



SEW
EURODRIVE

Revision





MOVIDRIVE® MDX60B/61B

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Technical data and dimension drawings

MOVIDRIVE® MDX60/61B...-5_3 (AC 400/500 V devices)

	P_{Mot}	0.55 kW (0.74 HP)	0.75 kW (1.0 HP)	1.1 kW (1.5 HP)	1.5 kW (2.0 HP)
Constant load					
	P_{Mot}	0.75 kW (1.0 HP)	1.1 kW (1.5 HP)	1.5 kW (2.0 HP)	2.2 kW (3.0 HP)
Variable torque load or constant load without overload					
Mass		2.0 kg (4.4 lb)		2.5 kg (5.5 lb)	
Dimensions	W × H × D	45 mm × 317 mm × 260 mm (1.8 in × 12.5 in × 10.2 in)		67.5 mm × 317 mm × 260 mm (2.66 in × 12.5 in × 10.2 in)	
MDX61B standard version (VFC/CFC/SERVO) Design with coated printed circuit boards		0005-5A3-4-00 0005-5A3-4-00/L	0008-5A3-4-00 0008-5A3-4-00/L	0011-5A3-4-00 0011-5A3-4-00/L	0014-5A3-4-00 0014-5A3-4-00/L
Part number		827 730 3 828 955 7	827 731 1 828 956 5	827 732 X 828 957 3	827 733 8 828 958 1
MDX61B application version (VFC/CFC/SERVO) Design with coated printed circuit boards		0005-5A3-4-0T 0005-5A3-4-0T/L	0008-5A3-4-0T 0008-5A3-4-0T/L	0011-5A3-4-0T 0011-5A3-4-0T/L	0014-5A3-4-0T 0014-5A3-4-0T/L
MDX61B standard version (VFC/CFC/SERVO) Design with coated printed circuit boards		0005-5A3-4-00 0005-5A3-4-00/L	0008-5A3-4-00 0008-5A3-4-00/L	0011-5A3-4-00 0011-5A3-4-00/L	0014-5A3-4-00 0014-5A3-4-00/L
Part number		827 734 6 828 960 3	827 735 4 828 961 1	827 736 2 828 963 8	827 737 0 828 964 6
Mass		2.3 kg (5.1 lb)		2.8 kg (6.2 lb)	
Dimensions	W × H × D	72.5 mm × 317 mm × 260 mm (2.85 in × 12.5 in × 10.2 in)		95 mm × 317 mm × 260 mm (3.7 in × 12.5 in × 10.2 in)	
Recommended motor power		→ MOVIDRIVE® B catalog or system manual, motor selection chapter			

3.3.2 MOVIDRIVE® MDX61B0015/0022/0030/0040 size 1 (AC 400/500 V devices)

MOVIDRIVE® MDX61B		0015-5A3-4-0_	0022-5A3-4-0_	0030-5A3-4-0_	0040-5A3-4-0_
INPUT					
Nominal line voltage (to EN 50160)	V_{line}	3 × AC 380 V – 500 V			
Line frequency	f_{line}	50 Hz – 60 Hz ±5%			
Nominal line current ¹⁾ I_{line}	100%	AC 3.6 A	AC 5.0 A	AC 6.3 A	AC 8.6 A
(at $V_{line} = 3 \times AC 400 V$)	125%	AC 4.5 A	AC 6.2 A	AC 7.9 A	AC 10.7 A
OUTPUT					
Apparent output power ²⁾	S_N	2.8 kVA	3.8 kVA	4.9 kVA	6.6 kVA
(at $V_{line} = 3 \times AC 380 - 500 V$)					
Nominal output current ¹⁾	I_N	AC 4 A	AC 5.5 A	AC 7 A	AC 9.5 A
(at $V_{line} = 3 \times AC 400 V$)					
Continuous output current (= 125% I_N)	I_D	AC 5 A	AC 6.9 A	AC 8.8 A	AC 11.9 A
(at $V_{line} = 3 \times AC 400 V$ and $f_{PWM} = 4 kHz$)					
Continuous output current (= 100% I_N)	I_D	AC 4 A	AC 5.5 A	AC 7 A	AC 9.5 A
(at $V_{line} = 3 \times AC 400 V$ and $f_{PWM} = 8 kHz$)					
Max. output frequency	f_{max}	599 Hz			
Current limiting	I_{max}	Motor and regenerative 150% I_N , duration depending on the capacity utilization			
Internal current limitation		$I_{max} = 0 - 150\%$ adjustable			
Permitted minimum braking resistance value (4Q operation)	R_{BRmin}	68 Ω			
Output voltage	V_O	Max. V_{line}			
PWM frequency	f_{PWM}	Adjustable: 4/8/12/16 kHz			
Speed range / resolution	$n_A / \Delta n_A$	-6000 – 0 – +6000 rpm / 0.2 rpm over the entire range			
GENERAL INFORMATION					
Power loss at S_N ²⁾	P_{Vmax}	85 W	105 W	130 W	180 W
Cooling air consumption		40 m ³ /h			
Mass		3.5 kg (7.7 lb)			
Dimensions	W × H × D	105 mm × 314 mm × 234 mm (4.13 in × 12.4 in × 9.21 in)			

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