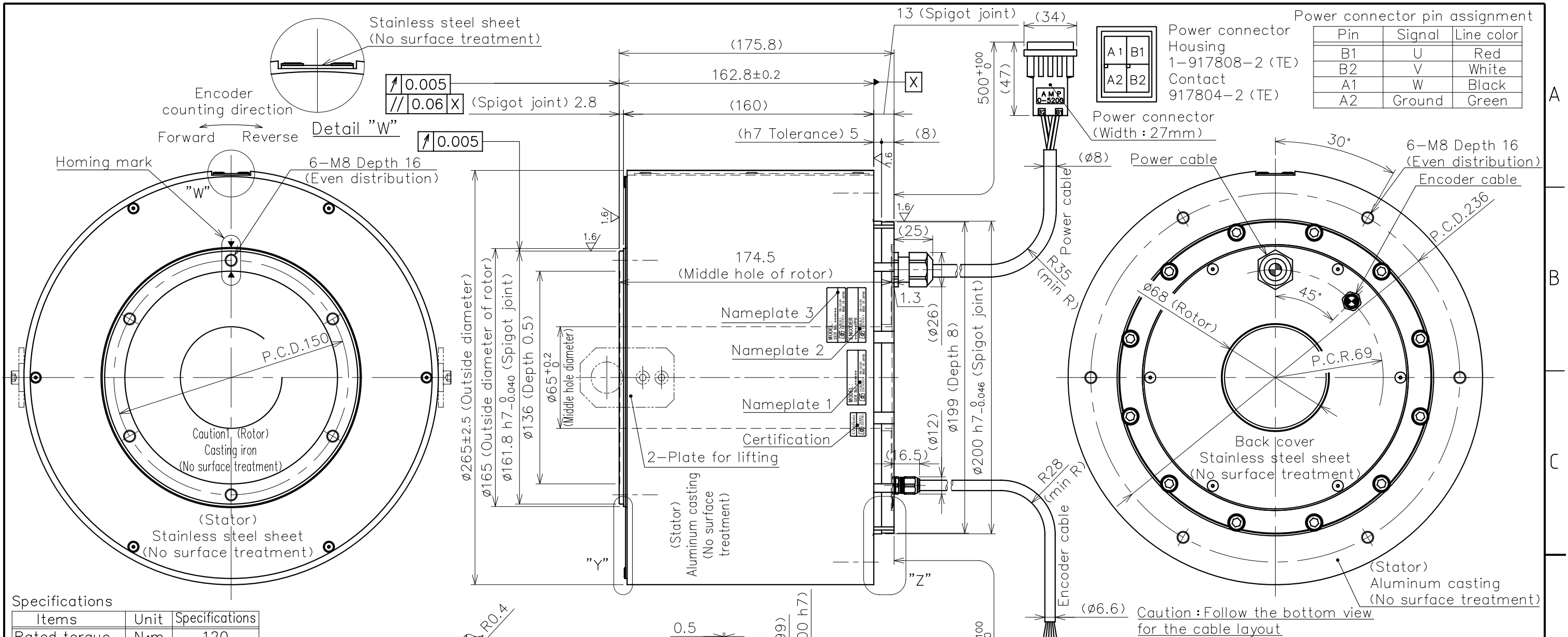




Specifications

Items	Unit	Specifications
Rated torque	N·m	120
Max torque	N·m	300
Rated current	A	10
Rated rotation speed	rps	2
Rated output	W	1,507
Encoder type	Optical absolute (single-turn)	
The signal output	Serial communication	
Interpolation unit	Built-in motor	
Detection pulse	PPR	6,815,744
Electrical detection resolution	arc second	0.191
Allowable moment load	N·m	450
Allowable axial load	N	30,000
Radial runout (No load)	mm	0.005
Axial runout (No load)	mm	0.005
Parallelism	mm	0.06 (OP: -)
Absolute position accuracy	arc second	±50 (OP: ±10)
Repeat accuracy (Back and forth)	arc second	±1
Rotor moment of inertia	kg·m ²	0.105
Mass	kg	42
Magnetic pole detection	Absolute position detection	
Power Source	ACV	3-phase 200V AC
Paired servo driver	kW	1.5
Duty type	-	Continuous (S1)
Mounting attitude	Horizontal (Rotor facing up and down direction)	
Protection class	IP	44
Operating temperature	°C	0~40
Humidity (Non-condensing)	%	85 or lower
Vibration resistance	G	1
Withstand voltage	AC 1500V for 1 min only	
Insulation resistance	Ω	100M or higher

Caution

- No surface treatment on the rotor. Please remove the anticorrosive coating before using the motor.
- Allowable axial load and allowable moment load indicated in the spec. sheet are the maximum allowable load when each load is independently activated. Please make sure to consult us in case of combined load at the axial load, radial load, and moment load to be activated, or life of the motor.
- Please do not wire the pin (A6~B7) which is reserved for encoder manufacturer to avoid the encoder troubles.

- The life of bearing and runout accuracy are different by load condition.
- The value adjustment of parallelism is available as option. For the details of specification value, please consult with our sales.
- Please make sure to consult with us if the mounting is other than horizontal attitude.

Rev. mark	Rev. note	APPROVED	CHECKED	DESIGNED
Entry no.		DATE	DATE	DATE

NOTE File name : SE-79550.dwg			Entry no. R.1-7.1.7.6.6	Product no. 2.4.8-0.0.7.0
Approved	Checked	Designed	Surface treatment	Model
			Refer drawing	Disc motor DD250-163-LSP5 (ABS) DD25-152L02CNN-P
			Material	Title
			Refer drawing	Dimensions (ABS) High precision
			Scale	Drawing No.
			1/2.5	SE-79550
			Third angle projection	REV.

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Un-used PINS : A4, A5, A8, B4 and B5