



Variable frequency drives, 3p, 400 V, 3.3A, 1.1kW

Part no. MMX34AA3D3N0-0
Article no. 122677
Catalog No. MMX34AA3D3N0-0

Delivery program

Product range			M-MAX (MMX)
Rated operational voltage			3 AC 400 V
Mains voltage (50/60Hz)	U_{LN}	V	380 (-15%) - 480 (+10%)
Assigned motor rating			
at 400 V, 50 Hz	P	kW	1.1
			Rated operational current at an operating frequency of 6 kHz and an ambient air temperature of +50 °C
at 460 V, 60 Hz	P	HP	1.5
			Assigned motor rating for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm ⁻¹ (at 50 Hz) or 1800 min ⁻¹ (at 60 Hz)
Rated operational current	I_e	A	3.3
Rated motor current			
at 400 V, 50 Hz	I_M	A	2.6
at 440 - 480 V, 60 Hz	I_M	A	3
Radio interference suppression filters			without internal radio interference suppression filter
Degree of Protection			IP20/NEMA 0
Brake chopper			with internal brake chopper
Frame size			FS2
Notes			
Cross-reference Increased protection type IP21/NEMA 1, → Accessories			

Technical data

Power section

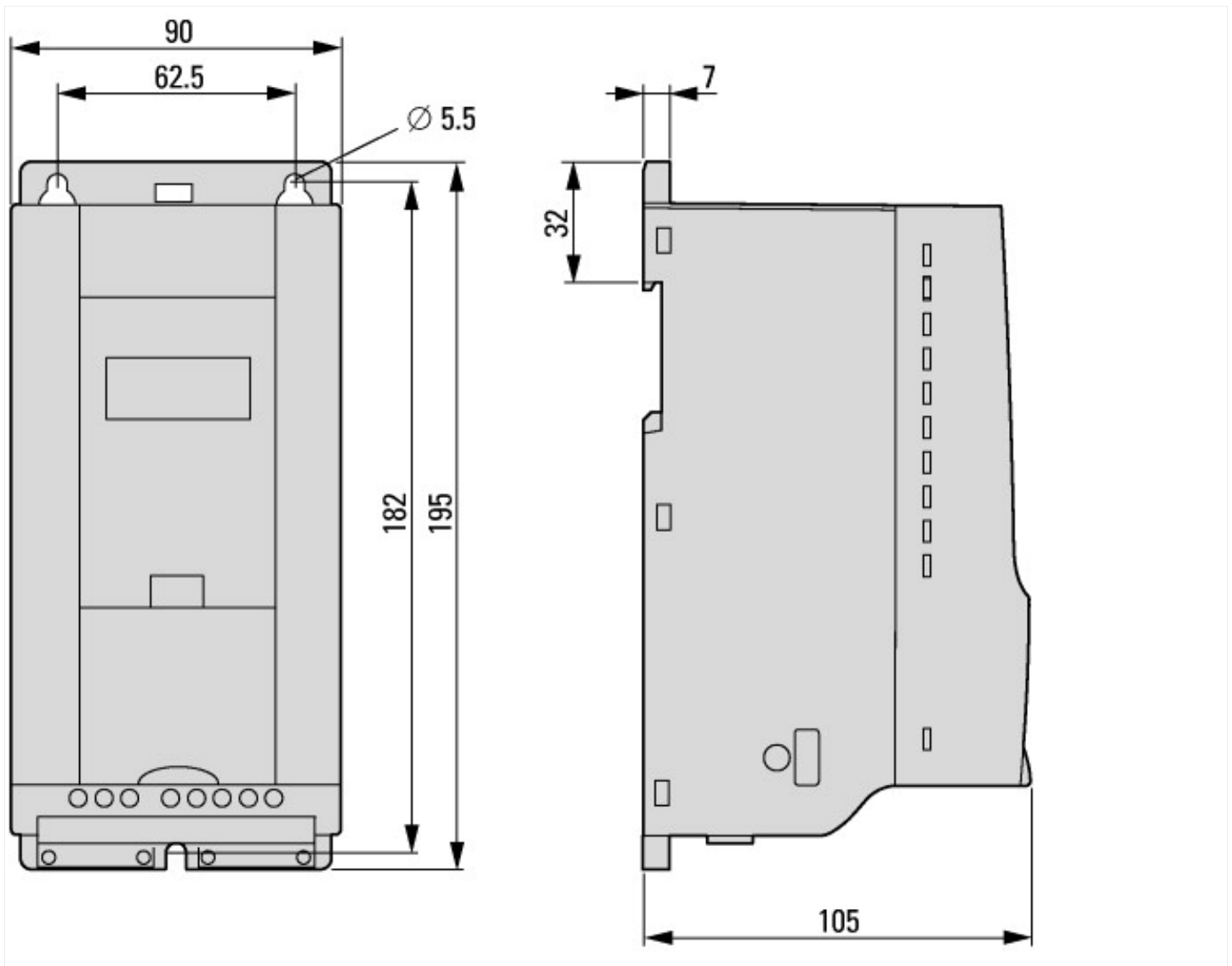
Input side			
Number of phases			three-phase (e.g. L1, L2, L3)
Mains voltage (50/60Hz)	U_{LN}	V	380 (-15%) - 480 (+10%)
Mains voltage UL/CSA (45-66 Hz ± 0%)	U_{LN}	V	323 - 528 (±0%)
Rated operational voltage			3 AC 400 V
Rated operational current	I_e	A	3.3
Input current	I_{LN}	T	4
Overload current for 60 s every 600 s at 50 °C		T	5
Starting current for 2 s every 20 s at 50 °C		T	6.6
Maximum leakage current to ground (PE) without motor	I_{PE}	mA	25.1
Apparent power			
Apparent power at rated operation 400 V	S	kVA	2.29
Apparent power at rated operation 480 V	S	kVA	2.74
Assigned motor rating			
at 400 V, 50 Hz	P	kW	1.1
at 460 V, 60 Hz	P	HP	1.5
Braking torque			
Standard braking torque			max. 30 % M_N
DC braking torque			max. 100% of rated operational current I_e , variable
Braking torque with external braking resistance			Max. 100% of rated operational current I_e with external braking resistor
minimum external braking resistance	R_{min}	Ω	55
Switch-on threshold for the braking transistor	U_{DC}	V DC	765

Switching frequency	f _{PWM}	kHz	6 adjustable 1 - 16
Heat dissipation at rated operational current I _e = 150 %	P _V	W	51.5
Efficiency		%	95
Fitted with			Fan (internal, temperature controlled)
Frame size			FS2
Weight	m	kg	0,700

Approvals

Product Standards			UL 508C; CSA-C22.2 No. 14; IEC/EN61800-3; IEC/EN61800-5; CE marking
UL File No.			E134360
UL Category Control No.			NMMS, NMMS7
CSA File No.			UL report applies to both US and Canada
CSA Class No.			3211-06
North America Certification			UL listed, certified by UL for use in Canada
Specially designed for North America			No
Suitable for			Branch circuits
Max. Voltage Rating			3~ 480 V AC IEC: TN-S UL/CSA: "Y" (Solidly Grounded Wye)
Degree of Protection			IEC: IP20; optionally UL/CSA NEMA 1

Dimensions



Additional product information (links)

IL04020006Z MMX adjustable frequency drives, size 1, 2 and 3

IL04020006Z MMX adjustable frequency drives, ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04020006Z2011_06.pdf
size 1, 2 and 3

MN04020001Z M-Max variable frequency drive, manual

MN04020001Z Frequenzumrichter M-Max, Handbuch - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_DE.pdf
MN04020001Z M-Max variable frequency drive, manual - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_EN.pdf
MN04020001Z Convertisseurs de fréquence M-Max, manuel - français	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_FR.pdf
MN04020001Z Frekvenční měnič M-Max, manuál - čeština	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_CZ.pdf
MN04020001Z Convertitori di frequenza M-Max, manuale - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_IT.pdf
MN04020001Z Przemiennek częstotliwości M-Max, podręcznik - polski	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_PL.pdf
MN04020001Z M-Max variable frequency drive, manual - русский	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_RU.pdf