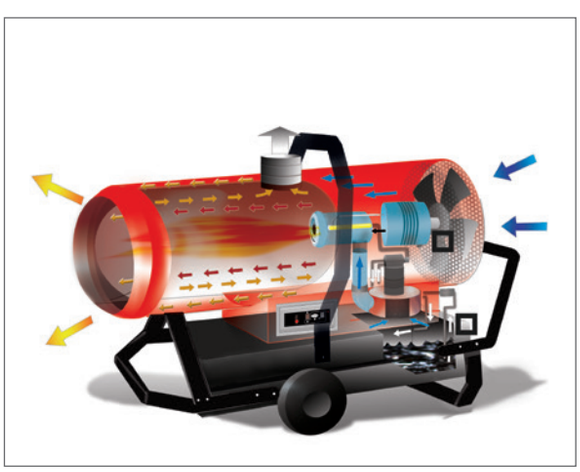
PHOEN HC

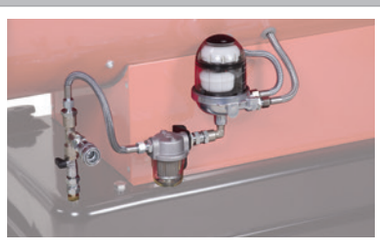
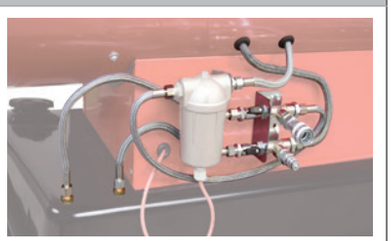
INDIRECT-FIRED PORTABLE HEATER WITH DEDICATED TWO-STAGE BURNER

PHOEN HC: INDIRECT-FIRED PORTABLE HEATER WITH DEDICATED TWO-STAGES BURNER

- CSA approved for construction US-C
- Separated burner blower
- Two-stage dedicated burner (low and high fire selector)
- No supervision required: can be controlled by thermostat, humidistat or timer
- 1ft power cord
- AISI 430 stainless steel combustion chamber with four-pass heat exchanger technology
- Convection fan is controlled by thermostat that measures combustion chamber temperature
- Combustion chamber pre-heating cycle
- Electronic flame control unit
- Combustion air pressure switch (safety device: turns off unit and requires manual reset)
- Fuel lines in hydrocarbon-resistant rubber wire-mesh protected
- Overheat thermostat
- Bayonet-type fuel tank cap
- Fuel tank drain plug
- Ventilation only mode (fan can be operated when burner is off)
- Pre-heated oil filter
- Anti-shock frame with foldable handle
- Single point lift bail and forklift pockets
- 16" pneumatic wheels (16" for HC version)
- Optional return air adapter for inside warm air recirculation
- Heater is shipped fully assembled
- Single fuel line kit: allows to recirculate hot oil from the return line back into the pre-heated filter to maintain oil warmer in the filter and favorite cold starts and better burning performance in extreme cold temperature



ACCESSORIES ON DEMAND

HEAVY DUTY THERMOSTAT (20/140°F) 30 ft CABLE, 90° PLUG	FUEL LEVEL GAUGE	FRESH AIR INTAKE DUCT ADAPTER
Cod. 02AC582	**Cod.** 02AC510	**Mod.** 4″ **Cod.** 02AC535 **Mod.** Duct - 4″, l=16,5 ft **Cod.** 02AC577
PRE-HEATED OIL FILTER	**EXTERNAL FUEL TANK CONNECTION KIT**	**EXTERNAL FUEL TANK CONNECTION KIT**
		
Cod. 02AC575	**Mod.** Single pipe with de-aerator **Cod.** 02AC632	**Mod.** Double pipe **Cod.** 02AC512
SINGLE FUEL LINE KIT	**ONE-WAY DUCT ADAPTER**	**TWO-WAY DUCT ADAPTER**
Cod. 02AC597	**Mod.** 20″ **Cod.** 02AC504	**Mod.** 16″+16″ **Cod.** 02AC506
THREE-WAY DUCT ADAPTER	**AIR INLET DUCT ADAPTER WITH SLIDING DOOR + FLEXIBLE AIR INLET DUCT**	**FLEXIBLE AIR DUCT 20 ft LONG**
Mod. 12″+12″+12″ **Cod.** 02AC579	**Mod.** 20″ **Cod.** 02AC558 **Mod.** Duct - 20″ **Cod.** 02AC795 **Mod.** All - clip for flexible duct (16″ - 30″) **Cod.** 02AC663	**Mod.** 12″ **Cod.** 02AC562 **Mod.** 16″ **Cod.** 02AC564 **Mod.** 20″ **Cod.** 02AC566

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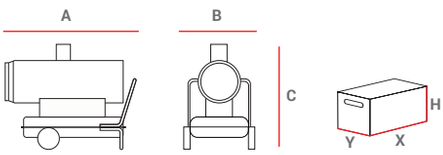
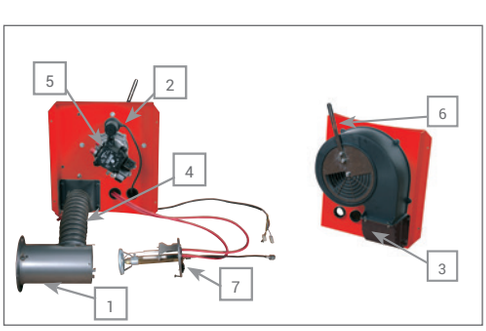


WEIGHTS AND DIMENSIONS MACHINE					PACKAGING			
MOD	A	B	C	Net	X	Y	H	Gross
	[in]	[in]	[in]	[lb]	[in]	[in]	[in]	[lb]
PHOEN 400 HC	85	33.9	53.3	456	85.6	29.2	52	511

		PHOEN 400 HC
code number		02EC260
heat input 2nd stage	BTU/h	411,905
heat input 1st stage	BTU/h	272,189
heat output 2nd stage	BTU/h	354,239
heat output 1st stage	BTU/h	231,360
fuel consumption 2nd stg - 1st stg	US gal/h	2.97-1.96
airflow	cfm	3,250
temperature rise (@64°F) 2nd stg - 1st stg	°F	132-108
power supply	V, ph, Hz	120, 1, 60
fan motor power	Hp (rpm)	1(1,700)
burner motor power	Hp (rpm)	1/4 (3,300)
current rating	amps	13
max lenght flex. duct (one-way/two way)	ft	100/60
max lenght air inlet flex. duct (one-way)	ft	30
max lenght fresh air intake duct	ft	15
flue size	in	6
tank capacity	US gal	57
run time 2nd stg - 1st stg	hour	29 - 19
unit/pallet	qty.	1
unit/container 20'	qty.	7
unit/container 40'	qty.	16
unit/container 40' hc	qty.	31



DEDICATED TWO-STAGE OIL BURNER

The Phoen line of heaters features a built-in burner specifically designed and optimized for cylindrical combustion chambers typical of our cannon-type heaters. The burner features a two-stage oil pump and a separated combustion air blower. Combined to the four-pass heat exchanger, enables to run the unit at 85% efficiency, one of the highest in the industry.

Legend
1 Combustion head
2 Fan-motor burner
3 Burner fan
4 Flexible hose connecting fan-motor and combustion head
5 Double stage diesel pump (Suntec)
6 Air regulation flap
7 Electrodes - Nozzle

FOLDABLE HANDLE

Anti-shock frame with foldable handle (PHOEN 400 HC)