

# CM TWIN BOOSTER

CM twin Booster set consists of two identical Grundfos CM pumps connected in parallel and mounted on a common base frame and a control cabinet incorporating motor protection and controller.



## PUMPSET FEATURES

- Non self priming, horizontal, multistage centrifugal pump
- CM Twin Booster sets are supplied as complete preassembled and tested system (Without pressure tank)
- Installation friendly: Compact, mounted on a common frame, including all necessary accessories and internal piping
- Reliability of supply: Multi-pump operation maintains supply, even in the event of one pump failure
- Paint application by electrophoresis gives the motor and pump CI parts excellent corrosion resistance
- Simple control and alteration between pumps, dry running protection, built in relay for ensuring constant and steady operation
- Enclosure Class: IP 54
- Insulation Class: F
- Automatic start / stop upto 100 Times/hour
- Quiet operation
- Anti-corrosive coating on cast iron parts. Excellent corrosion resistance

## APPLICATIONS

- Large houses
- Domestic building
- Cottage and villas
- Hotels
- Hospitals
- Schools
- Industrial Plants

## MATERIAL OF CONSTRUCTION

Pump shaft	AISI 304
Chamber	AISI 304
Impeller	AISI 304
Suction chamber	Cast iron
Manifold	MS galvanized /AISI 304 (on request)

## Twin system includes:

- Suction and discharge manifolds
- Isolating valves
- Non- return valves
- Pressure gauge
- Pressure switch
- Grundfos Controller CS 201 (1 phase) or Multi S (3 Phase)
- Base frame

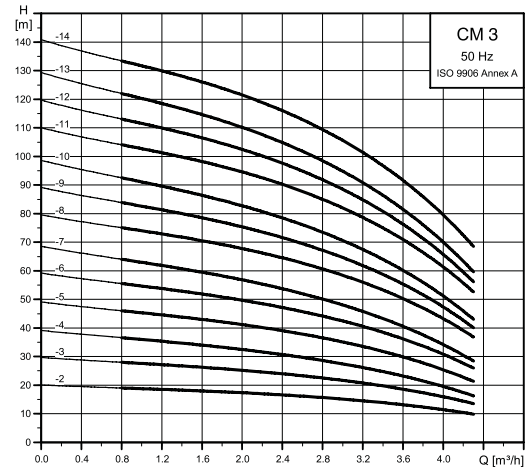
## Controls:

Grundfos controller CS 201 (Single phase) or Multi S (Three phase) is used to control these pumps. Few of the features of the controllers:

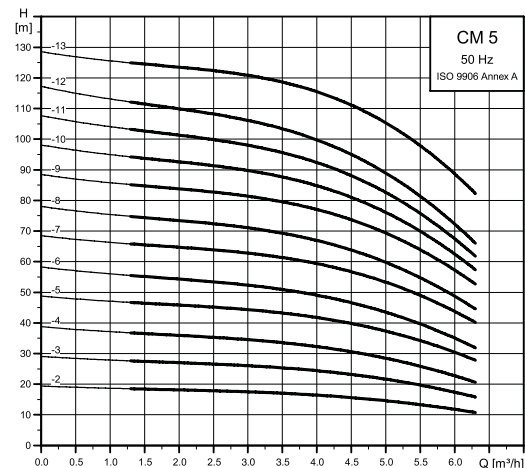
- Automatically cascade control of the pumps by means of two pressure switches
- Automatic pump changeover at any start / stop cycle
- Pump and system monitoring functions:
  - Short circuit protection by means of fuses
  - Motor overload protection by means of thermal switch built into the motor (1ph only)
  - Dry running protection by means of an additional pressure switch or level switch (Accessory)
  - Start and stop delays to prevent simultaneous start / stopping of the two pumps (For 3 phase only)
  - Stop delay after reaching the respective cut-out pressure (For 3 phase only)

## Performance curves - Single pump

### CM3



### CM5



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