

# CO

## Small Automatic Water Boosters with Spherical Vessel Above the Pump



### Identification

#### CO-24 WTJ 100

**CO:** Series (with tank above the pump)

**24:** Tank Capacity (liters)

**WTJ 100:** Pump model

**WPM:** Peripheral Pump

**WJ:** Horizontal, self-priming (jet), cast iron pump

**WTJ:** Horizontal, self-priming (jet), stainless steel

**XHC:** Horizontal, multistage, fully AISI304 St Steel

### Construction

Compact design, fully automatic, small built-in pressure boosters for household water feeding consisting of;

- Single phase, close-coupled pump (up to suction type and application can be used with horizontal self-priming, peripheral or multistage pump)
- Spherical expansion tank with membrane
- Pressure switch
- Pressure gauge
- 5 way connector
- Float switch against dry running
- 2,5 m cable with plug

### Operation

According to decrease or increase of pressure, the pressure switch determines when the pump will start or stop. On demand, water is drawn from the tank. When the pressure drops to the  $H_{mstart}$  value the pump starts. When consumption reduces and the pressure increases until it reaches the  $H_{mstop}$  value, the pump is switched off.

### Applications

- Water supply
- Garden irrigation (lawn sprinkling)
- Pressure boosting in water systems for domestic use
- Washing

### Specifications

Delivery: up to 9,5 m<sup>3</sup>/h

Head: up to 6,5 bar

Power: up to 1,1 kw

Power supply: 1x 230V ( single phase)

Motor starting: D.O.L.

Liquid Temperature: +5C ... +40C

Protection Grade: IP54

Frequency: 50 Hz

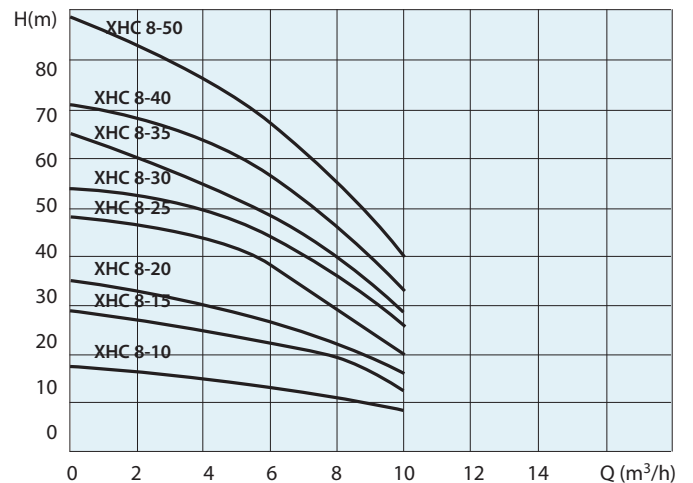
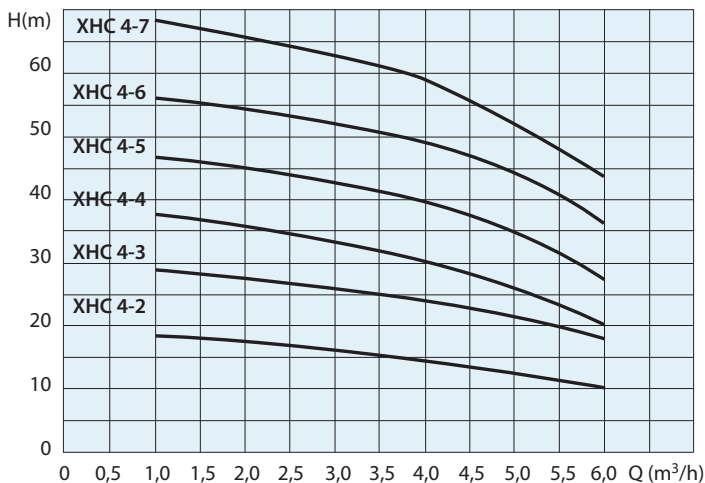
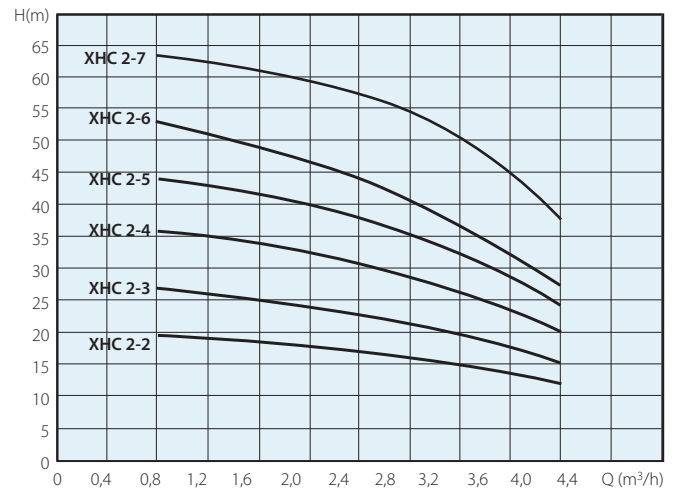
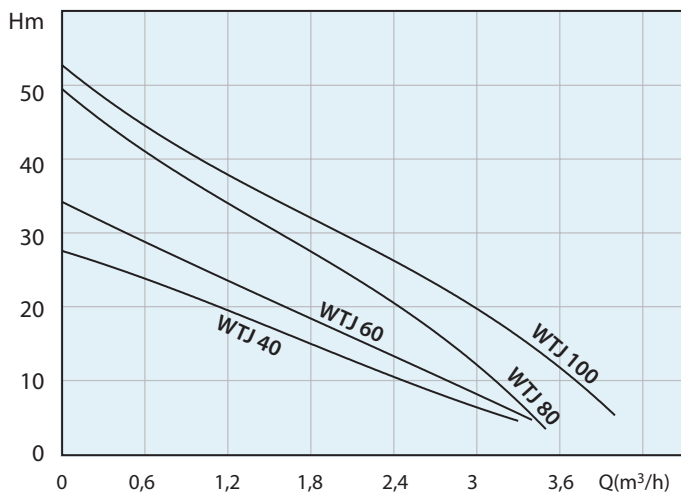
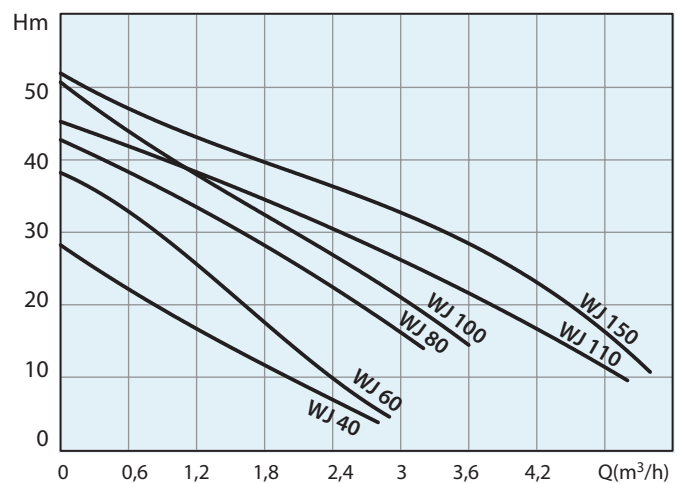
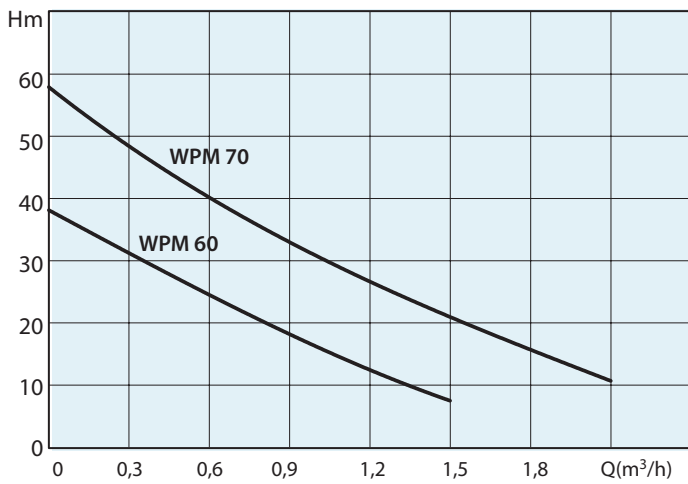
Insulation Class: F

Model	Recommended Expansion Tank (lt)	Phase	Voltage (V)	Motor Power		Flow (m <sup>3</sup> /h)	Operating Pressure (mWC)	Diameter of Manifold	
				kW	HP			Suction	Discharge
CO 24 WPM 60	24/10-Incl.	1	230	0,37	0,5	1,5	18-30	1"	1"
CO 24 WPM 70	24/10-Incl.	1	230	0,6	0,8	2,1	30-45	1"	1"
CO 24 WJ 80	24/10-Incl.	1	230	0,6	0,8	2	22-35	1"	1"
CO 24 WTJ 80	24/10-Incl.	1	230	0,6	0,8	1,7	25-40	1"	1"
CO 24 WJ 100	24/10-Incl.	1	230	0,75	1	1,7	28-42	1"	1"
CO 24 WTJ 100	24/10-Incl.	1	230	0,75	1	1,7	28-42	1"	1"
CO 24 XHC 2-4	24/10-Incl.	1	230	0,55	0,75	3,5	20-32	1"	1"
CO 24 XHC 2-5	24/10-Incl.	1	230	0,55	0,75	3,5	28-40	1"	1"
CO 24 XHC 2-6	24/10-Incl.	1	230	0,75	1	3,2	35-50	1"	1"

# CO

## Small Automatic Water Boosters with Spherical Vessel Above the Pump

### Performance curves



# CH

## CH 24, CH 50, CH 100

### Small Automatic Water Boosters with Cylindrical Vessel under the Pump



#### Identification

##### CH-100 XHC 8-40

CH: Series (with tank under the pump)

100: Tank Capacity (liters)

XHC 8-40: Pump model

#### Construction

Compact design, fully automatic, small built-in pressure boosters for household water feeding consisting of;

- Single or three phase, close-coupled pump
- Cylindrical expansion tank with membrane (for single phase)
- Flexible metal hose
- Pressure switch
- Pressure gauge
- 5 way connector
- Float switch against dry running
- 2,5 m cable with plug
- Automatic starter for three phase models.

#### Operation

According to decrease or increase of pressure, the pressure switch determines when the pump will start or stop.

On demand, water is drawn from the tank. When the pressure drops to the  $H_{mstart}$  value the pump starts. When consumption reduces and the pressure increases until it reaches the  $H_{mstop}$  value, the pump is switched off.

#### Applications

- Water supply
- Garden irrigation (lawn sprinkling)
- Pressure boosting in water systems for domestic use
- Washing
- Easy to install
- Compact design
- Low cost
- High efficiency
- High reliability
- Wide performance range
- Service-friendly
- Plug and run design

#### Specifications

Delivery: up to 12 m<sup>3</sup>/h

Head: up to 8,5 bar

Power: up to 3 kw

Power supply: 1x 230V +-10% with thermal protector  
3 x 400V +-10% with automatic stator

Motor starting: D.O.L.

Liquid Temperature: +5C...+40°C

Protection Grade: IP54

Frequency: 50 Hz

Insulation Class: F

Constructed in accordance with IEC60034

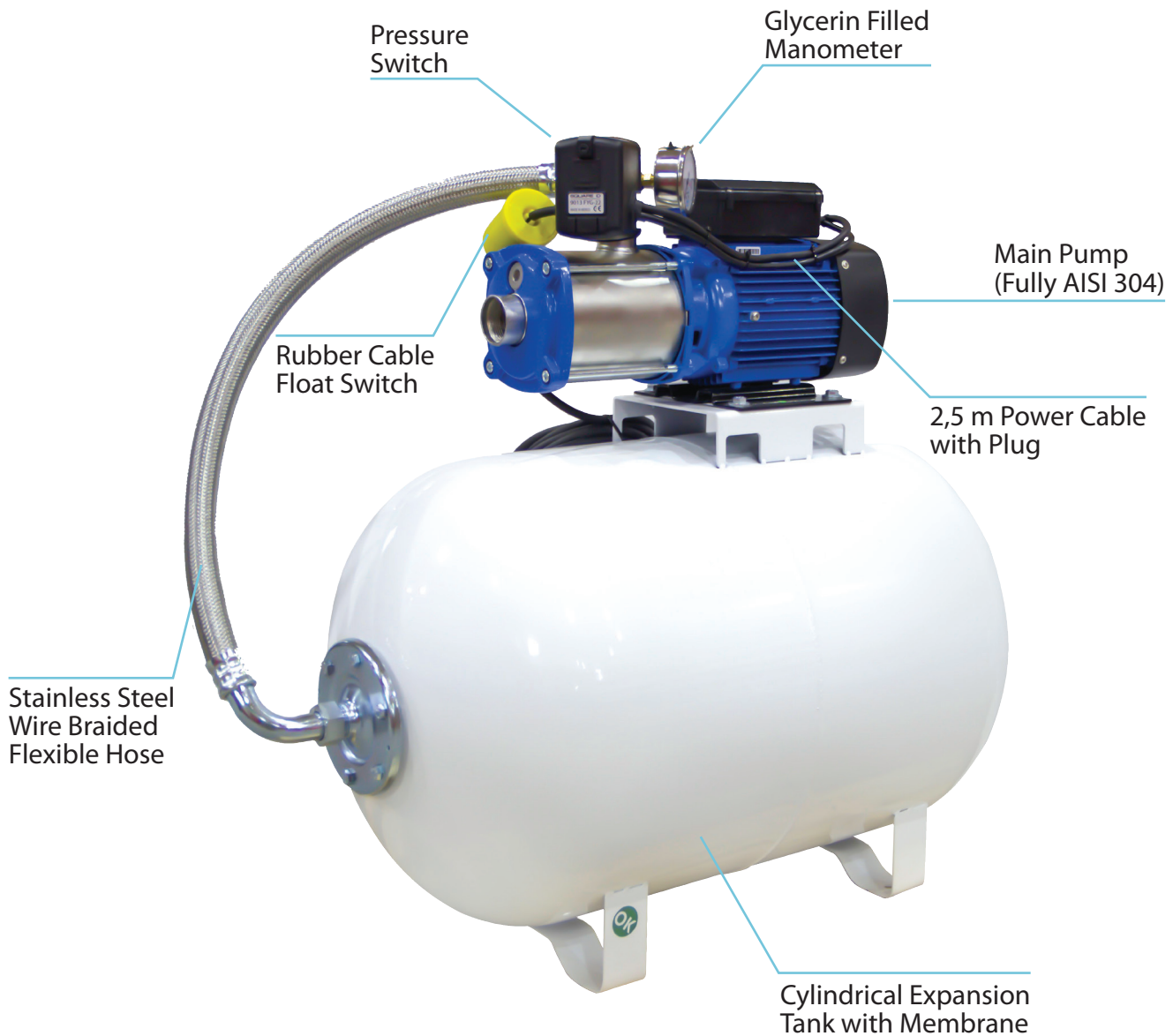
- **WJ:** Horizontal, self-priming (jet), cast iron pump
- **WTJ:** Horizontal, self-priming (jet), stainless steel
- **XHC:** Horizontal, multistage, fully AISI304 St Steel
- **WDM:** Horizontal, double stage stainless steel or bronze impeller

# CH

## CH 24, CH 50, CH 100

### Small Automatic Water Boosters

#### Booster Set with XHC Series



#### Small Automatic Water Boosters with Cylindrical Vessel Under the Pump

# CH

## CH 24, CH 50, CH 100

### Small Automatic Water Boosters

#### Performance Table

Model	Recommended Expansion Tank (lt)	Phase	Voltage (V)	Motor Power		Flow (m <sup>3</sup> /h)	Operating Pressure (mWC)	Diameter of Manifold	
				kW	HP			Suction	Discharge
CH 24 WJ 60	24/10-Incl.	1	230	0,45	0,6	1,4	20-32	1"	1"
CH 24 WTJ 60	24/10-Incl.	1	230	0,45	0,6	1,5	18-30	1"	1"
CH 24 WJ 80	24/10-Incl.	1	230	0,6	0,8	2	22-35	1"	1"
CH 24 WTJ 80	24/10-Incl.	1	230	0,6	0,8	1,7	25-40	1"	1"
CH 24 WJ 100	24/10-Incl.	1	230	0,75	1	1,7	28-42	1"	1"
CH 24 WTJ 100	24/10-Incl.	1	230	0,75	1	1,7	28-42	1"	1"
CH 24 XHC 2-4	24/10-Incl.	1	230	0,55	0,75	3,5	20-32	1"	1"
CH 24 XHC 2-5	24/10-Incl.	1	230	0,55	0,75	3,5	28-40	1"	1"
CH 24 XHC 2-6	24/10-Incl.	1	230	0,75	1	3,2	35-47	1"	1"
CH 50 WJ 80	50/10-Incl.	1	230	0,6	0,8	2	22-35	1"	1"
CH 50 WTJ 80	50/10-Incl.	1	230	0,6	0,8	1,5	28-40	1"	1"
CH 50 WJ 100	50/10-Incl.	1	230	0,75	1	1,6	30-42	1"	1"
CH 50 WTJ 100	50/10-Incl.	1	230	0,75	1	1,6	30-42	1"	1"
CH 50 WJ 110	50/10-Incl.	1	230	0,75	1	3,2	22-35	1"	1"
CH 50 WJ 150	50/10-Incl.	1	230	1,1	1,5	2,9	30-42	1"	1"
CH 50 XHC 2-4	50/10-Incl.	1	230	0,55	0,75	3,5	20-32	1"	1"
CH 50 XHC 2-5	50/10-Incl.	1	230	0,55	0,75	3,3	30-42	1"	1"
CH 50 XHC 2-6	50/10-Incl.	1	230	0,75	1	3,3	35-50	1"	1"
CH 50 XHC 2-7	50/10-Incl.	1	230	1	1,36	3,5	43-63	1"	1"
CH 50 XHC 4-4	50/10-Incl.	1	230	0,75	1	5	22-34	1¼"	1"
CH 50 XHC 4-5	50/10-Incl.	1	230	1	1,36	5	30-42	1¼"	1"
CH 50 XHC 4-6	50/10-Incl.	1	230	1,3	1,7	5	40-52	1¼"	1"
CH 50 XHC 4-7	50/10-Incl.	1	230	1,5	2	5	44-64	1¼"	1"
CH 100 XHC 2-6	100/10-Incl.	1	230	0,75	1	3,2	35-50	1"	1"
CH 100 XHC 2-7	100/10-Incl.	1	230	1	1,36	3,5	43-63	1"	1"
CH 100 XHC 4-6	100/10-Incl.	1	230	1,3	1,7	5	40-52	1¼"	1"
CH 100 XHC 4-7	100/10-Incl.	1	230	1,5	2	5	44-64	1¼"	1"
CH 100 XHC 8-25	100/10-Incl.	1	230	1,5	2	5	30-45	1½"	1½"
CH 100 XHC 8-30	100/10-Incl.	3	400	1,85	2,5	5	35-50	1½"	1½"
CH 100 XHC 8-35	100/10-Incl.	3	400	2,2	3	5	40-55	1½"	1½"
CH 100 XHC 8-40	100/10-Incl.	3	400	2,2	3	5	45-65	1½"	1½"
CH 100 XHC 8-50	100/10-Incl.	3	400	3	4	5	55-75	1½"	1½"

# CH

## CH 24, CH 50, CH 100

### Small Automatic Water Boosters

#### Performance curves

