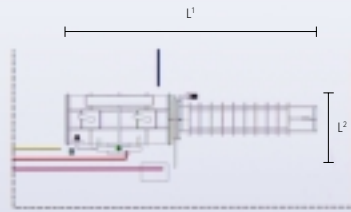


# PC5 and PC6

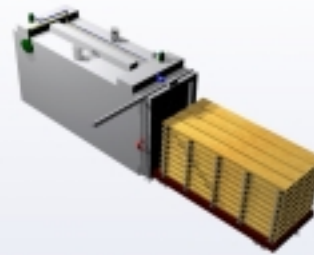
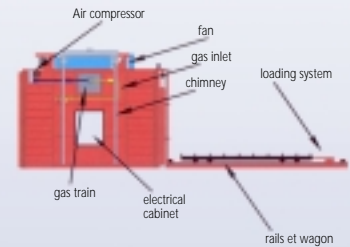
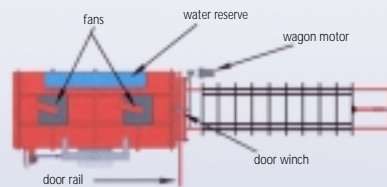
PERDURE

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PLAN OF THE KILN



- RECOMMENDED SPACE FOR EFFICIENT OPERATION
- CHIMNEY
- GAS
- WATER
- ELECTRICITY + TELEPHONE LINE
- WATER EVACUATION
- ELECTRICITY



		PC5		PC6	
		EUROPE	AMERICA	EUROPE	AMERICA
Exterior Dimensions	Length (L <sup>1</sup> )	16 315 mm	53.5 ft.	17 315 mm	56.8 ft.
	Width (L <sup>2</sup> )	2 595 mm	8.5 ft.	2 595 mm	8.5 ft.
	Height	5 300 mm	17.4 ft.	5 300 mm	17.4 ft.
Interior Dimensions	Length	5 500 mm	18 ft.	6 500 mm	21.4 ft.
	Width	1 543 mm	5.06 ft.	1 543 mm	5.06 ft.
	Height	2 500 mm	8.2 ft.	2 500 mm	8.2 ft.
Dimensions of the Load	Length	5 250 mm	17.2 ft.	6 250 mm	20.5 ft.
	Width	1 250 mm	4.1 ft.	1 250 mm	4.1 ft.
	Height	2 000 mm	6.56 ft.	2 000 mm	6.56 ft.
Wagon	Length	5 250 mm	17.2 ft.	6 250 mm	20.5 ft.
	Width	1 350 mm	4.4 ft.	1 350 mm	4.4 ft.
	Height	2 200 mm	7.28 ft.	2 200 mm	7.28 ft.
Maximum Theoretical Capacity Per Year		5 250 m <sup>3</sup>	2 897 TBF	6 300 m <sup>3</sup>	3 650 TBF
Production Capacity by Treatment Cycle		8.75 m <sup>3</sup>	3.96 TBF	10.5 m <sup>3</sup>	5 TBF

## CHARACTERISTICS

**RAIL** same as the kiln; over 1 meter long.

**FRAMEWORK** made of black sheet metal with painted exterior, the rear part can be disassembled to make a modular unit.

**FRONT DOOR** made entirely of metal with a fitted door seal. A lateral sliding door operates on wheels and guiding rails. Four lateral electric winches seal the door shut. Electrical controls on the frame allow to move the wagons and to close the door.

**INSULATION** high density rock wool panels are used as insulation.

**EVACUATION GUTTERS** evacuate the water located in lower parts through pipes and into an exterior collecting sump.

**STORAGE TANKS** made of stainless steel are situated in the top part of the kiln to store spray water.

**CHIMNEYS** evacuate gases and vapor using a vapor recovery system and pipes which are connected to an exterior sump.

**WAGONS** automatically operated wagons with a metal structure and lateral supports, equipped with 8 metal wheels, operated on an independent railway. Wagons are driven by a system of chains and a motor-driven reduction gear. Each wagon is equipped with a detachable coupling.

## HEAT SUPPLY

(natural or propane gas)

**TOTAL POWER INSTALLED:** 240 KW

**GAS TRAIN:** valve, filter, counter, security electrical valve, relief valve, pressure sensor.

**PANOPLIE GÉNÉRALE - AIR :** moto ventilateur, capteur de pression.

**GENERAL TRAIN-GAS:** valves, electrical security valves (pilot and burner), servomotors, control

valve, gas ratio regulator, high speed burner equipped with a pilot, pilot ignition and detection system, pressure sensors.

**STIRRING:** variable speed controllers, flow sensors.

**POWER SUPPLY:** cabinet, protection, supply sources, power switches, auxiliary relays, connection terminals, wiring cabinet, oven wiring.

**AUTOMATED APPLICATIONS CONTROL STATION:** programmable automated applications, entrance and exit cards, control card, connection interfaces, variable speed control link boards, industrial PC with modem.

## COMPUTER SYSTEM

**COMPUTER CONTROL SYSTEM CABINET** (optional extra), equipped with a heating and ventilation system.

**COMPUTER** industrial PC with watertight/dust proof keyboard and hard drive.

**15" COLOR MONITOR.**

**COLOR PRINTER.**

**MODEM.**

**COMPUTERIZED CONTROL UNIT INCLUDING PROBES, THERMOCOUPLES, WIRING.**

**PROGRAMMING** developed by PCI Industries Inc.

## PLUMBING

**AIR-GAS BURNER CONNECTOR:** assembly and realization of the gas plumbing of the burners, pilots and air. Paint-coated steel plumbing.

**GAS TRAIN:** realization and assembly of the gas train is made on a paint-coated steel frame.

**WATER COOLING SYSTEM:** parts and assembly made of insulated stainless steel plumbing, water pump, non-return valve, pressure relief valve, water filter, flow sensor, 3 electrical valves and 86 injectors.

## SMOKE INCINERATOR

The size of the smoke incinerator is directly proportional to the length of the kiln. It includes: a machined and welded support, an insulated heating chamber, a thermal heating unit with probes, a system to eliminate gaseous pollution.

## OPTIONAL EXTRA

- chariots supplémentaires;
- finition extérieure en inox;
- double porte (avant et arrière);
- système modulaire.