



Main

Range of product	Altivar
Product or component type	Power module
Device short name	ATVR
Device application	Energy regeneration

Complementary

Range compatibility	Altivar Machine ATV320 Altivar Process ATV900 Altivar Machine ATV340
Fixing mode	By screws
[Us] rated supply voltage	380...500 V (- 15...10 %)
Network number of phases	3 phases
Network frequency	45...65 Hz
Rated power in W	6.8 kW
[Ue] rated operational voltage	456...778 V DC
Maximum DC bus voltage	300...880 V DC
Input power	10.2 kW at 380...500 V DC for DC bus (transient for 60 s) 6.8 kW at 380...500 V DC for DC bus (continuous)
Input current	16.5 A at 380 V DC for DC bus (continuous) 22.9 A at 380 V DC for DC bus (transient for 60 s) 14.5 A at 500 V DC for DC bus (continuous) 19.1 A at 500 V DC for DC bus (transient for 60 s)
Output current	13.4 A at 380 V AC (continuous) 11.9 A at 500 V AC (continuous) 18.4 A at 380 V AC (transient for 60 s) 15.4 A at 500 V AC (transient for 60 s)
Electrical connection	Control : removable screw terminal block : 0.5...1.5 mm ² , AWG 20...AWG 16 (bottom) Power supply : removable screw terminal block : 2.5...4 mm ² , AWG 12...AWG 10 (top) DC bus : removable screw terminal block : 2.5...4 mm ² , AWG 12...AWG 10 (bottom)
Voltage drop at rated load	3 %
Operating position	Vertical or horizontal position

Height	337 mm
Width	80 mm
Depth	175 mm
Product weight	6 kg
Type of cooling	Fan

Environment

Environmental characteristic	Chemical pollution resistance class 3C3 conforming to EN/IEC 60721-3-3 Dust pollution resistance class 3S2 conforming to EN/IEC 60721-3-3
Ambient air temperature for operation	-10...50 °C without derating 50...60 °C with derating factor
Ambient air temperature for storage	-40...70 °C
Operating altitude	1000...3000 m with power derating 1 % per 100 m <= 1000 m without derating
Pollution degree	2 conforming to EN/IEC 61800-5-1
IP degree of protection	IP20
Standards	IEC 61800-3 IEC 61800-5-1

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1637 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available  Product environmental
Product end of life instructions	Available  End of life manual