CONTROL TECHNIQUES

DIGITAX SF

LOW POWER, EASY TO USE SERVO SOLUTIONS

AC DRIVES, SERVO

NEW

DRIVE OBSESSED

DIGITAX SF

LOW POWER, EASY TO USE SERVO SOLUTIONS

Control Techniques has set the standards in motor control since 1973.

DIGITAX SF

50 W – 2 kW 200 V (single phase <1 kW)

Analog or pulse interface

17 bit absolute encoder (single or multi-turn)

- High performance servo control
- Easy set-up, tuning and state monitoring with SF Connect
- Advanced damping and resonance suppression with notch filters and FFT analysis

Drives

Rated Output	Rated Output
50 W 100 W 200 W 400 W	750 W
Rated Output	**Rated Output**
1 kW	1.5 kW 2 kW

Model Number

DA Series

2 Input Power Supply

Code	Main Circuit Power	Control Power
2	AC 200 V - 240 V (*)	DC 24 V

Y Compatible Motor

Code	Model	Rated Output
Y	Mx500x2xx	50 W
Z	Mx101x2xx	100 W
1	Mx201x2xx	200 W
2	Mx401x2xx	400 W
3	Mx751x2xx	750 W
4	Mx102x2xx	1 kW
6	Mx152x2xx	1.5 kW
8	Mx202x2xx	2 kW

Z Main Circuit Power Supply

Code	Supply
Z	50 W
1	100 W
2	200 W
4	400 W
8	750 W
A	1 kW
B	1.5 kW
C	2 kW

(*) Single- or Three-phase option depends on compatible motor.
50 W - 750 W : Single-phase
1 kW : Single-phase/Three-phase
1.5 kW, 2 kW : Three-phase

Motor Models

Inertia

- Low Inertia
- Middle Inertia
- High Inertia

Flange Size

- 40 mm x 40 mm
- 60 mm x 60 mm
- 80 mm x 80 mm
- 130 mm x 130 mm

Rotational Speed

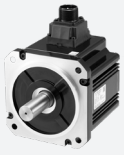
- Rated Motor Speed/Max[r/min]
  2,000 / 3,000 [r/min]
- 3,000 / 6,000 [r/min]

IP Code

- IP65
- IP67

Low Inertia				
		200 W 400 W 	750 W 	

Middle Inertia				
	50 W 100 W 			1 kW 1.5 kW 2 kW 

High Inertia				
		200 W 400 W 	750 W 	1 kW 1.5 kW 

Model Number

MX Series

Code	Power	Specification
MX	50 W to 750 W	Low Inertia
MY	50 W to 750 W	Middle Inertia
MM	1 kW to 2 kW	
MZ	50 W to 750 W	High Inertia
MH	1 kW to 2 kW	

201 Rated Output

Code	Rated Output
500	50 W
101	100 W
201	200 W
401	400 W
751	750 W
102	1 kW
152	1.5 kW
202	2 kW

N Brake

Code	Holding Brake
N	Without
A	With

N Encoder

Code	Specification
N	17 bit single turn (incremental)
A	17 bit multi-turn with battery

2 Voltage

Code	Specification
2	AC 200 V to 240 V

S Shaft End Specifiction/Oil Seal

Code	Shaft End	Oil Seal
S (P)	Straight	Without
K (H)	Key	Without
T (R)	Straight	With
L (J)	Key	With

() Exclusively for 200 W. Shaft diameter = Ø11
The straight shaft products are not tapped end.

Nidec

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