DANFOSS VLT SINE-WAVE FILTER MCC 101



Wall mounted Sine-Wave filter



Floor mounted Sine-Wave filter

DESCRIPTION

The VLT Sine-Wave Filter MCC 101 is differential-mode low-pass filter that suppresses the switching frequency component from a variable speed drive. It smooths the phase-to-phase output voltage to become sinusoidal and helps reduce the motor insulation stress and bearing currents.

Typical Applications

Used in combination with variable speed drives where motor protection is required. It is particularly used for older motors or external rotor motors, long motor cables are required and reduce switching frequency
acoustic noise.

Features

- Compatible with all control principles including flux and VVC+
- Parallel filter installation is possible for applications in the high power range
- Supplies the motor with a sinusoidal voltage waveform
- Helps eliminate switching acoustic noise from the motor
- Eliminates over-voltages and voltage spikes caused by cable reflections
- Reduces high frequent losses in motor
- The wall mounted Sine-Wave Filter has a IP20 class protection enclosure
- The floor mounted Sine-Wave Filter has a IP21 class protection enclosure

Electrical Supply

200-500V, three-phase, 50/60Hz

TECHNICAL DATA

Part Number	Input / Output	Motor kW	Amps @ 40°C	Class Protection	Mount Type	Dimensions, mm	Weight, kg
SIN-130B2439	3 phase / 3 phase	0.37 - 0.75	2.5	IP20	Wall	75W x 181H x 205D	3.3
SIN-130B2441		1.1 - 1.5	4.5				4.2
SIN-130B2443		2.2 - 3.0	8.0			90W x 246H x 205D	5.8
SIN-130B2444		4	10.0				7.1
SIN-130B2446		5.5 - 7.5	17			130W x 246H x 205D	9.1
SIN-130B2447		11	24			150W x 260H x 260D	16.9
SIN-130B2448		15 - 18.5	38			150W x 380H x 260D	19.9
SIN-130B2307		22	48			170W x 460H x 260D	39
SIN-130B2308		30	62			170W x 540H x 260D	41
SIN-130B2309		37	75				54
SIN-130B3181		45 - 55	115	IP23	Floor	904W x 918H x 792D	205
SIN-130B3183		75 -90	180				237
SIN-130B3185		110 -132	260				307
SIN-130B3187		160 -200	410				370
SIN-130B3189		250	480			1260W x 1161H x 991D	425

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