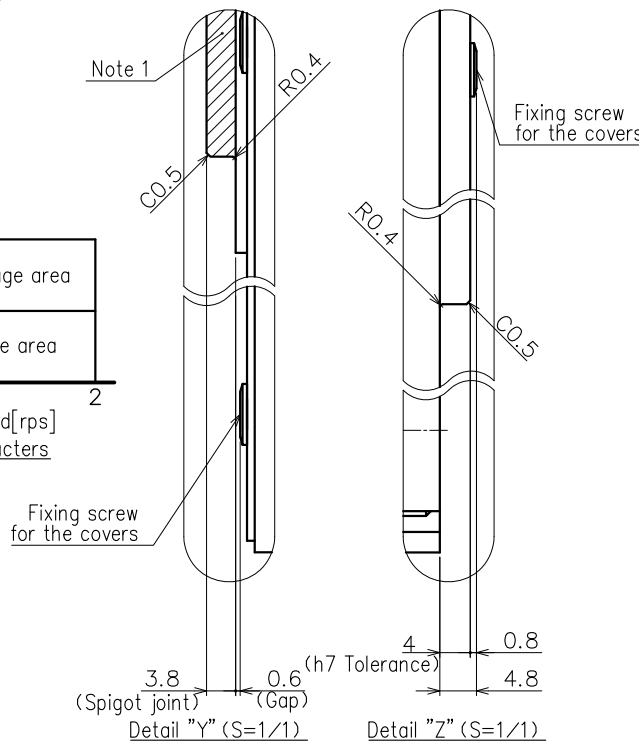
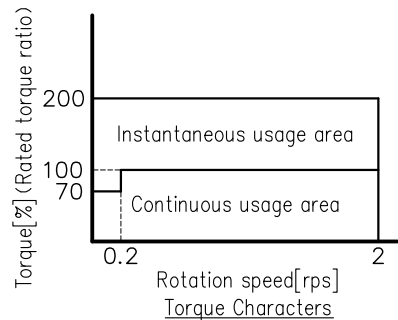
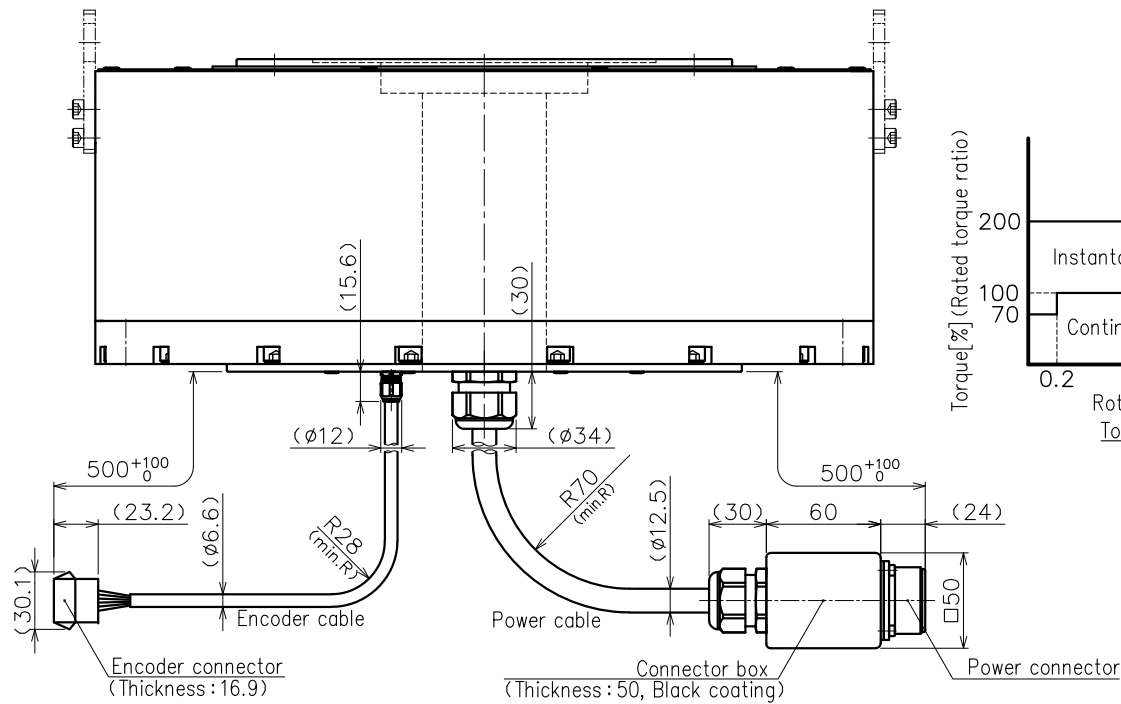
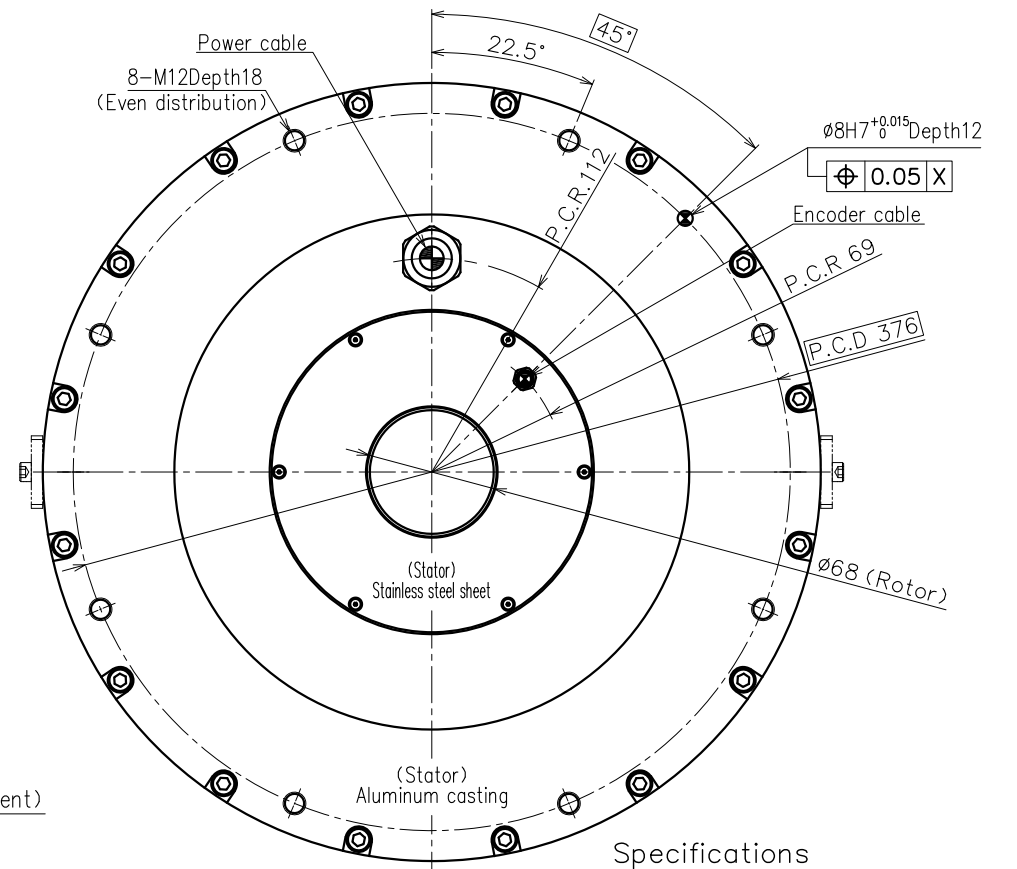
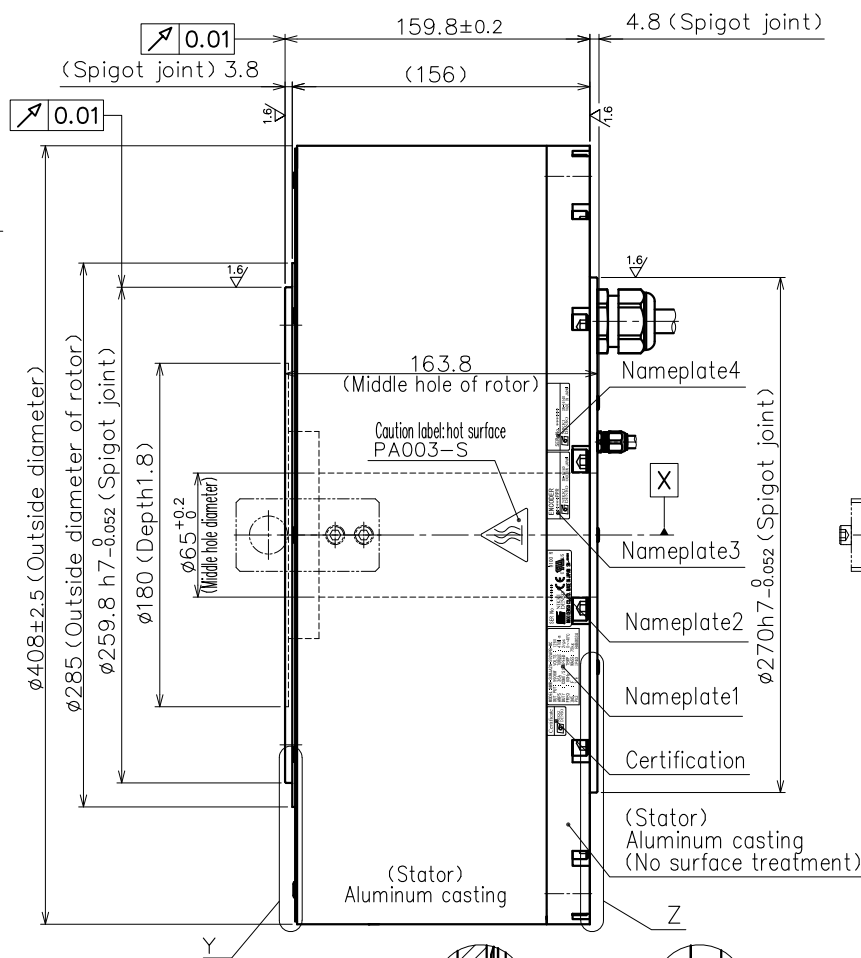
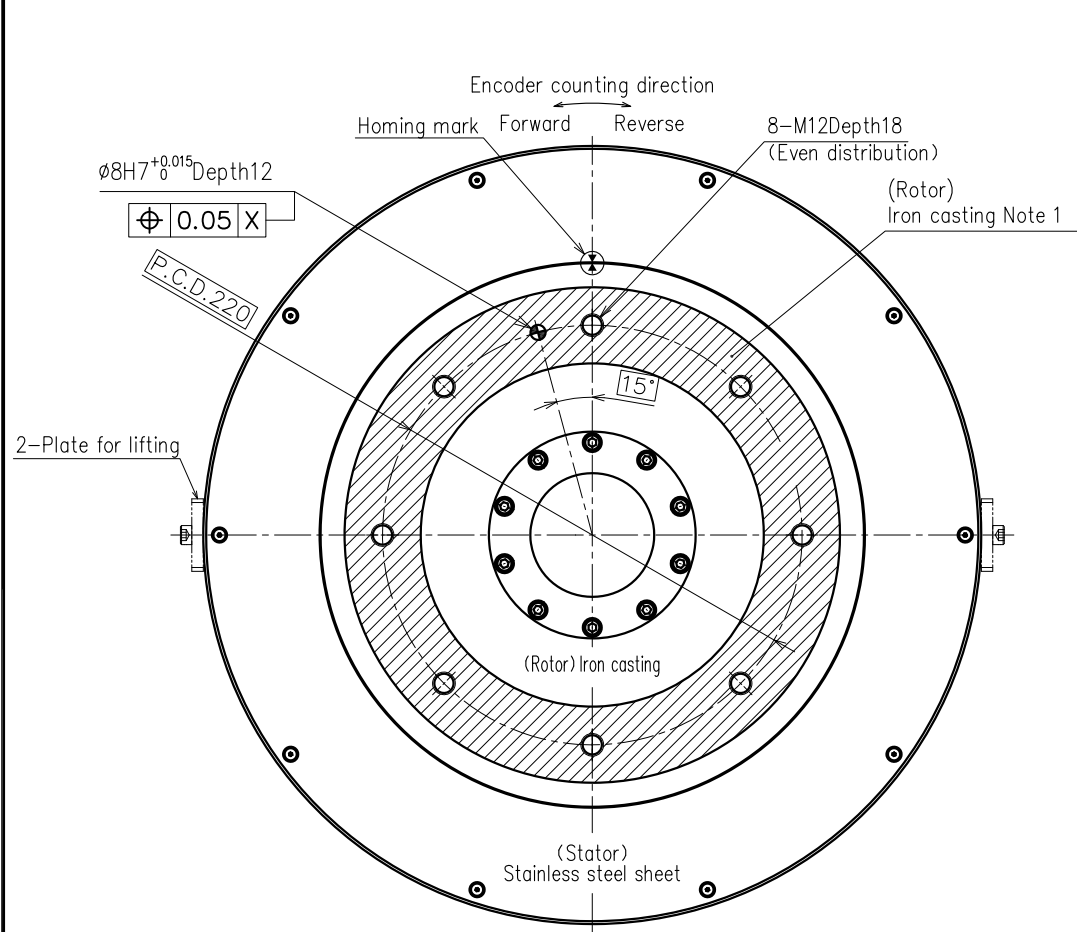




Nameplate list	
Index	Details
Nameplate 1	UL Motor serial No.1
Nameplate 2	UL Motor serial No.2
Nameplate 3	Encoder type, Resolution
Nameplate 4	Encoder software

Power connector pin assignment			
Pin	Signal	Line color	
A	U	Black	
B	V	Black	
C	W	Black	
D	Ground	Green/Yellow	

Encoder connector pin assignment			
Pin	Signal	Pin	Signal
A1	+5V	A5	N.C.
B1	GND	B5	N.C.
A2	+5V	A6	Reserved
B2	GND	B6	Reserved
A3	SD1	A7	Reserved
B3	SD1*	B7	Reserved
A4	N.C.	A8	FG
B4	N.C.	B8	FG

◆ The life of bearing and runout accuracy are different by load condition.
 ☆ Please make sure to consult with us if the mounting is other than horizontal attitude.

Specifications

Items	Unit	Specifications
Rated torque	N·m	470
Max. torque	N·m	940
Rated current	A	35
Rated rotation speed	rps	2
Rated output	W	5,906
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	315
Allowable axial load	N	14,500
Radial runout (No load)	mm	0.01
Axial runout (No load)	mm	0.01
Rotor moment of inertia	kg·m ²	0.393
Mass	kg	75.0
Magnetic pole detection		Absolute position detection
Power source	ACV	3-phase 200V
Paired servo driver		7.5KW
Duty type	—	Continuous (S1)
Mounting attitude	—	Horizontal (Rotor facing upward) ☆
Protection class	IP	40
Operating temperature	°C	0~40
Humidity (Non-condensing)	%	0~85
Vibration resistance	G	1
Withstand voltage	AC 1500V for 1 min. only	
Insulation resistance	Ω	100M or higher

Note

- The spigot joint surface of rotation part (both axial and radial) are coated by the transparent color coating agent for the rust prevention under the environment of no condensation. Make sure to use the dry cloth when you clean up the spigot joint surface of rotation part. Never use the organic solvent such as acetone or ethanol since these solvent destroys the coating agent and will cause the rusting.
- 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.
- Special model motor, please refer to the special model drawing.

NOTE File name/SE-84260A.dwg			ENTRY No. R1-721,76	PRODUCT No. 248-287.1
APPROVED	CHECKED	DESIGNED	FINISH	MODEL
				zDISC Motor ND400-160-LSPB-UC (ABS) NMR-SUHJA2A-592APB-UC
			MATERIAL	TITLE
			Refer drawing	Dimensions (ABS High precision)
			SCALE 1/4	DRAWING No.
			third angle projection	REV.
				SE-84260A