



郑州高德机械设备有限公司 Gaode Equipment Co., Ltd.

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GF100 Large bridge head road base backfill foam concrete machine

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

Brief Instruction:

GF100 Large bridge head road base backfill foam concrete machine includes screw conveyor, concrete mixer, foam generator and foam concrete pump, adopts advanced automatic PLC intelligent control system, high-definition intelligent touch screen operation, which can realize precise control of product bulk density, automatic weighing of slurry, instantaneous and cumulative flow display, etc. It is the most automated foam concrete production equipment. It can meet all the large-scale projects such as road surface filling and abutment back filling for the quality of foam concrete.

Working Principle:

1. Cement, sand, etc. raw material mixed in the concrete mixer into slurry;
2. With the help of foam generator, foam agent can produce foam fully and mechanically. The foams are rich and fine, independent and homogeneous;
3. Then slurry and foam are mixed evenly;
4. Next, the foam concrete will be pumped out from pumping system to work site or mold;
5. After natural conservation, foam concrete forms.

Benefits of foam concrete:

1. **Lightweight:** Dry density 400 kg/m³ - 1600kg/m³ , 1/8-1/2 as light as common concrete.
2. **High Compression Strength:** Compression strength is 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. **Beautiful:** The shape is made of high-strength precision thickened steel plate, professional cover parts and sheet metal parts are manufactured and produced, and the appearance is beautiful.
2. **Convenience:** The whole container design is adopted, and the structure is compact, which is convenient for transportation, lifting and construction.
3. **High efficiency:** the production capacity is as high as 70-100 cubic meters / hour.
4. **Economy:** Adopting the most advanced hose pumping system, the operation is simple, the failure rate is low, the maintenance is convenient and the cost is low.
5. **Stable:** The output of the slurry is even and stable, and the density of the finished foam concrete is uniform and the quality is stable.
6. **Intelligent:** Adopt automatic PLC intelligent control system, high-definition intelligent touch screen operation. The cement and water are fully and accurately weighed to achieve precise control of the water-cement ratio, thus controlling the bulk density of the foam concrete.
7. **Service:** professional technical team and perfect after-sales service system, provide professional technical guidance and technical support 24 hours a day, so that you can buy worry-free.

Technical parameters:



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Model		GF100 foam concrete machine
The actual output (m ³ /h)		70-100
Foam capacity(m ³ /h)		60-70
Foam concrete pump capacity(m ³ /h)		35
Max. pumping distance(m)	Horizontal	1000
	Vertical	110
Voltage		3 phase, 380V, 50Hz
Total motor power(kw)		54
Total weight (kg)		6000
Over dimension(mm)		4000×1810×2450





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Shipping List:

No.	Name	Spec.	Unit	Qty.	Remarks
1	Foam concrete machine	GF100	set	1	
2	Conveyor	Φ 273×6000	set	1	
3	Delivery hoses	Φ 76	pc	5	20m/pc
4	Water tank with holder		set	1	
5	Steel tube	Φ 76	pc	1	6m
6	Steel tube	Φ 25	pc	2	6m
7	Suction tube		pc	1	
8	Water pump	380V-5.5Kw	set	1	
9	Waterproof poncho		pc	1	
10	Work clothes		set	2	
11	Dust bag		pc	2	(Φ 280×500) (Φ 400×500)
12	Tool box		1 set		
13	Documents	Manual, packing list and warranty card.			

Application:





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Note: The foam concrete's other applications

1. External wall thermal insulation
2. Thermal insulation roofing
3. Thermal flooring
4. Upstanding beam foundation ditches filling
5. Sound insulation and fire protection walls
6. Playground and track construction
7. Sound insulation layer, tunnel lining filling
8. Cellar, basement and arch filling
9. Sewers and Drains filling
10. Horizontal floor heightening
11. Water tank and fuel tank building
12. Platform filling and mending
13. Garden and rockeries
14. Foam concrete block
15. Foamed concrete precast, hollow wallboard casting

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