Unclamp air pressure(kg/cm2)	Tool holder	Coolant	Cooling competence	CTS
MM230A	15000	7014X2	22kW/380V	1200 kgf±10%	55~60(kgf/cm^2)	BT40/CAT40/DIN40	Oil	4000 kcal	Optional

ENCODER:IGS04T04

SPINDER 睿瑩精密機械股份有限公司 SPINDER Tech. Co., LTD

Name	MM230A Built-in Motor Spindle	Scale	
Number	1MM230A20K-003	Date	
Approved	Check	Design	

TEL:886-4-25624899 e-mail：sales@spinder.com.tw