

Portable Heating, Venting and Drying Solutions



DF400**

- ▶ Runs on #1, #2 diesel, kerosene, JP-8, or Jet A fuel
- ▶ Simple easy-to-use control panel built with tough flameproof plastic
- ▶ Safety features include: overheat limit switch, pressure switch and "flame out" sensor
- ▶ Double-layered combustion chamber provides quiet operation and low surface shell temperature
- ▶ Preheated fuel filter with fuel gauge
- ▶ Optional thermostat available with 50' cord
- ▶ Optional fuel kit provides extended run times

DF600**

- ▶ Runs on #1, #2 diesel, kerosene, JP-8, or Jet A fuel
- ▶ Simple easy-to-use control panel built with tough flameproof plastic
- ▶ Safety features include: overheat limit switch, pressure switch and "flame out" sensor
- ▶ Double-layered combustion chamber provides quiet operation and low surface shell temperature
- ▶ Preheated fuel filter with fuel gauge
- ▶ Optional thermostat available with 50' cord
- ▶ Optional fuel kit provides extended run times

S405

- ▶ CSA approved for unattended operation
- ▶ MEA approved for use in New York City
- ▶ Light enough for one-man operation
- ▶ Dual fuel - quick changeover from propane to natural gas
- ▶ Air flow switch and High limit switch ensures safe operation
- ▶ Thermostat to conserve fuel
- ▶ Optional wheel kit
- ▶ Steel construction

950H/950HL

- ▶ Efficient motor reduces amp draw and is rated to run on standard 15 amp circuit
- ▶ Remote (50' long) thermostat with High/Low/Off control
- ▶ 12" wheels for easy handling
- ▶ Relays pull in and hold tight down to 95V
- ▶ Ductable up to 125 ft.
- ▶ Upgraded heater control board starts heater with low voltage down to 95V
- ▶ Potted control board minimizes moisture and vibration
- ▶ Diagnostic troubleshooting lights

TECHNICAL SPECIFICATIONS				
HEAT GENERATED (BTU/Hr)	400,000	600,000	400,000	400,000 - 950,000
FUEL	#1, #2 FUEL OIL*	#1, #2 FUEL OIL	Vapor Propane/Natural Gas	Vapor Propane (950HL) / Natural Gas (950H)
FUEL CONSUMPTION (GPH)	2.83	4.3	—	—
GAS CONSUMPTION	—	—	4.4 GPH Propane/400 CFH NG	10.4 GPH Propane/950 CFH NG
GAS CONNECTION	—	—	1" FNPT	1-1/4" FNPT
ELECTRICAL	120 Volts 11.3 amp circuit	120 Volts 10.6 amp circuit	120 Volts 12 amp circuit	120 Volts 15 amp circuit
FAN	2500 CFM	2500 CFM	2000 CFM 1/4 HP	7200 CFM 1-1/2 HP
THERMOSTAT	On/Off (optional)	On/Off (optional)	On/Off	2 Stage High/Low/Off w/50' Remote
TEMP RISE	—	—	344°F	250°F
SHIPPING DIM. (inches)	63L x 27W x 39H	73L x 27W x 43H	46H x 18L x 24W	39H x 73L x 30.5W
WEIGHT (lbs)	233	247	95	325
GAS SUPPLY	—	—	Inlet Pressure	Inlet Pressure
Propane	—	—	Max W.C. 14	Min PSI 3
Natural	—	—	Min W.C. 7"	3
			14	7"
				3

** Special order; call for availability
*Oil is defined as: diesel, kerosene, #1-2 fuel oil



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1800B / 1800BL

- ▶ Efficient motor reduces amp draw and is rated to run on standard 15 amp circuit
- ▶ Remote (50' long) thermostat with High/Low/Off control
- ▶ 12" wheels for easy handling
- ▶ Relays pull in and hold tight down to 95V
- ▶ Ductable up to 50 ft.
- ▶ Upgraded heater control board
 - Starts heater with low voltage down to 95V
 - Potted control board minimizes moisture and vibration
 - Diagnostic troubleshooting lights

S1505B

- ▶ Efficient motor reduces amp draw and is rated to run on standard 15 amp circuit.
- ▶ Remote (15' long) thermostat with High/Low/Off control.
- ▶ Relays pull in and hold tight down to 50V.
- ▶ Upgraded heater control board
 - Starts heater with low voltage down to 95V
 - Built-in diagnostics
 - Runs stable when voltage drops down to 83V
 - Potted control board minimizes moisture and vibration
 - Rated to -40°F

2730C

- ▶ Safe fuel shutdown if combustion air is interrupted
- ▶ Low housing temperature
- ▶ May be ducted up to 200 feet
- ▶ Safe monitoring of combustion, two-trial electronic ignition with 20-second pre-purge time delay and 7-second shutdown
- ▶ Direct wire with easy, safe 100% power shut off
- ▶ Protects heater by shutting down if unit is being overfired
- ▶ Helps in diagnosing specific gas flow problems
- ▶ Protects heater by shutting down if voltage is too low
- ▶ Easy monitoring of control voltage to ensure trouble-free operation
- ▶ Automatically cycles the heater high on/off

3050C

- ▶ Safe fuel shutdown if combustion air is interrupted
- ▶ Low housing temperature
- ▶ May be ducted up to 300 feet
- ▶ Safe monitoring of combustion, two-trial electronic ignition with 20-second pre-purge time delay and 7-second shutdown
- ▶ Direct wire with easy, safe 100% power shut off
- ▶ Protects heater by shutting down if unit is being overfired
- ▶ Helps in diagnosing specific gas flow problems
- ▶ Protects heater by shutting down if voltage is too low
- ▶ Easy monitoring of control voltage to ensure trouble-free operation
- ▶ Automatically cycles the heater high on/off

TECHNICAL SPECIFICATIONS					
HEAT GENERATED (BTU/Hr)		250,000 - 750,000	850,000 - 1,500,000	2,000,000	3,500,000
FUEL		—	Vapor Propane/Natural Gas	Vapor Propane/Natural Gas	Natural Gas/Vapor Propane
GAS CONSUMPTION		Vapor Propane (1800BL) Natural Gas (1800B) —	16.4 GPH Propane/1500 CFH NG —	21.9 GPH LP 2000 CFH NG	Liquid Propane 14.32-44.0 CFH NATURAL GAS 870-4000 CFH
GAS CONNECTION		3/4" FNPT	1 1/4" FNPT	—	1" FNPT
ELECTRICAL		120 Volts 15 amp circuit — —	120 Volts 15 amp circuit — —	240V 1Ø 30 Amp 208-240V 3Ø 30 Amp 480V 3Ø 10 Amp	240V 1Ø 19.6 Amp Nominal 240V 3Ø 13.6 Amp Nominal 480V 3Ø 6.7 Amp Nominal
FAN		4200 CFM 1 HP —	7000 CFM 1 HP —	12,500 CFM 3.0 HP 2" Static Pressure	16,000 CFM 5.0 HP 3" Static Pressure
THERMOSTAT		2 Stage High/Low/Off w/50' Remote	2 Stage High/Low/Off w/15' Remote	High - Low	High - Low
SETTING RANGE		—	—	110°F - 30°F	—
TEMP RISE		385°F	490°F	220°F	200°F
SHIPPING DIM. (inches)		31.5H X 48.5L X 26W	69L X 32W X 41.5H	72L X 32W X 46H	73L X 41W X 44H
WEIGHT (lbs)		200	300	440	460
GAS SUPPLY		Inlet Pressure Min PSI	Inlet Pressure Max W.C. Min W.C.	Inlet Pressure Max PSI Min PSI	Inlet Pressure Max PSI Min PSI
Propane		5	14" 9"	250 10	250 10
Natural		5	14" 9"	— —	— —
			Manifold Pressure Max W.C. Min W.C.		
			2.7" 0.75"		
			7.2" 2.0"		

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4210C / 4215C** / 4220C****

BENEFITS

- ▶ Safe fuel shutdown if combustion air is interrupted
- ▶ May be ducted up to 400 feet
- ▶ Safe monitoring of combustion, two-trial electronic ignition with 20-second pre-purge time delay and 7-second shutdown
- ▶ Direct wire with easy, safe 100% power shut off
- ▶ Protects heater by shutting down if unit is being overfired
- ▶ Helps in diagnosing specific gas flow problems
- ▶ Protects heater by shutting down if voltage is too low
- ▶ Easy monitoring of control voltage to ensure trouble-free operation
- ▶ Automatically cycles the heater on/off
- ▶ Indoor/outdoor usage

FEATURES

- ▶ Air flow switch
- ▶ Ductable
- ▶ Flame safeguard control
- ▶ Fused disconnect switch
- ▶ High limit switch
- ▶ Manifold pressure gauge
- ▶ Motor overload - manual reset
- ▶ Panel mounted voltage meter
- ▶ Remote thermostat
- ▶ Weather sealed control box

TECHNICAL SPECIFICATIONS	4210C**	4215C**	4220C**
HEAT GENERATED (BTU/Hr)	5,000,000	6,000,000	7,000,000
FUEL	Vapor Propane, Natural Gas	Vapor Propane/Natural Gas	Vapor Propane/Natural Gas
GAS CONSUMPTION	54.6 GPH LP, 5000 CFH NG	65.6 GPH LP, 6000 CFH NG	76.5 GPH LP, 7000 CFH NG
GAS CONNECTION	1/2" NPT	1/2" NPT	1/2" NPT
MANIFOLD PRESSURE	15 PSI	15 PSI	15 PSI
ELECTRICAL	240V 1Ø 60A, 240V 3Ø 40A	240V 3Ø 50A, 480V 3Ø 30A	240V 3Ø 60A, 480V 3Ø 40A
FAN	27,500 CFM 10-HP	33,500 CFM 15-HP	40,100 CFM 20-HP
THERMOSTAT	High - Low	High - Low	High - Low
TEMP RISE	385°F	490°F	220°F
SHIPPING DIM. (inches)	99L X 64W X 78H	99L X 64W X 78H	99L X 64W X 78H
WEIGHT(lbs)	1140	1250	1350
INLET PRESSURE	Max PSI 250 Min PSI 10	Max PSI 250 Min PSI 10	Max PSI 250 Min PSI 10

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