

Altivar 61 Plus / 71 Plus

>>Simplified Version<<

The Altivar 61 Plus / 71 Plus "Simplified Version" - the perfect solution for IP54 drive protection. Cost optimization and short delivery time, all in one cubicle drive system.



General technical data

- Mains supply voltage: 3 AC 400 V $\pm 10\%$
- Mains frequency: 50 / 60 Hz $\pm 5\%$
- Power range: 90 ... 630 kW
- Protection degree: IP54 – separate airflow
- Coolant temperature: 0 ... +40 °C

Power part

- Mains connection directly on circuit breaker
- Circuit breaker with magnetic protection
- DC choke for reducing of harmonics
- Built-in frequency inverter ATV 61 or ATV 71
- Terminals / copper bars for motor connection

Enclosure performance

- Standard cubicle SAREL Spacial 6000
- Standard colour for cubicle: RAL 7032
plinth: RAL 7022
- Protection degree IP54 with separate airflow

Local control and indication

- Graphic display terminal with protection cover, mounted into the cubicle door.

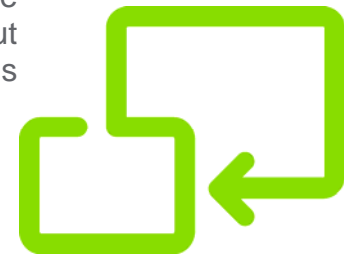


Typical applications

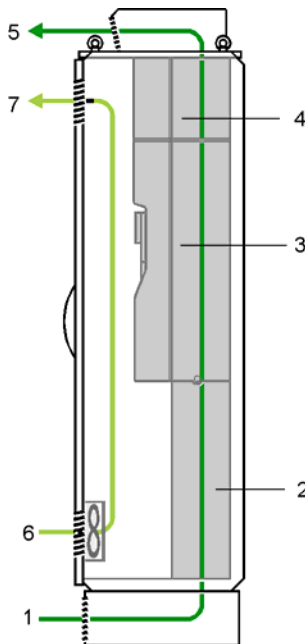
Pumps / fans
Compressor
Mixer
Screw feeder

Cooling concept

This construction guarantees a well elaborated cooling concept, while using separate air channels. The cooling air inlet for the power part as through the plinths and the exhaust air is blown out via the metal cover with splash water protection. The control part is cooled by filter fans in the enclosure door.



Robust against environmental influences



Cooling of the power unit

- ① Air inlet through a grille in the plinth
- ② Air channel
- ③ Heatsink of the inverter
- ④ DC-choke
- ⑤ Air outlet through a metal cover with splash water protection

Cooling of the control unit

- ⑥ Air inlet grid (with filter fan)
- ⑦ Air outlet grid (with filter pad)

Drive references	Type	Current [A]	Dimensions (incl. plinth) W x H x D [mm]
Altivar 61 Plus			
ATV61ES5D90N4	400V / 90kW	179	616 x 2359 x 616
ATV61ES5C11N4	400V / 110kW	215	616 x 2359 x 616
ATV61ES5C13N4	400V / 132kW	259	616 x 2359 x 616
ATV61ES5C16N4	400V / 160kW	314	616 x 2359 x 616
ATV61ES5C22N4	400V / 220kW	427	616 x 2359 x 616
ATV61ES5C25N4	400V / 250kW	481	816 x 2359 x 616
ATV61ES5C31N4	400V / 315kW	616	816 x 2359 x 616
ATV61ES5C40N4	400V / 400kW	759	1016 x 2359 x 616
ATV61ES5C50N4	400V / 500kW	941	1016 x 2359 x 616
ATV61ES5C63N4	400V / 630kW	1188	1216 x 2359 x 616
Altivar 71 Plus			
ATV71ES5D90N4	400V / 90kW	179	616 x 2359 x 616
ATV71ES5C11N4	400V / 110kW	215	616 x 2359 x 616
ATV71ES5C13N4	400V / 132kW	259	616 x 2359 x 616
ATV71ES5C16N4	400V / 160kW	314	616 x 2359 x 616
ATV71ES5C20N4	400V / 200kW	387	816 x 2359 x 616
ATV71ES5C25N4	400V / 250kW	481	816 x 2359 x 616
ATV71ES5C28N4	400V / 280kW	550	816 x 2359 x 616
ATV71ES5C31N4	400V / 315kW	616	1016 x 2359 x 616
ATV71ES5C40N4	400V / 400kW	759	1016 x 2359 x 616
ATV71ES5C50N4	400V / 500kW	941	1216 x 2359 x 616