



Selection Guide of Braking Resistor for V5-H Variable Speed Drives (Frequency Inverters, VSD, VFD, AC drives, VVVF)

Selection Guide of Brake Resistor

Inverter model	Braking unit	Braking resistor unit				Braking torque%
		Power	Resistor	Minimum limit resistor	Qty.	
V5-H-2T0.4G	Built-in as standard	70W	200Ω	200Ω	1	220
V5-H-2T0.75G		70W	200Ω	200Ω	1	125
V5-H-2T1.5G		260W	100Ω	100Ω	1	125
V5-H-2T2.2G		260W	100Ω	100Ω	1	120
V5-H-4T0.75G/1.5L		110W	750Ω	125Ω	1	130
V5-H-4T1.5G/2.2L		260W	400Ω	100Ω	1	125
V5-H-4T2.2G/3.7L		320W	250Ω	100Ω	1	135
V5-H-4T3.7G/5.5L		550W	150Ω	66.7Ω	1	135
V5-H-4T5.5G/7.5L		800W	100Ω	66.7Ω	1	135
V5-H-4T7.5G/11L		1070W	75Ω	66.7Ω	1	130
V5-H-4T11G/15L		1600W	50Ω	25Ω	1	135
V5-H-4T15G/18.5L		2000W	40Ω	25Ω	1	125
V5-H-4T18.5G/22L		Built-in as option	4800W	32Ω	20Ω	1
V5-H-4T22G/30L	4800W		27.2Ω	20Ω	1	125
V5-H-4T30G/37L	6000W		20Ω	14Ω	1	125
V5-H-4T37G/45L	9600W		16Ω	14Ω	1	125
V5-H-4T45G/55L	9600W		13.6Ω	10Ω	1	125
V5-H-4T55G/75L	6000W		20Ω	7Ω	2	135
V5-H-4T75G/90L	9600W		13.6Ω	5Ω	2	145

Remark: Some explanation of the model number:

V5-H-2T means 220V, three phase input and output.

V5-H-4T means 380V~480V, three phase input and output.

G is for heavy duty/constant torque, for example 0.75G means 0.75KW, 55G means 55KW.

L is for light duty/variable torque, for example, 75L means 75KW under light duty.

For large power, please contact us for selection guide of brake resistor.

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Simple introduction of company:

V&T Technologies Co., Ltd. is manufacturing [variable speed drive \(frequency inverter\), servo drive, motor soft starter, inverter, and other power electronics.](#)

The variable speed drives (frequency inverters) are used for [motor control, motion control, energy saving and process control: plastic injection moulding machine, machine tools, air compressor, constant pressure water supply, civil engineering, conveyor belt, sewage disposal \(wastewater treatment\), extruder \(extrusion machine\), fan and pump, HVAC, food and beverage industry, oil, mining industry, sugar industry, industrial washing machine, etc.](#)

[As the leading and professional factory with optimum drives, we are competing with ABB, Siemens, Danfoss in the world.](#)

From 200VAC to 1140VAC, power is from 0.4KW to more than 3MW (0.5hp to more than 4000hp).