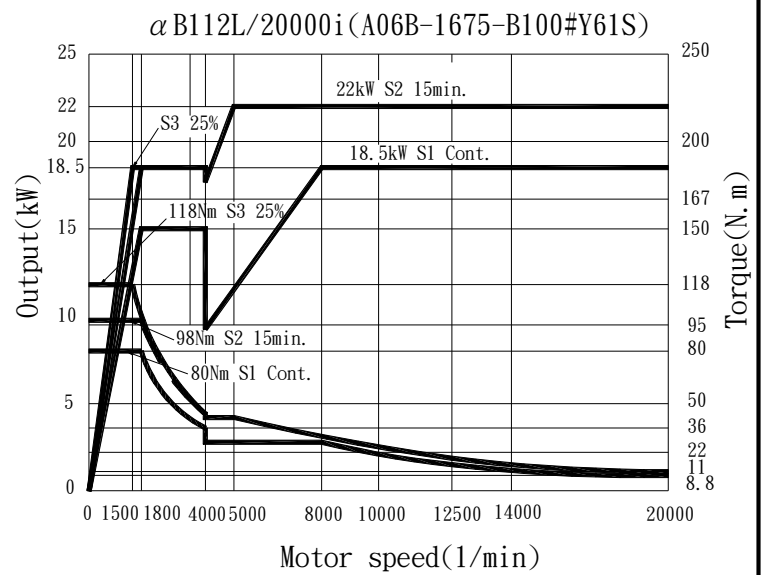
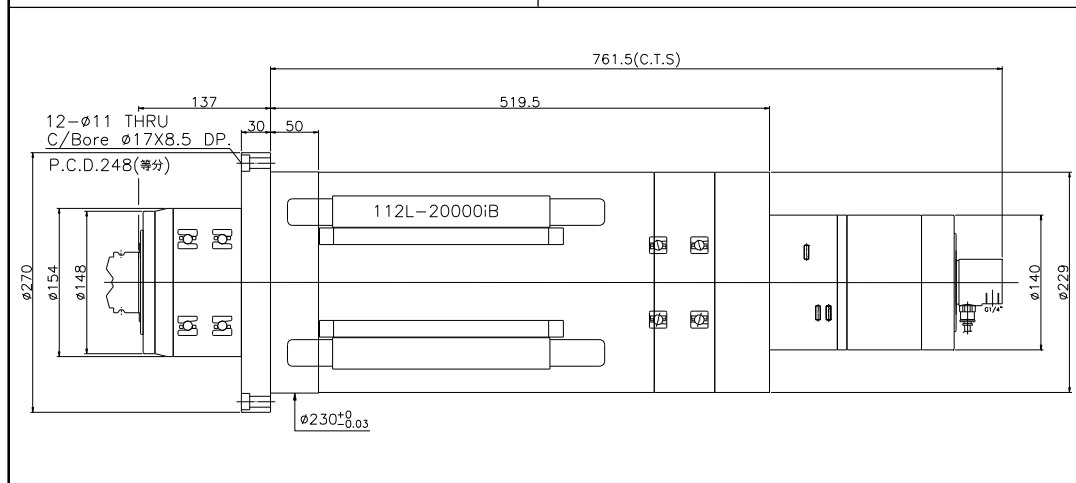


## Motorized Spindle Spindle Model 223A



Tool interface	HSK A63
Spindle Max. Speed	20000rpm
Motor Power	18.5kW S1 cont. / 18.5 kW S3 25%
Motor Torque	80Nm S1 cont. / 118Nm S3 25%
Bearing I.D.	Ø70 mm
Bearing lubrication	Oil-Air(20000rpm)
Pull-in force	1800±100kgf
Release pressure	Hydraulic - 45~60bar
Cooling system	Oil
Rotary union	C.T.S. Ready / 70bar
Encoder	FANUC Encoder
Spindle Weight	170 kgf



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