

## High frequency vacuum timber dryer

### 1.It is new drying method. (Dielectric heating)

Steam and normal vacuum dryer (hot plate) is conductive heating. They dry the wood little by little from outside to inside.

High frequency is dielectric heating. HF wave can penetrate the thick wood and dry it uniformly. Even the core of wood temperature is heater than surface.

Vacuum condition: It is minus pressure, safe.

The wood moisture can vaporized in low temperature.

Then vapor will be pump out automatically. So HF vacuum dryer is faster, more uniform, no bending and no crack caused by non-uniform.

### 2. No need boiler; No need hot plate (no hot water)

The power supply of HF vacuum dryer is electricity. It does not need boiler, save the human resource and protect the Environment.

### 3. Worm killing.

High frequency can kill the worm and bacteria. It does not need special chemical treatment.

**Package:** Standard export packing, plastic and foam, fixed by wood pallet, shipped in container by sea

Model	GZ-3.0III-DX	GZ-4.0III-DX	GZ-6.0III-DX	GZ-8.0III-DX	GZ-10.0III-DX	GZ-12.0III-DX
Capacity (CBM)	3.3	4.4	6.6	8.64	10.08	12.48
Out Dimension (mm)	L4400 W1716 H1806	L5400 W1716 H1806	L6500 W1916 H2006	L7600 W2000 L2090	L8600 W2000 H2090	L9600 W2000 H2090
Inside dimension (mm)	L3600 W1500 H1500	L4600 W1500 H1500	L5700 W1700 H1700	L6800 W1750 H1750	L7800 W1750 W1750	L8800 W1750 H1750
Timber cart (mm)	L3000 W1100 H1000	L4000 W1000 H1000	L5000 W1200 H1000	L6000 W1200 H1200	L7000 W1200 H1200	L8000 W1300 H1200
Max Length of Wood	3m	4m	5m	6m	7m	8m
High Frequency	6.78MHz					
Input Power	15KW	15KW	30KW	40KW	50KW	50KW
output power	10KW	10KW	20KW	30KW	40KW	40KW
Vacuum pressure	- 0.093MPa					
Weight(kg)	4000	5000	7000	9000	11000	13000
Packing	20GP	40GP	40HQ	40HQ	40HQ	40HQ

Kiln Temp	Vacuum kiln Drying temperature: $\leq 90^{\circ}\text{C}$
Moisture	From 90% to 6% ,could be setting as per-request
Drying time	2-7 days
Application	Apply for all hardwood species