ISOLATION SYSTEMS, INC
Portable Heating, Cooling and Air Filtration Products
877.694.1979

DI-2.0HHP PORTABLE AC & HEAT UNIT

PERFORMANCE

COOLING CAPACITY	24,000 BTU/HR
RETURN AIR COND DB	20 DEG F DROP
COND AIR SUPPLY	750CFM @ 0.1" WET COIL
HEATING CAPACITY	24,000 BTU/H HEATPUMP
RESISTANCE HEATER	17,732 BTU/H, 5.2KW (22.10A)
DEHUMIDIFYING	50% RH MAX
MAX OPERATING AMBIENT	125 DEG F ~ 52 DEG C
MIN OPERATING AMBIENT	- 20 DEG F ~ C
RATING AMBIENT	95 DEG F ~ 35 DEG C

MECHANICAL

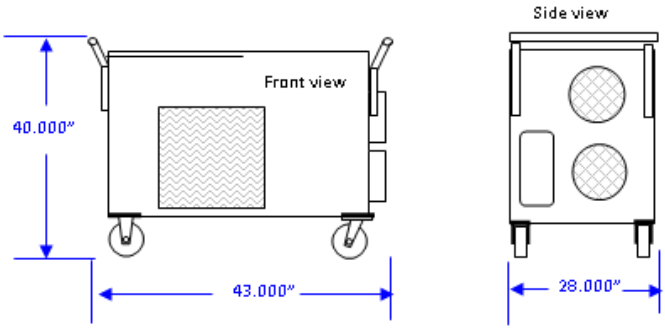
REFRIGERATION STAGES	1 STAGE
HEATING STAGES	1 STAGE (HP+ RESISTANCE)
COMPRESSOR TYPE	SCROLL
REFRIGERANT TYPE	R410A
EVAP COIL MATERIAL	COPPER TUBE / ALUM FIN
COND COIL MATERIAL	COPPER TUBE / ALUM FIN
EXPANSION VALVE TYPE	CAP TUBE SYSTEM
CIRCULATING FAN	FORWARD CURVE
CONDENSER FAN TYPE	AXIAL
SUB BASE MATERIAL	11 GUAGE STEEL
CABINET FINISH	POWDER COAT
WEIGHT	314 LBS

DUCTS

DIAMETER	12"
SUPPLY DUCTS	1
RETURN DUCTS	1
EXTERNAL STATIC PRESSURE	1.0" MAX

ELECTRICAL

VOLTS/PHASE/HZ	208-230V/1PH/50-60HZ
MAX POWER COOLING	RLA 11.1 (2.55KW) LRA 57
MAX POWER HEATING	RLA 33.2 (7.6KW) LRA 57
MOTOR PROTECTION	SUPPLY BREAKER & INTERNAL CONTACTOR
COMPRESSOR PROTECTION	INTERNAL THERMAL & MOTOR CONTACTOR
COOLING COLTROLS	THERMOSTAT ~ RETURN AIR SENSING
HEATING CONTROLS	THERMOSTAT ~ RETURN AIR SENSING
MODE SELECTOR SWITCH	ON/OFF ~ AUTO TEMP ~ FAN ALWAYS ON
HEATING SAFETY SWITCHES	HI TEMP CUT OUT (BI METAL disc)

DESCRIPTION

The DI-2.0HHP HVAC System offers all-in-one service for your air conditioning, dehumidifying and portable heating needs. Completely self-contained and portable this heat pump provides 24,000btu/h cooling and 24,000btu/h heating. It has supplemental Resistance Heat Strip (17,732btu/h) for effective heating when ambient temperature is below 40 degrees F. With "On-Board" storage for ducting, controller, controller cable and manual this unit is truly easy to deploy, store and transport. It has become a favorite of the Japanese Red Cross. Over 250 units have been deployed across Japan to heat/cool portable emergency shelters in case of natural disaster such as the Earth Quake and Tsunami of 2011.