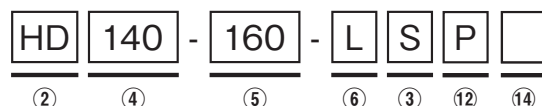
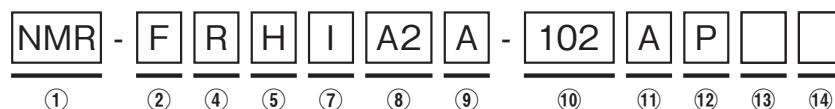


■ τDISC HD-s Series Model and motor type description

◎ Motor type



◎ Model



①	NMR…Direct drive motor Series		
②	Middle product classification(1)	Motor type	HD…HD-s Series
		Model	F…HD-s Series
③	Middle product classification(2)	S…ND-s Series / ND-s HS Series/ DD-s Series/ HD-s Series	
④	Nominal diameter *1	With flange	Flange less
			R…140 (Actual range 140 to 149mm)
			S…180 (Actual range 170 to 189mm)
⑤	Nominal height *1	With flange	Flange less
			H…160 (Actual range 150 to 169mm)
			I…185 (Actual range 170 to 199mm)
			J…200 (Actual range 200 to 219mm)
⑥	Motor flange	F…With flange	L…Flange less
⑦	Encoder type	I…Incremental encoder	
⑧	Power supply voltage	A2…200 VAC	
⑨	Order of design	A→B→C…Starting from A	
⑩	Rated output	Example) 102 … 10 ² =10×10 ² =1000W 	

*1 The motor type is represented by a numerical value. Nominal dimensions may be different from actual dimensions. For details, refer to the dimensions.

* Dimensions are subject to change without prior notice to improve the product. Before designing, download the latest dimensions from the CKD Nikki Denso website.

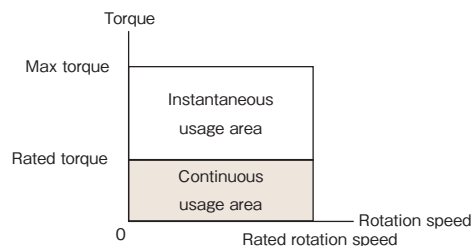
■ About the encoder type

The encoder type of the HD-s Series is the incremental encoder only.

■ Common specifications

Ambient operating temperature	0 to 40°C
Ambient operating humidity	85% or less; no condensation
Installation location	Do not install in a harmful atmosphere containing corrosive gas, grinding oil, metal dust, oil, etc. Install indoors, do not exposed to direct sunlight.
Installation direction	Horizontal with the rotor facing upward. *If the installation direction is not horizontal with the rotor facing upward, consult with our sales staff.
Cooling method	Natural air cooling
Insulation class	Class F
Withstand voltage	1,500 VAC, 1 minute
Protection class	IP42
Height above sea level	1,000 m or less
Vibration resistance	1G (3 directions, 2 hours each)
Shock resistance	30G (3 directions, 2 times each)

■ Torque characteristics



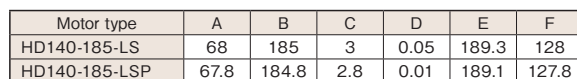
* If the locking operation or an equivalent operation (ultra low speed rotation or reciprocation within a very small range of angles) is performed continuously, the electronic thermal value may be reduced for motor protection. When you plan to perform the above operation, contact our sales staff.

T DISC HD-S Series

*5 For details, refer to "τ DISC absolute position compensation function option" on p.42.

7 DISC HD-S Series

NMR-FRIIA2A-122A(P)



NMR-FSJIA2A-252A(P)

