

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

Salient 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



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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

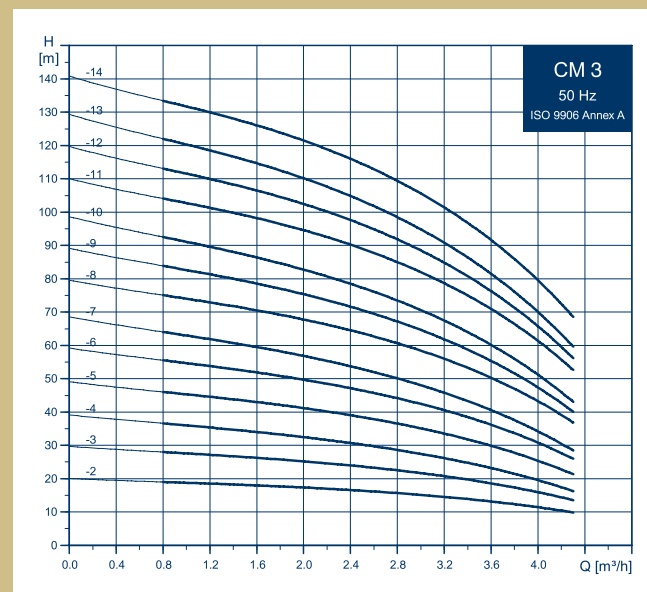
- Suction and discharge manifolds
- Isolating valves
- Non- return valves
- Pressure guage
- Pressure switch
- Grundfos Controller CS 201 (1Phase) or Multi S (3 Phase)
- Base frame

CONTROLS

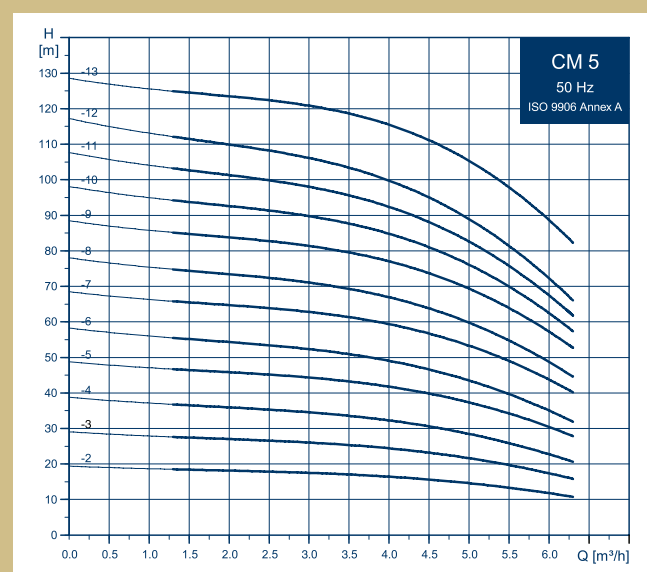
- Grundfos controller CS 201 (Single phase) or Multi S (Three phase) is used to control these pumps. Few features of the controllers:
 - Automatically cascade control of the pumps by means of two pressure switches
 - Automatically pump changeover at any start / stop cycle
- Pump and system monitoring functions:
 - Short circuit protection by means of fuses
 - Motor overload protection by means of thermal switch built into motor (for single phase 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 three phase only)
 - Stop delay after reaching the respective cut -out pressure (for three phase only)

PERFORMANCE CURVES -SINGLE PUMP

CM3



CM5



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For more information contact us:

 www.grundfos.com/in

 **1800-102-2535**

 oneoffice.india@sales.grundfos.com

Authorised Distributor

