



Selection Guide of Braking Resistor for E5-H PID control & vector control Variable Speed Drives (Frequency Inverters)

Selection Guide of Brake Resistor

Frequency Inverter model	Braking unit	Braking resistor unit				Braking torque%
		Power	Resistor	Minimum limit resistor	Qty.	
E5-H-4T0.75G	Built-in as standard	110W	750Ω	125Ω	1	130
E5-H-4T1.5G		260W	400Ω	100Ω	1	125
E5-H-4T2.2G		320W	250Ω	100Ω	1	135
E5-H-4T3.7G		550W	150Ω	66.7Ω	1	135
E5-H-4T5.5G		800W	100Ω	66.7Ω	1	135
E5-H-4T7.5G		1070W	75Ω	66.7Ω	1	130
E5-H-4T11G		1600W	50Ω	25Ω	1	135
E5-H-4T15G		2000W	40Ω	25Ω	1	125

Remark: Some explanation of the model number:

E5-H-4T means 380V~480V, three phase input and output.

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

For large power, please contact us for selection guide. Or refer to this document: [selection guide of braking resistor for V5-H variable speed drives \(frequency inverters\)](#)

Applications of E5-H inverters (drives):

conveyor belt, [sewage disposal \(water water treatment\) in municipal engineering](#), [water supply in civil engineering](#), water boosting for high rise buildings, [cooling water circulation pumps](#), fire fighting system, air compressor, [extruder machines](#), [plastic extrusion machinery](#), fan and pump, blower, [exhaust fan](#), [ventilator](#), sprinkler and irrigation system, plastic injection molding machine, [central air conditioning](#), sugar industry ([separation of sugar](#), [retrofitting of sugar crushing machine](#)), food and beverage industry, [mine exhaust fan](#), [induced draft \(ID\) fan](#), [dusting fan in iron and steel works](#), metals industry, mining industry, paper and forest products industry, petroleum and chemical industry, wood processing, [HVAC \(heating, ventilating and air conditioning\)](#), etc.

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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, Danfoss in the world.](#)

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