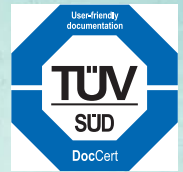
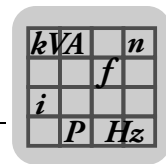




System Manual

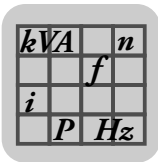


MOVITRAC[®] B

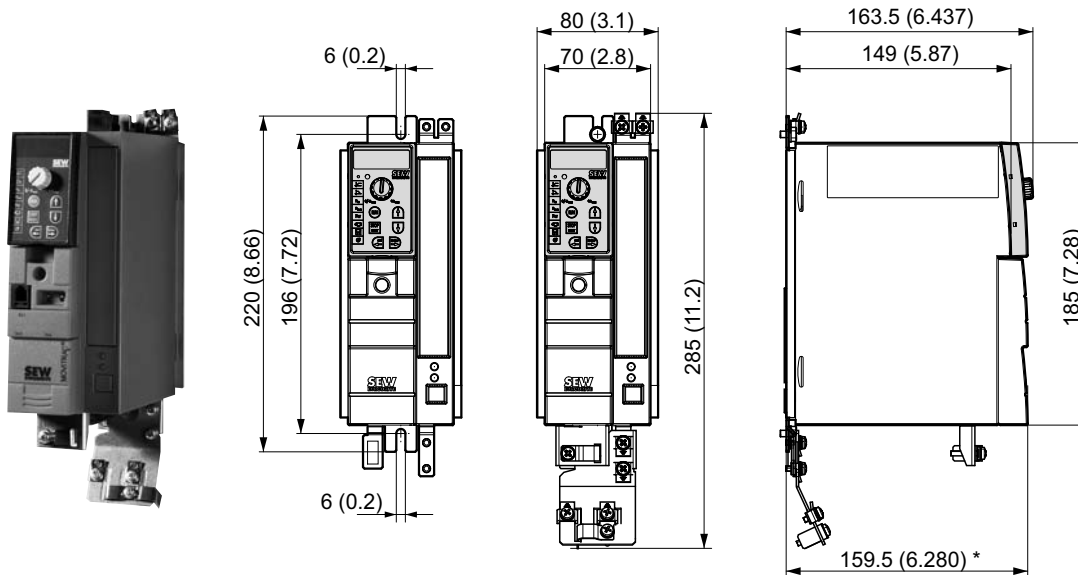


1.3 The units at a glance

Line connection	Motor power	Nominal output current	MOVITRAC® B type	Size
230 V 1-phase	0.25 kW / 0.34 HP	AC 1.7 A	MC07B0003-2B1-4-00	0XS
	0.37 kW / 0.50 HP	AC 2.5 A	MC07B0004-2B1-4-00	
	0.55 kW / 0.74 HP	AC 3.3 A	MC07B0005-2B1-4-00	0S
	0.75 kW / 1.0 HP	AC 4.2 A	MC07B0008-2B1-4-00	0L
	1.1 kW / 1.5 HP	AC 5.7 A	MC07B0011-2B1-4-00	
	1.5 kW / 2.0 HP	AC 7.3 A	MC07B0015-2B1-4-00	
	2.2 kW / 3.0 HP	AC 8.6 A	MC07B0022-2B1-4-00	
230 V 3-phase	0.25 kW / 0.34 HP	AC 1.7 A	MC07B0003-2A3-4-00	0XS
	0.37 kW / 0.50 HP	AC 2.5 A	MC07B0004-2A3-4-00	0S
	0.55 kW / 0.74 HP	AC 3.3 A	MC07B0005-2A3-4-00/S0	
	0.75 kW / 1.0 HP	AC 4.2 A	MC07B0008-2A3-4-00/S0	0L
	1.1 kW / 1.5 HP	AC 5.7 A	MC07B0011-2A3-4-00/S0	
	1.5 kW / 2.0 HP	AC 7.3 A	MC07B0015-2A3-4-00/S0	
	2.2 kW / 3.0 HP	AC 8.6 A	MC07B0022-2A3-4-00/S0	
	3.7 kW / 5.0 HP	AC 14.5 A	MC07B0037-2A3-4-00	1
	5.5 kW / 7.4 HP	AC 22 A	MC07B0055-2A3-4-00	2
	7.5 kW / 10 HP	AC 29 A	MC07B0075-2A3-4-00	3
	11 kW / 15 HP	AC 42 A	MC07B0110-203-4-00	
	15 kW / 20 HP	AC 54 A	MC07B0150-203-4-00	
	22 kW / 30 HP	AC 80 A	MC07B0220-203-4-00	4
	30 kW / 40 HP	AC 95 A	MC07B0300-203-4-00	
400 V 3-phase	0.25 kW / 0.34 HP	AC 1.0 A	MC07B0003-5A3-4-00	0XS
	0.37 kW / 0.50 HP	AC 1.6 A	MC07B0004-5A3-4-00	0S
	0.55 kW / 0.74 HP	AC 2.0 A	MC07B0005-5A3-4-00/S0	
	0.75 kW / 1.0 HP	AC 2.4 A	MC07B0008-5A3-4-00/S0	
	1.1 kW / 1.5 HP	AC 3.1 A	MC07B0011-5A3-4-00/S0	
	1.5 kW / 2.0 HP	AC 4.0 A	MC07B0015-5A3-4-00/S0	0L
	2.2 kW / 3.0 HP	AC 5.5 A	MC07B0022-5A3-4-00/S0	
	3.0 kW / 4.0 HP	AC 7.0 A	MC07B0030-5A3-4-00/S0	
	4.0 kW / 5.4 HP	AC 9.5 A	MC07B0040-5A3-4-00/S0	2S
	5.5 kW / 7.4 HP	AC 12.5 A	MC07B0055-5A3-4-00	
	7.5 kW / 10 HP	AC 16 A	MC07B0075-5A3-4-00	
	11 kW / 15 HP	AC 24 A	MC07B0110-5A3-4-00	2
	15 kW / 20 HP	AC 32 A	MC07B0150-503-4-00	3
	22 kW / 30 HP	AC 46 A	MC07B0220-503-4-00	
	30 kW / 40 HP	AC 60 A	MC07B0300-503-4-00	
	37 kW / 50 HP	AC 73 A	MC07B0370-503-4-00	4
	45 kW / 60 HP	AC 89 A	MC07B0450-503-4-00	
	55 kW / 74 HP	AC 105 A	MC07B0550-503-4-00	5
	75 kW / 100 HP	AC 130 A	MC07B0750-503-4-00	


2.5.3 AC 400 / 500 V / 3-phase / size 0S / 0.55 / 0.75 / 1.1 / 1.5 kW / 0.74 / 1.0 / 1.5 / 2.0 HP

The dimensions are specified in mm (in).



* With front module FSE24B +4 mm (0.16 in)

MOVITRAC® MC07B (3-phase power supply)		0005-5A3-4-x0	0008-5A3-4-x0	0011-5A3-4-x0	0015-5A3-4-x0
Part number, standard unit (-00)		828 517 9	828 518 7	828 519 5	828 520 9
Part number "Safe stop" (-S0 ¹⁾)		828 995 6	828 996 4	828 997 2	828 998 0
INPUT²⁾					
Rated line voltage	V_{line}	3 × AC 380 – 500 V			
Nominal line frequency	f_{line}	50/60 Hz ±5 %			
Nominal line current (at $V_{line} = 3 \times AC 400 V$)	I_{line}	AC 1.8 A	AC 2.2 A	AC 2.8 A	AC 3.6 A
	$I_{line 125}$	AC 2.3 A	AC 2.6 A	AC 3.5 A	AC 4.5 A
OUTPUT					
Output voltage	V_O	3 × 0 – V_{mains}			
Recom. motor power 100% operation	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
Recom. motor power 125 % operation	$P_{Mot 125}$	0.75 kW / 1.0 HP	1.1 kW / 1.5 HP	1.5 kW / 2.0 HP	2.2 kW / 3.0 HP
Nominal output current 100% operation	I_N	AC 2.0 A	AC 2.4 A	AC 3.1 A	AC 4.0 A
Nominal output current 125 % operation	$I_{N 125}$	AC 2.5 A	AC 3.0 A	AC 3.9 A	AC 5.0 A
Apparent output power 100 % operation	S_N	1.4 kVA	1.7 kVA	2.1 kVA	2.8 kVA
Apparent output power 125 % operation	$S_{N 125}$	1.7 kVA	2.1 kVA	2.7 kVA	3.5 kVA
Min. perm. braking resistance (4-Q)	R_{BW_min}	68 Ω			
GENERAL INFORMATION					
Power loss 100 % operation	P_V	40 W	45 W	50 W	60 W
Power loss 125 % operation	$P_{V 125}$	45 W	50 W	60 W	75 W
Type of cooling / cooling air consumption		Natural convection			Forced air cooling / 12 m ³ /h
Current limitation		150 % I_N for at least 60 seconds			
Terminal cross section / tightening torque	Terminals	4 mm ² / AWG12 / 0.5 Nm / 4 lb in			
Dimensions	W × H × D	80 mm × 185 mm × 163.5 mm (3.1 in × 7.28 in × 6.437 in)			
Mass	m	1.5 kg / 3.3 lb			

1) The unit type MC07B...-S0 must always be supplied by an external DC 24 V power supply unit.

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