



Size 2

MOVIDRIVE® MD_60A		0055-5A3-4-0_	0075-5A3-4-0_	0110-5A3-4-0_
INPUT				
Supply voltage	V_{in}	3 × 380 V _{AC} -10 % – 3 × 500 V _{AC} +10 %		
Supply frequency	f_{in}	50 Hz – 60 Hz ±5 %		
Rated system current ¹⁾ I_{in} (at $V_{in} = 3 \times 400$ V _{AC})	100 %	11.3 A _{AC}	14.4 A _{AC}	21.6 A _{AC}
	125 %	14.1 A _{AC}	18.0 A _{AC}	27.0 A _{AC}
OUTPUT				
Output rated power ²⁾ (at $V_{in} = 3 \times 380 - 500$ V _{AC})	P_N	8.7 kVA	11.2 kVA	16.8 kVA
Output rated current ¹⁾ (at $V_{in} = 3 \times 400$ V _{AC})	I_N	12.5 A _{AC}	16 A _{AC}	24 A _{AC}
Current limitation	I_{max}	Motor and regenerative 150 % I_N , duration depending on the capacity utilization		
Internal current limitation		$I_{max} = 0 - 150$ % can be set in menu (P303 / P313)		
Minimum permitted brake resistance value (4Q operation)	R_{BRmin}	47 Ω		22 Ω
Output voltage	V_{out}	max. V_{in}		
PWM frequency	f_{PWM}	Adjustable with VFC: 4/8/12/16 kHz (P860 / P861); with CFC/SERVO fixed at 8 kHz		
Speed range / resolution	$n_A / \Delta n_A$	-5000 – 0 – +5000 rpm / 0.2 rpm across the entire range		
GENERAL				
Power loss at P_N	P_{Vmax}	220 W	290 W	400 W
Cooling air consumption		80 m ³ /h (48 ft ³ /min)		
Weight		6.6 kg (14.55 lb)		
Dimensions	$W \times H \times D$	130 × 336 × 325 mm (5.12 × 13.23 × 12.80 in)		

1) The system and output currents must be reduced by 20 % from the nominal values for $V_{in} = 3 \times 500$ V_{AC}.

2) MDF and MDV units in VFC operating modes: The performance data apply to $f_{PWM} = 4$ kHz (factory setting).

MDF60A standard type (VFC)	0055-5A3-4-00	0075-5A3-4-00	0110-5A3-4-00
Part number	826 468 6	826 470 8	826 472 4
MDF60A technology type (VFC)	0055-5A3-4-0T	0075-5A3-4-0T	0110-5A3-4-0T
Part number	827 326 X	827 327 8	827 328 6
 Constant load Rec. motor power P_{Mot}	5.5 kW (7.5 HP)	7.5 kW (10 HP)	11 kW (15 HP)
 Variable torque load or constant load without overload Rec. motor power P_{Mot}	7.5 kW (10 HP)	11 kW (15 HP)	15 kW (20 HP)
Continuous output current = 125 % $I_N I_D$ (at $V_{in} = 3 \times 400$ V _{AC} and $f_{PWM} = 4$ kHz)	15.6 A _{AC}	20.0 A _{AC}	30.0 A _{AC}

MDV60A standard type (VFC/CFC)	0055-5A3-4-00	0075-5A3-4-00	0110-5A3-4-00
Part number	826 485 6	826 487 2	826 489 9
MDV60A technology type (VFC/CFC)	0055-5A3-4-0T	0075-5A3-4-0T	0110-5A3-4-0T
Part number	827 340 5	827 341 3	827 342 1
VFC operating mode	Recommended motor power → MDF60A		
CFC operating mode			
Continuous output current = 100 % $I_N I_D$	12.5 A _{AC}	16 A _{AC}	24 A _{AC}
Recommended motor power	→ System Manual, Sec. Project Planning, CFC motor selection		

MDS60A standard type (SERVO)	0055-5A3-4-00	0075-5A3-4-00	0110-5A3-4-00
Part number	826 502 X	826 504 6	826 506 2
MDS60A technology type (SERVO)	0055-5A3-4-0T	0075-5A3-4-0T	0110-5A3-4-0T
Part number	827 354 5	827 355 3	827 356 1
Continuous output current = 100 % $I_N I_D$	12.5 A _{AC}	16 A _{AC}	24 A _{AC}
Recommended motor power	→ System Manual, Sec. Project Planning, SERVO motor selection		