

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.

Model				VSD	1/A-RFM-0,5	V	SD1/A-RFM-1	VSI	D1/A-RFM-2	VSD1/A	A-RFM-3
Power		(HP)			0.50		1.00		2.00		3.00
Power		(kW)			0.37		0.75		1.50		2.20
Maximum Curr	ent	(A)			2.3		4.3		7.0		10.5
Input											
Input type					Single-phase		Single-phase	:	Single-phase	Sing	le-phase
Voltage		(V)			200-240 V		200-240 V		200-240 V	20	00-240 V
Frequency		(Hz)			50-60 Hz		50-60 Hz		50-60 Hz		50-60 Hz
Output											
Output type					Three-phase		Three-phase		Three-phase	Thre	ee-phase
Voltage		(V)			200-240 V		200-240 V		200-240 V	20	00-240 V
Frequency		(Hz)			0-500 Hz		0-500 Hz		0-500 Hz	(0-500 Hz
Degrees of pro	otectio	n	Stan	dard: IP20. On	request: IP66.						
Cooling						IP20: Forced	d. IP66: Natural				
VSD3/A-RFT											
VSD3/A-RFT		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
	(HP)	VSD3/A-RFT-1 1.00	VSD3/A-RFT-2 2.00	VSD3/A-RFT-3 3.00	VSD3/A-RFT-5.5 5.50	VSD3/A-RFT-7.5 7.50	VSD3/A-RFT-10 10.00	VSD3/A-RFT-15 15.00	VSD3/A-RFT-20 20.00	VSD3/A-RFT-25 25.00	VSD3/A-RFT-30 30.00
Model Power											30.00
Model Power Power	(HP) (kW)	1.00	2.00	3.00	5.50	7.50	10.00	15.00	20.00	25.00	30.00 22.00
Model Power Power Maximum Cum	(HP) (kW)	1.00 0.75	2.00 1.50	3.00 2.20	5.50 4.00	7.50 5.50	10.00 7.50	15.00 11.00	20.00 15.00	25.00 18.50	30.00 22.00
Model Power Power Maximum Cum	(HP) (kW) rent(A)	1.00 0.75 2.2	2.00 1.50	3.00 2.20	5.50 4.00	7.50 5.50	10.00 7.50	15.00 11.00	20.00 15.00	25.00 18.50	
Model	(HP) (kW) rent(A)	1.00 0.75 2.2	2.00 1.50 4.1	3.00 2.20 5.8	5.50 4.00 9.5	7.50 5.50 14.0	10.00 7.50 18.0	15.00 11.00 24.0	20.00 15.00 30.0	25.00 18.50 39.0	30.00 22.00 46.0
Model Power Power Maximum Curre Input Input type	(HP) (kW) rent(A)	1.00 0.75 2.2 Three-phase	2.00 1.50 4.1 Three-phase	3.00 2.20 5.8 Three-phase	5.50 4.00 9.5 Three-phase	7.50 5.50 14.0 Three-phase	10.00 7.50 18.0 Three-phase	15.00 11.00 24.0 Three-phase	20.00 15.00 30.0 Three-phase	25.00 18.50 39.0 Three-phase	30.00 22.00 46.0 Three-phase 380-480 V
Model Power Power Maximum Curr Input Input type Voltage	(HP) (kW) rent(A)	1.00 0.75 2.2 Three-phase 380-480 V	2.00 1.50 4.1 Three-phase 380-480 V	3.00 2.20 5.8 Three-phase 380-480 V	5.50 4.00 9.5 Three-phase 380-480 V	7.50 5.50 14.0 Three-phase 380-480 V	10.00 7.50 18.0 Three-phase 380-480 V	15.00 11.00 24.0 Three-phase 380-480 V	20.00 15.00 30.0 Three-phase 380-480 V	25.00 18.50 39.0 Three-phase 380-480 V	30.00 22.00 46.0 Three-phase
Model Power Power Maximum Curr Input Input type Voltage Frequency	(HP) (kW) eent(A) (V) (Hz)	1.00 0.75 2.2 Three-phase 380-480 V 50-60 Hz	2.00 1.50 4.1 Three-phase 380-480 V	3.00 2.20 5.8 Three-phase 380-480 V	5.50 4.00 9.5 Three-phase 380-480 V	7.50 5.50 14.0 Three-phase 380-480 V	10.00 7.50 18.0 Three-phase 380-480 V	15.00 11.00 24.0 Three-phase 380-480 V	20.00 15.00 30.0 Three-phase 380-480 V	25.00 18.50 39.0 Three-phase 380-480 V	30.00 22.00 46.0 Three-phase 380-480 V
Model Power Power Maximum Curr Input Input type Voltage Frequency Output Output type	(HP) (kW) eent(A) (V) (Hz)	1.00 0.75 2.2 Three-phase 380-480 V 50-60 Hz	2.00 1.50 4.1 Three-phase 380-480 V 50-60 Hz	3.00 2.20 5.8 Three-phase 380-480 V 50-60 Hz	5.50 4.00 9.5 Three-phase 380-480 V 50-60 Hz	7.50 5.50 14.0 Three-phase 380-480 V 50-60 Hz	10.00 7.50 18.0 Three-phase 380-480 V 50-60 Hz	15.00 11.00 24.0 Three-phase 380-480 V 50-60 Hz	20.00 15.00 30.0 Three-phase 380-480 V 50-60 Hz	25.00 18.50 39.0 Three-phase 380-480 V 50-60 Hz	30.00 22.00 46.0 Three-phase 380-480 V 50-60 Hz
Model Power Power Maximum Curr Input Input type Voltage Frequency Output Output type Voltage	(HP) (kW) rent(A) (V) (Hz)	1.00 0.75 2.2 Three-phase 380-480 V 50-60 Hz	2.00 1.50 4.1 Three-phase 380-480 V 50-60 Hz	3.00 2.20 5.8 Three-phase 380-480 V 50-60 Hz Three-phase	5.50 4.00 9.5 Three-phase 380-480 V 50-60 Hz Three-phase	7.50 5.50 14.0 Three-phase 380-480 V 50-60 Hz	10.00 7.50 18.0 Three-phase 380-480 V 50-60 Hz	15.00 11.00 24.0 Three-phase 380-480 V 50-60 Hz	20.00 15.00 30.0 Three-phase 380-480 V 50-60 Hz	25.00 18.50 39.0 Three-phase 380-480 V 50-60 Hz	30.00 22.00 46.0 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V
Model Power Power Maximum Curr Input Input type Voltage Frequency Output	(HP) (kW) rent(A) (V) (Hz)	1.00 0.75 2.2 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V 0-500 Hz	2.00 1.50 4.1 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V 0-500 Hz	3.00 2.20 5.8 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V 0-500 Hz	5.50 4.00 9.5 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V	7.50 5.50 14.0 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V 0-500 Hz	10.00 7.50 18.0 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V	15.00 11.00 24.0 24.0 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V	20.00 15.00 30.0 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V	25.00 18.50 39.0 Three-phase 380-480 V 50-60 Hz Three-phase 380-480 V	30.00 22.00 46.0 Three-phase 380-480 V 50-60 Hz

