

ATV650D55N4

Schneider Electric ATV650D55N4 - Altivar Process ATV600/ATV650 Variable Speed Drive

BRAND	ORDER CODE / PRODUCT REFERENCE
Schneider Electric	ATV650D55N4
PRODUCT FAMILY	CATEGORY
Altivar Process ATV600	VFD
SUPPLY BASIS	RECORD IDENTITY
RFQ / on request - no stock claim	Catalog identity matched

PRODUCT DESCRIPTION

This Altivar Process ATV600 variable speed drive can feed 3-phase synchronous and asynchronous power motors. It features 3 built-in RJ45 communication ports as standard, 1 Ethernet port, 2 serial ports. It works at a rated supply voltage from 380V to 480V AC. This drive provides up to 30% energy saving when on standby due to the innovative ??Stop and Go??operation without additional costs. It is suitable for motors with power rating up to 55kW / 75hp for applications requiring slight overload (up to 120%). It is suitable for motors with power rating up to 45kW / 60hp for applications requiring significant overload (up to 150%). It weighs 87kg and its dimensions are, 345mm wide, 1250mm high, 375mm deep. This drive is focused on fluids management processing and energy saving, it offers extensive flexibility in water and wastewater, mining, minerals and metals, oil and gas and food and beverage applications. Accessories (fan kit, graphic display terminal) and options (I/O expansion modules, communication modules, EMC input filters) are available with Altivar Process ATV600 drives, depending on the drive rating. It is designed to be mounted in vertical position (+/- 10 °) on a wall. This new concept of drives meets the major needs of process and utilities in terms of equipment efficiency and total cost of ownership by supporting the energy management, asset management and also the overall performance of the process. Schneider Electric ATV650D55N4 is the exact manufacturer referen

RECORDED SPECIFICATIONS

IP Rating	IP55
EMC Filter	Integrated with 150 m conforming to IEC 61800-3 category C3
Cooling Type	Forced convection
Safety Function	STO (safe torque off) SIL 3
Number of Phases	3
Output Frequency	0.1?500 Hz
Supply Frequency	50...60 Hz
Prospective Line Isc	50 kA
Rated Supply Voltage	380...480 V
Manufacturer part number	ATV650D55N4

ADDITIONAL SPECIFICATIONS

Motor Power (heavy duty)	45.0 kW
Motor Power (normal duty)	55.0 kW
Nominal Switching Frequency	2.5 kHz
Line Current (heavy duty, 380V)	67.1 A
Line Current (heavy duty, 480V)	59 A
Line Current (normal duty, 380V)	97.2 A
Line Current (normal duty, 480V)	69.1 A
Apparent Power (heavy duty, 480V)	49.1 kVA
Apparent Power (normal duty, 480V)	70 kVA
Continuous Output Current (heavy duty)	72 A at 4 kHz
Continuous Output Current (normal duty)	106 A at 2.5 kHz

MANUFACTURER DOCUMENTATION

No manufacturer document is linked because exact-SKU or compatible-family evidence has not been recorded.

Document status: This is an InduMarket product specification summary, not a manufacturer-issued datasheet. It is generated from the catalog record for the exact part number. Any linked manufacturer document passed the SKU-compatibility evidence gate. Confirm ratings, compatibility, certifications and any successor reference before ordering.