

High Efficiency Engine Heater

CVC



Hotstart's CVC High Efficiency Engine Heater uses proven air-source heat pump technology to provide the most efficient engine heating solution for standby generators across the world. CVC systems use significantly less energy to maintain water jacket temperatures than electric resistance based engine heaters.



HIGH EFFICIENCY HEATING

The CVC is a high efficiency engine heater capable of reducing generator heating costs by up to 40,000 kWh annually*. Hotstart's active heat recovery system pulls existing heat from the surrounding air and sends it through a vapor compression cycle, delivering heat to the coolant to maintain engine temperatures while idle. This process is more efficient than generating heat through electrical resistance.



PRECISE HEATING CONTROL

The variable speed compressor allows the CVC to provide the proper amount of heat needed based on ambient temperature – no overheating or underheating of the generator. The precision regulation of heat output results in lower annual energy costs associated with generator readiness while also reducing system carbon footprint, contributing to end-user's net-zero goals.

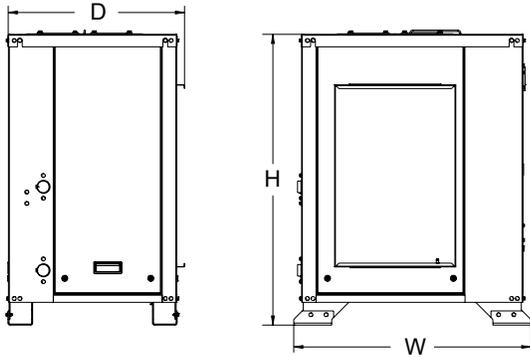


REDUNDANT RELIABILITY

Standby generators equipped with a CVC engine heater and a standard Hotstart engine heater will reliably start in lower ambient temperatures. The two systems work cooperatively, operating in tandem through fully integrated and programmed controls, providing heating at any temperature. Network connectivity allows operators to remotely monitor heater status, maintaining uptime and engine reliability.

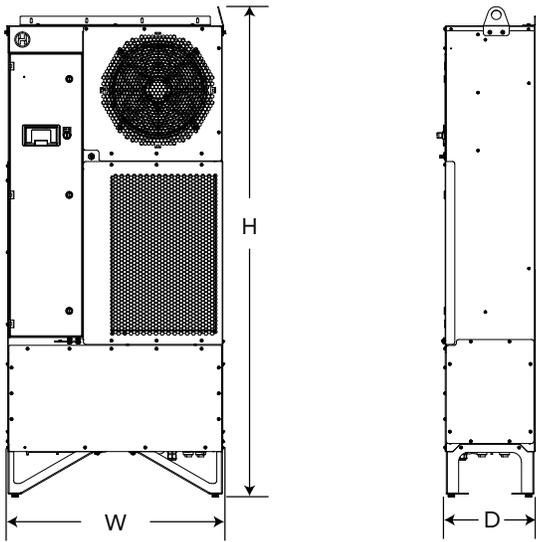
* Savings dependent on engine size and location.





Depth (D)	Width (W)	Height (H)	Weight
23.2"	31.2"	38.3"	230 lbs
590 mm	793 mm	973 mm	105 kg

Specifications	
Phase	single-phase (1 Ø)
Voltage (AC)	208 – 240V 50/60 Hz
Environment Rating	IP54
Certification	UL C/US Listed CE Listed
Refrigerant	HFC-32
Coolant Type	Water Coolant mix (50% water/50% glycol)
Circuit Ampacity	30
Total FLA.	up to 20A
Inlet/Outlet	1" NPT
Heat Capacity	up to 10.5 kW



Depth (D)	Width (W)	Height (H)	Weight
14.2"	33.76"	76.12"	210 lbs
361 mm	858 mm	1933 mm	95 kg

For assistance with your heating system application, contact Hotstart at heatpumps@hotstart.com.