

# **Commercial Duct Heat QUICK Selection Guide**

An SPX Technologies' Electric Heat Brand

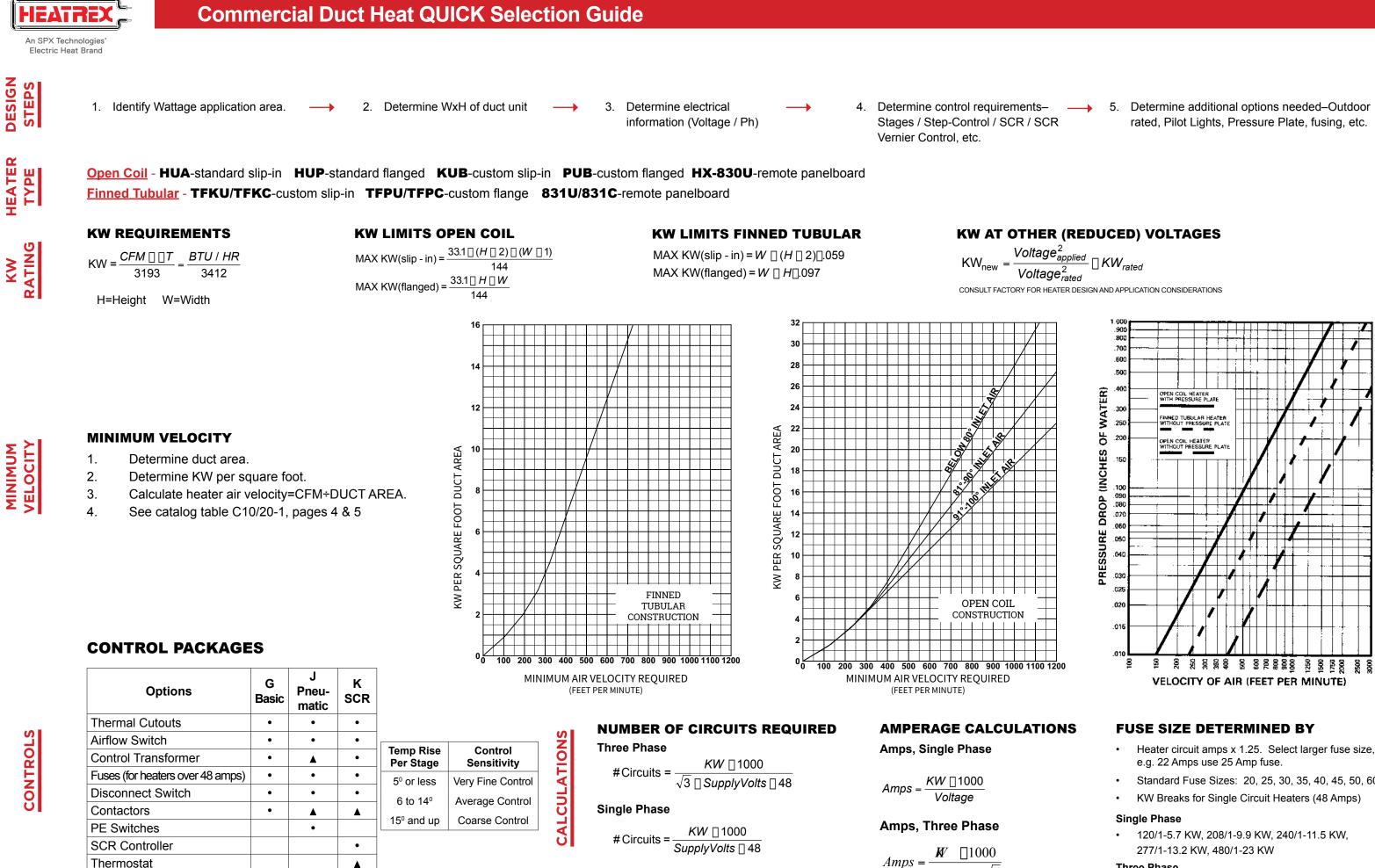




MODELS	HUA	HUP	TFKU/C / TFPU/C
Heat Engine	Open Coil		Finned Tubular
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Туре	Slip In	Flange	Slip In / Flange
Use Occasions	Standard, Typical Specifications, Economy Units, Quick Heat, Covering the Majority of the Market	Similar to QUA but with added rigidity and support for when airflow is turbulent and/or noise needs to be reduced	Ideal for systems requiring extra durability, resistance to moisture and corrosion, managing turbulent airlfow, and serviceability
Dimensions: MIN (WxH) (increments of 1/4")	5 1/4" x 4 1/4"	5" x 3"	4 1/2" x 4"
Dimensions: MAX (WxH) (increments of 1/4")	240" x 120"		175" x 120"
Max (kW)	600		600
Max Outlet Air Temperature	120°F		120°F
Max Inlet Air Temperature	100°F		80°F
Watt Density (kW/sq.ft.)	25		8.5 / 14
Max FPM	1200		No maximum
Electrical	1P&3P, 120V-600V, 50&60Hz		
Standard Control Packages	Basic G Pkg: Thermal Cutout, Airlfow Switch, Control Transformer, Fuses, Disconnect Switch, Contactors – reference table or additional packages		
Premium Packages	SCR, Step &/or Vernier options		
Agency	cULus, CSA		
Pressure Drops	Lowest due to open space of coil design		Higher due to reduced open space
Air Quality Tolerance	Requires clean air free of conductive particles or water spray.		Resilient to water droplets or conductive particles unless particles buildup
Durability to Use & Abuse	Most susceptible		Less susceptible due to design and materials
Airflow Uniformity	Must be uniformly distributed to prevent hotspots. Pressure plates can help even out airflow.		Most tolerant of nonuniform airflow. Hotspots tend to be dissipated.
	Min 4' from any change / obstruction. Elbows/Turns: min 4' from inlet and 2' from outlet of heater		
Controllability	Low thermal inertia results in quick response to step control; need controls to compensate for temperature fluctuations		High thermal inertia = slower response yet can produce m
Cost	More economical due to simplified design and construction		uniform temperatures with proper control package More expensive due to additional design and materials required
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more



*Voltage*  $\prod \sqrt{3}$ 

Thermostat Standard

A Provided as necessary

- Heater circuit amps x 1.25. Select larger fuse size,
- Standard Fuse Sizes: 20, 25, 30, 35, 40, 45, 50, 60

## Three Phase

208/3-17.2 KW. 240/3-19.9 KW. 480/3-39.9 KW