

Eekels Frequency converters EVE 400/030M through 060M (22 through 55 kW)



model: 030M



model: 040M through 050M



model: 060M

Characteristics of the EVE frequency converters:

- Reliable
- High starting torque
- Quick response time (1ms)
- High efficiency-level of the drive
- Frequency range 0,01 up to 200,00 Hz
- Programmable in- and outputs
- Integrated setpoint PID
- Optional fieldbus interface (Profibus-DP etc.)
- Parametering possibility via Modbus
- Common DC-bus
- Universal control system
- According EnergieNed directive
- Motor sound switching behaviour
- Suitable for wall and cabinet mounting
- Dynamic control
- Attractive price performance ratio

EVE frequency converters are equipped with the most modern techniques.

Functionality of the converters is based on more than 25 years of experience in design, production and applying frequency controlled drives.

Each converter is equipped with a control system that converts a standard squirrel cage motor into a perfect adjustable drive.

Eekels, as the manufacturer of the frequency converters, can add hard and software modules to customise the drive.

The standard frequency converter supports many applications, such as: paper machines, cranes, centrifuges, fans etc.

Besides products and systems Eekels also implements Turn Key drive projects.



Product range drive technology:

- Frequency converters up to 1,2 MW/690V/12P
- Bi-directional supply units and choppers
- SR-speed control (0,01%)
- Soft starters
- Motors



Technische specificaties

EVE400/ . . .	030M		040M		050M		060M	
	II	I	II	I	II	I	II	I
duty class	II	I	II	I	II	I	II	I
max. motoroutput	22 kW	30 kW	30 kW	37 kW	37 kW	45 kW	45 kW	55 kW
max. output current	45 A	61 A	59 A	74 A	74 A	88 A	86 A	108 A
overload (60s)	150 %	110 %	150 %	125 %	150 %	125 %	150 %	115 %
manufacturer	EKEKELS ELEKTROTECHNIEK B.V.							
input line voltage	3 x 400V +10 - 15%							
input line frequency	50 Hz							
line current	41 A	55 A	55 A	68 A	68 A	82 A	82 A	101 A
cos phi	ca. 0,96							
max. line fuse	80 A gR		125 A gR		125 A gR		160 A gR	
output line voltage	3 x 0-400V							
frequency range	0-100,00Hz / 0-200,00Hz							
efficiency	higher than 97%							
max. power loss	0,6 kW	0,8 kW	0,8 kW	1,0 kW	1,0 kW	1,2 kW	1,2 kW	1,5 kW
cabinet air flow [m3/h]	120	160	160	200	200	240	240	300
max. ambient temp.	40°C (up to 50°C with reduction)							
degree of protection	IP-20 (up to IP-55 on request)							
max. length motor cable	100 m			100 m (> 100m optional)				
communication	MODBUS-RTU RS 232 (optional: RS485, fieldbus interface)							
interference protection	IEC 61800-3 (EN 55011 class A with optional accommodated RFI filter)							
line disturbance	According Energiened directive with external 3-phase line choke							
mass	31 kg		47 kg		47 kg		73 kg	
19" height	6 HE		10 HE		10 HE		14 HE	
dimension (hxbxd) mm	267x485x300		445x485x360		445x485x360		623x485x360	

Available types:
 380V through 500V / DC, 50 and 60Hz

type: EVE400/075M

Line voltage
 kVA
 Type

