

# ADV200-E54

## ADV200 FIELD-ORIENTED VECTOR INVERTER IN IP54 FORMAT



### A HIGH-PERFORMANCE STAND-ALONE SYSTEM

The **ADV200-E54** is engineered to facilitate the installation of systems that require a sturdy casing.

It is the ideal solution for decentralized designs.

Thanks to the addition of HW options and dedicated accessories, the ADV200-E54 satisfies all application needs.

### MAIN APPLICATIONS

For all industrial automation needs, HVAC, water treatment requiring protection from dust and water splashes:

- marble working,
- pumping stations,
- compressors.



#### Voltage range

- 3 x 380...500 VAC, 50/60Hz

#### Power range

- 7.5 ... 90kW

#### Version ADV200

- For industrial applications

#### Version ADV200 WA

- For HVAC and water treatment applications

#### Version ADV200 SP

- For solar pump applications

### ADVANTAGES

Standard integrated functions make this version the ideal choice for stand-alone inverter systems:

- Integrated EMC filter and inductance
- Rapid access for setting and commissioning
- Highly flexible with addition of accessories such as fieldbus and I/O cards
- Sturdy metal casing
- 3 mechanical sizes for the power range: 7.5 ... 90 kW

SPECIFICATIONS

	ADV200	ADV200 WA - ADV200 SP
Control algorithm	Field Oriented Control	
Motor type	Asynchronous / Synchronous	Asynchronous
Analog inputs	2 two-pole (Voltage/Current)	
Analog outputs	2 two-pole (1 voltage or current, 1 voltage)	
Digital inputs	6 (PNP / NPN)	
Digital outputs	4 (PNP / NPN) , (2 static and 2 relay)	
Overload	Heavy: Async. = 150% * In (1' every 5'), 180% * In (for 0,5''); Sync.=160% * In (1' every 5'), 200% * In (for 3'') Light: Async. and Sync.=110% * In (1' every 5')	Light: 110% * In (1' every 5') Heavy: 150% * In (1' every 5'); 180% * In (0,5" every 5')
Serial communication	Standard: RS485 with Modbus RTU. Optional: DeviceNet, Profibus DP, CANopen®, GDNet, Ethercat, Ethernet IP	
EMI filter and Choke	Integrated	
Programming keypad	Standard Integrated; on request external keypad.	
Integrated PLC	Motion Drive Programmable Logic Controller, standard IEC61131-3 , 5 languages)	
Working temperature	-10...+40°C (32°...104°F)	
Markings	CE	

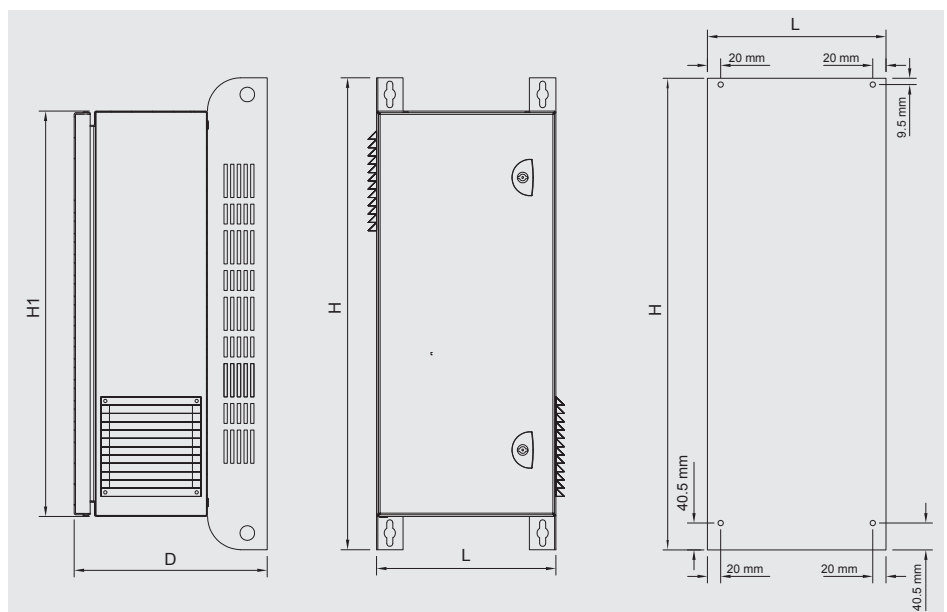


Access to wiring  
Power supply, motor power, I/O, and communication cables.

MODELS

Sizes	ADV200		ADV200 WA - ADV200 SP	
	MODELS	Power of asynchronous motor in heavy duty	MODELS	Power of asynchronous motor in light duty
3	ADV2075-...-4-E54	7.5 kW	ADV200-..-2110-...-4-E54	11 kW
3	ADV2110-...-4-E54	11 kW	ADV200-..-2150-...-4-E54	15 kW
3	ADV3150-...-4-E54	15 kW	ADV200-..-3185-...-4-E54	22 kW
3	ADV3220-...-4-E54	22 kW	ADV200-..-3300-...-4-E54	30 kW
4	ADV4300-...-4-E54	30 kW	ADV200-..-4370-...-4-E54	37 kW
4	ADV4370-...-4-E54	37 kW	ADV200-..-4450-...-4-E54	45 kW
4	ADV4450-...-4-E54	45 kW	ADV200-..-4550-...-4-E54	55 kW
5	ADV5550-...-4-E54	55 kW	ADV200-..-5750-...-4-E54	75 kW
5	ADV5750-...-4-E54	75 kW	ADV200-..-5900-...-4-E54	90 kW
5	ADV5900-...-4-E54	90 kW	ADV200-..-51100-...-4-E54	110 kW

DIMENSIONS



	L Width mm [inches]	H Height mm [inches]	P Depth mm [inches]	H1 mm [inches]	Weights MAX (kg)
Size 3	370 [14.6]	830 [32.7]	290 [11.4]	730 [28.7]	-
Size 4	370 [14.6]	1020 [40.1]	290 [11.4]	920 [32.2]	-
Size 5	410 [16.1]	1080 [42.5]	290 [11.4]	1180 [46.5]	-



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