

VSD3/A-RFT



Electronic variable speed drives for AC motors

Characteristics:

- Variable speed converters via voltage and frequency, for axial and centrifugal fans with asynchronous three-phase motors
- Converter power supply:
 - Single-phase (VSD1/A-RFM): 200-240 V 50/60 Hz
 - Three-phase (VSD3/A-RFT): 380-480V 50/60 Hz
- Based on EU EM Compatibility Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and Machinery Safety Directive 2006/42/EU.

- Pursuant to:

- UNE EN 61800-3: Adjustable speed electrical power drive systems. EMC-related product standard including specific test methods.
- UNE EN 61800-5-1: Adjustable speed electrical power drive systems. Safety requirements. Electrical, thermal and power.
- UNE EN 60204-1: Machinery safety. Electrical equipment of machines. General requirements.
- UNE EN 55011: Limits and methods for the measurement of characteristics relating to radioelectric perturbations of industrial, scientific and medical equipment (ISM) that generates radiofrequency energy.
- IEC 60529: Specification for degrees of protection in enclosures.

- Stop/start input for disabling/enabling converter.

- 0-10 V input for speed control.

- ModBus RTU bus connection available.

- Standard model with IP20 protection. Also available in IP66 version up to 10 HP. For powers higher than 15 HP only available with IP55 protection.

VSD1/A-RFM

Model		VSD1/A-RFM-0,5	VSD1/A-RFM-1	VSD1/A-RFM-2	VSD1/A-RFM-3
Power	(HP)	0.50	1.00	2.00	3.00
Power	(kW)	0.37	0.75	1.50	2.20
Maximum Current	(A)	2.3	4.3	7.0	10.5
Input					
Input type		Single-phase	Single-phase	Single-phase	Single-phase
Voltage	(V)	200-240 V	200-240 V	200-240 V	200-240 V
Frequency	(Hz)	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Output					
Output type		Three-phase	Three-phase	Three-phase	Three-phase
Voltage	(V)	200-240 V	200-240 V	200-240 V	200-240 V
Frequency	(Hz)	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz
Degrees of protection		Standard: IP20. On request: IP66.			
Cooling		IP20: Forced. IP66: Natural			

VSD3/A-RFT

Model		VSD3/A-RFT-1	VSD3/A-RFT-2	VSD3/A-RFT-3	VSD3/A-RFT-5.5	VSD3/A-RFT-7.5	VSD3/A-RFT-10	VSD3/A-RFT-15	VSD3/A-RFT-20	VSD3/A-RFT-25	VSD3/A-RFT-30
Power	(HP)	1.00	2.00	3.00	5.50	7.50	10.00	15.00	20.00	25.00	30.00
Power	(kW)	0.75	1.50	2.20	4.00	5.50	7.50	11.00	15.00	18.50	22.00
Maximum Current(A)		2.2	4.1	5.8	9.5	14.0	18.0	24.0	30.0	39.0	46.0
Input											
Input type		Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase
Voltage	(V)	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V
Frequency	(Hz)	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Output											
Output type		Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase
Voltage	(V)	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V	380-480 V
Frequency	(Hz)	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz	0-500 Hz
Degrees of protection		Standard: IP20. On request: IP66						IP20	IP20	IP20	IP20
Cooling		IP20 and IP55: Forced. IP66: Natural									