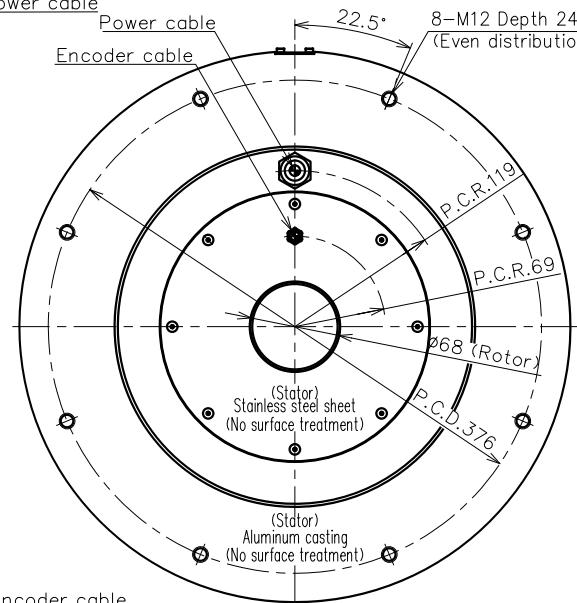
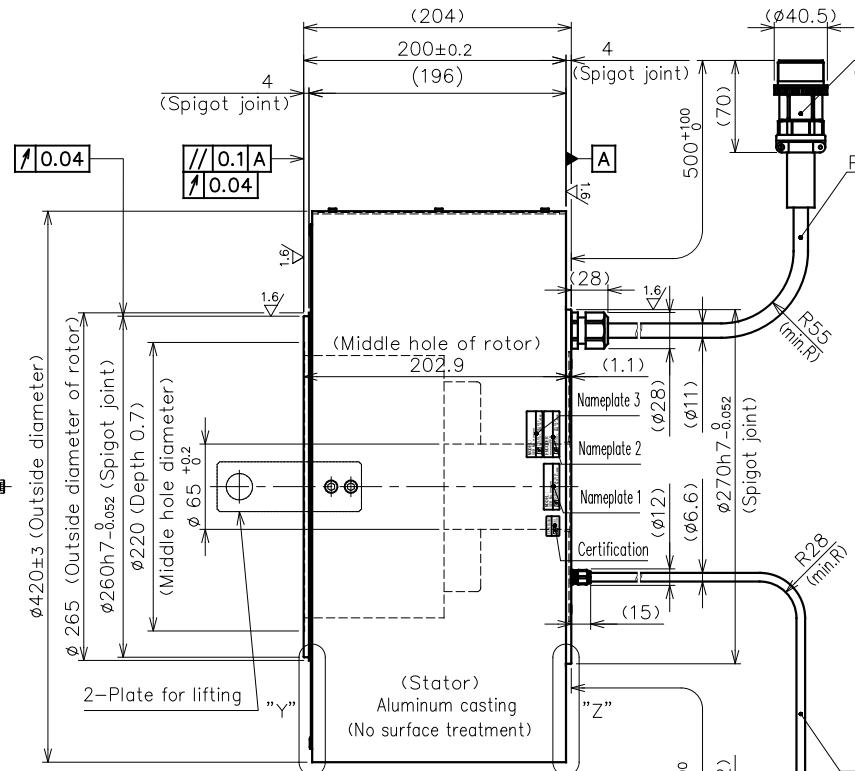
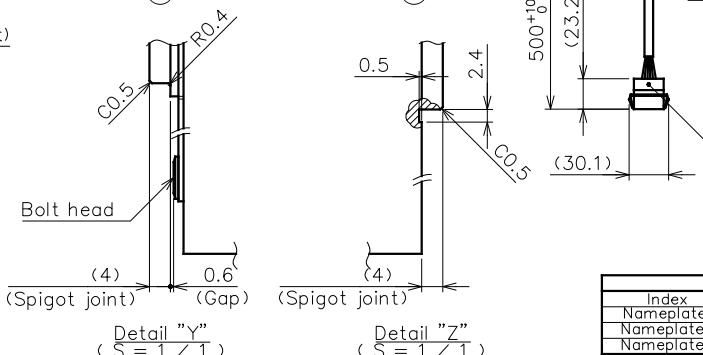
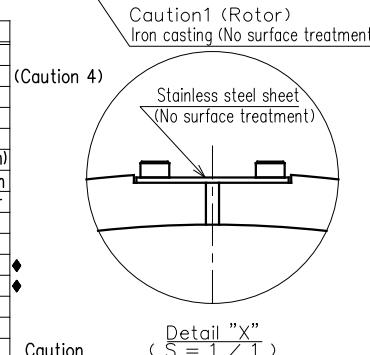


Specifications

Items	Unit	Specifications
Rated torque	N·m	500
Max torque	N·m	1000 1250
Rated current	A	34
Rated rotation speed	rps	2
Rated output	kW	6.283
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	2000
Allowable axial load	kN	44
Radial runout (No load)	mm	0.04
Axial runout (No load)	mm	0.04
Parallelism	mm	0.1
Absolute position accuracy	arc second	± 50 ($OP \pm 10$)
Repeat accuracy (Back and forth)	arc second	± 1
Rotor moment of inertia	kg·m ²	0.648
Mass	kg	109
Magnetic pole detection	—	Absolute position detection
Power Source	ACV	3-phase 200V AC
Paired servo driver (VCI)	kW	7.5 11
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 : Follow the bottom view for the cable layout



Nameplate list	
Index	Details
Nameplate1	Motor serial No.
Nameplate2	Encoder type, Resolution
Nameplate3	Encoder software

Encoder connector pin assignment	
Typing side	
B1 → B8	
Pin	Signal
A1	+5V
B1	GND
A2	+5V
B2	GND
A3	SD1
B3	SD1*
A4	N.C.
B4	N.C.
A1 → A8	
Power connector pin assignment	
Pin	Signal
A	U
B	V
C	W
D	Ground
	Green
Adapter: N/MS3101B22-2P (JAE)	
Clamp: N/MS3057-12A (JAE)	
Housing: J21DPM-16V-KY (JST)	
Contact: SJ2M-002GF-M1.ON (JST)	

Caution

(S = 1/1)

- 1.No surface treatment on the rotor. Please remove the anticorrosive coating before using the motor.
- 2.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.
- 3.Please do not wire the pin (A6~B7) which is reserved for encoder manufacturer to avoid the encoder troubles.
- 4.To run the motor at max. torque of 1250Nm, the output of paired servo driver must be 11kW or higher.
- 5.Pass thru hole must be Ø50 or larger.
- 6.Motor outer periphery is the casting surface, and certain irregularity may be found.

- * 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.

△			
△			
△			
△			

Approved	Checked	Designed

NIKKI DENSO CKD NIKKI DENSO CO., LTD

Third angle projection

Entry no. R_1_7_1_7_6_7 Product no. 2,4,8,-0,2,5,0
Surface treatment Model DISC motor DD400-200-LS(ABS) DD40-622L02CNN
Refer drawing Title Dimensions (ABS)
Material Refer drawing Scale 1 / 4 Drawing No. S.E - 7 9 5 8 0 REV.
Approved Date Checked Date Designed Date
APPROVED CHECKED DESIGNED
DATE DATE DATE
NIKKI DENSO CKD NIKKI DENSO CO., LTD