



**FVR E11S**

## *The Economical Drive*

Motor capacity between 0.1 and 7.5kW

Dynamic torque vector control

High starting torque of 200% at 0.5Hz

Automatic/Online tuning

Miniature size

Certified according to world-wide standards

## FVR E11S-7/4EN – the best choice for all-round applications



FVR E11S



### Dynamic torque vector

- High starting torque of 200% at 0.5Hz
- Optimal control of voltage and current vectors for maximum output torque
- On-delay compensation for reduced motor wow at low speed



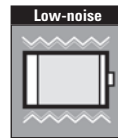
### Simple operation

- Intelligent keypad unit included
- Auto- and online tuning
- RS485 as standard, windows software
- Profibus DP, Interbus S, CAN Open, Device Net and Modbus+ interfaces available



### Compact

- Miniaturization to minimum level
- Line-up to 7.5kW/400V (constant torque)
- Uniform height dimension (up to 4.0kW)



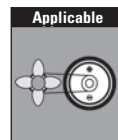
### Environmental-friendly functions

- Innovative IPM technology minimizes interference in sensor/actuator level
- Soft PWM for minimum motor noise and convenient sound tone



### User function

- Flying Start
- PID control
- Build in braking chopper for high braking torque



### Application

Main and auxiliary drive for packaging, wood, textile, machine tools, pumps, fans and building automation / HVAC systems

Fuji Electric is one of the leading companies in drive and automation technology. Frequency inverters by Fuji Electric have been displaying their high quality standards and extensive performance spectrum for more than 25 years. The manufacturer's "know-how" and the world-wide availability of Fuji Electric guarantee safe implementation in machinery and systems.

### FVR E11S-7/4EN – General specification

Standard motor rating	kW	0,1	0,75	2,2	0,4	4,0	7,5
Rated capacity	kVA	0,3	2,0	4,1	1,1	6,8	13
Output voltage	V	3-phase, 0-U <sub>N</sub>					
Nominal current	A	0,8	5,0	11,0	1,5	9,0	18
Overload capability	A	200% for 0.5s., 150% for 1min.					
Input voltage	V	1-phase, 200V – 240V, 50/60Hz			3-phase, 380V – 480V, 50/60Hz		
Voltage/Frequency tolerance		Voltage +10 to –15%, Frequency +5 to –5%					
Protection type		IP20					
Cooling system		Self-cooling	Self-cooling	Fan	Self-cooling	Fan	Fan
Carrier frequency		0.75 to 15kHz					
Ambient temperature range		–10°C to +50°C (without performance reduction)					
Standards		UL / cUL / Low voltage directive, EMC directive, TÜV					

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