

Wilo-Hydroplus-E (EBMS 2G).

Compact booster sets.



Wilo-Hydroplus-E (EBMS 2G)

Fitted with onboard EVS*: Commercial and industrial use.



The WILO Hydroplus-E series of three phase variable speed booster sets are particularly suitable in the following applications:

**Housing - Office projects
Hotels - Hospitals - Clinics
Industrial applications
Schools - Universities**

Description

All units are fully automatic self-contained pump sets designed to provide reliable water supplies. The sets are quiet running, making them suitable for use in hotels and hospitals. The control systems are based on proven electronic technology giving reliability and simple on site adjustment. Sets are manufactured with either two or three pumps operating in a master-slave configuration. The pumps, pipes and controls are carefully arranged on a steel base frame to ensure that floor spaced used is minimal, yet maintenance is easily undertaken.

Operational Cycle:

The configuration of the pumps are set as Master / Slave. System pressure is maintained by a hydraulic accumulator and monitored by pressure a sensor, keeping the system ready for instant draw off. When demand causes pressure to drop the master pump starts, and will ramp up in speed to match the system demand, the pump will continue to run, varying its speed to match the varying demand of the system. If the master pump runs at 100% the slave pump is automatically started which varies its speed ensuring duty point is maintained.

When the system demand reduces to zero, the pumps will ramp down successively from pump 3 to 1. If the master pump should fail, the slave will start and run until pressure is restored. The master pump is rotated between all pumps every 3.5 hours to ensure even wear.

Specification:

Pumps:

Horizontal and Vertical multi stage design of stainless steel construction, WRC approved.

Motor: Totally enclosed fan cooled (TEFC), IP54, class F, 400 volts, three phase, direct on line (DOL) starting via pump mounted inverter.

Inverter: Each pump has an inbuilt inverter, giving maximum reliability and flexibility. Each inverter has a LCD providing status of pump (on/off/faults), each inverter is equipped with dry running protection.

Pipe Work: Stainless steel 14571, sized in accordance with the overall hydraulic performance of the unit.

Valves: DVGW certificated nickel-plated isolation and non-return valves.

Pressure Sensor: Heavy duty piezo-resistive type transducers (4-20ma).

Accumulator: 1 x 8 litre MWP 16 bar, WRC approved c/w through flow shutoff valve for testing and draining.

Control Panel: ABS enclosure, IP54 protection class with isolator and fused protection per pump. The EBMS control board is fitted inside inverter no.1. The control board allows fully automatic control upto a maximum of 3 pumps in parallel. The set point can be easily adjusted via a potentiometer mounted on the control board.

Design:

Max working Pressure:

MHIE: 10 Bar

MVIE: 16 Bar

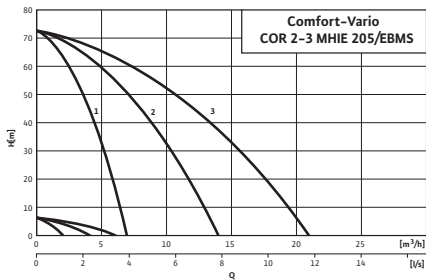
Voltage: 400V/3PH/50HZ

Protection Index: IP54

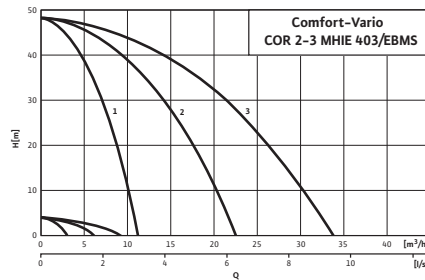
EMC Compliance: EN61000-6-2/3

Duty charts WILO-COMFORT-VARIO COR-2 to COR-3 MHIE.../EBMS

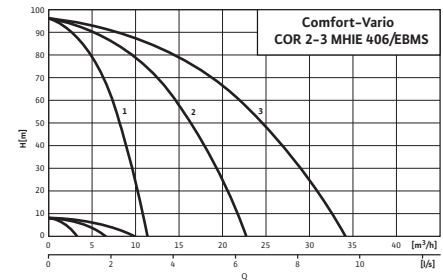
Wilco-Comfort-Vario COR-2 to COR-3 MHIE 205/EBMS



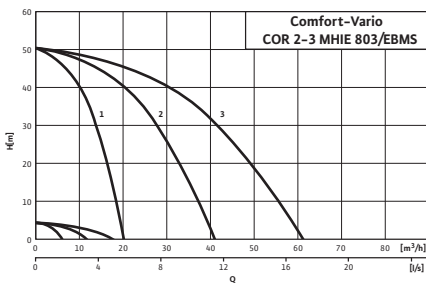
Wilco-Comfort-Vario COR-2 to COR-3 MHIE 403/EBMS



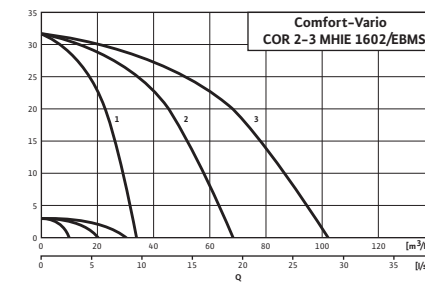
Wilco-Comfort-Vario COR-2 to COR-3 MHIE 406/EBMS



Wilco-Comfort-Vario COR-2 to COR-3 MHIE 803/EBMS

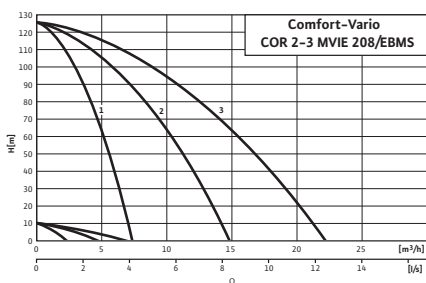


Wilco-Comfort-Vario COR-2 to COR-3 MHIE 1602/EBMS

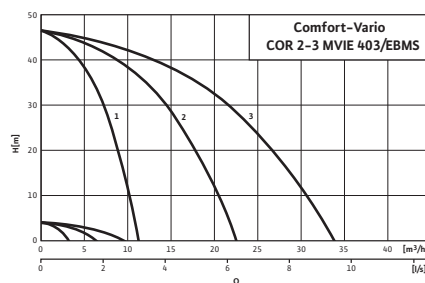


Duty charts WILO-COMFORT-VARIO COR-2 to COR-3 MVIE.../EBMS

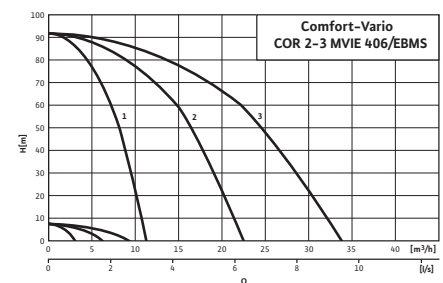
Wilco-Comfort-Vario COR-2 to COR-3 MVIE 208/EBMS



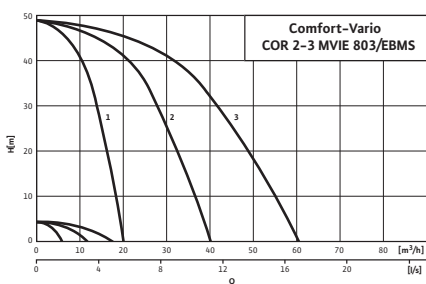
Wilco-Comfort-Vario COR-2 to COR-3 MVIE 403/EBMS



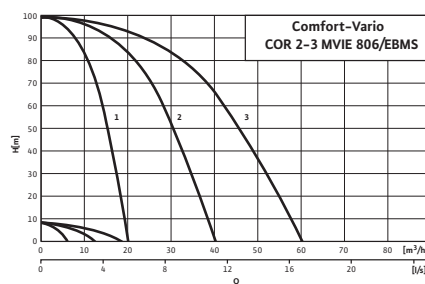
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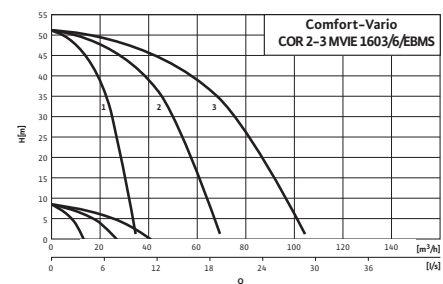
Wilco-Comfort-Vario COR-2 to COR-3 MVIE 803/EBMS

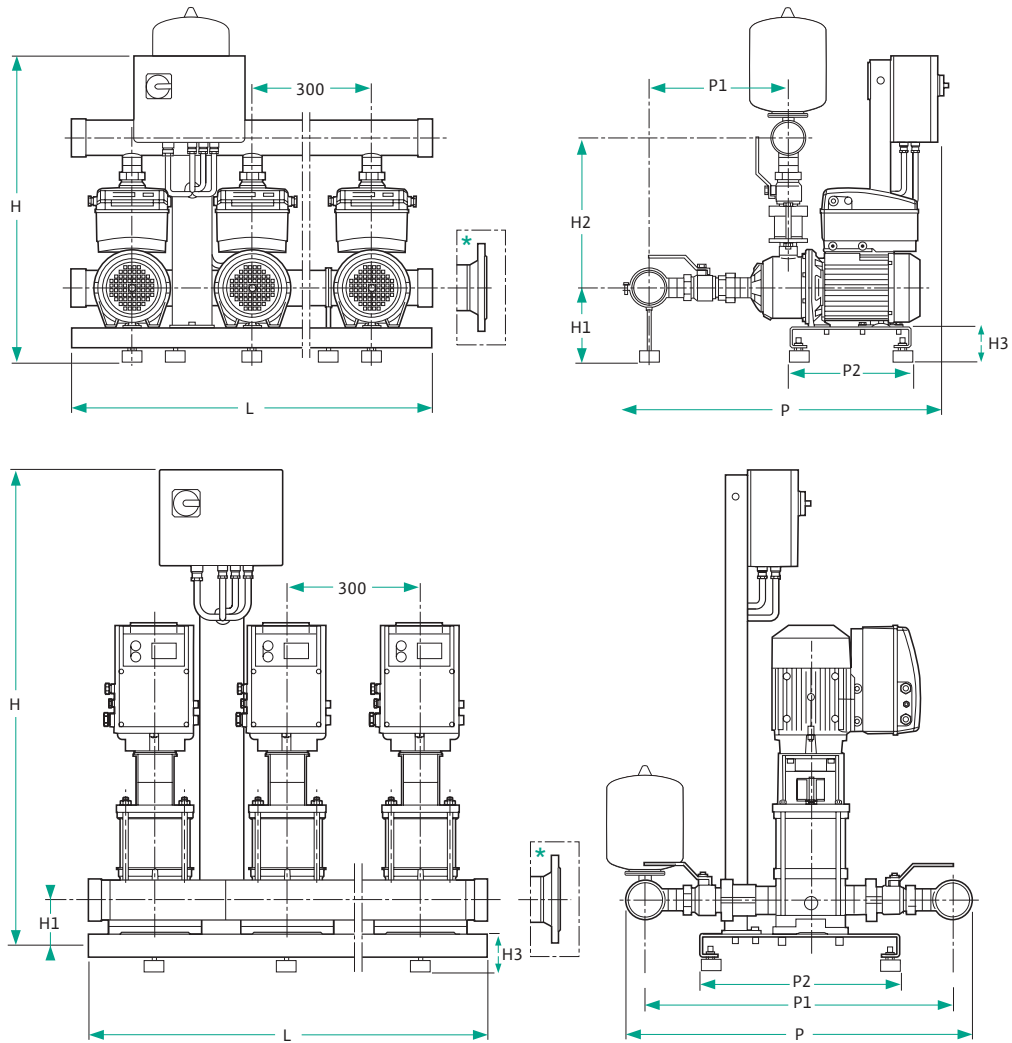


Wilco-Comfort-Vario COR-2 to COR-3 MVIE 806/EBMS



Wilco-Comfort-Vario COR-2 to COR-3 MVIE 1603/EBMS





MODEL REF	MAX RATING		DIMENSIONS IN MM								
	P2 Kw	In Amp	L	P	P1	P2	H	H1	H2	H3	X&Y
COR 2MHIE205/EBMS	2.2	6.4	600	750	310	300	760	180	344	90	2" BSP
COR 2MHIE403/EBMS	2.2	6.4	600	750	310	300	760	180	344	90	2" BSP
COR 2MHIE406/EBMS	4.4	12.6	600	750	358	300	760	190	344	90	2" BSP
COR 2MHIE803/EBMS	4.4	10.8	600	810	352	300	760	190	382	90	3" BSP
COR 2MHIE1602/EBMS	4.4	12.6	600	830	372	300	760	190	382	90	4" PN16
COR 3MHIE205/EBMS	3.3	9.6	900	750	310	300	890	180	344	90	2" BSP
COR 3MHIE403/EBMS	3.3	9.6	900	750	310	300	890	180	344	90	2" BSP
COR 3MHIE406/EBMS	6.6	18.9	900	750	358	300	890	190	344	90	2" BSP
COR 3MHIE803/EBMS	6.6	16.2	900	810	352	300	890	190	382	90	3" BSP
COR 3MHIE1602/EBMS	6.6	18.9	900	830	372	300	890	190	382	90	4" PN16
COR 2MVIE208/EBMS	4.4	12.2	600	656	596	300	1070	140	-	90	2" BSP
COR 2MVIE403/EBMS	2.2	6.4	600	656	596	300	1070	140	-	90	2" BSP
COR 2MVIE406/EBMS	4.4	12.4	600	656	596	300	1070	140	-	90	2" BSP
COR 2MVIE803/EBMS	4.4	11.4	600	789	700	450	1070	170	-	90	3" BSP
COR 2MVIE806/EBMS	8.0	20.2	600	789	700	450	1070	170	-	90	3" BSP
COR 2MVIE1603/EBMS	8.0	18.4	600	802	713	450	1070	180	-	90	3" BSP
COR 3MVIE208/EBMS	6.6	18.3	900	656	596	300	1070	140	-	90	2" BSP
COR 3MVIE403/EBMS	3.3	9.6	900	656	596	300	1070	140	-	90	2" BSP
COR 3MVIE406/EBMS	6.6	18.6	900	656	596	300	1070	140	-	90	2" BSP
COR 3MVIE803/EBMS	6.6	17.1	900	789	700	450	1070	170	-	90	3" BSP
COR 3MVIE806/EBMS	12.0	30.3	900	789	700	450	1070	170	-	90	3" BSP
COR 3MVIE1603/EBMS	12.0	27.6	900	943	743	450	1070	180	-	90	4" PN16



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