

Portable Concrete Plant CCS 3021-ELVIRA



Cement weighing and delivery chute



Serviceroom: compressor, flow meters, watertank and additive tanks



The plant is ready for production just a shortly after transport to site

CCS 3021- Elvira is a concrete batching plant where all the components, including precisely dosed additives are automatically weighed, measured, and fed into the mixer truck for the delivery of ready-mixed concrete to site. Standard output capacity is 120 cubic meters of ready-mixed concrete per hour.

- The entire plant is supplied as standard ISO containers
- The plant complies with standard EN 206-1, accuracy class I
- Output capacity is based on production of concrete in 6 m³ concrete mixer trucks with a 60 second time-window for change of trucks
- Fluid concrete additives are dosed as concentrate
- The advanced control system can be equipped with an optional GPS-system for surveillance of concrete trucks

Upgrading (additional):

- Higher output capacity (for full use of larger concrete mixer trucks).
- The plant can be equipped with a mixer fully mounted inside a 20 feet container instead of a delivery chute
- Heating unit for thawing of frozen aggregate, and for production of concrete with a fixed temperature
- Cooling unit for production of nitrogen-cooled concrete
- Enlarged cement silo volume, 4 x 70 = 280 m³



Computerized control room

Manuel Bjt. Vejestation

Ballast (kg)	Cement (kg)	Vatten (kg)	Kalk (kg)	Vatten (kg)	Tillägg 1 (kg)	Tillägg 2 (kg)
2	2	1	1	1	1	1
4	4	2	2	2	2	2
6	6	3	3	3	3	3
8	8	4	4	4	4	4
10	10	5	5	5	5	5
12	12	6	6	6	6	6
14	14	7	7	7	7	7
16	16	8	8	8	8	8
18	18	9	9	9	9	9
20	20	10	10	10	10	10
22	22	11	11	11	11	11
24	24	12	12	12	12	12
26	26	13	13	13	13	13
28	28	14	14	14	14	14
30	30	15	15	15	15	15

Uppvärmning: 000 kg

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Manuell styrning

F1 F2 F3 F4 F5 F6 15.41.24

F7 F8 Process adm. F9 Viktsystem F10 Stämning F11 Process F12 Handledning 01-03-2012

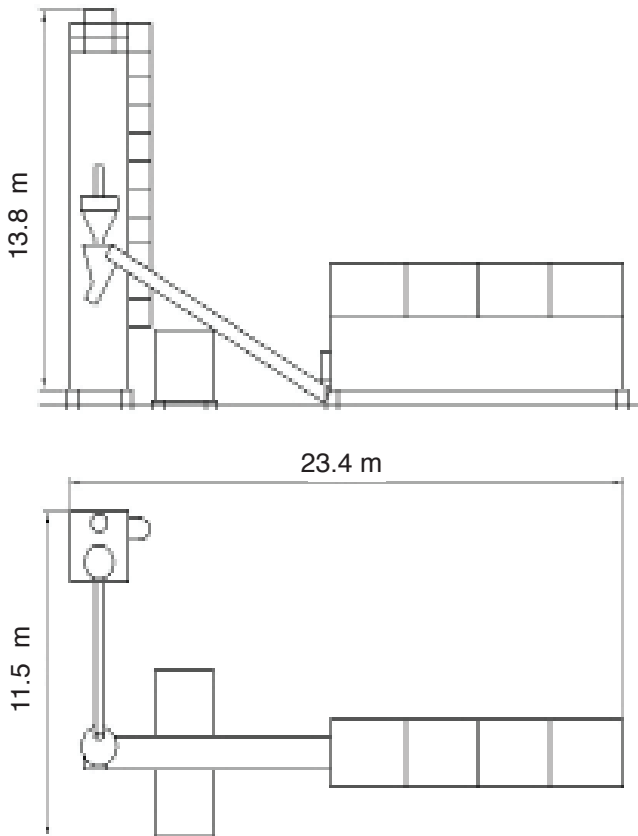
CCS 3021 ELVIRA

SMIDESPROFFSEN

UMEA SWEDEN

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TECHNICAL DATA

Capacity: 3 m³ per load, 120 m³/hour

Aggregate volume: 4 x 10 m³ = 40 m³

Cement volume: 60 m³

Electric power supply:

3 x 400 VA, 50 Hz, 125 kVA.

Delivery size: 100 container feet.

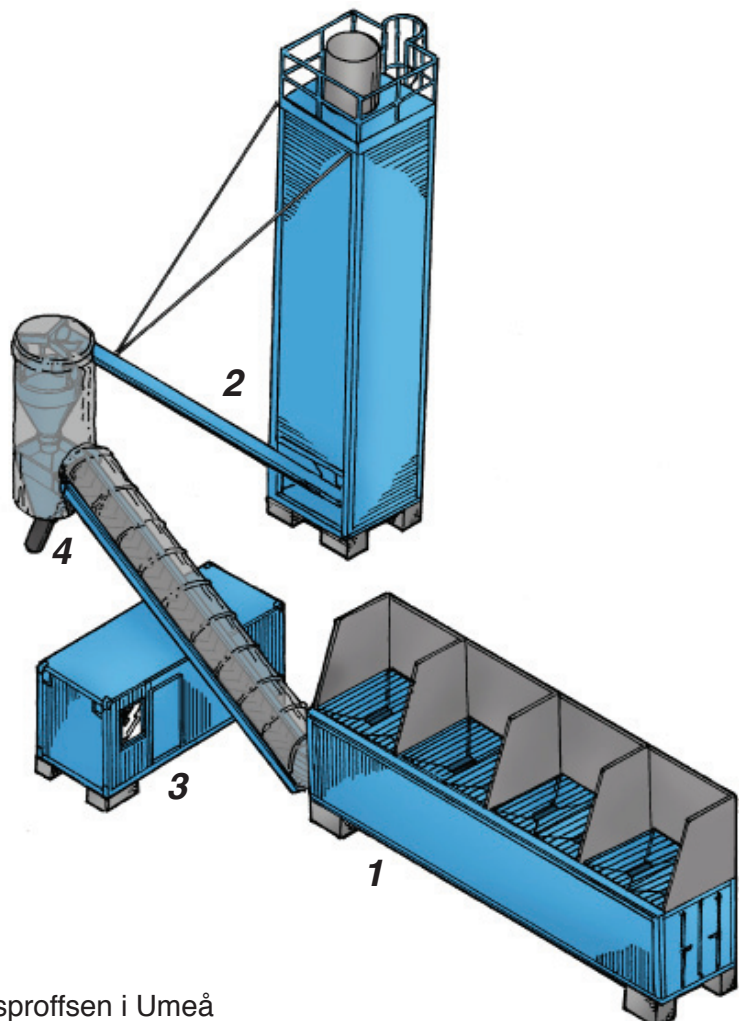
CCS 3021 KOMPONENTER

1 Aggregate feeder container 40 feet
Aggregate reception hoppers with collapsible fenders and grills. Discharge hatches. Aggregate weighing belt conveyor.

2 Cement silo container 40 feet
Blow pipe, filter safety valve, level control. Screw conveyor for lifting to weighing hopper.

3 Control room/service container 20 feet
Control system.
Cold water tank 1000 l, with pump and valves.
Additive dosage units (2 pcs) with flow meters and valves. Air compressor unit.

4 Belt conveyor, capacity 120 kg/sec
Delivery chute for aggregate, cement, water and fluid additives.



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