

Isolation Systems Drake DI-1.25VHP-E Portable AC & Heat Unit

The DI-1.25VHP-E HVAC System offers all-in-one service for air conditioning, area cooling, dehumidifying, and portable heating needs. Completely self-contained and portable this heat pump provides 15,000 btu/h of cooling and 13,500 btu/h of heating. It has a supplemental 5,600 btu/h heat strip for effective heating when ambient temperature is below 40 degrees F. This unit is extremely durable and can perform at high levels under the worst conditions. This unit was successfully tested by the US Army at the Aberdeen Testing Grounds in Aberdeen MD. Over 1,000 of these units have been deployed to support US Army Special Forces down range in Iraq, Afghanistan, and Northern Africa where it has exceeded expectation in the most harsh and difficult environmental conditions.

Performance

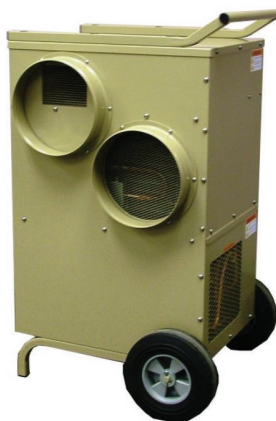
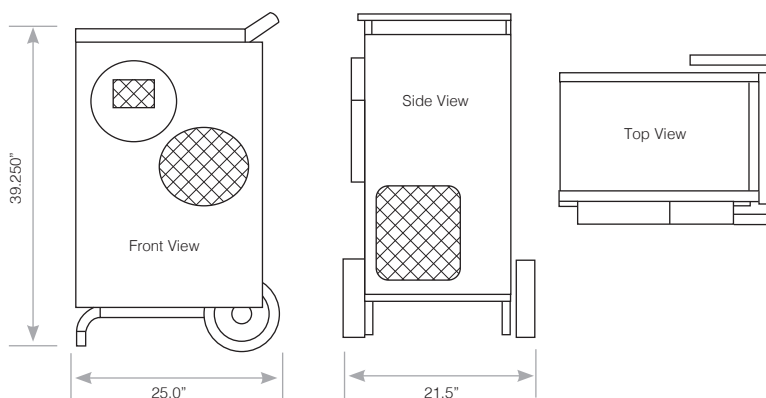
COOLING CAPACITY	15,000 BTU/HR
RETURN AIR COND DB	20 DEG F DROP
COND AIR SUPPLY	550CFM @ 0.1" WET COIL
HEATING CAPACITY	13,500 BTU/HR HEATPUMP
RESISTANCE HEATER	5600 BTU/H, 1.64KW (14.25A)
DEHUMIDIFYING	50% RH MAX
MAX OPERATING AMBIENT	125 DEG F ~ 52 DEG C
MIN OPERATING AMBIENT	- 40 DEG F ~ C
RATING AMBIENT	95 DEG F ~ 35 DEG C

Mechanical

REFRIGERATION STAGES	1 STAGE
HEATING STAGES	1 STAGE+ RESISTANCE
COMPRESSOR TYPE	SCROLL
REFRIGERANT TYPE	R410A
EVAP COIL MATERIAL	COPPER TUBE / ALUM FIN
COND COIL MATERIAL	COPPER TUBE / ALUM FIN
EXPANSION VALVE TYPE	BI-FLOW RESTRICTOR
CIRCULATING FAN	FORWARD CURVE
CONDENSER FAN TYPE	AXIAL
SUB BASE MATERIAL	GALVANIZED STEEL
CABINET FINISH	POWDER COAT
WEIGHT	191 LBS

Electrical

VOLTS/PHASE/HZ	115V/1PH/50-60HZ
MAX POWER COOLING	RLA 13.5 (1.55KW) LRA 63
MAX POWER HEATING	RLA 27.75 (3.19KW) LRA 63
MOTOR PROTECTION	SUPPLY BREAKER & INTERNAL CONTACTOR
COMPRESSOR PROTECTION	INTERNAL THERMAL & MOTOR CONTACTOR
COOLING CONTROLS	THERMOSTAT ~ RETURN AIR SENSING
HEATING CONTROLS	THERMOSTAT ~ RETURN AIR SENSING
MODE SELECTOR SWITCH HEATING	ON/OFF ~ AUTO TEMP ~ FAN ALWAYS ON
SAFETY SWITCHES	HI TEMP CUT OUT (BI METAL disc)



Includes:

- (1) Power Cord with Plug End of Choice
- (1) Controller with Case
- (2) 14" Ducts 10' in Length
- (2) 25' Power Cables



Ducts

DIAMETER	10"
SUPPLY DUCTS	1
RETURN DUCTS	1
EXTERNAL STATIC PRESSURE	1.0" MAX