



郑州佰利得机器制造有限公司

Zhengzhou Lead Equipment Co., Ltd.

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LD20 CLC brick making machine

Foam concrete, also called Cellular Light weight Concrete, has been used in over 40 countries for building houses, apartments, schools, hospitals, industrial buildings, etc.

Brief Instruction:

LD20 CLC brick making machine is a middle-sized patent product based on many years experience, with completely independent intellectual property rights. It includes a screw conveyor, a mixer, a foam generator and a foam concrete pump, adopts advanced control technology, can exactly adjust foam cement density. It also meets different densities of foam concrete products manufacturing. The capacity is 20m³/h. At present, our products have already big batch exported to overseas market, achieving a historic breakthrough.

Working Principle:

Foam concrete specially made by foam concrete mixer is a kind of advanced lightweight and insulated material. And this material has a great number of closed pores. With the help of foaming system of foaming machine, foam agent can foam fully and mechanically. Then foam and cement paste are mixed evenly. Next, the mixture will be out from pumping system to cast in place construction or form mold. After natural conservation, foam concrete forms.

Benefits of foam concrete:

- 1. Lightweight:** Dry bulk density 300 kg/m³ -1500kg/m³ , 1/8-1/2 as light as common concrete.
- 2. High Compression Strength:** compressive strength ranging from 0.6 MPa to 25 MPa, 4 times as traditional aerated concrete.
- 3. Thermal Insulation:** good heat preservation and good thermal insulation.
- 4. Impermeability:** Low water-intake rate and high impermeability.
- 5. saving cost:** Easy and fast production. No primary energy and reduced transportation costs.





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Features:

1. LD20 CLC brick making machine is a middle-sized one, designed for bricks production, which is easy to operate and mobile.
2. Pumping, foaming and mixing system assembles as a whole, convenient to use;
3. It has the continuous feeding system and water supply system, with high pumping height and low power requirement.
4. It adopts hydraulic system to pump foam concrete, more powerful, can up to 80m vertical pumping distance.



Advantages:

1. **Frequency converter**: adopts digital control technology, can exactly adjust foam cement density.
2. **Static mixer**: reduce the ratio of foam loss and guarantee the quality of the foam concrete.
3. **Hydraulic piston system**: stable flow, small fluctuation, and low foam loss ratio.



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4. **Screw conveyor:** automatic delivery, time-saving and labour-saving.

LD20 CLC brick making machine technical parameters:

Model No./Cement foam machine	LD20
Max. theoretical concrete put(m ³ /h)	20
Motor power(kw)	21
Theoretical vertical conveying height(m)	80
Theoretical level transmission distance(m)	500
Mixer tank capacity(L)	580
Filling height(mm)	1100
Mixer size(mm)	1940*780*1470
Feeder size(mm)	3990*760*830
Main part overall dimension(mm)	3000*1420*830
Weight of main part(kg)	1400

LD20 CLC brick making machine technical parameters:

Model No./Cement foam machine	LF20D
Max. theoretical concrete put(m ³ /h)	20



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Diesel engine power(kw)	53
Theoretical vertical conveying height(m)	80
Theoretical level transmission distance(m)	500
Mixer tank capacity(L)	580
Filling height(mm)	1100
Mixer size(mm)	1940*780*1470
Feeder size(mm)	3990*760*830
Main part overall dimension(mm)	4000*1500*1900
Weight of main part(kg)	3000

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