

## BRAKING RESISTOR ASSEMBLIES TYPE HPBA SERIES

TE Connectivity (TE)'s Braking resistor assemblies' type HPBA series is designed to increase the braking torque capability of a variable frequency drive. This produces faster and more controlled braking for the drive and increases the braking torque of the drive system. Each braking assembly is created using heavy gauge galvanized steel with a wired terminal block and provisions for an optional thermostat. They are constructed for harsh environments, while maintaining a professional design with a wide range of enclosures available. These resistors are offered in several combinations HP, input voltage and duty cycle to make sure an option is available for braking drives.

### BENEFITS

- Produces faster, more controlled braking for drives
- Increases the braking torque of the drive system
- Available in 0.5 HP ~ 500 HP
- Options are 24 for enclosure
- 5 duty cycles and 3 drive input voltage designs
- 100% and 150% braking torque available

# Braking Resistor Assemblies Type HPBA Series

## APPLICATIONS

- Variable frequency drives
- Servo motors and drives
- Industrial
- Warehouse automation
- Robotics

## MECHANICAL

- **Thermostat:** Optional
- **Temperature:** 375°C max rated duty cycle





## MATERIALS

- **Enclosure material:** Galvanized steel std, stainless steel hardware std




## ELECTRICAL

- **Drive horsepower:** 0.5 HP to 500 HP; voltage dependent
- **Drive input voltage:** 230V, 460V, 575V
- **Duty cycle:** 5 duty cycles based on cycle time of one minute: 10%, 20%, 30%, 50%, 100%
- **Resistance tolerance:** 10%
- **Braking torque:** 100% and 150%
- **Peak braking current:** 0.5 amps to 800 amps

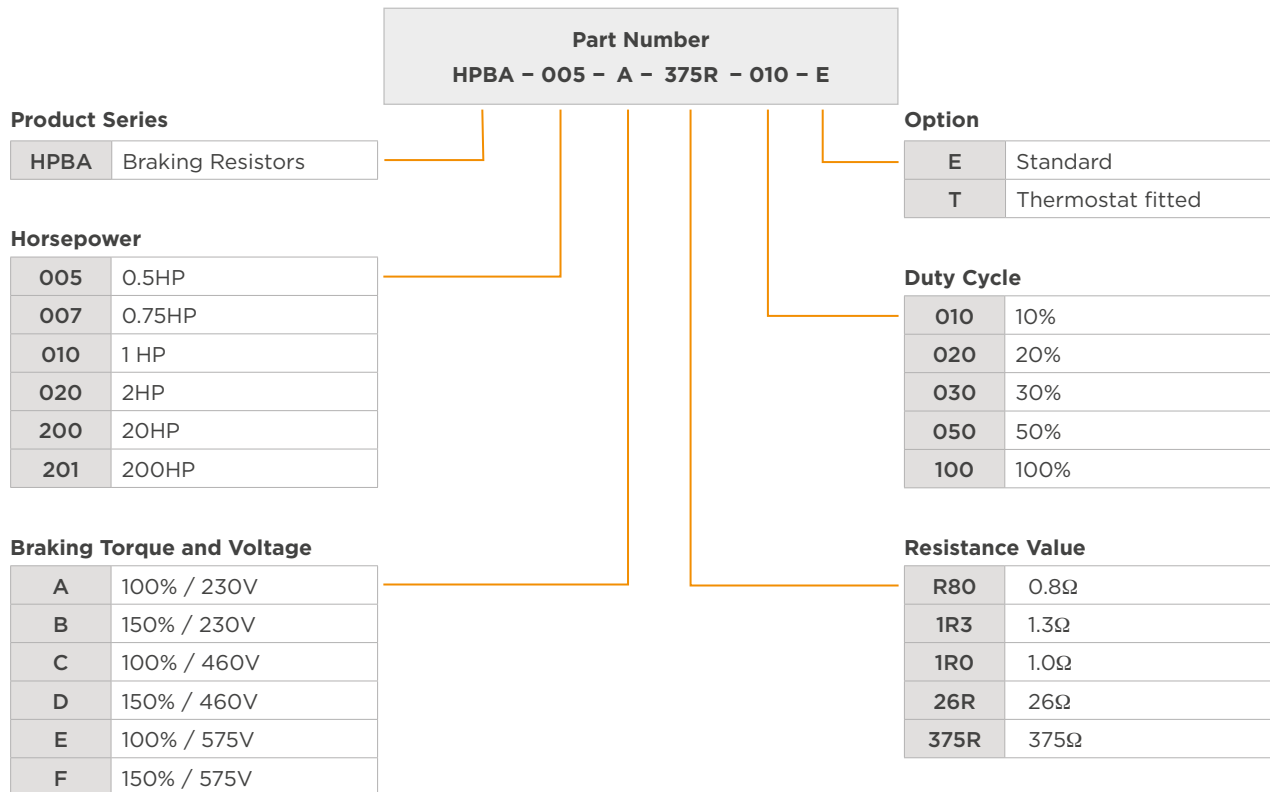
## PART NUMBER LIST

Image	Base Part Number	Smart Part Number	Image	Base Part Number	Smart Part Number
	<u>2176470</u>	HPBA005A375R050E		<u>2-2176470</u>	HPBA020B63R100E
		HPBA007A250R050E			HPBA005C1K5050E
		HPBA010A190R050E			HPBA007C1K0050E
		HPBA015A125R050E			HPBA010C750R050E
		HPBA020A95R050E			HPBA015C500R050E
		HPBA005A375R100E			HPBA020C375R050E
		HPBA007A250R100E			HPBA005C1K5100E
		HPBA010A190R100E			HPBA007C1K0100E
		HPBA015A125R100E			HPBA010C750R100E
	<u>1-2176470</u>	HPBA020A95R100E		<u>3-2176470</u>	HPBA020C375R100E
		HPBA005B250R050E			HPBA005D1K0050E
		HPBA007B170R050E			HPBA007D675R050E
		HPBA010B125R050E			HPBA010D500R050E
		HPBA015B85R050E			HPBA015D335R050E
		HPBA020B63R050E			HPBA020D250R050E
		HPBA005B250R100E			HPBA005D1K0100E
		HPBA007B170R100E			HPBA007D675R100E
		HPBA010B125R100E			HPBA010D500R100E
		HPBA015B85R100E			HPBA015D335R100E

# Braking Resistor Assemblies Type HPBA Series

Image	Base Part Number	Smart Part Number	Image	Base Part Number	Smart Part Number
	4-2176470	HPBA020D250R100E		5-2176470	HPBA020E575R100E
		HPBA005E2K0050E			HPBA005F1K5050E
		HPBA007E1K5050E			HPBA007F1K0050E
		HPBA010E1K2050E			HPBA010F800R050E
		HPBA015E800R050E			HPBA015F525R050E
		HPBA020E575R050E			HPBA020F400R050E
		HPBA005E2K0100E			HPBA005F1K5100E
		HPBA007E1K5100E			HPBA007F1K0100E
		HPBA010E1K2100E			HPBA010F800R100E
		HPBA015E800R100E			HPBA015F525R100E
	6-2176470-0	HPBA020F400R100E			HPBA020F400R100E

## ORDERING INFORMATION



## Braking Resistor Assemblies Type HPBA Series

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