

SRC 700

Concrete recycling unit

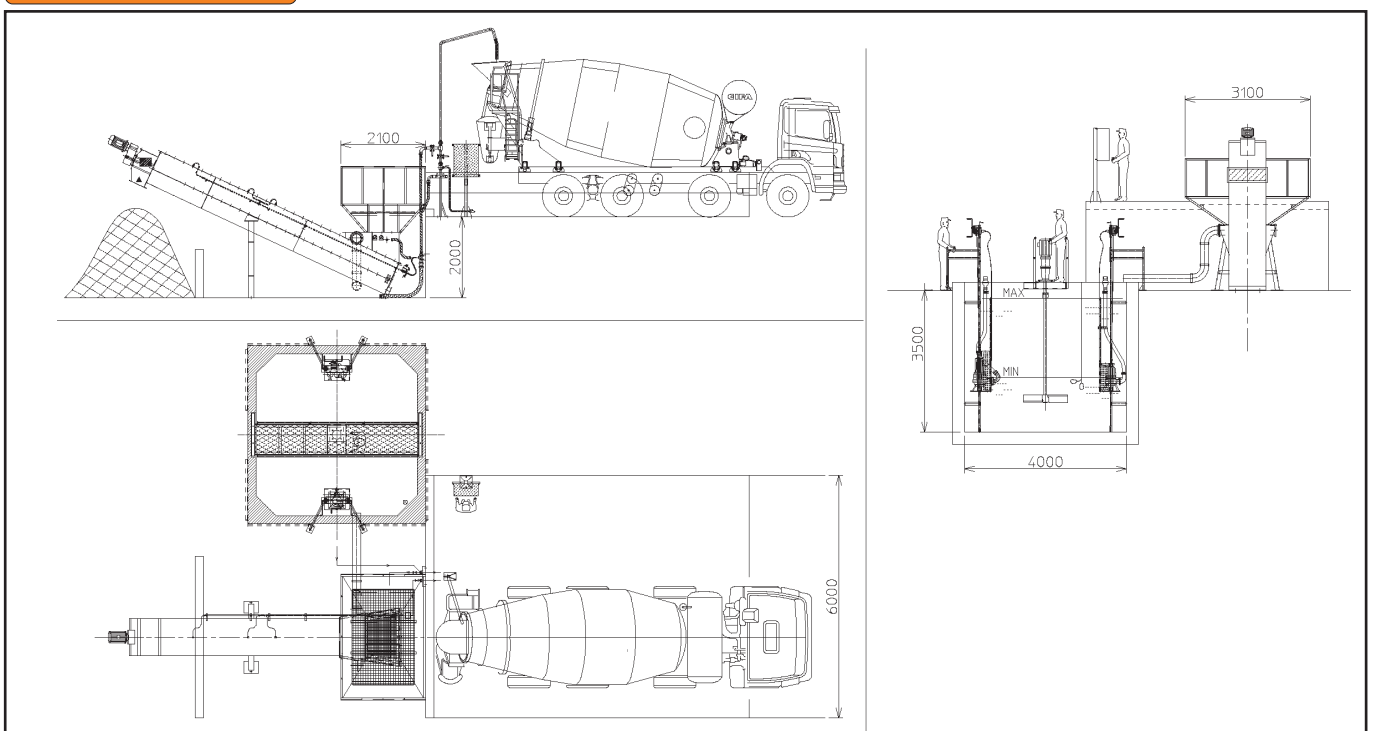
This machine is primarily used to entirely solve the problem of separating and recycling the aggregates and slurry which come from washing concrete mixers or truck-mounted pumps at the end of operations or during the day if necessary.

Description

The separator washes and separates aggregates (gravel and sand used to make up concrete), from cement and silt. This ensures that the material that comes from washing the concrete mixers can be fully recycled. The SRC 700 separator can be considered as a system with an incoming flow (concrete) and two outgoing flows (washed aggregates and a flow of water, silt and cement). The incoming concrete is conveyed to the hopper designed to make material unloading and machine washing easier. This hopper is not used to accumulate material. Inside the hopper, water is circulated to prevent the silt sedimenting, while a screw conveyor conveys the aggregates through a tilting trough, where they are sprayed by clean water.



Layout



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Standard version

Recycling screw conveyor

- Diameter: 730 x 5500
- Rotation speed: 14 g/min
- Galvanised

Operation

- Electric 7.5 kW motor
- Reduction gear

Accessories

- Washing nozzle for cleaning machines
- Nozzles for cleaning aggregates in the screw conveyor

Water delivery system

- Automatic nozzle feeder valve
- End hose, to convey washing water to the concrete mixer

Control unit

- Control panel with indicators, warning light and acoustic alarm, emergency stop button. Designed for two electric agitators and two submersible pumps

Optionals

- Submersible pump (to convey recycled water for washing the concrete mixer), with three metre hose and all accessories.
- Submersible pump (to convey recycled water to the dosing unit), with all accessories.
- Two electrical agitators with frame and ratiomotor.
- Recycled water dosers, including electromagnetic litre meters to record recycled water.

TECHNICAL DATA

STANDARD ACCESSORIES			
Maximum theoretical output	m^3/h	15	
Operating voltage	V/Hz	400/50	
SCREW CONVEYOR			
Outer diameter	mm	730	
Length	mm	5500	
Power	KW	7,5	
LOADING HOPPER			
Angle of inclination		35°	
Size (l x h)	m	3 x 2	
PIT			
Size	m	3x3	4x4
OPTIONALS			
SUBMERSIBLE PUMP TO PUMP WATER TO THE WASHING STATIONS			
Flow rate	m^3/h	40	
Head	bar	1	
Power	KW	2,2	
SUBMERSIBLE PUMP TO PUMP WATER TO THE SYSTEM			
Flow rate	m^3/h	40	
Head	bar	2	
Power	KW	5,5	
ELECTRICAL AGITATOR			
Blade diameter	mm	700	
Power	KW	2,2	
ELECTRICAL AGITATOR			
Blade diameter	mm		1100
Power	KW		4
LITRE METER			
Diameter (DN)	mm	50	
Maximum operating pressure	bar	2,5	
IP rating		IP 67	

Technical data and specifications subject to modifications

