

# Specifications

Mains supply (L1, L2, L3)	
Supply voltage	1 x 200–240 V ± 10%, 3 x 200–240 V ± 10% 3 x 380–480 V ± 10%
Supply frequency	50/60 Hz
Displacement Power Factor (cos φ) near unity	(> 0.98)
Switching on input supply L1, L2, L3	1–2 times/min.

Output data (U, V, W)	
Output voltage	0–100% of supply voltage
Output frequency	0–200 Hz (VVC+ mode) 0–400 Hz (U/f mode)
Switching on output	Unlimited
Ramp times	0.05–3600 sec

Digital inputs	
Programmable inputs	5
Logic	PNP or NPN
Voltage level	0–24 V
Maximum voltage on input	28 V DC
Input Resistance, Ri	Approx. 4 kΩ

Pulse inputs	
Programmable pulse inputs	1
Voltage level	0–24 V DC (PNP positive logic)
Pulse input accuracy (0,1–110 kHz)	Max. error: 0.1% of full scale
Pulse input frequency	20–5000 Hz

Analog input	
Analog inputs	2
Modes	1 current/1 voltage or current
Voltage level	0–10 V (scaleable)
Current level	0/4–20 mA (scaleable)

Analog output	
Programmable analog outputs	1
Current range at analog output	0/4–20 mA
Max. load to common at analog output	500 Ω
Accuracy on analog output	Max. error: 1% of full scale

## Ordering Numbers

Power [kW]	200–240 V			380–480 V	
	Current [I-nom.]	1 ph.	3 ph.	Current [I-nom.]	3 ph.
0.18	1.2	132F 0001			
0.25	1.5		132F 0008		
0.37	2.2	132F 0002	132F 0009	1.2	132F 0017
0.75	4.2	132F 0003	132F 0010	2.2	132F 0018
1.5	6.8	132F 0005	132F 0012	3.7	132F 0020
2.2	9.6	132F 0007	132F 0014	5.3	132F 0022
3.0				7.2	132F 0024
3.7	15.2		132F 0016		
4.0				9.0	132F 0026
5.5				12.0	132F 0028
7.5				15.5	132F 0030
11.0				23.0	132F 0058
15.0				31.0	132F 0059
18.5				37.0	132F 0060
22.0				43.0	132F 0061

Micro drives from 1.5 kW and up have built in brake chopper

On-board power supply	
Output voltage	10.5 ± 0.5 V, 24 ± 0.5 V
Max. load (10 V)	25 mA
Max. load (24 V)	100 mA

Relay outputs	
Programmable relay outputs	1
Max. terminal load	240 V AC, 2 A

Fieldbus communication	
FC Protocol, Modbus RTU	

Cable lengths	
Max. motor cable length, screened (shielded)	15 m
Max. motor cable length, unscreened (unshielded)	50 m

Surroundings/ External	
Enclosure	IP 20
Vibration test	0.7 g
Max. relative humidity	5%–95% (IEC 721-3-3; Class 3K3 (non-condensing) during operation)
Aggressive environment	(IEC 721-3-3), coated class 3C3
Ambient temperature	Max. 50° C
24-hour average	Max. 40° C

Approvals	
CE, C-tick, UL	

Protection and features	
<ul style="list-style-type: none"> <li>• Electronic thermal motor protection against overload</li> <li>• Temperature monitoring of the heat sink protects the drive from overheating</li> <li>• The drive is protected against short-circuits on motor terminals U, V, W</li> <li>• The drive is protected against earth fault on motor terminals U, V, W</li> </ul>	



## Cabinet sizes (mounting flange incl.)

[mm]	M1	M2	M3	M4	M5
Height	150	176	239	292	335
Width	70	75	90	125	165
Depth	148	168	194	241	248

+ 6 mm with potentiometer