

Pioneering for You

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Wilo Philippines – Product Catalogue – Edition 2018

Pressure Boosting Systems

Pumps and Pump Systems for
Building Services, Industry and Water Management



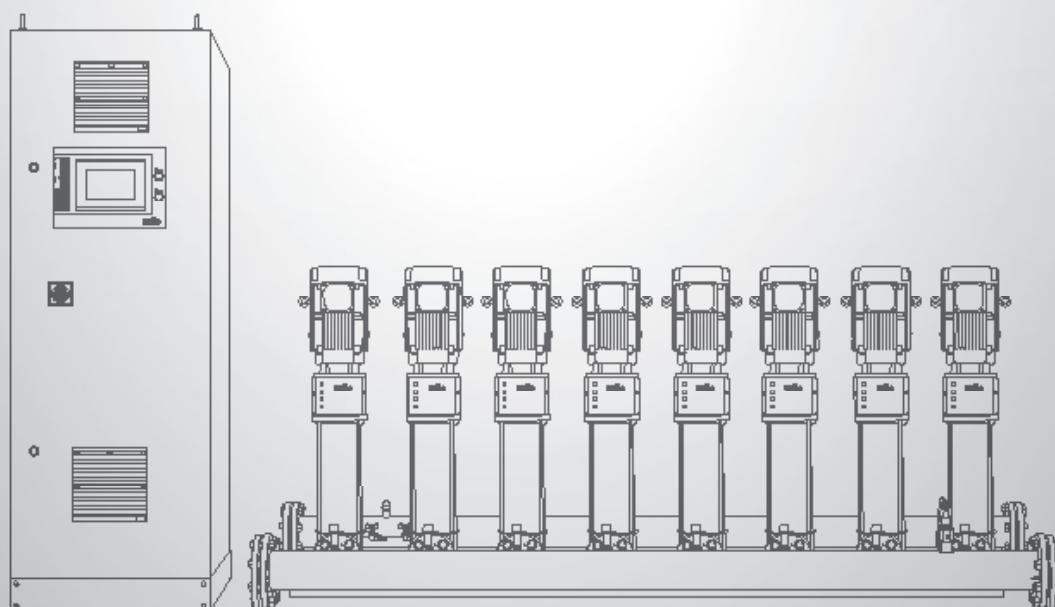
**THE FUTURE IS
NOW.**

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Pioneering for You

Pressure Boosting Systems

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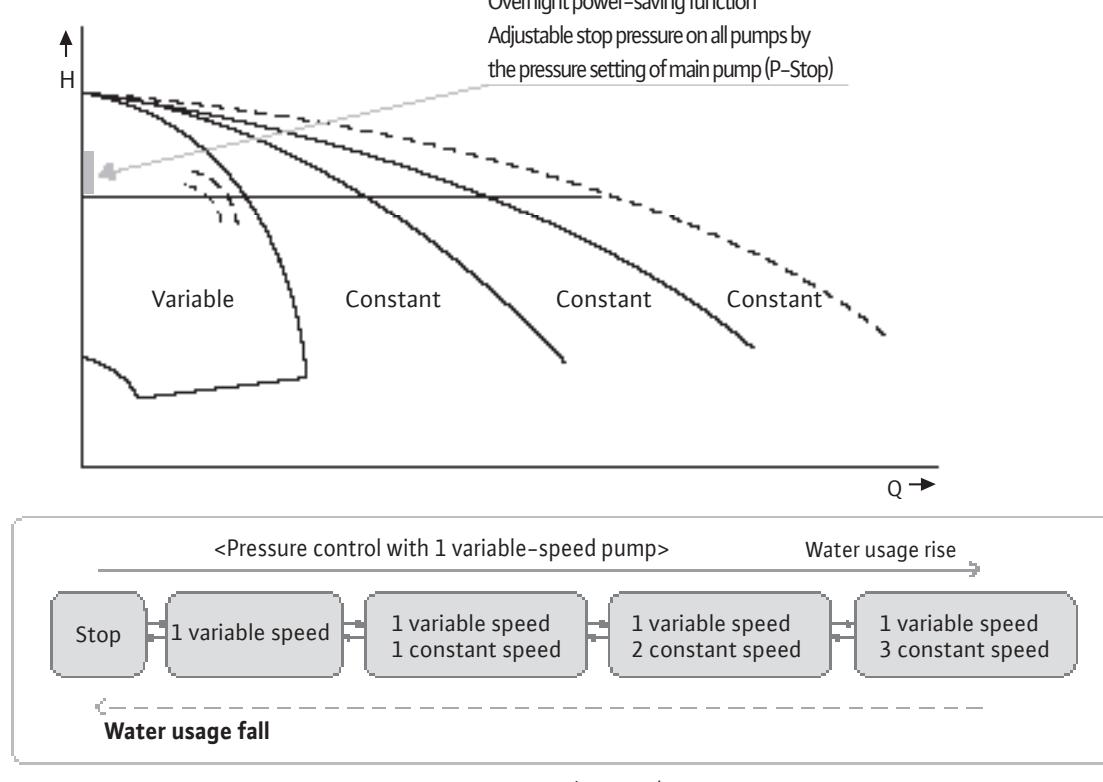


Pressure Boosting Systems

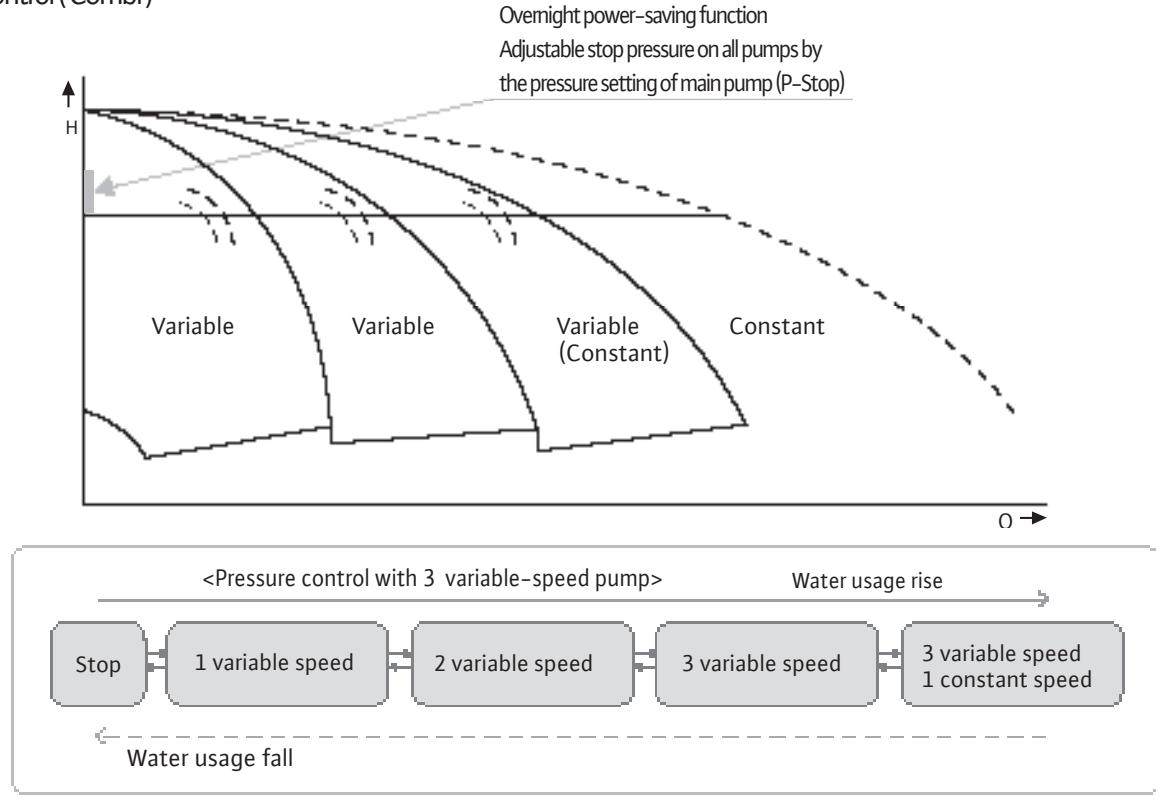
Booster Systems

Technical Information

Inverter Control (Uni)



Inverter Control (Combi)

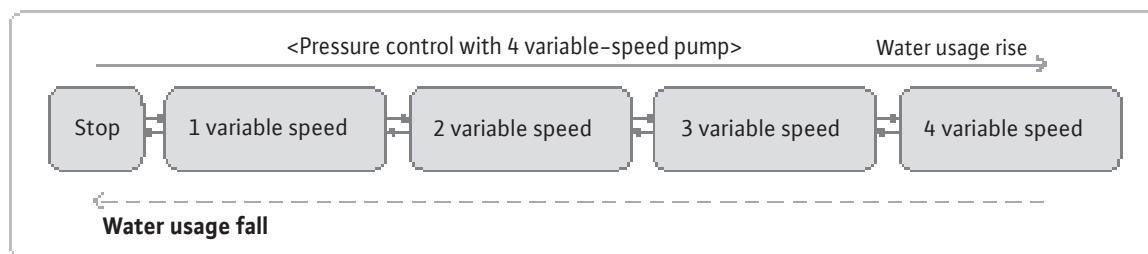
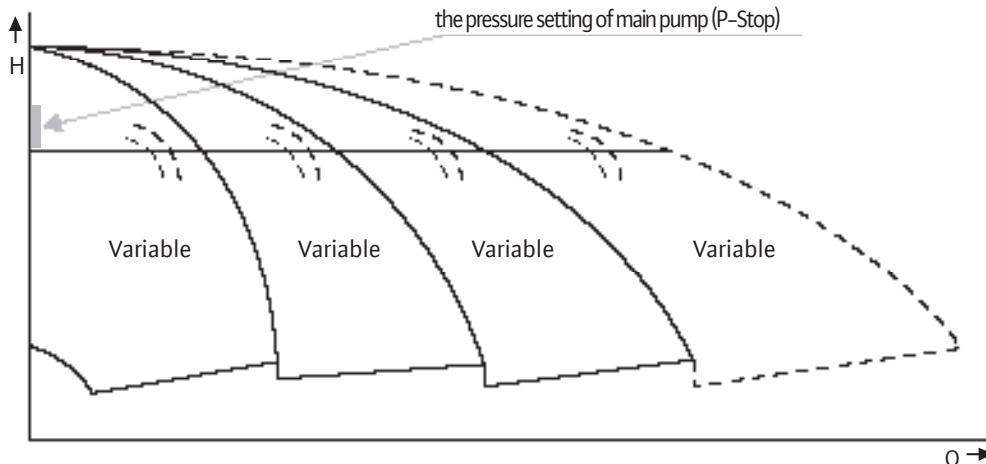


Booster Systems

Technical Information

Inverter Control (Multi)

Overnight power-saving function
Adjustable stop pressure on all pumps by the pressure setting of main pump (P-Stop)



Multi-type Operation Logic (4 Inverter/4 Pump system)

Comparison Table

Control type	Uni	Combi	Multi
Comparison	2~8 pumps 1 inverter >> 1 variable speed 1~7 constant speed	2~6 pumps 2~3 inverter >> 2~3 variable speed 3~6 constant speed	2~8 pumps 2~8 inverter >> 2~8 variable speed
Features	Maintaining the set pressure with 1 variable-speed pump and other constant-speed pumps	Maintaining the set pressure with variable pump and other constant-speed pumps	Maintaining the set pressure with all variable -speed pumps
Application	New building, apartment, factory	Remodelling of old building, apartment factory Direct water supply (for smooth pressure change)	For precise pressure control (factory process line) Direct water supply (site with pressure fluctuation)

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Technical Information



Intuitive operation via 7 inches full-color touch screen display, VFD-controllable booster system with maximum 8 inverter pumps

* Image may differ from actual product.

Application

- Direct water supply, with frequent pressure fluctuation
- Buildings with large engine room and limited personnel
- Sites with many different operation points

Fluid

- Potable/living/cooling water
- Water for firefighting sprinkler
- Clean water without any sludge or particles

Technical data

- Max. capacity: 1360 m³/hr
- Max. head: ~290 m
- Number of pumps: 2~8 units
- Max. fluid temperature: 70°C
- Max. ambient temperature: 40°C
- Power supply: 3 Ph, 220 V, 60 Hz
3 Ph, 380 V, 60 Hz
3 Ph, 460 V, 60 Hz
- Voltage tolerance: ±10 %

Type Key

WHB _____ WHBM _____ 3 _____ 3 _____ H226 _____ -3 _____

WHB
(Wilo-HiBoost Booster
Systems)
M : Multi Wilo-HiBoost
C : Combi Wilo-HiBoost
U : Uni Wilo-HiBoost
S : Solo Wilo-HiBoost
H : Hybrid Wilo-HiBoost
V : Vario Wilo-HiBoost

Power Supply
No. of pumps

Pump name
No. of inverters

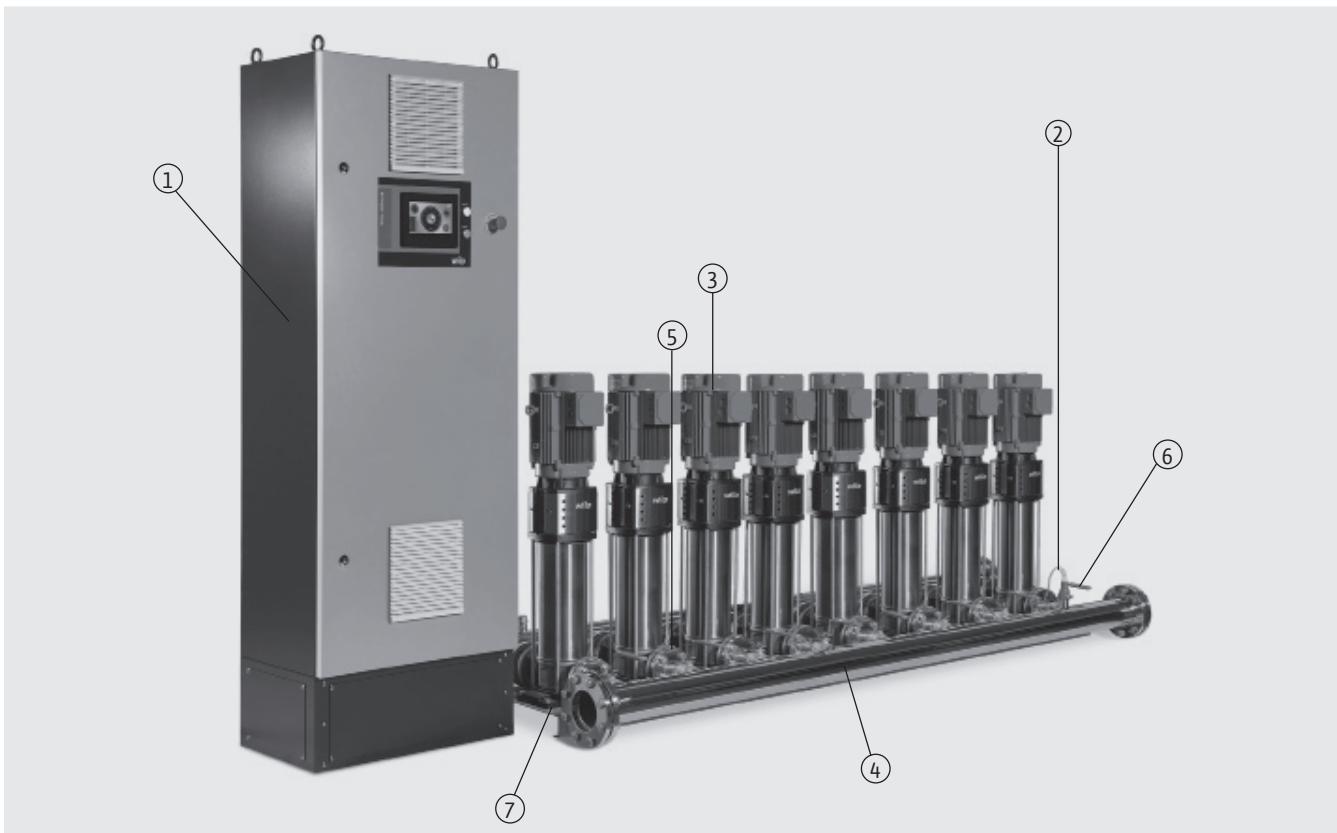
Pressure Boosting Systems

Wilo-HiBoost Series

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Wilo-HiBoost Series

Components



① Control panel with outstanding controllability and self-protection functions

- System functions controlled by ECU
- Various operational/protective functions
- Various options available
- Module designing of each components
- Motor protection

② Semiconductor pressure transmitter applied

With the pressure transmitter, smooth operation is realized without the difference of pressure caused by parallel operation

③ Market-proven vertical multistage pumps

Minimized loss and optimized performance due to high grade stainless steel

④ Manifold

Compact design
Pipe-supporting structure for high flow or high head model
SS304 Stainless Steel

⑤ Check Valve

Corrosion resistance
SS304 Stainless Steel

⑥ Isolating Valve

Corrosion resistance
SS304 Stainless Steel

⑦ Bed

SS(Structure Steel) bed for high flow model

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

01

Energy-saving

Energy-efficient and low noise operation due to optimization for each service environment

- Energy-saving and low noise operation
- No need to start at low flow

02

Stable system

Stable supply system due to quick adjustment for condition change

- Back-up controller
- Auto/Manual restoration
- Main/Aux. transmitter



03

Easy system control

Easy and simple system control & monitoring

- 7-inch touch screen, dual mode display
- Setup wizard and help function
- Real time indication of operating proportion

04

Effective maintenance

Available for remote control and big data analysis through Wilo data server(only available in Korea)

- Remote control system
- Data recording
- Failure log
- Black box function

Pressure Boosting Systems

Wilo-HiBoost Series

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Wilo-HiBoost Series

Main Features

Energy-Saving



Energy-saving operation

- Due to inverter, it controls the speed of pump by automatically setting the suitable frequency for each operating condition, thus making it possible for energy-saving operation when running at lower frequency
- Function of optimized operation setting for each and every different site condition enables it to run more efficiently



Low noise

- Frequency cut-in line setting fit for the operating condition makes it possible to run quietly
- It can expand the optimal operating range of selected pump and make it keep quiet



Inverter systems

- It maintains optimal operating point even at low flow or shut off range, due to automated calculation of micro computer

Stable system



Backup controller

It's dual controller type (HMI outside & PCU+G31 controller inside the panel) enables to indicate current pressure/error/setting pressure and start & stop setting with PCU+G31 controller even if HMI is malfunctioning



Automatic/Manual restoration

After power recovery from outage, system restores the original status automatically or restart manually. This function enables to protect the whole building system or critical factory process from getting damaged from sudden load increase.



Main/Auxiliary transmitter

Main and auxiliary transmitters prevent from system suspension and provide stable water supply

Easy system control



7-inch HD color screen display

With familiar android OS and analog gauge images, it makes user for easier viewing and monitoring.

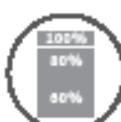
Easy handling and verifying through dual mode display

- 
- Easy mode and standard mode
 - Dual mode display for user preference
 - Improved handling and monitoring
 - Simple screen design



Setup wizard and help function

Help is ready for every function and installation of the system, and step-by-step basic checklist and setting are provided for user-friendliness



Indication of operating proportion

Each pump's operation ratio is indicated in a pie graph, and the system prevents from load concentration at particular pump by automatic alternation

Effective maintenance



Remote control (only available in Korea)

User can connect from smartphone or PC to Wilo Data server to control or monitor the booster system and check past operation record



Data recording

Every set value, operation data, operation mode are saved in non-volatile memory so that all data are kept safe, even from outage



Easy maintenance from failure logging

- Up to 255 failures could be saved for easy maintenance and optimal condition



Black box

All events(start, stop, setting change, failure, etc.) are monitored and recorded in real time, and before/after status of each events are indicated in a graph and saved in external memory(SD Card) so that security and failure cause could be decided/analyzed

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series		Functions
Various energy saving, self-diagnos,remote control functions		
	Wilo-HiBoost Series	Features
Control	Multi functional inverter control	High functional and precise micro-computer control, able to choose appropriate control mode suitable for site condition
Pump	Vertical multistage pump	Less space occupancy due to small installation area
Sensor	Contactless Pressure Transmitter	Contactless type, with high reliability and long lifetime
Detail functions		Descriptions
Optimum point of additional start		When operating below set pressure, it calculates the saturation power and decide whether to start additional pump, thus preventing from unnecessary operation and saving energy and lifetime
Inverter pump at optimum speed		At transition area of additional start/stop, inverter pump speed is maintained in optimum condition to minimize pressure hunting and fluctuation.
Real-time indication of load factor		Current load factor of the pumps comprising the booster system are indicated in real-time so that user can directly identify the operation condition.
Unit conversion		Various unit conversion for pressure and power is available for user-friendly function.
Standby pump		Pre-set standby pump works only when one of main pumps break down.
Alternating Operation		Pump with least operating hours starts first and stop last for balanced load distribution to each pump.
Max. pressure setting		Pump works in limited condition when unexpected high pressure reaches max. set pressure in order protect the pipe and system and operate safely.
Min. pressure setting		System is protected from continual operation when unexpected low pressure (such as pump/pipe leakage) reaches min. set pressure.
Alarm for abnormal low pressure		When discharge pressure does not reach the starting pressure, it generates alarm or stops the operation in order to prevent from leakage on discharge pipe or dry running in suction side
Controlling sequential time		Pump operation time could be set when operating pump is added/reduced.
Trial run		When a certain pump has not been operated for a certain period of time, it will run the pump occasionally to prevent from getting stuck and generating air.
Individual running		Each pump could be switched between automatic and manual and run individually (WHBU / WHBC Series)
Skipping		If certain pump breaks down, it would be excluded in operation logic
Dry running protection		To prevent dry running at suction side, pressure switch or transmitters send signal, and it will stop when dry running is detected more than 5 times
Automatic activation		After power cut and back, the system will automatically start. [or manually if set].
Data backup		Operation setting/data/mode are automatically saved in non-volatile memory to prevent from losing them when unexpected blackout occurs.
Setting/Operation menu lock		For system security, only basic settings can be changed before entering the password
Reverse proportional operation		By means of PID control, it controls number of operating pumps and frequency if operating parameters are different from pre-set parameters.
Compensation of friction loss		Pressure drop due to friction loss and activation of secondary pumps will be compensated automatically
Schedule operation		Starting pressure could be set differently by month / day / time /season.
Preset operation		Start/stop of system could be preset on required time.
Frequent start limit		When pump starts more frequently than pre-set minimum start per hour, it generates alarm to prevent from shortening the lifetime
External communication control		System could be controlled externally by equipment using RS-485 communication.
External set pressure control		Set pressure could be controlled externally
Reduced operation		In case of power shortage, system reduces the operation level to a certain point in order to relieve the load and run in stable condition.
Protection from low-level water		When low water-level is detected from the tank at suction side, system stops itself to prevent from any dry running.
Pipe-fill		To protect pipe from sudden pressure, it detects the pipe pressure and decide whether to start slowly.
Failure analysis		When a pump fails, it distinguishes whether the failure is coming from inverter or pump thus making it easier for maintenance
Operation rate indication		Operation rate of the system is saved in SD card and indicated by graph in real time or any required time(by day, week, month, year)
Flow rate indication		Flow rate from flowmeter is saved in SD card and indicated by graph in real time or any required time (by day, week, month, year) – optional
Power consumption indication		Power consumption from watthour meter is saved in SD card and indicated by graph in real time or any required time(by day, week, month, year) – optional
Screen capture		Indicated graphs of pressure/operation rate/flow/power consumption could be captured and saved in SD card.
Inverter load balance		Inverter with least operating hours starts first and stop last for balanced load distribution to each inverter.
Voice alarm		Important factors such as failure are indicated on display and also by voice alarm so that user recognizes the situation faster.
Trouble shooting indication		When failure occurs, details and trouble shooting are indicated on display to correspond the situation easily.

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Wilo-HiBoost Series

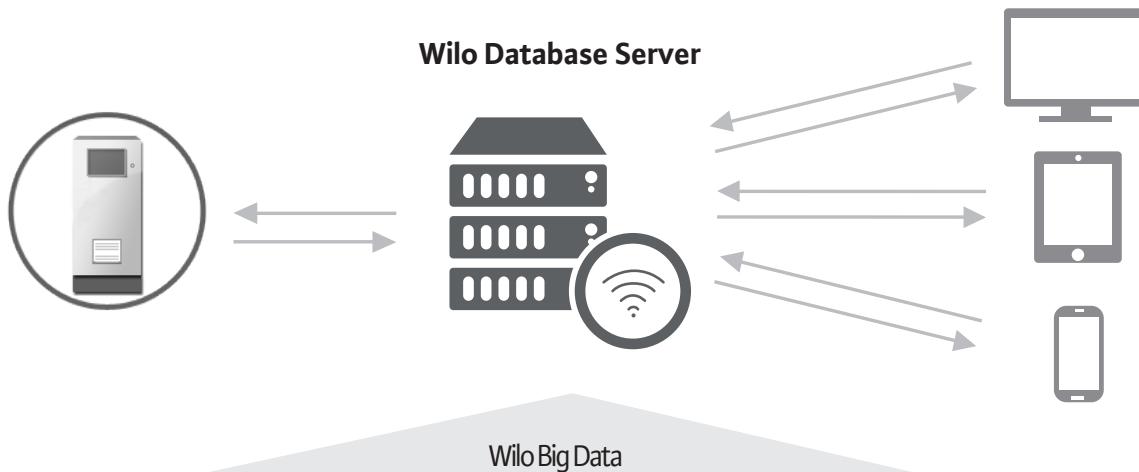
Wilo-HiBoost Series

Special Feature

Wilo Remote Control System (only available in Korea)

You can monitor and control the system anytime, anywhere by smartphone, tablet PC, or computer. You can receive alarm and deal with it right away when there is system failure or any event occurred.

No additional communication module or cable connection is required; internet is directly connected to control panel to use Wilo Remote Control System.



Wilo Big Data

Massive data such as system operation info, power use info, failure and service history are all accumulated in Wilo Database Server, and various analysis become possible based on this Big Data. With this collected and analysed Bid Data, Wilo provides optimum condition, stable operation, Energy saving, customized premium maintenance of the system

<Data collection and accumulation>



Power use data



Operation data
(set value, pressure, flow, etc)



Failure and service history



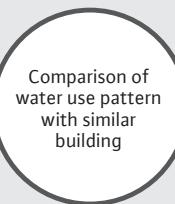
<Data extraction and analysis>



Pattern of power
use of building and
maximum power
use analysis



Real time analysis
of water use
pattern
of building



Comparison of
water use pattern
with similar
building



Root cause
analysis and
service history
management



- Optimum setting
- Energy saving
- Stable operation data extraction
- Premium operation and maintenance

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

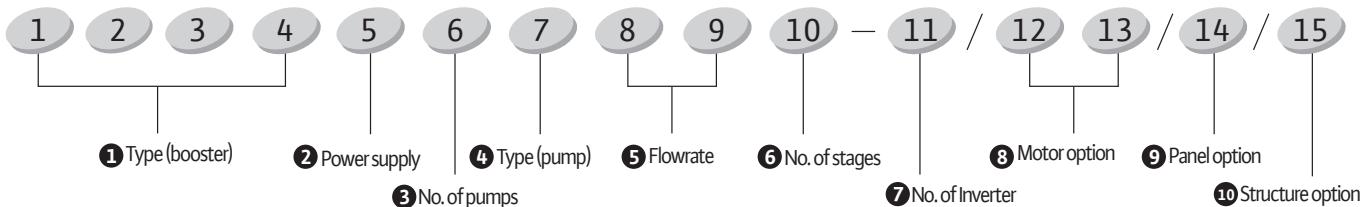
Introduction

Features and Performance

Control type	Speed control (Single-Inverter, Combi-Inverter, Multi-Inverter control)
Pump	Vertical Multistage Pump
Power supply	3Ph, 380V, 60Hz (Options available) (Panel : 1Ph, 220V, 60Hz)
Pressure sensor	Contactless pressure transmitter
Permissible liquid	Clean water (0°C~70°C)
Controllable pump	2~8 pumps

Installation	→ Location : Indoor → Operation temperature : 0°C~40°C → Storage temperature : -10°C~50°C → Humidity : Max. RH 85%
Panel	→ Auto/Manual run → Self-protection → Emergency operation → Indication of status → Built-in output terminal in the event of failure → Inverter control

Model Description



① Type (booster)

Type	Description
WHBU	Wilo-Hiboost,Uni
WHBC	Wilo-Hiboost,Combi
WHBM	Wilo-Hiboost,Multi

② Power supply

Type	Power
2	220 V, 60 Hz
3	380 V, 60 Hz
4	440 V, 60 Hz
5	460 V, 60 Hz
6	480 V, 60 Hz

③ No of pumps

Type	Quantity
2	2 set
3	3 set
4	4 set
5	5 set
6	6 set
7	7 set
8	8 set

④ Type (pump)

Type	Description
H	Helix V series
M	MVI Series

⑤ Flowrate

According to pump series

⑥ No. of stages

Type	Stage
01	1
02	2
03	3
04	4
05	5
06	6
07	7
08	8
09	9

⑦ No of inverter

Type	Option
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

⑧ Motor option

Type	Option
E2	IE2 Efficiency
E3	IE3 Efficiency
G3	Explosion proof

⑨ Panel option

Type	Option
S	Stainless steel
R	EOCR (Electronic Over Current Relay)
L	ELCB for each
Z	Alarm Buzzer

⑩ Structure option

Type	Option
1	1 step expansion of suction manifold
2	1 step expansion of discharge manifold
3	STS 304 Bed
I	Insulated bolt
T	SS Bed (section steel)

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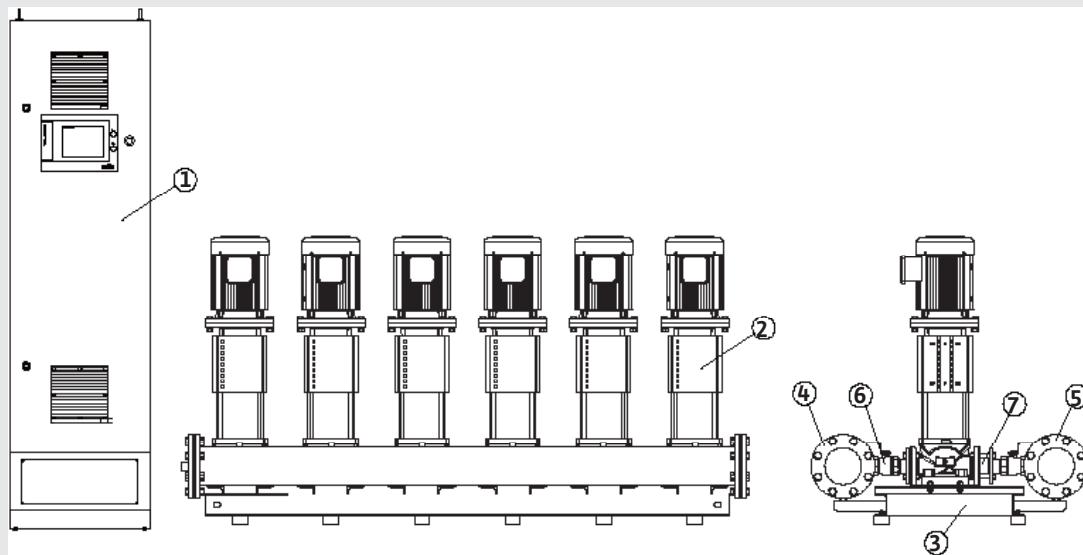
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Wilo-HiBoost Series

Wilo-HiBoost Series

Information

Diagram



- Parts**
- ① Control Panel
 - ② Vertical Multistage Pumps
 - ③ Bed
 - ④ Manifold suction

- ⑤ Manifold-discharge
- ⑥ Isolating valve
- ⑦ Check valve

*Image may differ from actual product

No. of pumps

Type	Helix V2 Series				MVI2 Series				Helix V4 Series				MVI4 Series							
Diameter	DN25				DN25				DN25				DN32							
Quantity	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps
Manifold diameter	50A		65A			50A		65A			50A	65A		80A		100A	50A	65A	80A	100A

Type	Helix V6 Series				Helix V10 / MVI8 Series				Helix V16 Series				Helix V22 Series							
Diameter	DN32				DN40				DN50				DN50							
Quantity	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps
Manifold diameter	65A	80A		100A		80A		100A			80A	100A		125A		150A	125A		150A	

Type	Helix V36 Series				Helix V52 Series				MVI 90 Series				MVI 125 Series							
Diameter	DN65				DN80				DN100				DN100							
Quantity	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps	2Pumps	3Pumps	4Pumps	5Pumps	6Pumps
Manifold diameter	150A		200A			150A	200A		250A		200A	250A		300A		250A	300A		350A	

*For condition of pressure loss at suction side (long or bent pipes) or flow fluctuation, please use larger diameter than pump suction diameter.

*For manifold diameter above 7 pumps, please contact us.

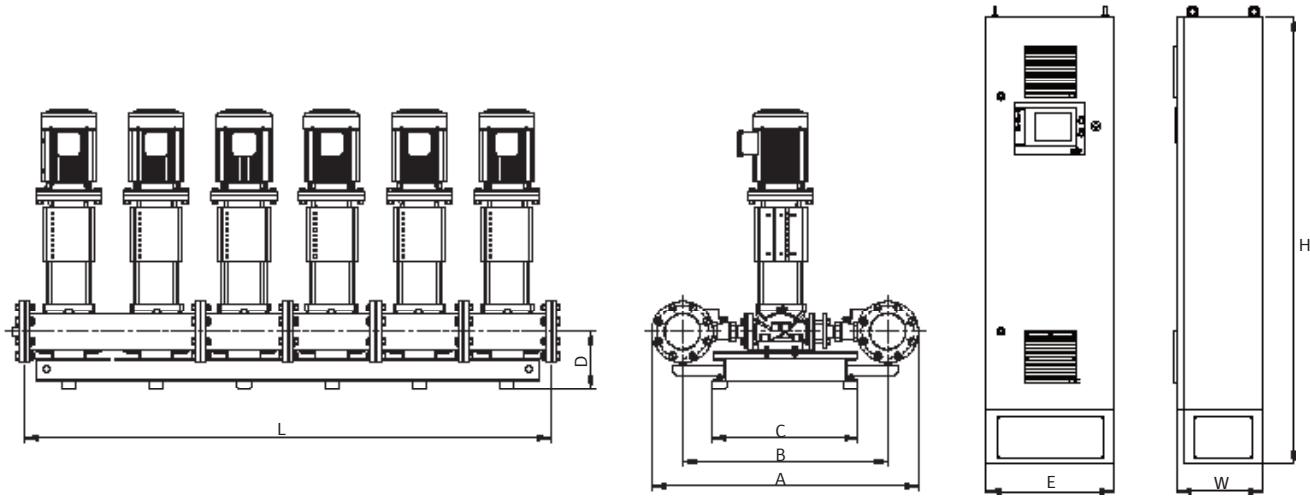
Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension_Wilo-HiBoost



Dimension and electric data_Wilo-HiBoost Helix V2 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V202	700	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
Helix V203	700	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
Helix V204	700	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
Helix V205	700	854	699	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
Helix V206	700	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V207	700	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V208	700	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V209	700	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V210	700	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V211	700	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V212	700	854	699	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
Helix V213	700	854	699	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
Helix V214	700	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V216	700	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V218	700	854	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4
Helix V220	700	859	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4
Helix V222	700	859	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

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Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V2 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V202	1000	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
Helix V203	1000	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
Helix V204	1000	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
Helix V205	1000	854	699	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
Helix V206	1000	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V207	1000	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V208	1000	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V209	1000	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V210	1000	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V211	1000	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V212	1000	854	699	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
Helix V213	1000	854	699	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
Helix V214	1000	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V216	1000	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V218	1000	854	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4
Helix V220	1000	859	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4
Helix V222	1000	859	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4

Dimension and electric data _ Wilo-HiBoost Helix V2 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V202	1300	889	714	445	185	600	1000	400	400	1550	1700	0.55	2.8	1.6
Helix V203	1300	889	714	445	185	600	1000	400	400	1550	1700	0.55	2.8	1.6
Helix V204	1300	889	714	445	185	600	1000	400	400	1550	1700	0.55	2.8	1.6
Helix V205	1300	889	714	445	185	600	1000	400	400	1550	1700	0.75	3.1	1.9
Helix V206	1300	889	714	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6
Helix V207	1300	889	714	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6
Helix V208	1300	889	714	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6
Helix V209	1300	889	714	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2
Helix V210	1300	889	714	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2
Helix V211	1300	889	714	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2
Helix V212	1300	889	714	445	185	600	1000	400	400	1550	1700	1.85	6.6	3.8
Helix V213	1300	889	714	445	185	600	1000	400	400	1550	1700	1.85	6.6	3.8
Helix V214	1300	889	714	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
Helix V216	1300	889	714	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
Helix V218	1300	889	714	445	185	600	1000	400	400	1550	1700	3.0	11	6.4
Helix V220	1300	902	714	445	185	600	1000	400	400	1550	1700	3.0	11	6.4
Helix V222	1300	902	714	445	185	600	1000	400	400	1550	1700	3.0	11	6.4

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V2 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ
Helix V202	1600	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
Helix V203	1600	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
Helix V204	1600	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
Helix V205	1600	889	714	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
Helix V206	1600	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V207	1600	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V208	1600	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V209	1600	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V210	1600	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V211	1600	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V212	1600	889	714	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
Helix V213	1600	889	714	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
Helix V214	1600	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V216	1600	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V218	1600	889	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4
Helix V220	1600	902	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4
Helix V222	1600	902	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4

Dimension and electric data _ Wilo-HiBoost Helix V2 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ
Helix V202	1900	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
Helix V203	1900	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
Helix V204	1900	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
Helix V205	1900	889	714	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
Helix V206	1900	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V207	1900	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V208	1900	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V209	1900	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V210	1900	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V211	1900	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V212	1900	889	714	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
Helix V213	1900	889	714	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
Helix V214	1900	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V216	1900	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V218	1900	889	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4
Helix V220	1900	902	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4
Helix V222	1900	902	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V4 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V403	700	854	699	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
Helix V404	700	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V405	700	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V406	700	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V407	700	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V408	700	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V409	700	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V410	700	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V411	700	854	699	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V412	700	854	699	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V413	700	854	699	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V414	700	854	699	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V416	700	854	699	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V418	700	859	699	445	185	600	600	400	400	1550	1700	4	13.9	8
Helix V420	750	859	699	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V422	750	859	699	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5

Dimension and electric data _ Wilo-HiBoost Helix V4 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V403	1000	889	714	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
Helix V404	1000	889	714	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V405	1000	889	714	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V406	1000	889	714	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V407	1000	889	714	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V408	1000	889	714	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V409	1000	889	714	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V410	1000	889	714	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V411	1000	889	714	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V412	1000	889	714	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V413	1000	889	714	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V414	1000	889	714	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V416	1000	889	714	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V418	1000	902	714	445	185	600	600	400	400	1550	1700	4	13.9	8
Helix V420	1100	902	714	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V422	1100	902	714	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V4 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
Helix V403	1300	912	727	445	185	600	1000	400	400	1550	1700	0.75	3.1	1.9
Helix V404	1300	912	727	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6
Helix V405	1300	912	727	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6
Helix V406	1300	912	727	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2
Helix V407	1300	912	727	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2
Helix V408	1300	912	727	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
Helix V409	1300	920	727	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
Helix V410	1300	920	727	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
Helix V411	1300	920	727	445	185	600	1000	400	400	1550	1700	3	11	6.4
Helix V412	1300	920	727	445	185	600	1000	400	400	1550	1700	3	11	6.4
Helix V413	1300	920	727	445	185	600	1000	400	400	1550	1700	3	11	6.4
Helix V414	1300	920	727	445	185	600	1000	400	400	1550	1700	3.7	13.2	7.6
Helix V416	1300	920	727	445	185	600	1000	400	400	1550	1700	3.7	13.2	7.6
Helix V418	1300	925	727	445	185	600	1000	400	400	1550	1700	4	13.9	8
Helix V420	1450	925	727	445	185	600	1000	400	400	1550	1700	5.5	19.9	11.5
Helix V422	1450	925	727	445	185	600	1000	400	400	1550	1700	5.5	19.9	11.5

Dimension and electric data _ Wilo-HiBoost Helix V4 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
Helix V403	1600	912	727	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
Helix V404	1600	912	727	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V405	1600	912	727	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V406	1600	912	727	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V407	1600	912	727	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V408	1600	912	727	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V409	1600	920	727	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V410	1600	920	727	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V411	1600	920	727	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V412	1600	920	727	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V413	1600	920	727	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V414	1600	920	727	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V416	1600	920	727	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V418	1600	925	727	445	185	600	1000	400	400	2000	1700	4	13.9	8
Helix V420	1800	925	727	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V422	1800	925	727	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V4 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V403	1900	962	752	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
Helix V404	1900	962	752	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V405	1900	962	752	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V406	1900	962	752	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V407	1900	962	752	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V408	1900	962	752	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V409	1900	970	752	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V410	1900	970	752	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V411	1900	970	752	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V412	1900	970	752	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V413	1900	970	752	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V414	1900	970	752	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V416	1900	970	752	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V418	1900	977	752	445	185	600	1000	400	400	2000	1700	4	13.9	8
Helix V420	2150	977	752	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V422	2150	977	752	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5

Dimension and electric data _ Wilo-HiBoost Helix V6 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V602	700	915	740	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
Helix V603	700	915	740	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V604	700	915	740	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V605	700	915	740	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
Helix V606	700	915	740	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V607	700	915	740	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V608	700	915	740	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V609	700	915	740	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V610	700	915	740	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V611	700	915	740	445	185	600	600	400	400	1550	1700	4	13.9	8
Helix V612	750	915	740	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V614	750	915	740	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V616	750	928	740	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V617	750	928	740	445	185	600	600	400	400	1550	1700	7.5	-	14.6
Helix V619	750	928	740	445	185	600	600	400	400	1550	1700	7.5	-	14.6

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V6 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ
Helix V602	1000	938	753	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
Helix V603	1000	938	753	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
Helix V604	1000	938	753	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V605	1000	938	753	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
Helix V606	1000	938	753	445	185	600	600	400	400	1550	1700	2.2	8	4.6
Helix V607	1000	938	753	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V608	1000	946	753	445	185	600	600	400	400	1550	1700	3	11	6.4
Helix V609	1000	946	753	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V610	1000	946	753	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V611	1000	946	753	445	185	600	600	400	400	1550	1700	4	13.9	8
Helix V612	1100	946	753	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V614	1100	946	753	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V616	1100	951	753	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V617	1100	951	753	445	185	600	600	400	400	1550	1700	7.5	-	14.6
Helix V619	1100	951	753	445	185	600	600	400	400	1550	1700	7.5	-	14.6

Dimension and electric data _ Wilo-HiBoost Helix V6 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ
Helix V602	1300	988	778	445	185	600	1000	400	400	1550	1700	0.75	3.1	1.9
Helix V603	1300	988	778	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6
Helix V604	1300	988	778	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2
Helix V605	1300	988	778	445	185	600	1000	400	400	1550	1700	1.85	6.6	3.8
Helix V606	1300	988	778	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
Helix V607	1300	988	778	445	185	600	1000	400	400	1550	1700	3	11	6.4
Helix V608	1300	996	778	445	185	600	1000	400	400	1550	1700	3	11	6.4
Helix V609	1300	996	778	445	185	600	1000	400	400	1550	1700	3.7	13.2	7.6
Helix V610	1300	996	778	445	185	600	1000	400	400	1550	1700	3.7	13.2	7.6
Helix V611	1300	996	778	445	185	600	1000	400	400	1550	1700	4	13.9	8
Helix V612	1450	996	778	445	185	600	1000	400	400	1550	1700	5.5	19.9	11.5
Helix V614	1450	996	778	445	185	600	1000	400	400	1550	1700	5.5	19.9	11.5
Helix V616	1450	1003	778	445	185	600	1000	400	400	1550	1700	5.5	19.9	11.5
Helix V617	1450	1003	778	445	185	600	1000	400	400	1550	1700	7.5	-	14.6
Helix V619	1450	1003	778	445	185	600	1000	400	400	1550	1700	7.5	-	14.6

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V6 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V602	1600	988	778	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
Helix V603	1600	988	778	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V604	1600	988	778	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V605	1600	988	778	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
Helix V606	1600	988	778	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V607	1600	988	778	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V608	1600	996	778	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V609	1600	996	778	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V610	1600	996	778	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V611	1600	996	778	445	185	600	1000	400	400	2000	1700	4	13.9	8
Helix V612	1800	996	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V614	1800	996	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V616	1800	1003	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V617	1800	1003	778	445	185	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V619	1800	1003	778	445	185	600	1000	400	400	2000	1700	7.5	-	14.6

Dimension and electric data _ Wilo-HiBoost Helix V6 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V602	1900	988	778	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
Helix V603	1900	988	778	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
Helix V604	1900	988	778	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V605	1900	988	778	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
Helix V606	1900	988	778	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V607	1900	988	778	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V608	1900	996	778	445	185	600	1000	400	400	2000	1700	3	11	6.4
Helix V609	1900	996	778	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V610	1900	996	778	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V611	1900	996	778	445	185	600	1000	400	400	2000	1700	4	13.9	8
Helix V612	2150	996	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V614	2150	996	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V616	2150	1003	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V617	2150	1003	778	445	185	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V619	2150	1003	778	445	185	600	1000	400	400	2000	1700	7.5	-	14.6

**For *values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V10 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
Helix V1002	700	995	810	445	190	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V1003	700	995	810	445	190	600	600	400	400	1550	1700	2.2	8	4.6
Helix V1004	700	995	810	445	190	600	600	400	400	1550	1700	3	11	6.4
Helix V1005	700	995	810	445	190	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V1006	700	995	810	445	190	600	600	400	400	1550	1700	4	13.9	8
Helix V1007	750	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1008	750	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1009	750	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1010	750	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1011	750	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1012	800	1003	810	445	190	600	700	400	400	2100	1900	9	-	17
Helix V1014	800	1008	810	525	250	600	700	400	400	2100	1900	9	-	17
Helix V1016	800	1008	810	525	250	600	700	400	400	2100	1900	11	-	20.4
Helix V1017	800	1008	810	525	250	600	700	400	400	2100	1900	11	-	20.4

Dimension and electric data _ Wilo-HiBoost Helix V10 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
Helix V1002	1000	995	810	445	190	600	600	400	400	1550	1700	1.5	5.5	3.2
Helix V1003	1000	995	810	445	190	600	600	400	400	1550	1700	2.2	8	4.6
Helix V1004	1000	995	810	445	190	600	600	400	400	1550	1700	3	11	6.4
Helix V1005	1000	995	810	445	190	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V1006	1000	995	810	445	190	600	600	400	400	1550	1700	4	13.9	8
Helix V1007	1100	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1008	1100	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1009	1100	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1010	1100	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1011	1100	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1012	1200	1003	810	445	190	600	700	400	400	2100	1900	9	-	17
Helix V1014	1200	1008	810	525	250	600	700	400	400	2100	1900	9	-	17
Helix V1016	1200	1008	810	525	250	600	700	400	400	2100	1900	11	-	20.4
Helix V1017	1200	1008	810	525	250	600	700	400	400	2100	1900	11	-	20.4

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V10 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V1002	1300	1020	810	445	190	600	1000	400	400	1550	1700	1.5	5.5	3.2
Helix V1003	1300	1020	810	445	190	600	1000	400	400	1550	1700	2.2	8	4.6
Helix V1004	1300	1020	810	445	190	600	1000	400	400	1550	1700	3	11	6.4
Helix V1005	1300	1020	810	445	190	600	1000	400	400	1550	1700	3.7	13.2	7.6
Helix V1006	1300	1020	810	445	190	600	1000	400	400	1550	1700	4	13.9	8
Helix V1007	1450	1028	810	445	190	600	1000	400	400	1550	1700	5.5	19.9	11.5
Helix V1008	1450	1028	810	445	190	600	1000	400	400	1550	1700	5.5	19.9	11.5
Helix V1009	1450	1028	810	445	190	600	1000	400	400	1550	1700	5.5	19.9	11.5
Helix V1010	1450	1028	810	445	190	600	1000	400	400	1550	1700	7.5	-	14.6
Helix V1011	1450	1028	810	445	190	600	1000	400	400	1550	1700	7.5	-	14.6
Helix V1012	1600	1028	810	445	190	600	1200	400	400	2100	1750	9	-	17
Helix V1014	1600	1035	810	525	250	600	1200	400	400	2100	1750	9	-	17
Helix V1016	1600	1035	810	525	250	600	1200	400	400	2100	1750	11	-	20.4
Helix V1017	1600	1035	810	525	250	600	1200	400	400	2100	1750	11	-	20.4

Dimension and electric data _ Wilo-HiBoost Helix V10 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ
Helix V1002	1600	1020	810	445	190	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V1003	1600	1020	810	445	190	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V1004	1600	1020	810	445	190	600	1000	400	400	2000	1700	3	11	6.4
Helix V1005	1600	1020	810	445	190	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V1006	1600	1020	810	445	190	600	1000	400	400	2000	1700	4	13.9	8
Helix V1007	1800	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V1008	1800	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V1009	1800	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V1010	1800	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V1011	1800	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V1012	2000	1028	810	445	190	900	1200	400	400	2100	1750	9	-	17
Helix V1014	2000	1035	810	525	250	900	1200	400	400	2100	1750	9	-	17
Helix V1016	2000	1035	810	525	250	900	1200	400	400	2100	1750	11	-	20.4
Helix V1017	2000	1035	810	525	250	900	1200	400	400	2100	1750	11	-	20.4

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series											Dimension and electric data		
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Dimension and electric data _ Wilo-HiBoost Helix V10 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
Helix V1002	1900	1020	810	445	190	600	1000	400	400	2000	1700	1.5	5.5	3.2
Helix V1003	1900	1020	810	445	190	600	1000	400	400	2000	1700	2.2	8	4.6
Helix V1004	1900	1020	810	445	190	600	1000	400	400	2000	1700	3	11	6.4
Helix V1005	1900	1020	810	445	190	600	1000	400	400	2000	1700	3.7	13.2	7.6
Helix V1006	1900	1020	810	445	190	600	1000	400	400	2000	1700	4	13.9	8
Helix V1007	2150	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V1008	2150	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V1009	2150	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
Helix V1010	2150	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V1011	2150	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V1012	2400	1028	810	445	190	900	1200	400	400	2100	1750	9	-	17
Helix V1014	2400	1035	810	525	250	900	1200	400	400	2100	1750	9	-	17
Helix V1016	2400	1035	810	525	250	900	1200	400	400	2100	1750	11	-	20.4
Helix V1017	2400	1035	810	525	250	900	1200	400	400	2100	1750	11	-	20.4

Dimension and electric data _ Wilo-HiBoost Helix V16 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
Helix V1602	720	1137	952	445	200	600	600	400	400	1550	1700	3	11	6.4
Helix V1603	720	1137	952	445	200	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V1604	750	1137	952	445	200	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1605	750	1137	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1606	750	1145	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1607	800	1145	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V1608	800	1145	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V1609	800	1145	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V1611	800	1180	982	650	260	600	700	400	400	2100	1900	15	-	27.8
Helix V1613	800	1180	982	650	260	600	700	400	400	2100	1900	18.5	-	34

Dimension and electric data _ Wilo-HiBoost Helix V16 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
Helix V1602	1040	1162	952	445	200	600	600	400	400	1550	1700	3	11	6.4
Helix V1603	1040	1162	952	445	200	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V1604	1100	1162	952	445	200	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V1605	1100	1162	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1606	1100	1170	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V1607	1200	1170	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V1608	1200	1170	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V1609	1200	1170	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V1611	1200	1207	982	650	260	600	700	400	400	2100	1900	15	-	27.8
Helix V1613	1200	1207	982	650	260	600	700	400	400	2100	1900	18.5	-	34

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V16 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHB	WHBM	WHB	WHBM	WHB	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
Helix V1602	1360	1202	952	445	200	600	1000	400	400	1550	1700	3	11	6.4	
Helix V1603	1360	1202	952	445	200	600	1000	400	400	1550	1700	3.7	13.2	7.6	
Helix V1604	1450	1202	952	445	200	600	1000	400	400	1550	1700	5.5	19.9	11.5	
Helix V1605	1450	1202	952	445	200	600	1000	400	400	1550	1700	7.5	-	14.6	
Helix V1606	1450	1212	952	445	200	600	1000	400	400	1550	1700	7.5	-	14.6	
Helix V1607	1600	1212	952	445	200	600	1200	400	400	2100	1750	11	-	20.4	
Helix V1608	1600	1212	952	445	200	600	1200	400	400	2100	1750	11	-	20.4	
Helix V1609	1600	1212	952	445	200	600	1200	400	400	2100	1750	11	-	20.4	
Helix V1611	1600	1245	982	650	260	600	1200	400	400	2100	1750	15	-	27.8	
Helix V1613	1600	1245	982	650	260	900	1200	400	400	2100	1750	18.5	-	34	

Dimension and electric data _ Wilo-HiBoost Helix V16 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHB	WHBM	WHB	WHBM	WHB	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
Helix V1602	1680	1202	952	445	200	600	1000	400	400	2000	1700	3	11	6.4	
Helix V1603	1680	1202	952	445	200	600	1000	400	400	2000	1700	3.7	13.2	7.6	
Helix V1604	1800	1202	952	445	200	600	1000	400	400	2000	1700	5.5	19.9	11.5	
Helix V1605	1800	1202	952	445	200	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V1606	1800	1212	952	445	200	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V1607	2000	1212	952	445	200	900	1200	400	400	2100	1750	11	-	20.4	
Helix V1608	2000	1212	952	445	200	900	1200	400	400	2100	1750	11	-	20.4	
Helix V1609	2000	1212	952	445	200	900	1200	400	400	2100	1750	11	-	20.4	
Helix V1611	2000	1245	982	650	260	900	1200	400	400	2100	1750	15	-	27.8	
Helix V1613	2000	1245	982	650	260	1300	1200	400	400	2100	1750	18.5	-	34	

Dimension and electric data _ Wilo-HiBoost Helix V16 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHB	WHBM	WHB	WHBM	WHB	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
Helix V1602	2000	1202	952	445	200	600	1000	400	400	2000	1700	3	11	6.4	
Helix V1603	2000	1202	952	445	200	600	1000	400	400	2000	1700	3.7	13.2	7.6	
Helix V1604	2150	1202	952	445	200	600	1000	400	400	2000	1700	5.5	19.9	11.5	
Helix V1605	2150	1202	952	445	200	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V1606	2150	1212	952	445	200	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V1607	2400	1212	952	445	200	900	1200	400	400	2100	1750	11	-	20.4	
Helix V1608	2400	1212	952	445	200	900	1200	400	400	2100	1750	11	-	20.4	
Helix V1609	2400	1212	952	445	200	900	1200	400	400	2100	1750	11	-	20.4	
Helix V1611	2400	1245	982	650	260	1300	1200	400	400	2100	1750	15	-	27.8	
Helix V1613	2400	1245	982	650	260	1300	1200	400	400	2100	1750	18.5	-	34	

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V22 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUs	WHBMs	WHBUs	WHBMs	WHBUs	WHBMs	(kW)	220V, 3Φ	380V, 3Φ
Helix V2202/2	720	1202	952	445	200	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V2202	750	1202	952	445	200	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V2203/3	750	1202	952	445	200	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V2203	750	1202	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V2204/3	750	1202	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V2205/2	800	1212	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V2205/1	800	1212	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V2206	800	1212	952	445	200	600	700	400	400	2100	1900	15	-	27.8
Helix V2207/2	800	1212	952	445	200	600	700	400	400	2100	1900	15	-	27.8
Helix V2208	800	1245	982	650	260	600	700	400	400	2100	1900	18.5	-	34
Helix V2209	900	1245	982	650	260	600	700	400	400	2100	1900	22	-	40
Helix V2210/3	900	1245	982	650	260	600	700	400	400	2100	1900	22	-	40
Helix V2210	900	1245	982	650	260	600	700	400	400	2100	1900	22	-	40
Helix V2211	1000	1245	982	650	260	*	*	*	*	*	*	30	-	55.1

Dimension and electric data _ Wilo-HiBoost Helix V22 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUs	WHBMs	WHBUs	WHBMs	WHBUs	WHBMs	(kW)	220V, 3Φ	380V, 3Φ
Helix V2202/2	1040	1232	952	445	200	600	600	400	400	1550	1700	3.7	13.2	7.6
Helix V2202	1100	1232	952	445	200	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V2203/3	1100	1232	952	445	200	600	600	400	400	1550	1700	5.5	19.9	11.5
Helix V2203	1100	1232	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V2204/3	1100	1232	952	445	200	600	600	400	400	1550	1700	7.5	-	14.6
Helix V2205/2	1200	1245	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V2205/1	1200	1245	952	445	200	600	700	400	400	2100	1900	11	-	20.4
Helix V2206	1200	1245	952	445	200	600	700	400	400	2100	1900	15	-	27.8
Helix V2207/2	1200	1245	952	445	200	600	700	400	400	2100	1900	15	-	27.8
Helix V2208	1200	1285	982	650	260	600	700	400	400	2100	1900	18.5	-	34
Helix V2209	1400	1285	982	650	260	600	700	400	400	2100	1900	22	-	40
Helix V2210/3	1400	1285	982	650	260	600	700	400	400	2100	1900	22	-	40
Helix V2210	1400	1285	982	650	260	600	700	400	400	2100	1900	22	-	40
Helix V2211	1600	1285	982	650	260	*	*	*	*	*	*	30	-	55.1

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V22 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ	
Helix V2202/2	1360	1232	952	445	200	600	1000	400	400	1550	1700	3.7	13.2	7.6	
Helix V2202	1450	1232	952	445	200	600	1000	400	400	1550	1700	5.5	19.9	11.5	
Helix V2203/3	1450	1232	952	445	200	600	1000	400	400	1550	1700	5.5	19.9	11.5	
Helix V2203	1450	1232	952	445	200	600	1000	400	400	1550	1700	7.5	-	14.6	
Helix V2204/3	1450	1232	952	445	200	600	1000	400	400	1550	1700	7.5	-	14.6	
Helix V2205/2	1600	1245	952	445	200	600	1200	400	400	2100	1750	11	-	20.4	
Helix V2205/1	1600	1245	952	445	200	600	1200	400	400	2100	1750	11	-	20.4	
Helix V2206	1600	1245	952	445	200	600	1200	400	400	2100	1750	15	-	27.8	
Helix V2207/2	1600	1245	952	445	200	600	1200	400	400	2100	1750	15	-	27.8	
Helix V2208	1600	1285	982	650	260	900	1200	400	400	2100	1750	18.5	-	34	
Helix V2209	1900	1285	982	650	260	900	1200	400	400	2100	1750	22	-	40	
Helix V2210/3	1900	1285	982	650	260	900	1200	400	400	2100	1750	22	-	40	
Helix V2210	1900	1285	982	650	260	900	1200	400	400	2100	1750	22	-	40	
Helix V2211	2200	1285	982	650	260	*	*	*	*	*	*	*	30	-	55.1

Dimension and electric data _ Wilo-HiBoost Helix V22 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ	
Helix V2202/2	1680	1282	952	650	260	600	1000	400	400	2000	1700	3.7	13.2	7.6	
Helix V2202	1800	1282	952	650	260	600	1000	400	400	2000	1700	5.5	19.9	11.5	
Helix V2203/3	1800	1282	952	650	260	600	1000	400	400	2000	1700	5.5	19.9	11.5	
Helix V2203	1800	1282	952	650	260	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V2204/3	1800	1282	952	650	260	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V2205/2	2000	1292	952	650	260	900	1200	400	400	2100	1750	11	-	20.4	
Helix V2205/1	2000	1292	952	650	260	900	1200	400	400	2100	1750	11	-	20.4	
Helix V2206	2000	1292	952	650	260	900	1200	400	400	2100	1750	15	-	27.8	
Helix V2207/2	2000	1292	952	650	260	900	1200	400	400	2100	1750	15	-	27.8	
Helix V2208	2000	1332	982	650	260	1300	1200	400	400	2100	1750	18.5	-	34	
Helix V2209	2400	1332	982	650	260	1300	1200	400	400	2100	1750	22	-	40	
Helix V2210/3	2400	1332	982	650	260	1300	1200	400	400	2100	1750	22	-	40	
Helix V2210	2400	1332	982	650	260	1300	1200	400	400	2100	1750	22	-	40	
Helix V2211	2800	1332	982	650	260	*	*	*	*	*	*	*	30	-	55.1

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V22 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
Helix V2202/2	2000	1282	952	650	260	600	1000	400	400	2000	1700	3.7	13.2	7.6	
Helix V2202	2150	1282	952	650	260	600	1000	400	400	2000	1700	5.5	19.9	11.5	
Helix V2203/3	2150	1282	952	650	260	600	1000	400	400	2000	1700	5.5	19.9	11.5	
Helix V2203	2150	1282	952	650	260	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V2204/3	2150	1282	952	650	260	600	1000	400	400	2000	1700	7.5	-	14.6	
Helix V2205/2	2400	1292	952	650	260	900	1200	400	400	2100	1750	11	-	20.4	
Helix V2205/1	2400	1292	952	650	260	900	1200	400	400	2100	1750	11	-	20.4	
Helix V2206	2400	1292	952	650	260	1300	1200	400	400	2100	1750	15	-	27.8	
Helix V2207/2	2400	1292	952	650	260	1300	1200	400	400	2100	1750	15	-	27.8	
Helix V2208	2400	1332	982	650	260	1300	1200	400	400	2100	1750	18.5	-	34	
Helix V2209	2900	1332	982	650	260	1300	1200	400	400	2100	1750	22	-	40	
Helix V2210/3	2900	1332	982	650	260	1300	1200	400	400	2100	1750	22	-	40	
Helix V2210	2900	1332	982	650	260	1300	1200	400	400	2100	1750	22	-	40	
Helix V2211	3400	1332	982	650	260	*	*	*	*	*	*	*	30	-	55.1

Dimension and electric data _ Wilo-HiBoost Helix V36 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
Helix V3602/2	1000	1703	1423	1000	300	600	600	400	400	1550	1700	7.5	-	14.6	
Helix V3602/1	1000	1703	1423	1000	300	600	700	400	400	2100	1900	9	-	17	
Helix V3602	1000	1703	1423	1000	300	600	700	400	400	2100	1900	11	-	20.4	
Helix V3603/2	1000	1703	1423	1000	300	600	700	400	400	2100	1900	15	-	27.8	
Helix V3603	1000	1716	1423	1000	300	600	700	400	400	2100	1900	15	-	27.8	
Helix V3604/2	1000	1716	1423	1000	300	600	700	400	400	2100	1900	18.5	-	34	
Helix V3604	1000	1716	1423	1000	300	600	700	400	400	2100	1900	22	-	40	
Helix V3605/2	1000	1716	1423	1000	300	600	700	400	400	2100	1900	22	-	40	
Helix V3605	1100	1716	1423	1000	300	*	*	*	*	*	*	*	30	-	55.1
Helix V3606/2	1100	1726	1423	1000	300	*	*	*	*	*	*	*	30	-	55.1
Helix V3606	1100	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607/2	1100	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607/1	1100	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607	1100	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3608/2	1100	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V36 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ	
Helix V3602/2	1500	1703	1423	1000	300	600	600	400	400	1550	1700	7.5	-	14.6	
Helix V3602/1	1500	1703	1423	1000	300	600	700	400	400	2100	1900	9	-	17	
Helix V3602	1500	1703	1423	1000	300	600	700	400	400	2100	1900	11	-	20.4	
Helix V3603/2	1500	1703	1423	1000	300	600	700	400	400	2100	1900	15	-	27.8	
Helix V3603	1500	1716	1423	1000	300	600	700	400	400	2100	1900	15	-	27.8	
Helix V3604/2	1500	1716	1423	1000	300	900	700	400	400	2100	1900	18.5	-	34	
Helix V3604	1500	1716	1423	1000	300	900	700	400	400	2100	1900	22	-	40	
Helix V3605/2	1500	1716	1423	1000	300	*	*	*	*	*	*	*	*	40	
Helix V3605	1700	1716	1423	1000	300	*	*	*	*	*	*	*	30	-	55.1
Helix V3606/2	1700	1726	1423	1000	300	*	*	*	*	*	*	*	30	-	55.1
Helix V3606	1700	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607/2	1700	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607/1	1700	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607	1700	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3608/2	1700	1726	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2

Dimension and electric data _ Wilo-HiBoost Helix V36 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	(kW)	220V, 3Φ	380V, 3Φ	
Helix V3602/2	2000	1753	1423	1000	300	600	1000	400	400	1550	1700	7.5	-	14.6	
Helix V3602/1	2000	1753	1423	1000	300	600	1200	400	400	2100	1750	9	-	17	
Helix V3602	2000	1753	1423	1000	300	600	1200	400	400	2100	1750	11	-	20.4	
Helix V3603/2	2000	1753	1423	1000	300	600	1200	400	400	2100	1750	15	-	27.8	
Helix V3603	2000	1763	1423	1000	300	600	1200	400	400	2100	1750	15	-	27.8	
Helix V3604/2	2000	1763	1423	1000	300	900	1200	400	400	2100	1750	18.5	-	34	
Helix V3604	2000	1763	1423	1000	300	900	1200	400	400	2100	1750	22	-	40	
Helix V3605/2	2000	1763	1423	1000	300	900	1200	400	400	2100	1750	22	-	40	
Helix V3605	2300	1763	1423	1000	300	*	*	*	*	*	*	*	30	-	55.1
Helix V3606/2	2300	1773	1423	1000	300	*	*	*	*	*	*	*	30	-	55.1
Helix V3606	2300	1773	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607/2	2300	1773	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607/1	2300	1773	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3607	2300	1773	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2
Helix V3608/2	2300	1773	1423	1000	300	*	*	*	*	*	*	*	37	-	67.2

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series										Dimension and electric data			
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Dimension and electric data _ Wilo-HiBoost Helix V36 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUs	WHBMs	WHBUs	WHBMs	WHBUs	WHBMs	Power P ₂	Rated current(A)	
Helix V3602/2	2500	1753	1423	1000	300	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V3602/1	2500	1753	1423	1000	300	900	1200	400	400	2100	1750	9	-	17
Helix V3602	2500	1753	1423	1000	300	900	1200	400	400	2100	1750	11	-	20.4
Helix V3603/2	2500	1753	1423	1000	300	900	1200	400	400	2100	1750	15	-	27.8
Helix V3603	2500	1763	1423	1000	300	900	1200	400	400	2100	1750	15	-	27.8
Helix V3604/2	2500	1763	1423	1000	300	1300	1200	400	400	2100	1750	18.5	-	34
Helix V3604	2500	1763	1423	1000	300	1300	1200	400	400	2100	1750	22	-	40
Helix V3605/2	2500	1763	1423	1000	300	1300	1200	400	400	2100	1750	22	-	40
Helix V3605	2900	1763	1423	1000	300	*	*	*	*	*	*	30	-	55.1
Helix V3606/2	2900	1773	1423	1000	300	*	*	*	*	*	*	30	-	55.1
Helix V3606	2900	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3607/2	2900	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3607/1	2900	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3607	2900	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3608/2	2900	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2

Dimension and electric data _ Wilo-HiBoost Helix V36 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUs	WHBMs	WHBUs	WHBMs	WHBUs	WHBMs	Power P ₂	Rated current(A)	
Helix V3602/2	3000	1753	1423	1000	300	600	1000	400	400	2000	1700	7.5	-	14.6
Helix V3602/1	3000	1753	1423	1000	300	900	1200	400	400	2100	1750	9	-	17
Helix V3602	3000	1753	1423	1000	300	900	1200	400	400	2100	1750	11	-	20.4
Helix V3603/2	3000	1753	1423	1000	300	1300	1200	400	400	2100	1750	15	-	27.8
Helix V3603	3000	1763	1423	1000	300	1300	1200	400	400	2100	1750	15	-	27.8
Helix V3604/2	3000	1763	1423	1000	300	1300	1200	400	400	2100	1750	18.5	-	34
Helix V3604	3000	1763	1423	1000	300	1300	1200	400	400	2100	1750	22	-	40
Helix V3605/2	3000	1763	1423	1000	300	1300	1200	400	400	2100	1750	22	-	40
Helix V3605	3500	1763	1423	1000	300	*	*	*	*	*	*	30	-	55.1
Helix V3606/2	3500	1773	1423	1000	300	*	*	*	*	*	*	30	-	55.1
Helix V3606	3500	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3607/2	3500	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3607/1	3500	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3607	3500	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2
Helix V3608/2	3500	1773	1423	1000	300	*	*	*	*	*	*	37	-	67.2

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost Helix V52 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHB	WBM	WHB	WBM	WHB	WBM	(kW)	220V, 3Φ	380V, 3Φ
						Power P ₂	Rated current(A)							
Helix V5202/1	1000	1904	1624	1190	335	600	700	400	400	2100	1900	11	-	20.4
Helix V5202	1000	1904	1624	1190	335	600	700	400	400	2100	1900	15	-	27.8
Helix V5203/2	1000	1904	1624	1190	335	600	700	400	400	2100	1900	18.5	-	34
Helix V5203	1000	1917	1624	1190	335	600	700	400	400	2100	1900	22	-	40
Helix V5204/2	1000	1917	1624	1190	335	600	700	400	400	2100	1900	22	-	40
Helix V5204	1100	1917	1624	1190	335	*	*	*	*	*	*	*	*	30
Helix V5205/2	1100	1917	1624	1190	335	*	*	*	*	*	*	*	*	30
Helix V5205	1100	1927	1624	1190	335	*	*	*	*	*	*	*	*	37
Helix V5206/2	1100	1927	1624	1190	335	*	*	*	*	*	*	*	*	37
Helix V5206	1100	1927	1624	1190	335	*	*	*	*	*	*	*	*	45
Helix V5207/2	1100	1927	1624	1190	335	*	*	*	*	*	*	*	*	45
Helix V5207	1100	1927	1624	1190	335	*	*	*	*	*	*	*	*	83

Dimension and electric data _ Wilo-HiBoost Helix V52 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHB	WBM	WHB	WBM	WHB	WBM	(kW)	220V, 3Φ	380V, 3Φ
						Power P ₂	Rated current(A)							
Helix V5202/1	1500	1954	1624	1190	335	600	700	400	400	2100	1900	11	-	20.4
Helix V5202	1500	1954	1624	1190	335	600	700	400	400	2100	1900	15	-	27.8
Helix V5203/2	1500	1954	1624	1190	335	600	700	400	400	2100	1900	18.5	-	34
Helix V5203	1500	1964	1624	1190	335	600	700	400	400	2100	1900	22	-	40
Helix V5204/2	1500	1964	1624	1190	335	600	700	400	400	2100	1900	22	-	40
Helix V5204	1700	1964	1624	1190	335	*	*	*	*	*	*	*	*	30
Helix V5205/2	1700	1964	1624	1190	335	*	*	*	*	*	*	*	*	30
Helix V5205	1700	1974	1624	1190	335	*	*	*	*	*	*	*	*	37
Helix V5206/2	1700	1974	1624	1190	335	*	*	*	*	*	*	*	*	37
Helix V5206	1700	1974	1624	1190	335	*	*	*	*	*	*	*	*	45
Helix V5207/2	1700	1974	1624	1190	335	*	*	*	*	*	*	*	*	45
Helix V5207	1700	1974	1624	1190	335	*	*	*	*	*	*	*	*	83

Dimension and electric data _ Wilo-HiBoost Helix V52 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHB	WBM	WHB	WBM	WHB	WBM	(kW)	220V, 3Φ	380V, 3Φ
						Power P ₂	Rated current(A)							
Helix V5202/1	2000	2024	1624	1190	335	600	1200	400	400	2100	1750	11	-	20.4
Helix V5202	2000	2024	1624	1190	335	600	1200	400	400	2100	1750	15	-	27.8
Helix V5203/2	2000	2024	1624	1190	335	900	1200	400	400	2100	1750	18.5	-	34
Helix V5203	2000	2039	1624	1190	335	900	1200	400	400	2100	1750	22	-	40
Helix V5204/2	2000	2039	1624	1190	335	900	1200	400	400	2100	1750	22	-	40
Helix V5204	2300	2039	1624	1190	335	*	*	*	*	*	*	*	*	30
Helix V5205/2	2300	2039	1624	1190	335	*	*	*	*	*	*	*	*	30
Helix V5205	2300	2049	1624	1190	335	*	*	*	*	*	*	*	*	37
Helix V5206/2	2300	2049	1624	1190	335	*	*	*	*	*	*	*	*	37
Helix V5206	2300	2049	1624	1190	335	*	*	*	*	*	*	*	*	45
Helix V5207/2	2300	2049	1624	1190	335	*	*	*	*	*	*	*	*	45
Helix V5207	2300	2049	1624	1190	335	*	*	*	*	*	*	*	*	83

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series										Dimension and electric data				
Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WBU	WBM	WBU	WBM	WBU	WBM	Power P ₂	Rated current(A)	
						(kW)	220V, 3Φ	380V, 3Φ						
Helix V5202/1	2500	2024	1624	1190	335	900	1200	400	400	2100	1750	11	-	20.4
Helix V5202	2500	2024	1624	1190	335	900	1200	400	400	2100	1750	15	-	27.8
Helix V5203/2	2500	2024	1624	1190	335	1300	1200	400	400	2100	1750	18.5	-	34
Helix V5203	2500	2039	1624	1190	335	1300	1200	400	400	2100	1750	22	-	40
Helix V5204/2	2500	2039	1624	1190	335	1300	1200	400	400	2100	1750	22	-	40
Helix V5204	2900	2039	1624	1190	335	*	*	*	*	*	*	30	-	55.1
Helix V5205/2	2900	2039	1624	1190	335	*	*	*	*	*	*	30	-	55.1
Helix V5205	2900	2049	1624	1190	335	*	*	*	*	*	*	37	-	67.2
Helix V5206/2	2900	2049	1624	1190	335	*	*	*	*	*	*	37	-	67.2
Helix V5206	2900	2049	1624	1190	335	*	*	*	*	*	*	45	-	83
Helix V5207/2	2900	2049	1624	1190	335	*	*	*	*	*	*	45	-	83
Helix V5207	2900	2049	1624	1190	335	*	*	*	*	*	*	45	-	83

Dimension and electric data _ Wilo-HiBoost Helix V52 (6 pumps)														
Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WBU	WBM	WBU	WBM	WBU	WBM	Power P ₂	Rated current(A)	
						(kW)	220V, 3Φ	380V, 3Φ						
Helix V5202/1	3000	2024	1624	1166	360	900	1200	400	400	2100	1750	11	-	20.4
Helix V5202	3000	2024	1624	1166	360	1300	1200	400	400	2100	1750	15	-	27.8
Helix V5203/2	3000	2024	1624	1166	360	1300	1200	400	400	2100	1750	18.5	-	34
Helix V5203	3000	2039	1624	1166	360	1300	1200	400	400	2100	1750	22	-	40
Helix V5204/2	3000	2039	1624	1166	360	1300	1200	400	400	2100	1750	22	-	40
Helix V5204	3500	2039	1624	1166	360	*	*	*	*	*	*	30	-	55.1
Helix V5205/2	3500	2039	1624	1166	360	*	*	*	*	*	*	30	-	55.1
Helix V5205	3500	2049	1624	1166	360	*	*	*	*	*	*	37	-	67.2
Helix V5206/2	3500	2049	1624	1166	360	*	*	*	*	*	*	37	-	67.2
Helix V5206	3500	2049	1624	1166	360	*	*	*	*	*	*	45	-	83
Helix V5207/2	3500	2049	1624	1166	360	*	*	*	*	*	*	45	-	83
Helix V5207	3500	2049	1624	1166	360	*	*	*	*	*	*	45	-	83

Dimension and electric data _ Wilo-HiBoost MVI 2 (2 pumps)														
Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WBU	WBM	WBU	WBM	WBU	WBM	Power P ₂	Rated current(A)	
						(kW)	220V, 3Φ	380V, 3Φ						
MVI202	700	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
MVI203	700	854	699	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
MVI204	700	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
MVI205	700	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
MVI206	700	854	699	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
MVI207	700	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
MVI208	700	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
MVI210	700	854	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4
MVI212	700	859	699	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
MVI214	700	859	699	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost MVI 2 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		
												(kW)	220V, 3Φ	380V, 3Φ
MVI202	1000	854	699	445	185	600	600	400	400	1550	1700	0.55	2.8	1.6
MVI203	1000	854	699	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
MVI204	1000	854	699	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
MVI205	1000	854	699	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
MVI206	1000	854	699	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
MVI207	1000	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
MVI208	1000	854	699	445	185	600	600	400	400	1550	1700	2.2	8	4.6
MVI210	1000	854	699	445	185	600	600	400	400	1550	1700	3.0	11	6.4
MVI212	1000	859	699	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
MVI214	1000	859	699	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6

Dimension and electric data _ Wilo-HiBoost MVI 2 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		
												(kW)	220V, 3Φ	380V, 3Φ
MVI202	1300	889	714	445	185	600	1000	400	400	1550	1700	0.55	2.8	1.6
MVI203	1300	889	714	445	185	600	1000	400	400	1550	1700	0.75	3.1	1.9
MVI204	1300	889	714	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6
MVI205	1300	889	714	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2
MVI206	1300	889	714	445	185	600	1000	400	400	1550	1700	1.85	6.6	3.8
MVI207	1300	889	714	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
MVI208	1300	889	714	445	185	600	1000	400	400	1550	1700	2.2	8	4.6
MVI210	1300	889	714	445	185	600	1000	400	400	1550	1700	3.0	11	6.4
MVI212	1300	902	714	445	185	600	1000	400	400	1550	1700	3.7	13.2	7.6
MVI214	1300	902	714	445	185	600	1000	400	400	1550	1700	3.7	13.2	7.6

Dimension and electric data _ Wilo-HiBoost MVI 2 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		
												(kW)	220V, 3Φ	380V, 3Φ
MVI202	1600	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
MVI203	1600	889	714	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
MVI204	1600	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
MVI205	1600	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
MVI206	1600	889	714	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
MVI207	1600	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
MVI208	1600	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
MVI210	1600	889	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4
MVI212	1600	902	714	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
MVI214	1600	902	714	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series										Dimension and electric data				
Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUS	WHBM	WHBUS	WHBM	WHBUS	WHBM	Power P ₂	Rated current(A)	
MVI202	1900	889	714	445	185	600	1000	400	400	2000	1700	0.55	2.8	1.6
MVI203	1900	889	714	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9
MVI204	1900	889	714	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6
MVI205	1900	889	714	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2
MVI206	1900	889	714	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8
MVI207	1900	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
MVI208	1900	889	714	445	185	600	1000	400	400	2000	1700	2.2	8	4.6
MVI210	1900	889	714	445	185	600	1000	400	400	2000	1700	3.0	11	6.4
MVI212	1900	902	714	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6
MVI214	1900	902	714	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6

Dimension and electric data _ Wilo-HiBoost MVI 4 (2 pumps)														
Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUS	WHBM	WHBUS	WHBM	WHBUS	WHBM	Power P ₂	Rated current(A)	
MVI402	700	880	725	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
MVI403	700	880	725	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
MVI404	700	880	725	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
MVI405	700	880	725	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
MVI406	700	880	725	445	185	600	600	400	400	1550	1700	2.2	8	4.6
MVI407	700	880	725	445	185	600	600	400	400	1550	1700	3.0	11	6.4
MVI408	700	880	725	445	185	600	600	400	400	1550	1700	3.0	11	6.4
MVI410	700	880	725	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
MVI412	750	880	725	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
MVI414	750	885	725	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5

Dimension and electric data _ Wilo-HiBoost MVI 4 (3 pumps)														
Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUS	WHBM	WHBUS	WHBM	WHBUS	WHBM	Power P ₂	Rated current(A)	
MVI402	1000	915	740	445	185	600	600	400	400	1550	1700	0.75	3.1	1.9
MVI403	1000	915	740	445	185	600	600	400	400	1550	1700	1.1	4.5	2.6
MVI404	1000	915	740	445	185	600	600	400	400	1550	1700	1.5	5.5	3.2
MVI405	1000	915	740	445	185	600	600	400	400	1550	1700	1.85	6.6	3.8
MVI406	1000	915	740	445	185	600	600	400	400	1550	1700	2.2	8	4.6
MVI407	1000	915	740	445	185	600	600	400	400	1550	1700	3.0	11	6.4
MVI408	1000	915	740	445	185	600	600	400	400	1550	1700	3.0	11	6.4
MVI410	1000	915	740	445	185	600	600	400	400	1550	1700	3.7	13.2	7.6
MVI412	1100	915	740	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5
MVI414	1100	928	740	445	185	600	600	400	400	1550	1700	5.5	19.9	11.5

**For *values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost MVI 4 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
MVI402	1300	938	753	445	185	600	1000	400	400	1550	1700	0.75	3.1	1.9	
MVI403	1300	938	753	445	185	600	1000	400	400	1550	1700	1.1	4.5	2.6	
MVI404	1300	938	753	445	185	600	1000	400	400	1550	1700	1.5	5.5	3.2	
MVI405	1300	938	753	445	185	600	1000	400	400	1550	1700	1.85	6.6	3.8	
MVI406	1300	938	753	445	185	600	1000	400	400	1550	1700	2.2	8	4.6	
MVI407	1300	946	753	445	185	600	1000	400	400	1550	1700	3.0	11	6.4	
MVI408	1300	946	753	445	185	600	1000	400	400	1550	1700	3.0	11	6.4	
MVI410	1300	946	753	445	185	600	1000	400	400	1550	1700	3.7	13.2	7.6	
MVI412	1450	946	753	445	185	600	1000	400	400	1550	1700	5.5	19.9	11.5	
MVI414	1450	951	753	445	185	600	1000	400	400	1550	1700	5.5	19.9	11.5	

Dimension and electric data _ Wilo-HiBoost MVI 4 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
MVI402	1600	988	778	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9	
MVI403	1600	988	778	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6	
MVI404	1600	988	778	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2	
MVI405	1600	988	778	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8	
MVI406	1600	988	778	445	185	600	1000	400	400	2000	1700	2.2	8	4.6	
MVI407	1600	996	778	445	185	600	1000	400	400	2000	1700	3.0	11	6.4	
MVI408	1600	996	778	445	185	600	1000	400	400	2000	1700	3.0	11	6.4	
MVI410	1600	996	778	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6	
MVI412	1800	996	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5	
MVI414	1800	1003	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5	

Dimension and electric data _ Wilo-HiBoost MVI 4 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F			
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂		Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ	
MVI402	1900	988	778	445	185	600	1000	400	400	2000	1700	0.75	3.1	1.9	
MVI403	1900	988	778	445	185	600	1000	400	400	2000	1700	1.1	4.5	2.6	
MVI404	1900	988	778	445	185	600	1000	400	400	2000	1700	1.5	5.5	3.2	
MVI405	1900	988	778	445	185	600	1000	400	400	2000	1700	1.85	6.6	3.8	
MVI406	1900	988	778	445	185	600	1000	400	400	2000	1700	2.2	8	4.6	
MVI407	1900	996	778	445	185	600	1000	400	400	2000	1700	3.0	11	6.4	
MVI408	1900	996	778	445	185	600	1000	400	400	2000	1700	3.0	11	6.4	
MVI410	1900	996	778	445	185	600	1000	400	400	2000	1700	3.7	13.2	7.6	
MVI412	2150	996	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5	
MVI414	2150	1003	778	445	185	600	1000	400	400	2000	1700	5.5	19.9	11.5	

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost MVI 8 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUs	WHBM	WHBUs	WHBM	WHBUs	WHBM	Power P ₂	Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ
MVI802	700	995	810	445	190	600	600	400	400	1550	1700	1.5	5.5	3.2
MVI803	700	995	810	445	190	600	600	400	400	1550	1700	2.2	8	4.6
MVI804	700	995	810	445	190	600	600	400	400	1550	1700	3.0	11	6.4
MVI805	700	995	810	445	190	600	600	400	400	1550	1700	3.7	13.2	7.6
MVI806	700	995	810	445	190	600	600	400	400	1550	1700	4.0	13.9	8
MVI807	750	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
MVI808	750	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
MVI810	750	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6
MVI811	750	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6

Dimension and electric data _ Wilo-HiBoost MVI 8 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUs	WHBM	WHBUs	WHBM	WHBUs	WHBM	Power P ₂	Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ
MVI802	1000	995	810	445	190	600	600	400	400	1550	1700	1.5	5.5	3.2
MVI803	1000	995	810	445	190	600	600	400	400	1550	1700	2.2	8	4.6
MVI804	1000	995	810	445	190	600	600	400	400	1550	1700	3.0	11	6.4
MVI805	1000	995	810	445	190	600	600	400	400	1550	1700	3.7	13.2	7.6
MVI806	1000	995	810	445	190	600	600	400	400	1550	1700	4.0	13.9	8
MVI807	1100	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
MVI808	1100	1003	810	445	190	600	600	400	400	1550	1700	5.5	19.9	11.5
MVI810	1100	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6
MVI811	1100	1003	810	445	190	600	600	400	400	1550	1700	7.5	-	14.6

Dimension and electric data _ Wilo-HiBoost MVI 8 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUs	WHBM	WHBUs	WHBM	WHBUs	WHBM	Power P ₂	Rated current(A)	
												(kW)	220V, 3Φ	380V, 3Φ
MVI802	1300	1020	810	445	190	600	1000	400	400	1550	1700	1.5	5.5	3.2
MVI803	1300	1020	810	445	190	600	1000	400	400	1550	1700	2.2	8	4.6
MVI804	1300	1020	810	445	190	600	1000	400	400	1550	1700	3.0	11	6.4
MVI805	1300	1020	810	445	190	600	1000	400	400	1550	1700	3.7	13.2	7.6
MVI806	1300	1020	810	445	190	600	1000	400	400	1550	1700	4.0	13.9	8
MVI807	1450	1028	810	445	190	600	1000	400	400	1550	1700	5.5	19.9	11.5
MVI808	1450	1028	810	445	190	600	1000	400	400	1550	1700	5.5	19.9	11.5
MVI810	1450	1028	810	445	190	600	1000	400	400	1550	1700	7.5	-	14.6
MVI811	1450	1028	810	445	190	600	1000	400	400	1550	1700	7.5	-	14.6

**For * values, 7~8 pumps and WHBC. On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost MVI 8 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUS	WHBMS	WHBUS	WHBMS	WHBUS	WHBMS	(kW)	220V, 3Φ	380V, 3Φ
MVI802	1600	1020	810	445	190	600	1000	400	400	2000	1700	1.5	5.5	3.2
MVI803	1600	1020	810	445	190	600	1000	400	400	2000	1700	2.2	8	4.6
MVI804	1600	1020	810	445	190	600	1000	400	400	2000	1700	3.0	11	6.4
MVI805	1600	1020	810	445	190	600	1000	400	400	2000	1700	3.7	13.2	7.6
MVI806	1600	1020	810	445	190	600	1000	400	400	2000	1700	4.0	13.9	8
MVI807	1800	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
MVI808	1800	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
MVI810	1800	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6
MVI811	1800	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6

Dimension and electric data _ Wilo-HiBoost MVI 8 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUS	WHBMS	WHBUS	WHBMS	WHBUS	WHBMS	(kW)	220V, 3Φ	380V, 3Φ
MVI802	1900	1020	810	445	190	600	1000	400	400	2000	1700	1.5	5.5	3.2
MVI803	1900	1020	810	445	190	600	1000	400	400	2000	1700	2.2	8	4.6
MVI804	1900	1020	810	445	190	600	1000	400	400	2000	1700	3.0	11	6.4
MVI805	1900	1020	810	445	190	600	1000	400	400	2000	1700	3.7	13.2	7.6
MVI806	1900	1020	810	445	190	600	1000	400	400	2000	1700	4.0	13.9	8
MVI807	2150	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
MVI808	2150	1028	810	445	190	600	1000	400	400	2000	1700	5.5	19.9	11.5
MVI810	2150	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6
MVI811	2150	1028	810	445	190	600	1000	400	400	2000	1700	7.5	-	14.6

Dimension and electric data _ Wilo-HiBoost MVI 90 (2 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBUS	WHBMS	WHBUS	WHBMS	WHBUS	WHBMS	(kW)	220V, 3Φ	380V, 3Φ
MVI9001/1	1100	1933	1603	1150	360	600	600	400	400	1550	1700	7.5	-	14.6
MVI9001	1100	1933	1603	1150	360	600	700	400	400	2100	1900	11	-	20.4
MVI9002/2	1100	1933	1603	1150	360	600	700	400	400	2100	1900	15	-	27.8
MVI9002/1	1100	1933	1603	1150	360	600	700	400	400	2100	1900	18.5	-	34
MVI9002	1100	1933	1603	1150	360	600	700	400	400	2100	1900	22	-	40
MVI9003/2	1100	1933	1603	1150	360	600	700	400	400	2100	1900	22	-	40
MVI9003/1	1100	1933	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9003	1100	1943	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9004/2	1100	1943	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004/1	1100	1943	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004	1100	1943	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/2	1100	1943	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/1	1100	1943	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005	1100	1943	1603	1150	360	*	*	*	*	*	*	45	-	79.4

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

Wilo-HiBoost Series

Wilo-HiBoost Series										Dimension and electric data			
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Dimension and electric data _ Wilo-HiBoost MVI 90 (3 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
MVI9001/1	1700	2003	1603	1150	360	600	600	400	400	1550	1700	7.5	-	14.6
MVI9001	1700	2003	1603	1150	360	600	700	400	400	2100	1900	11	-	20.4
MVI9002/2	1700	2003	1603	1150	360	600	700	400	400	2100	1900	15	-	27.8
MVI9002/1	1700	2003	1603	1150	360	600	700	400	400	2100	1900	18.5	-	34
MVI9002	1700	2003	1603	1150	360	600	700	400	400	2100	1900	22	-	40
MVI9003/2	1700	2003	1603	1150	360	600	700	400	400	2100	1900	22	-	40
MVI9003/1	1700	2003	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9003	1700	2018	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9004/2	1700	2018	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004/1	1700	2018	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004	1700	2018	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/2	1700	2018	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/1	1700	2018	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005	1700	2018	1603	1150	360	*	*	*	*	*	*	45	-	79.4

Dimension and electric data _ Wilo-HiBoost MVI 90 (4 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHBU	WHBM	WHBU	WHBM	WHBU	WHBM	Power P ₂	Rated current(A)	
MVI9001/1	2300	2048	1603	1150	360	600	1000	400	400	1550	1700	7.5	-	14.6
MVI9001	2300	2048	1603	1150	360	600	1200	400	400	2100	1750	11	-	20.4
MVI9002/2	2300	2048	1603	1150	360	600	1200	400	400	2100	1750	15	-	27.8
MVI9002/1	2300	2048	1603	1150	360	900	1200	400	400	2100	1750	18.5	-	34
MVI9002	2300	2048	1603	1150	360	900	1200	400	400	2100	1750	22	-	40
MVI9003/2	2300	2048	1603	1150	360	900	1200	400	400	2100	1750	22	-	40
MVI9003/1	2300	2048	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9003	2300	2066	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9004/2	2300	2066	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004/1	2300	2066	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004	2300	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/2	2300	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/1	2300	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005	2300	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4

**For * values, 7~8 pumps and WHBC: On Demand

Pressure Boosting Systems

wilo

Wilo-HiBoost Series

Wilo-HiBoost Series

Dimension and electric data

Dimension and electric data _ Wilo-HiBoost MVI 90 (5 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHB	WBM	WHB	WBM	WHB	WBM	(kW)	220V, 3Φ	380V, 3Φ
MVI9001/1	2900	2048	1603	1150	360	600	1000	400	400	2000	1700	7.5	-	14.6
MVI9001	2900	2048	1603	1150	360	900	1200	400	400	2100	1750	11	-	20.4
MVI9002/2	2900	2048	1603	1150	360	900	1200	400	400	2100	1750	15	-	27.8
MVI9002/1	2900	2048	1603	1150	360	1300	1200	400	400	2100	1750	18.5	-	34
MVI9002	2900	2048	1603	1150	360	1300	1200	400	400	2100	1750	22	-	40
MVI9003/2	2900	2048	1603	1150	360	1300	1200	400	400	2100	1750	22	-	40
MVI9003/1	2900	2048	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9003	2900	2066	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI9004/2	2900	2066	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004/1	2900	2066	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI9004	2900	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/2	2900	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005/1	2900	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI9005	2900	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4

Dimension and electric data _ Wilo-HiBoost MVI 90 (6 pumps)

Wilo-HiBoost	L	A	B	C	D	E		W		H		Protect:IP55/Insulation F		
						WHB	WBM	WHB	WBM	WHB	WBM	(kW)	220V, 3Φ	380V, 3Φ
MVI 9001/1	3500	2048	1603	1150	360	600	1000	400	400	2000	1700	7.5	-	14.6
MVI 9001	3500	2048	1603	1150	360	900	1200	400	400	2100	1750	11	-	20.4
MVI 9002/2	3500	2048	1603	1150	360	1300	1200	400	400	2100	1750	15	-	27.8
MVI 9002/1	3500	2048	1603	1150	360	1300	1200	400	400	2100	1750	18.5	-	34
MVI 9002	3500	2048	1603	1150	360	1300	1200	400	400	2100	1750	22	-	40
MVI 9003/2	3500	2048	1603	1150	360	1300	1200	400	400	2100	1750	22	-	40
MVI 9003/1	3500	2048	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI 9003	3500	2066	1603	1150	360	*	*	*	*	*	*	30	-	55.1
MVI 9004/2	3500	2066	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI 9004/1	3500	2066	1603	1150	360	*	*	*	*	*	*	37	-	67.2
MVI 9004	3500	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI 9005/2	3500	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI 9005/1	3500	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4
MVI 9005	3500	2066	1603	1150	360	*	*	*	*	*	*	45	-	79.4

**For * values, 7~8 pumps and WHBC: On Demand

Dimension and electric data _ Wilo-HiBoost MVI 125(2~8 pumps)

**On Demand

Pressure Boosting Systems

Wilo-PUZeN^e Series

Wilo-PUZeN^e Series

Technical Information



Intuitive operation via 7 inch full-color touch screen display, VFD-controllable booster system with maximum 6 inverter pumps

Image may differ from actual product

Application

- Direct water supply, with frequent pressure fluctuation
- Buildings with large engine room and limited personnel
- Sites with many different operation points

Fluid

- Potable/living/cooling water
- Water for firefighting sprinkler
- Clean water without any sludge or particles

Technical data

- Max. capacity: 1360 m³/hr
- Max. head: ~290 m
- Number of pumps: 2~6 units
- Max. fluid temperature: 70°C
- Max. ambient temperature: 40°C
- Power supply: 3 Ph, 220 V, 60 Hz
3 Ph, 380 V, 60 Hz
3 Ph, 460 V, 60 Hz
Voltage tolerance: ±10%

Type Key

PZE	PZEM	3	3	H226	-3
(PUZeN ^e Booster Systems)					
M : Multi PUZeN ^e					
C : Combi PUZeN ^e					
U : Uni PUZeN ^e					

Power supply
No. of Pumps
Pump name
No. of inverters

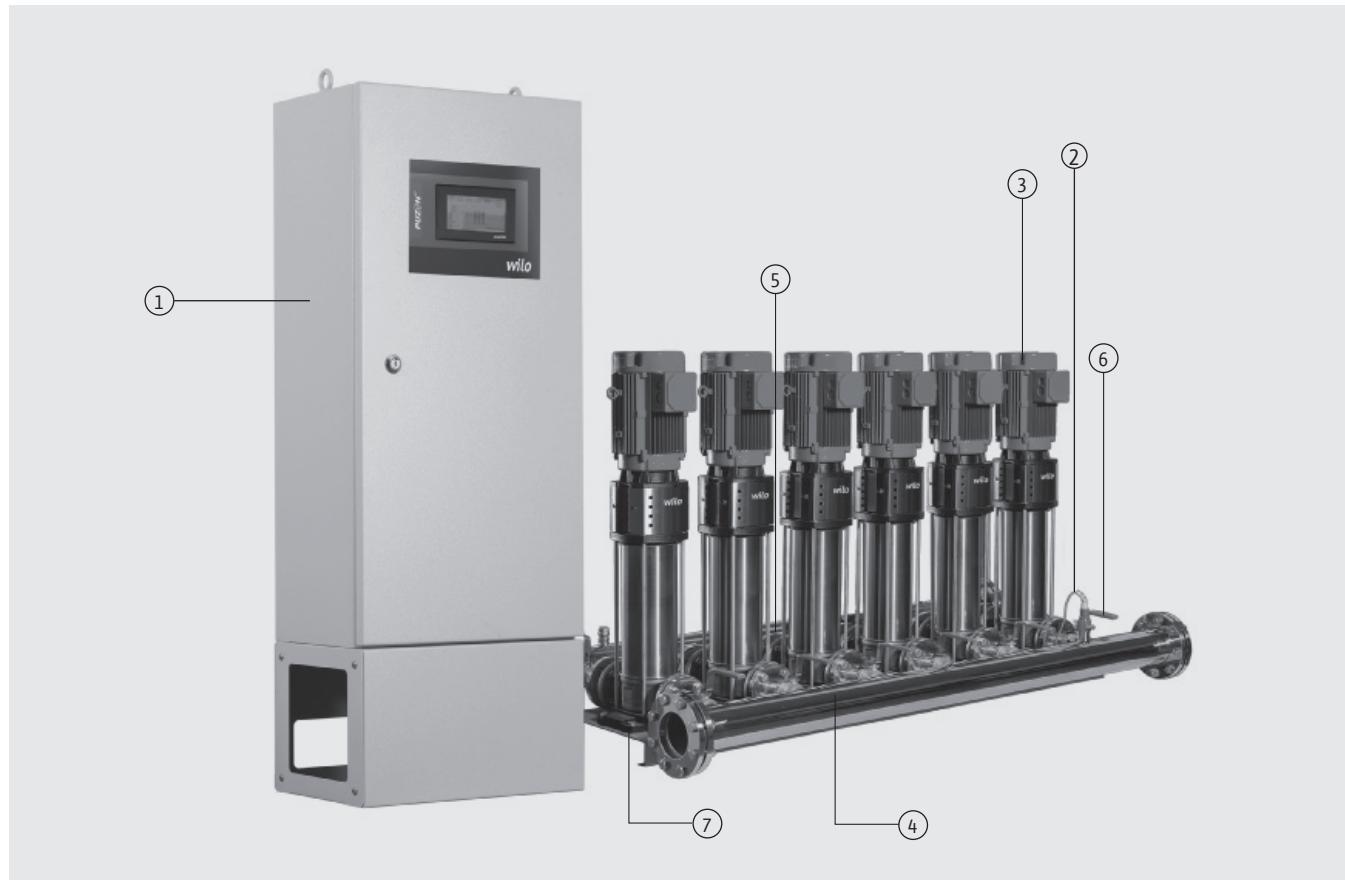
Pressure Boosting Systems

wilo

Wilo-PUZeN^e Series

Wilo-PUZeN^e Series

Components



① Control panel with outstanding controllability and self-protection functions

- System functions controlled by ECU
→ Various operational/protective functions
→ Various options available
→ Module designing of each components
→ Motor protection

② Semiconductor pressure transmitter applied

With the pressure transmitter, smooth operation is realized without the difference of pressure caused by parallel operation

③ Market-proven vertical multistage pumps

Minimized loss and optimized performance due to high grade stainless steel

④ Manifold

Compact design
Pipe-supporting structure for high flow or high head model
SS304 Stainless Steel

⑤ Check Valve

Corrosion resistance
SS304 Stainless Steel

⑥ Isolating Valve

Corrosion resistance
SS304 Stainless Steel

⑦ Bed

SS(Structure Steel) bed for high flow model

Pressure Boosting Systems

Wilo-PUZeN^e Series

Wilo-PUZeN^e Series

Main Features



7-inch HD color screen display



- Real-time operation status indicated by animation
- Various information provided by simple and visual data



Stop pressure setting for main pump

When pump stops, the main pump RPM is randomly changed and increase the starting pressure. Or it decreases the RPM, detect minor flow change in the pipe and stop at low flow. This is to prevent from frequent start/stop during operation.



Easy handling and verifying via touch screen



- Intuitive UI :Easy and quick setting
- Easy control with basic screen design



Schedule operation

Starting pressure could be set differently by day or time for energy-saving. It is useful for weekday/weekend or long holiday.



Easy handling and verifying via touch screen



- Real-time trend of set pressure and working pressure indicated by graphs



Setting/Operation menu lock

For system security, only basic settings can be changed before entering the password. Only the person in charge could change the setting so to prevent abnormal operation and maintain best condition.



Compensation of friction loss

Intelligent power-saving function; it lowers the working pressure at low flow section considering the friction loss of pipe



Reduced operation

In case of power shortage, system reduces the operation level to a certain point in order to relieve the load and run in stable condition



Safety function after outage

Enable to set automatic/manual start after outage, so that when power is recovered, it could protect from high fluctuation of discharge pressure



Automatic/Manual restoration

After power recovery from outage, system restores the original status automatically or restart manually. This function enables to protect the whole building system or critical factory process from getting damaged from sudden load increase.



Automatic program operation

Starting pressure could be set differently by day or time for energy-saving

Pressure Boosting Systems

wilo

Wilo-PUZeN^e Series

Wilo-PUZeN^e Series

Functions

Various energy saving, self-diagnos,remote control functions		
	Wilo-HiBoost Series	Features
Control	Multi functional inverter control	High functional and precise micro-computer control, able to choose appropriate control mode suitable for site condition
Pump	Vertical multistage pump	Less space occupancy due to small installation area
Sensor	Contactless Pressure Transmitter	Contactless type, with high reliability and long lifetime
Main Functions	Detail functions	Descriptions
	Optimum point of additional start	When operating below set pressure, it calculates the saturation power and decide whether to start additional pump, thus preventing from unnecessary operation and saving energy and lifetime
	Inverter pump at optimum speed	At transition area of additional start/stop, inverter pump speed is maintained in optimum condition to minimize pressure hunting and fluctuation.
	Real-time indication of load factor	Current load factor of the pumps comprising the booster system are indicated in real-time so that user can directly identify the operation condition.
	Installation wizard	Installation wizard is provided for user-friendly operation
	Unit conversion	Various unit conversion for pressure and power is available for user-friendly function.
	Failure logging	Up to 255 failures could be saved in SD Card for effective maintenance and failure prevention
	Standby pump	Pre-set standby pump works only when one of main pumps break down.
	Alternating Operation	Pump with least operating hours starts first and stop last for balanced load distribution to each pump.
	Sequential control	Interval time is given when pump start/stops to reduce pressure hunting and frequent start/stop.
	Max. pressure setting	Pump works in limited condition when unexpected high pressure reaches max. set pressure in order to protect the pipe and system and operate safely.
	Min. pressure setting	System is protected from continual operation when unexpected low pressure (such as pump/pipe leakage) reaches min. set pressure.
	Alarm for abnormal low pressure	When discharge pressure does not reach the starting pressure, it generates alarm or stops the operation in order to prevent from leakage on discharge pipe or dry running in suction side
	Inverter speed control	Acceleration/deceleration time of inverter could be set to protect motor and keep pressure stable
	Limiting min. RPM	By setting the starting frequency of inverter, it could reach the required pressure more quickly
	Interlock time control	Interval time of cut-in/out of the pump could be set (controlling interlock time)
	Trial run	When a certain pump has not been operated for a certain period of time, it will run the pump occasionally to prevent from getting stuck and generating air.
	Individual running	Each pump could be switched between automatic and manual and run individually (WHBU / WHBC Series)
	Skipping	If certain pump breaks down, it would be excluded in operation logic
	Automatic activation	After power cut and back, the system will automatically start. (or manually if set)
	Dry running protection	To prevent dry running at suction side, pressure switch or transmitters send signal, and it will stop when dry running is detected more than 5 times
	Reverse proportional operation	By means of PID control, it controls number of operating pumps and frequency if operating parameters are different from pre-set parameters
	Frequent start limit	When pump starts more frequently than pre-set minimum start per hour, it generates alarm to prevent from shortening the lifetime

Pressure Boosting Systems

Wilo-PUZeNe Series

Wilo-PUZeNe^e Series

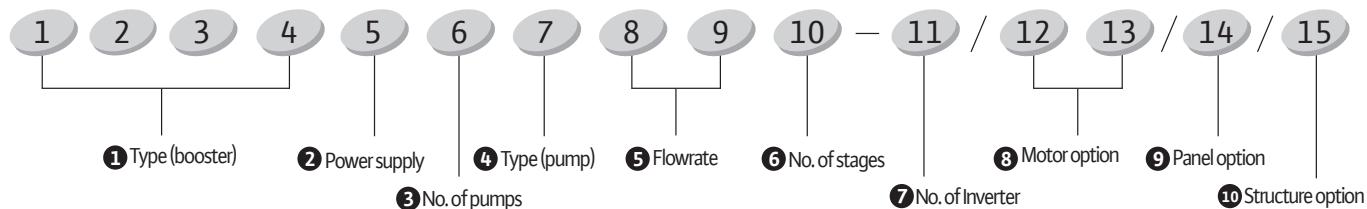
Introduction

Features and Performance

Control type	Speed control
Pump	Vertical Multistage Pump
Power supply	3Ph, 380V, 60Hz (Options available) (Panel : 1Ph, 220V, 60Hz)
Pressure sensor	Contactless pressure transmitter
Permissible liquid	Clean water (0°C~70°C)
Controllable pump	2~6 pumps

Installation	→ Location : Indoor
	→ Operation temperature : 0°C~40°C
Panel	→ Storage temperature : -10°C~50°C
	→ Humidity : Max. RH 85%
Panel	→ Auto/Manual run
	→ Self-protection
Panel	→ Emergency operation
	→ Indication of status
Panel	→ Built-in output terminal in the event of failure
	→ Inverter control

Model Description



① Type (booster)

Type	Description
PZEU	Wilo-PuzeNe,Uni
PZEM	Wilo-PuzeNe,Combi
PZEC	Wilo-PuzeNe,Multi

② Power supply

Type	Power
2	220 V, 60 Hz
3	380 V, 60 Hz
4	440 V, 60 Hz
5	460 V, 60 Hz
6	480 V, 60 Hz

③ No of pumps

Type	Quantity
2	2 set
3	3 set
4	4 set
5	5 set
6	6 set

④ Type (pump)

Type	Description
H	Helix V series
M	MVI Series

⑤ Flowrate

According to pump series

⑥ No. of stages

Type	Stage
01	1
02	2
03	3
04	4
05	5
06	6
07	7
08	8
09	9

⑦ No of inverter

Type	Option
1	1
2	2
3	3
4	4
5	5
6	6

⑧ Motor option

Type	Option
E2	IE2 Efficiency
E3	IE3 Efficiency
G3	Explosion proof

⑨ Panel option

Type	Option
S	Stainless steel
R	EOCR (Electronic Over Current Relay)
L	ELCB for each
Z	Alarm Buzzer

⑩ Structure option

Type	Option
1	1 step expansion of suction manifold
2	1 step expansion of discharge manifold
3	STS 304 Bed
I	Insulated bolt
T	SS Bed (section steel)

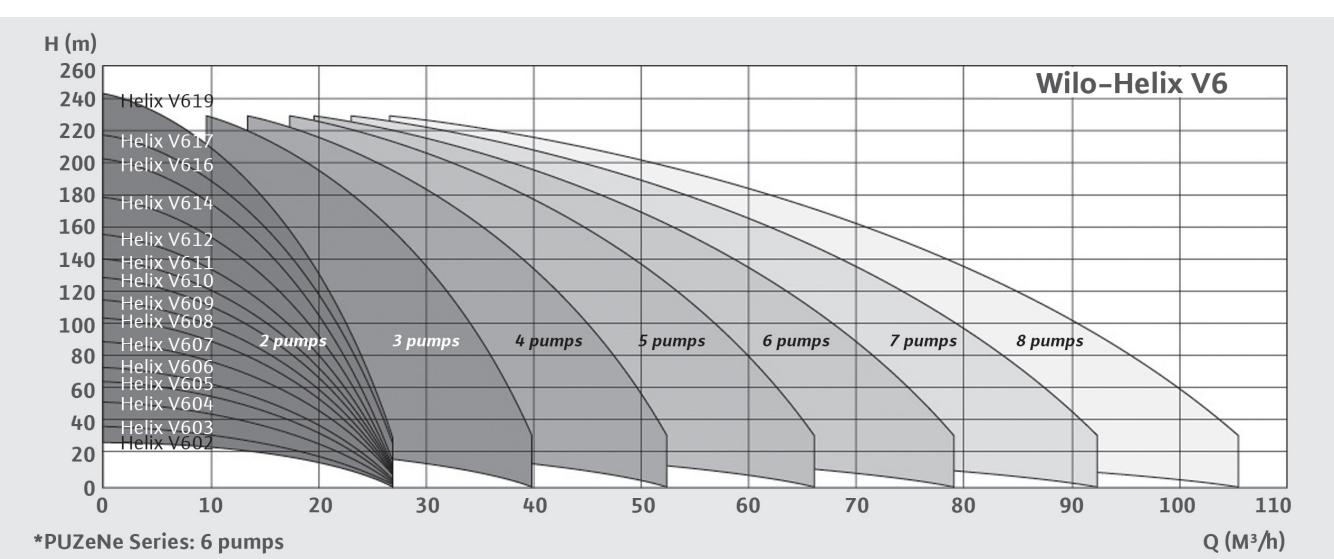
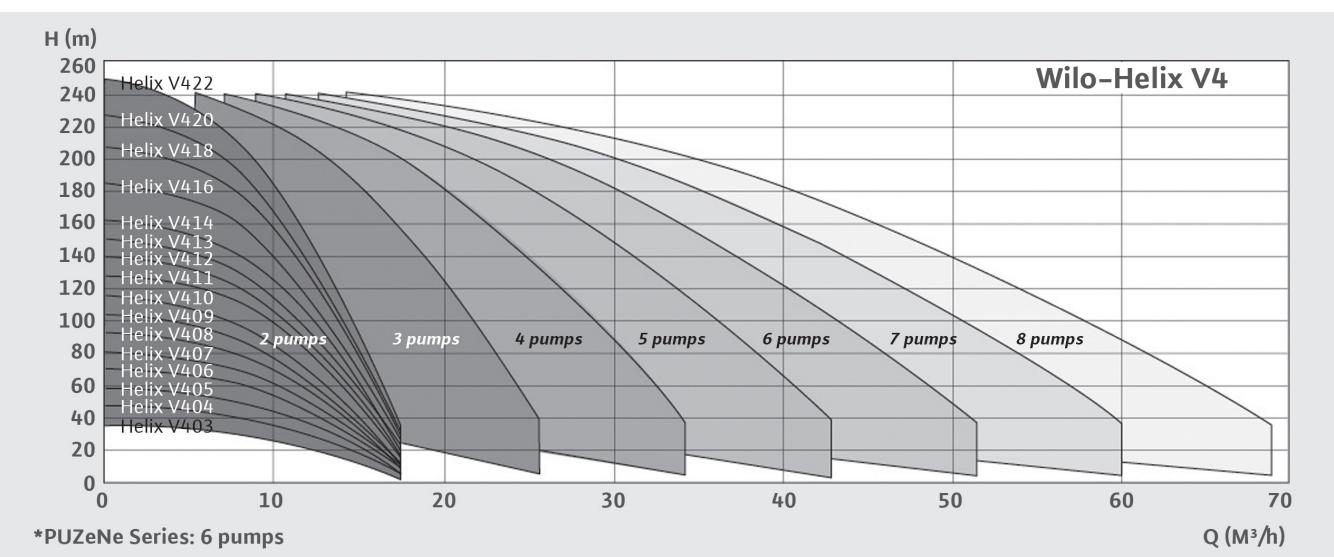
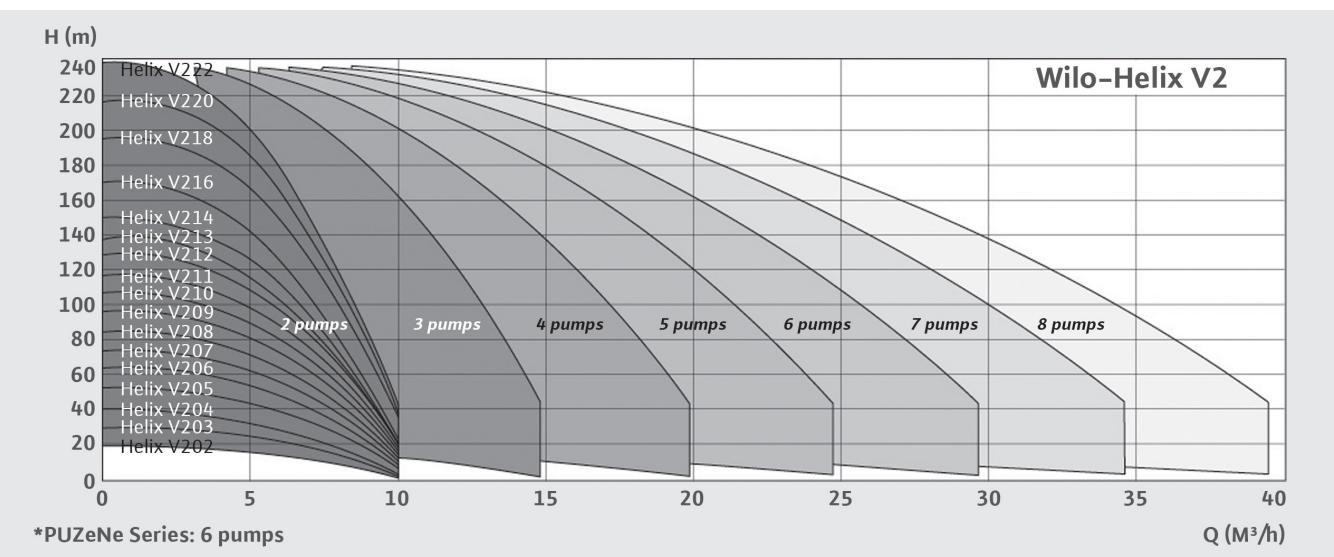
Pressure Boosting Systems

Wilo-HiBoost / PUZeNe Series

wilo

Wilo-HiBoost / PUZeNe Series

Performance curve

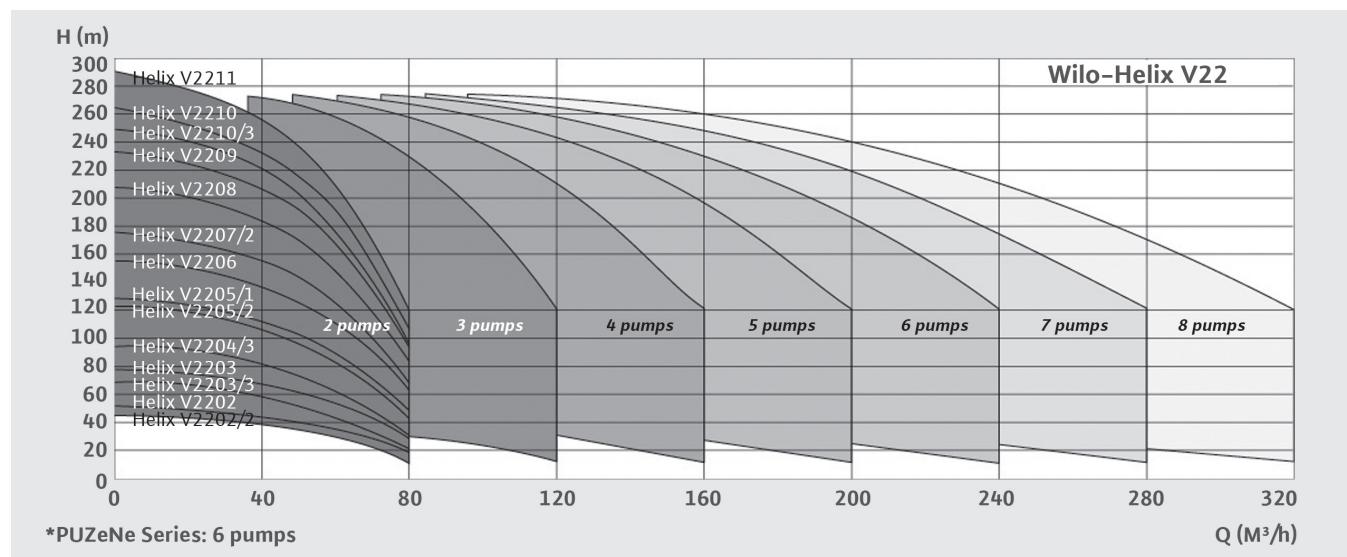
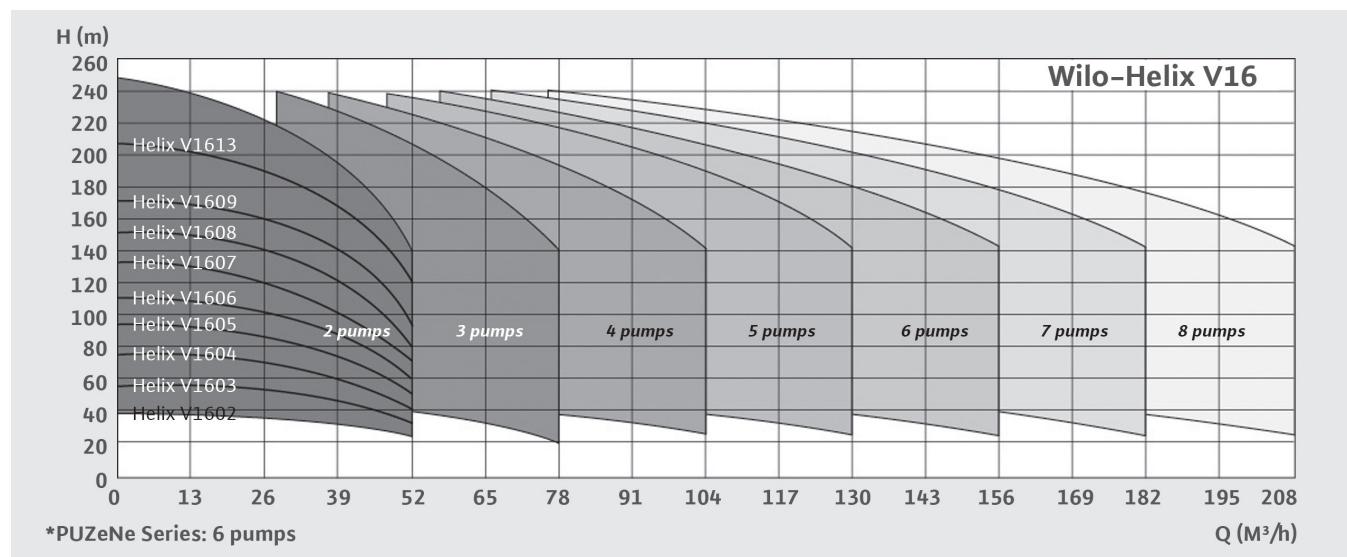
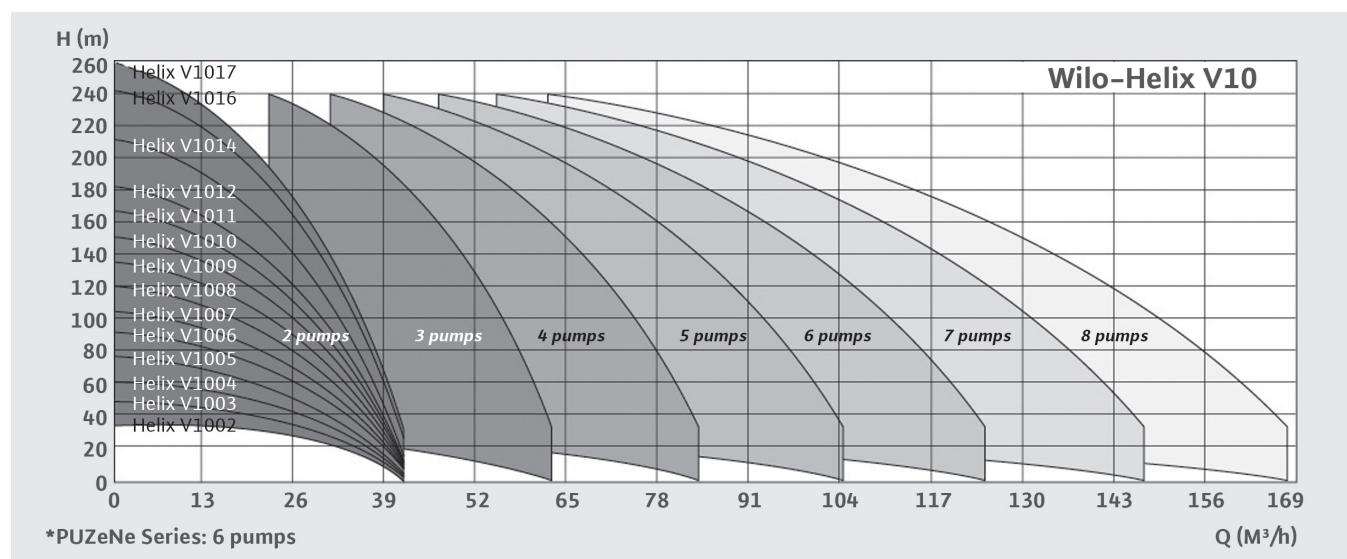


Pressure Boosting Systems

Wilo-HiBoost / PUZeNe Series

Wilo-HiBoost / PUZeNe Series

Performance curve



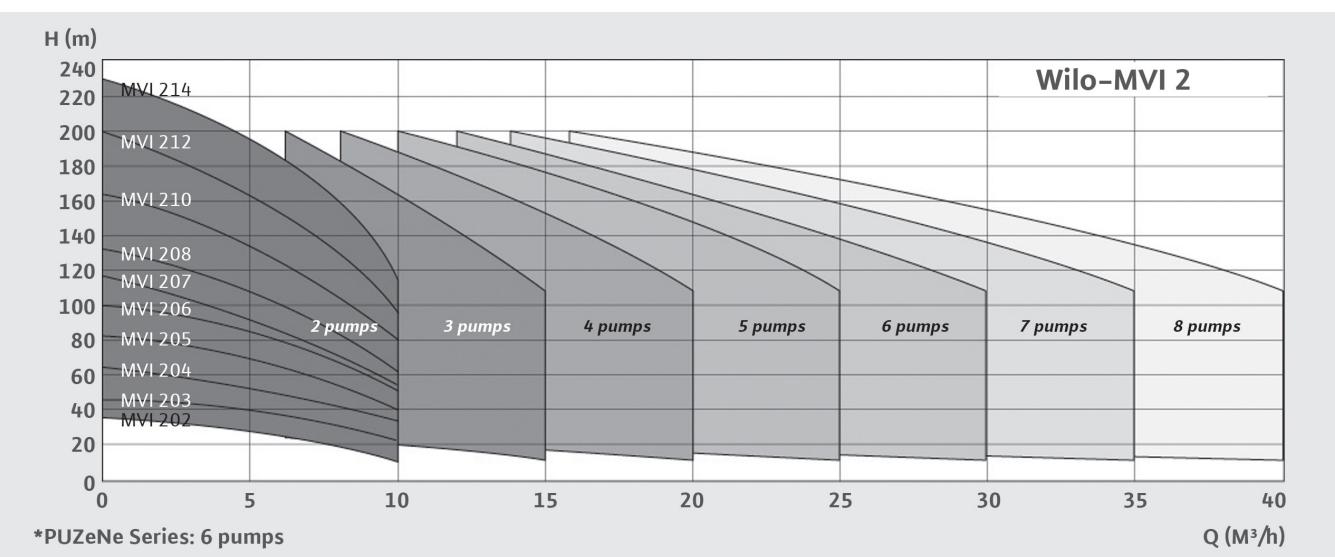
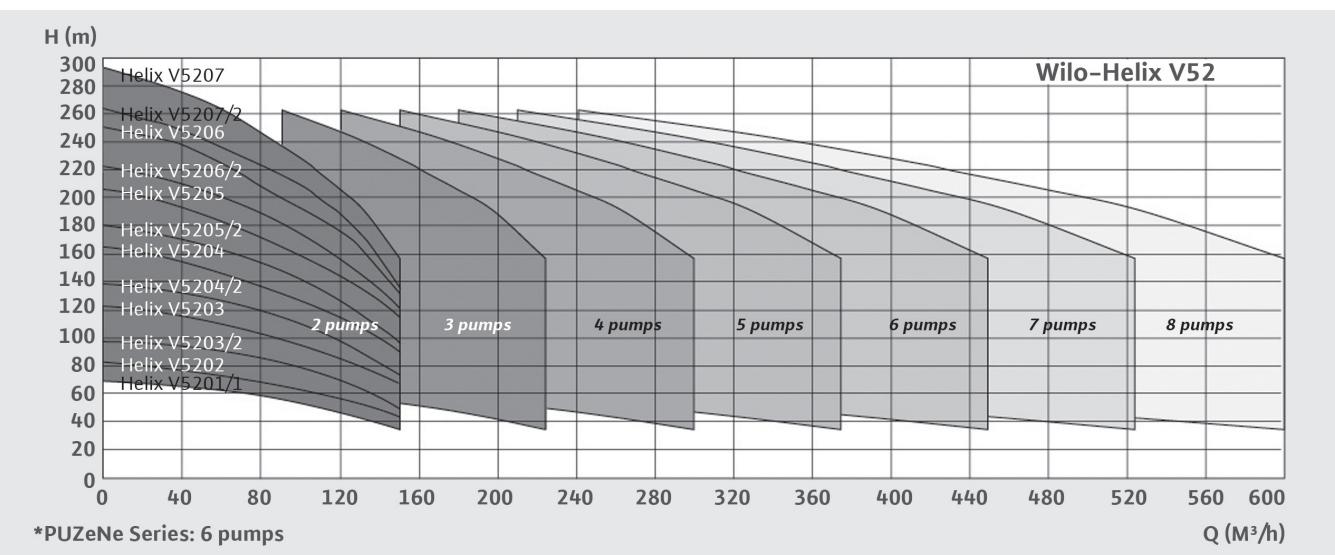
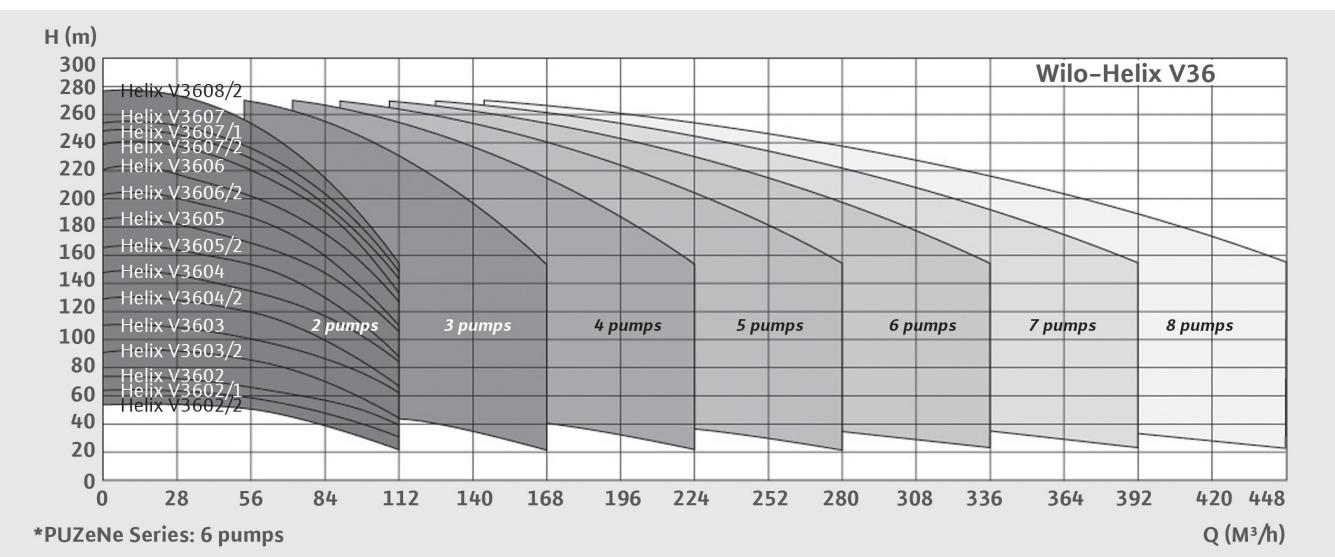
Pressure Boosting Systems

wilo

Wilo-HiBoost / PUZeNe Series

Wilo-HiBoost / PUZeNe Series

Performance curve

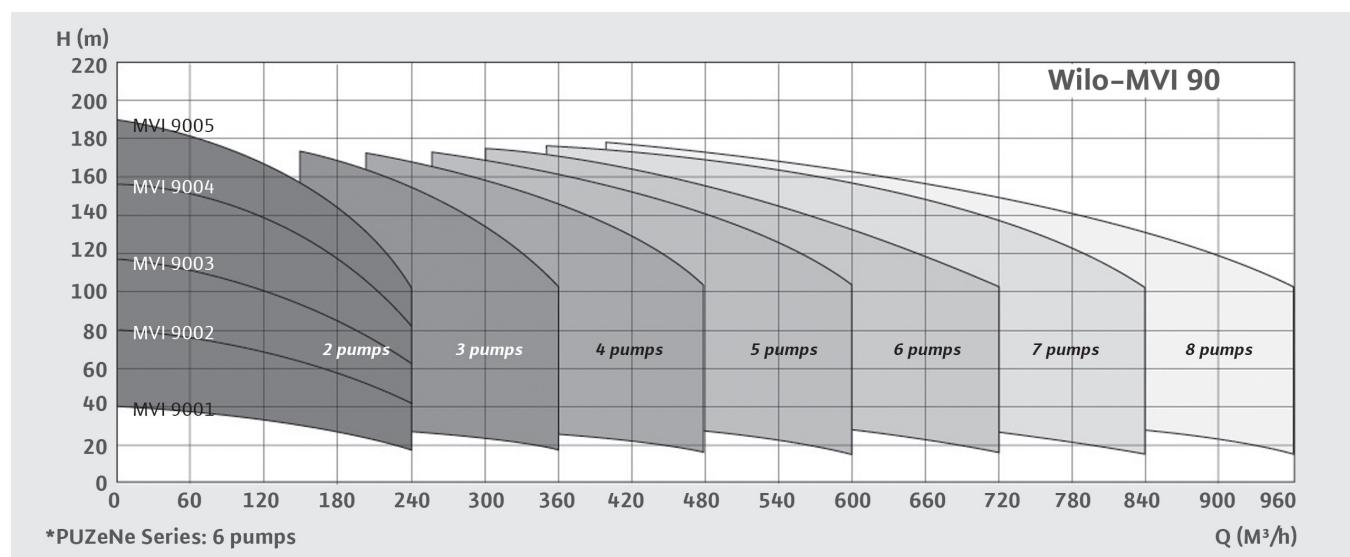
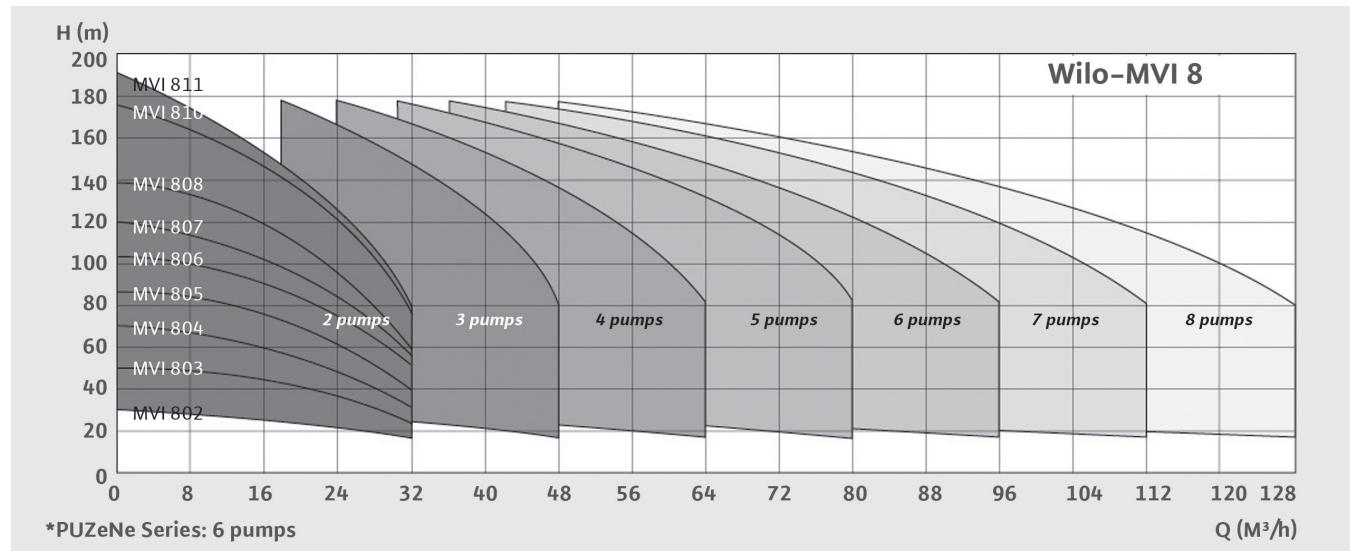
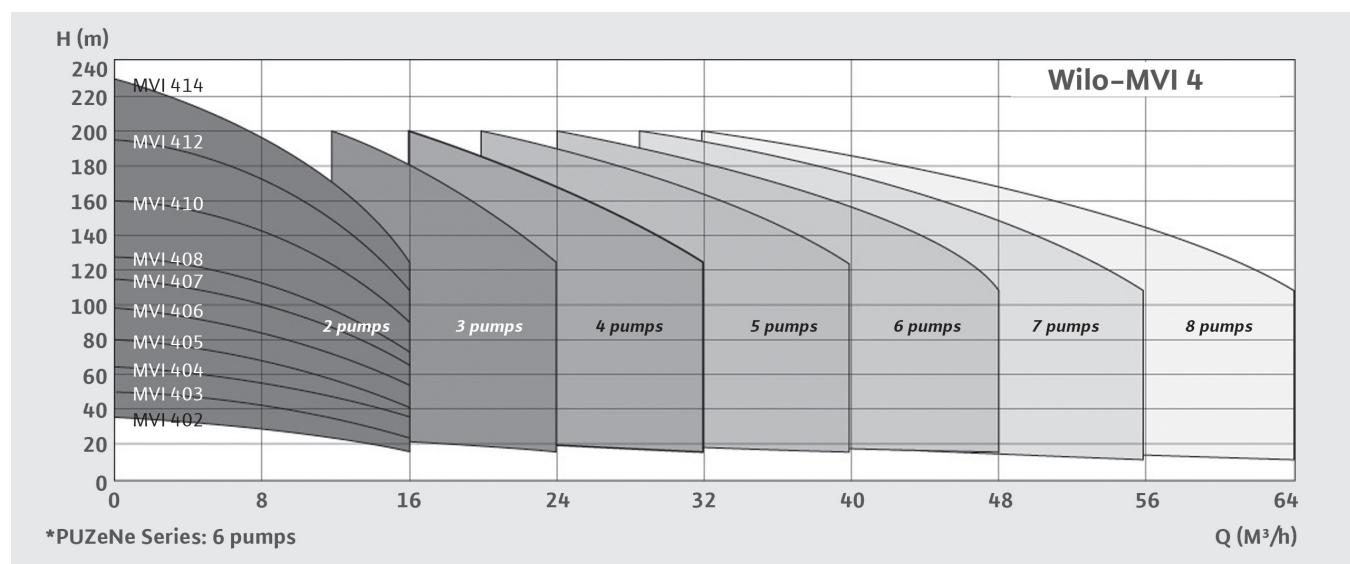


Pressure Boosting Systems

Wilo-HiBoost / PUZeNe^e Series

Wilo-HiBoost / PUZeNe^e Series

Performance curve



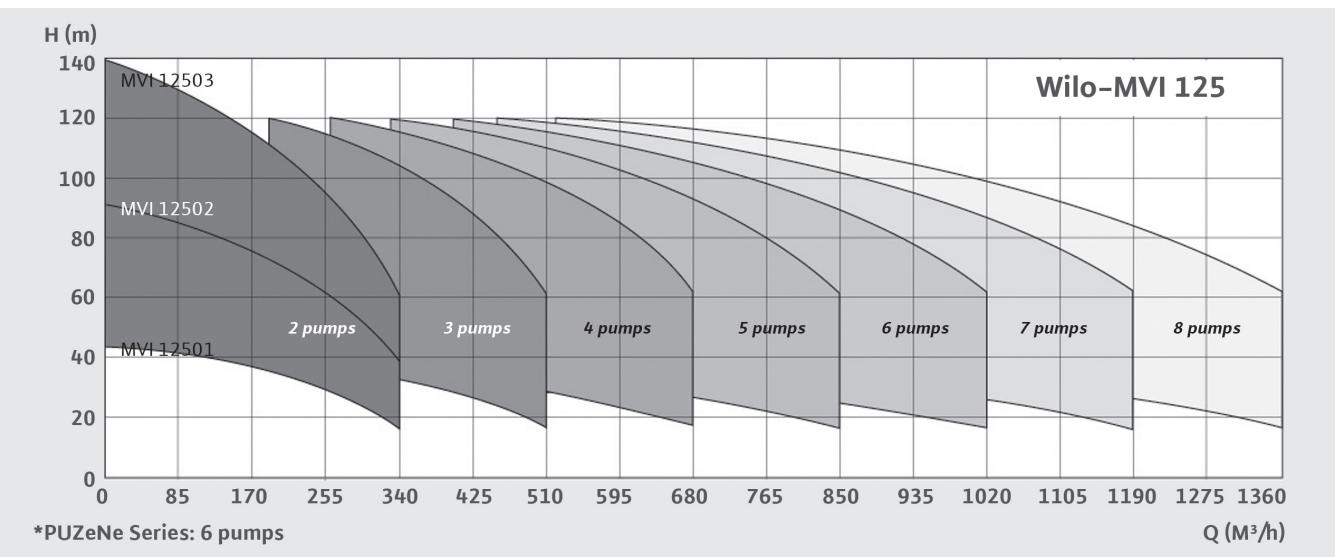
Pressure Boosting Systems

Wilo-HiBoost / PUZeNe Series

wilo

Wilo-HiBoost / PUZeNe Series

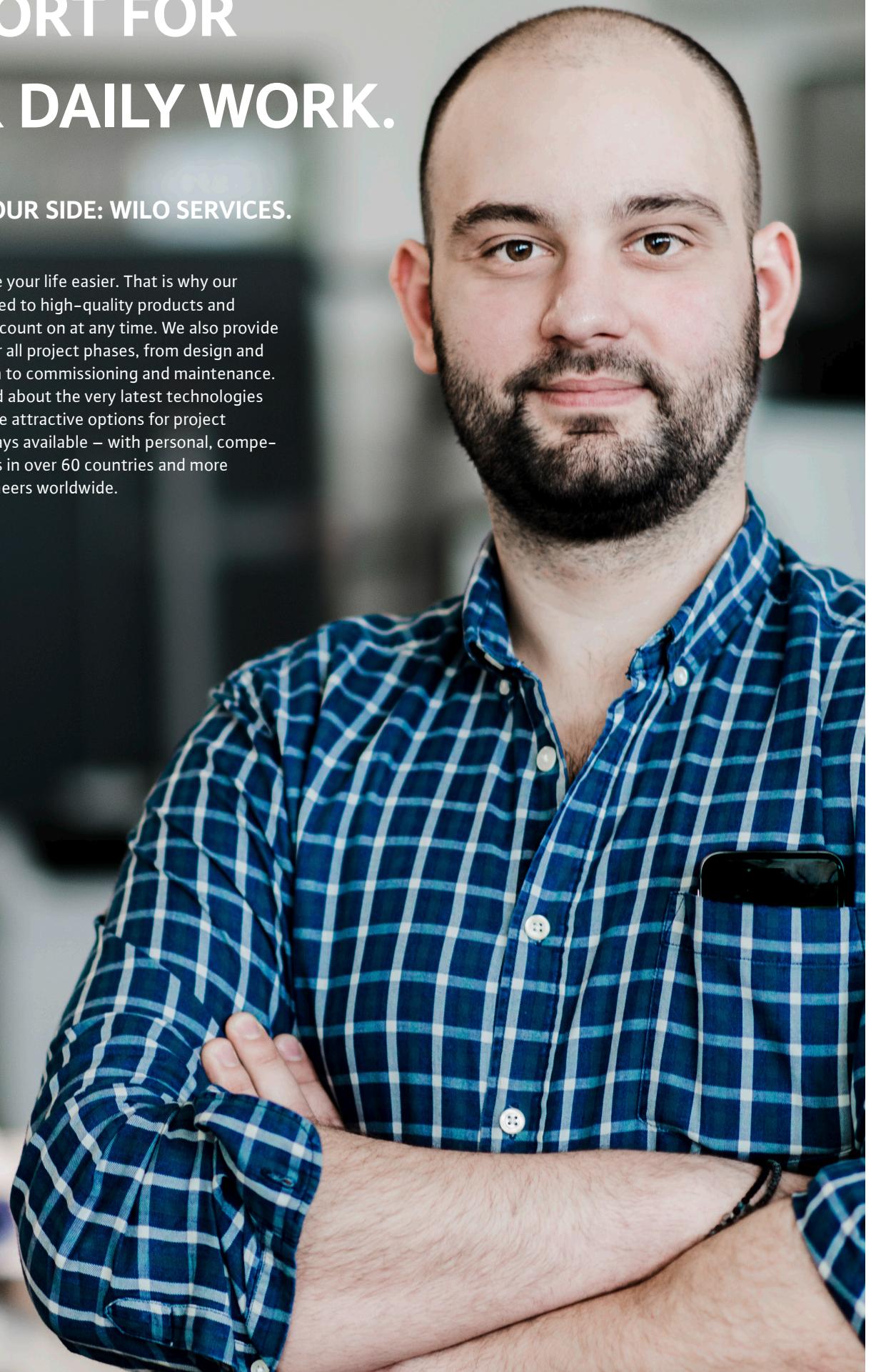
Performance curve



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