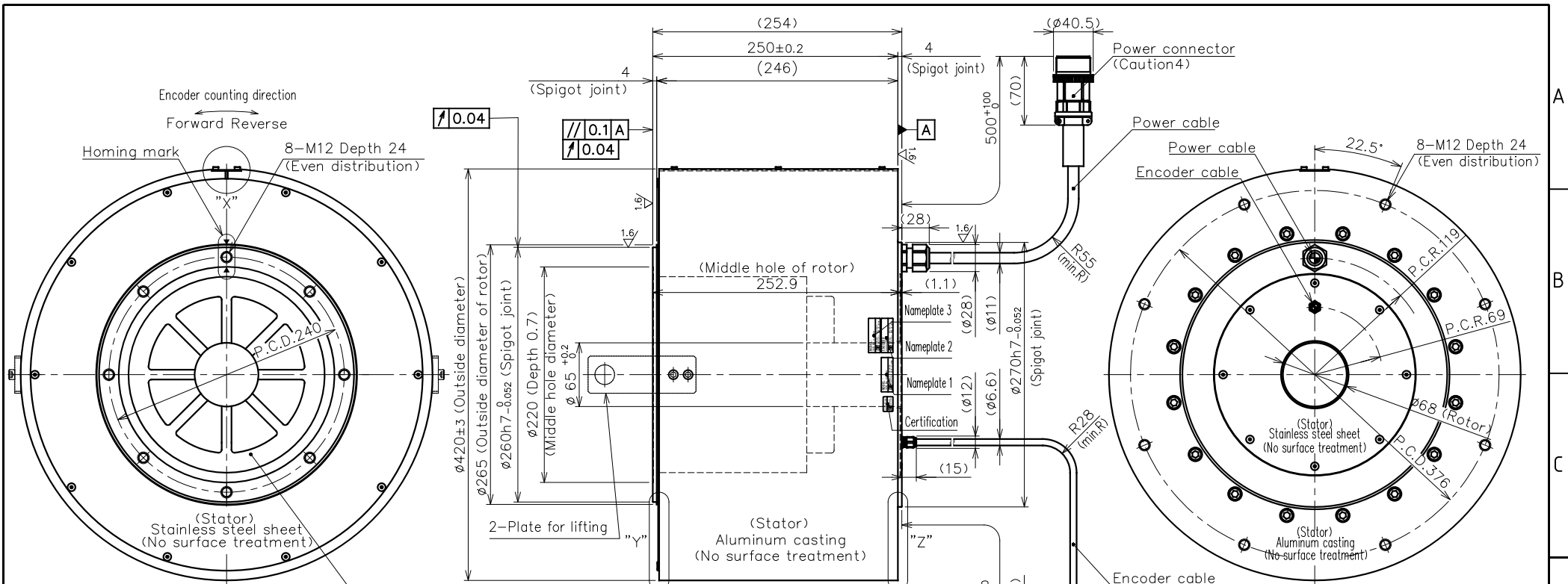
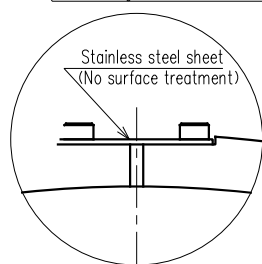




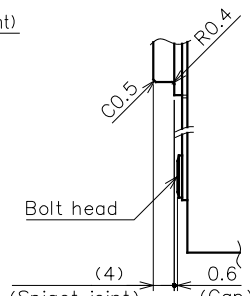
Specifications

Items	Unit	Specifications
Rated torque	N·m	750
Max torque	N·m	1700
Rated current	A	33
Rated rotation speed	rps	1
Rated output	kW	4.712
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	3000
Allowable axial load	kN	55
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: ±10)
Repeat accuracy (Back and forth)	arc second	±1
Rotor moment of inertia	kg·m ²	0.915
Mass	kg	140
Magnetic pole detection	—	Absolute position detection
Power Source	ACV	3-phase 200V AC
Paired servo driver (VCI)	kW	7.5
Duty type	—	Continuous (S1)
Mounting attitude	Horizontal (Rotor facing up and down direction)★	
Protection class	IP	44
Operating temperature	℃	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

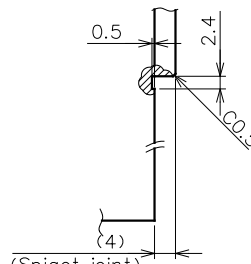
Caution1 (Rotor)
Iron casting (No surface treatment)



Detail "X"
(S = 1 / 1)



Detail "Y"
(S = 1 / 1)



Detail "Z"
(S = 1 / 1)

Caution

- 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 momentload 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.Pass thru hole must be Ø50 or larger.
- 5.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.

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

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

Adapter: N7MS3101B22-22P (JAE)
Clamp: N7MS3057-12A (JAE)

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	N.C.
B4	N.C.	B8	FG

Housing: J21DPM-16V-KY (JST)
Contact: SJ2M-0020F-M1.0N (JST)

Rev	mark	Rev.note	DATE	DATE
1				
2				
3				
4				
5				
6				
7				
8				

NOTE File name: SE-79620.dwg

Approved Checked Designed

NIKKI DENSO CKD NIKKI DENSO CO., LTD

Third angle projection

Entry no. R1-7,1,7,6,7	Product no. 2,4,8-0,2,9,0
Surface treatment Refer drawing	Model DISC motor DD400-250-LS (1rps ABS) DD400-472L01CNN
Material Refer drawing	Title Dimensions (ABS)
Scale 1/4	Drawing No. S.E-7,9,6,2,0
Rev.	