

Variable speed drives

VariFlex³ variable speed drives - RVLF series

Accessories

Types

Size A

Size B

Braking unit

Drives, Inverters



Dimensions HxWxD (mm)

141 x 72 x 139

144 x 118 x 147

132 x 77 x 130.5

Features

V/F control Soft PWM. 3 modes selectable, 32 bit Processor, 150% torque at 3 Hz, RJ45 Interface, built-in EMI filter, Parameter Lock & Parameter access code, Auto sequencer 8 programmable presets for frequency & run duration, Individual Accel/decel for auto sequencer preset speeds, Five Multi function Inputs, Output relay programmable NO or NC

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External braking unit for RVEF frequency drives, with 240 VAC and 480 VAC inverter voltage. Applicable motor rated capacity up to 2.2 kW

Technical specifications

AC supply voltage

1-ph: 200-240 VAC;
3-ph: 380-480 VAC;

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3-ph: 380-480 VAC;

AC supply frequency

50/60 Hz

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Output voltage

3-ph: 0-240 VAC [RVLFA120...]
3-ph: 0-480 VAC [RVLFA340...]

3-ph: 0-240 VAC [RVLFB120...]
3-ph: 0-480 VAC [RVLFB340...]

Output frequency

0.01~650.00 Hz

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100% RMS output current

1.8 A [RVLFA...020F]
2.6 A [RVLFA...040F]
4.3 A [RVLFA...075F]

7.5 A [RVLFB120150F]
10.5 A [RVLFB120220F]
4.3 A [RVLFB340075F]
7.5 A [RVLFB340150F]
10.5 A [RVLFB340220F]

Input displacement factor (cos φ)

> 0.97

> 0.97

General specifications

Operating temperature

-10°C to +50°C

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Storage temperature

-20°C to +60°C

-20°C to +60°C

-20°C to +70°C

Degree of protection

IP 20

IP 20

IP 20

Power connections

Screw terminals

Screw terminals

Control connections

Screw terminals

Screw terminals

Drive connections

Screw terminals

Mounting

DIN-rail or panel mounting

DIN-rail or panel mounting

DIN-rail or panel mounting

Integrated cooling fan

No

Yes (1,5-2,2 kW)

Switching frequency

1 to 16 kHz

1 to 16 kHz

Approvals

CE - cULus

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Braking unit

Rate discharge current

240 V : 7.5 A

480 V : 3 A

Max. discharge current

240 V : 15 A

480 V : 7.5 A

References

200 - 240 VAC, 1-phase

RVLFA120020F (0.20 kW - 0.25 HP)
RVLFA120040F (0.40 kW - 0.50 HP)
RVLFA120075F (0.75 kW - 1.00 HP)

RVLFB120150F (1.50 kW - 2.00 HP)
RVLFB120220F (2.20 kW - 3.00 HP)

RVFTBU230

380 - 480 VAC, 3-phase

RVLFB340075F (0.75 kW - 1.00 HP)
RVLFB340150F (1.50 kW - 2.00 HP)
RVLFB340220F (2.20 kW - 3.00 HP)

RVFTBU480