ZEHNDER PUMPEN GMBH

PRESSURE BOOSTER SYSTEMS ZPV SERIES

SOLUTIONS

for reliable and demand-driven water pressure control

zehnder® PUMPEN

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PRESSURE BOOSTER SYSTEMS – ZPV SERIES

for constant and demand-driven water pressure

Zehnder pressure booster systems are designed for **automatic, demand-controlled pressure boosting in drinking water, service water and cooling water systems.** They **ensure constant system pressure**, even under fluctuating demand or low inlet pressure. The systems are available as **single, duplex or triplex units** and are **suitable for residential, commercial and industrial applications.**

Applications

Main Applications

- *Pressure boosting in water supply systems*

Pumped Media

- *Drinking water*
- *Service water*
- *Cooling water*
- *Liquids that are non-aggressive to the materials used*

Technical Design

- *Variable-speed controlled multistage pumps*
- *Diaphragm pressure vessel according to DIN 4807-5*
- *Hydraulic components made of stainless steel / brass*
- *Non-return valve for each pump*
- *Flexible suction and discharge connections (threaded or flanged)*

Drive

- *Electric motor*
- *Protection class IP55*
- ***Efficiency class IE5** in accordance with IEC 60034-30*

Control & Automation

- *Variable-speed operation*
- *Integrated display in each drive*
- *Pressure transmitter for pressure monitoring*
- *Potential-free signal contacts*
- *Optional connection to building management systems (BMS) for remote monitoring and control*

Operating Range

Parameter	Value
Flow rate	≤ 65.4[1] Q [m³/h]
	≤ 18.2[1] Q [l/s]
Head	≤ 136 H [m]
Temperature range	≥ 0 T_{min} [°C]
	≤ +60 T_{max} [°C]
Operating pressure	≤ 16 p [bar]
Inlet pressure	≤ 5[2] p_{vor} [bar]

1) For 3-pump systems (without standby pump)
2) For higher inlet pressure, consultation required

MATERIALS AND OPERATING FUNCTIONS

1 MATERIALS

All components of the ZPV pressure booster systems that come into contact with the pumped medium are made of corrosion-resistant stainless steel or plastics approved for drinking water applications. The selected materials comply with the requirements of the German Drinking Water Ordinance (TrinkwV) and are suitable for operating pressures up to 16 bar.

Component	Material
Pump housing	1.4308 (AISI 304, precision casting)
Pump sleeve	1.4301 (AISI 304 / V2A)
Hydraulics	1.4301 (AISI 304 / V2A)
Mechanical seal	in accordance with EN 12756
Elastomer	EPDM (drinking-water approved)
Base plate	Steel, powder-coated
Shut-off valve	Brass, nickel-plated
Non-return valve	POM (food-grade compliant)
Diaphragm vessel connection	1.4401 (AISI 316 / V4A)
Diaphragm	Drinking-water approved (certified)

All materials comply with the applicable requirements of the Drinking Water Ordinance (TrinkwV) and DIN EN 12502.

2 AUTOMATIC OPERATION

A pressure transmitter continuously measures the system pressure and transmits the measured value to the control unit.

Integrated frequency converters continuously control the pump speed, ensuring demand-controlled operation. Additional pumps are automatically switched on or off depending on demand, ensuring **optimal energy use at all times.**
In multi-pump systems, the standby function is automatically alternated between all pumps. This prevents water stagnation and temperature rise. If an operating pump fails, the system immediately switches to the next available pump. At the same time, **a fault signal is issued via potential-free alarm contacts.** If the **flow rate approaches zero** (zero-flow condition), the system gradually ramps down and stops. This protects the pipework, reduces switching frequency and **extends the service life of all pressurised components.**

3 MANUAL OPERATION

When operating in **manual mode, a minimum flow rate must be maintained.**
This prevents excessive heating of the pumped medium within the pump and protects the **mechanical seal from thermal overload.** Manual operation is intended **exclusively for commissioning, maintenance and testing purposes.**

For further information, please contact:

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www.zehnder-pumpen.de

PRESSURE BOOSTER SYSTEMS – AT A GLANCE

1. **Control cabinet**
   with integrated motor protection
2. **Pump -**
   Variable-speed controlled vertical multistage centrifugal pump
3. **Control cabinet**
   with integrated speed control and LCD display
4. **Flow-through diaphragm pressure vessel**
   made of steel with drinking water-approved diaphragm
5. **Stainless steel manifold**
6. **Base frame**
   with vibration-damping rubber feet

KEY FEATURES AT A GLANCE

Maximum Energy Efficiency & Constant Pressure
Continuous speed control of all pumps, combined with state-of-the-art IE5 motors, ensures precise adaptation to demand, maintaining constant system pressure with minimal energy consumption.

Maximum Operational Reliability
Integrated dry-running protection continuously monitors the system and prevents costly pump damage caused by insufficient inlet pressure or dry running.

Maximum Hygiene for Drinking Water Applications
Maximum hygiene for sensitive applications: Manufactured under strict hygienic conditions in compliance with current drinking water regulations.

Intelligent Pipe Protection
The pipeline filling function (for the three-phase 400 V version) ensures smooth system start-up and protects the downstream pipe system from pressure surges (water hammer).

Plug-and-Play Commissioning
Minimal on-site installation time: Delivered fully pre-assembled, wired, hydraulically tested and pre-configured.

Seamless Building Integration (BMS)
Full monitoring and control: Potential-free contacts enable easy integration into building management systems (BMS) for remote monitoring and control.

Durability & Corrosion Protection
Designed for continuous heavy-duty operation: High-quality stainless steel components and powder-coated base frames ensure long-term corrosion resistance.

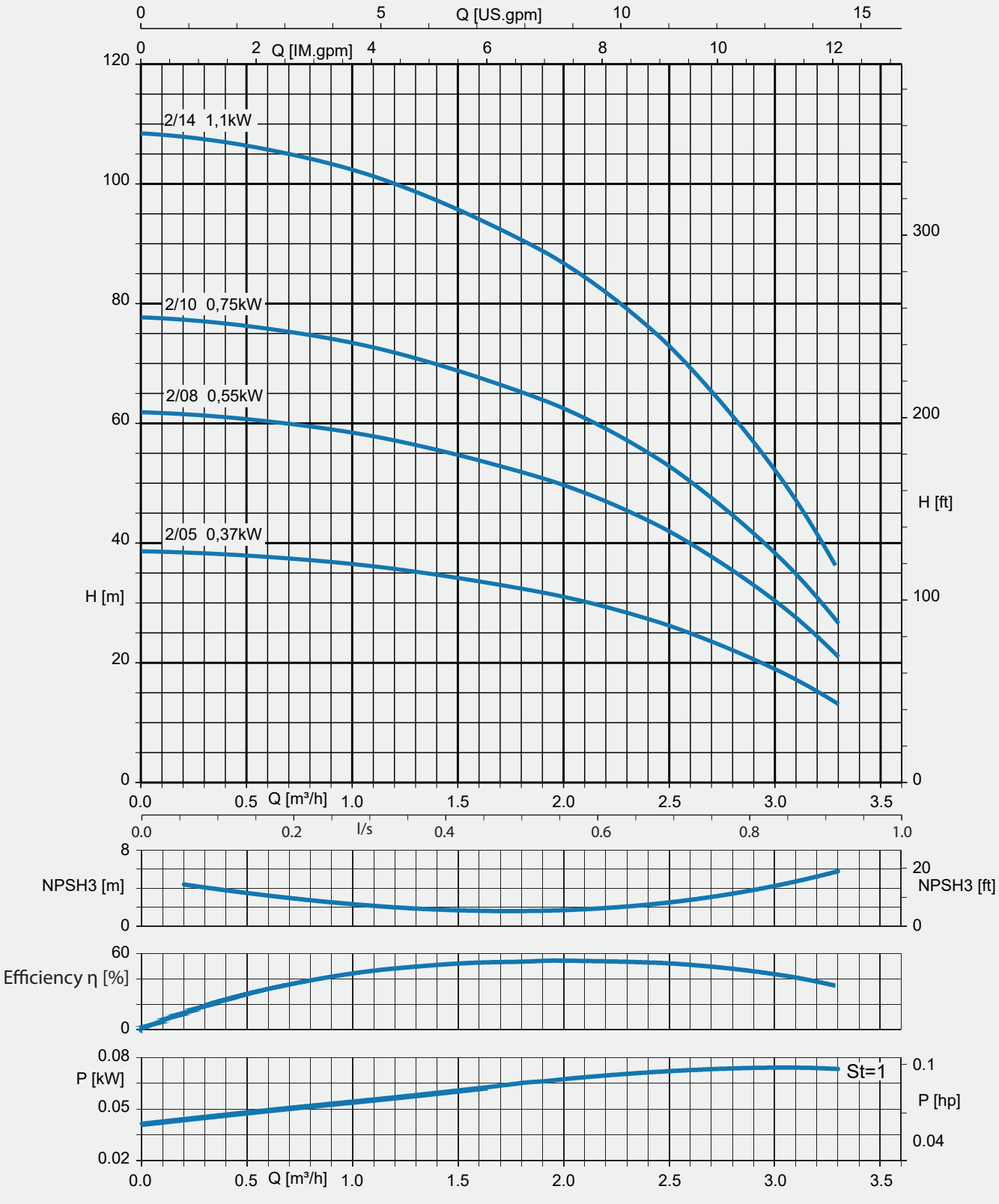
Flexible Connection Options
Flexible suction and discharge connections allow installation in various configurations (threaded or flanged).

DVGW

WRAS APPROVED PRODUCT

ACS Attestation de Conformité Sanitaire

PERFORMANCE CURVES - SIZE 2



St = 1 / P per stage

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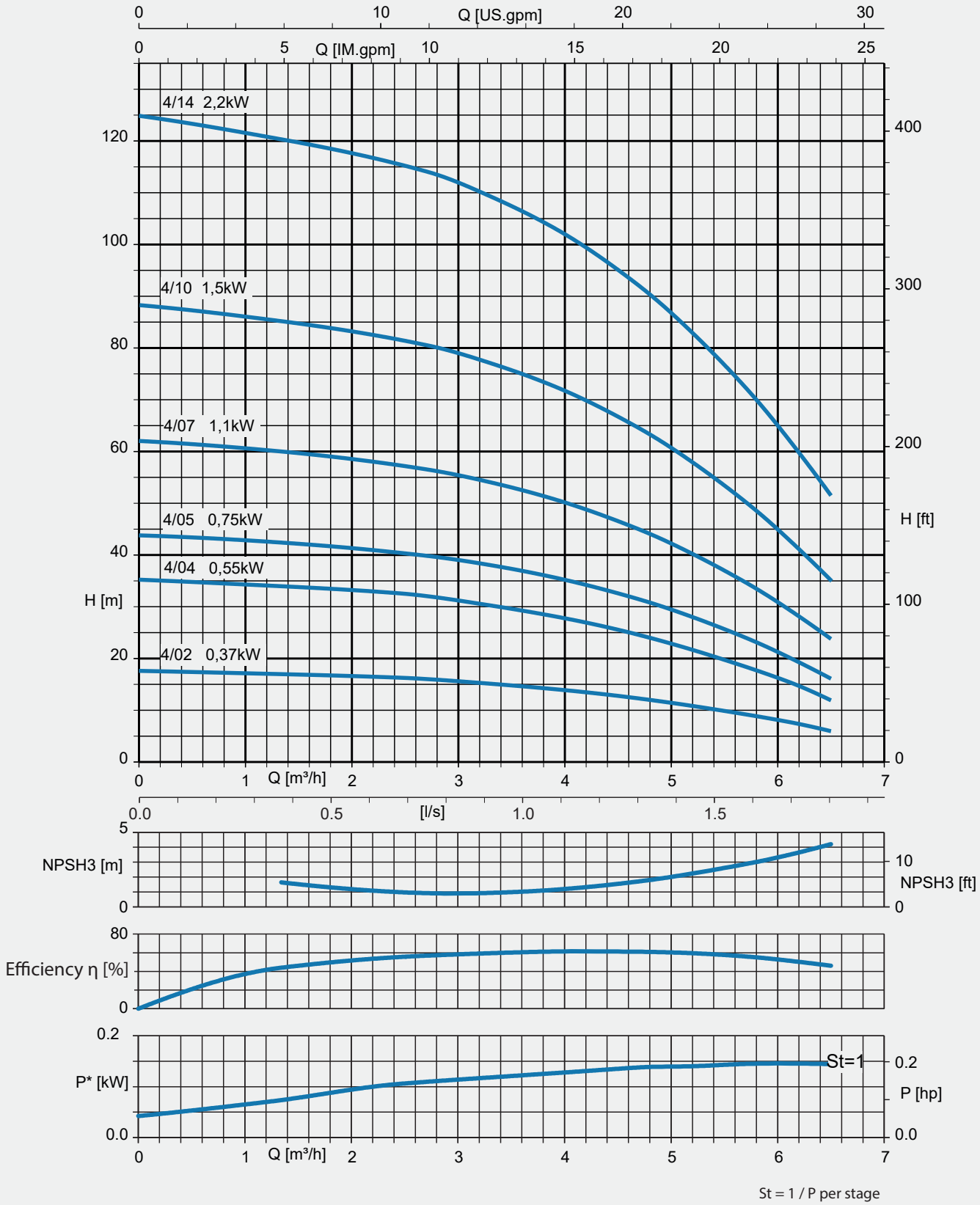

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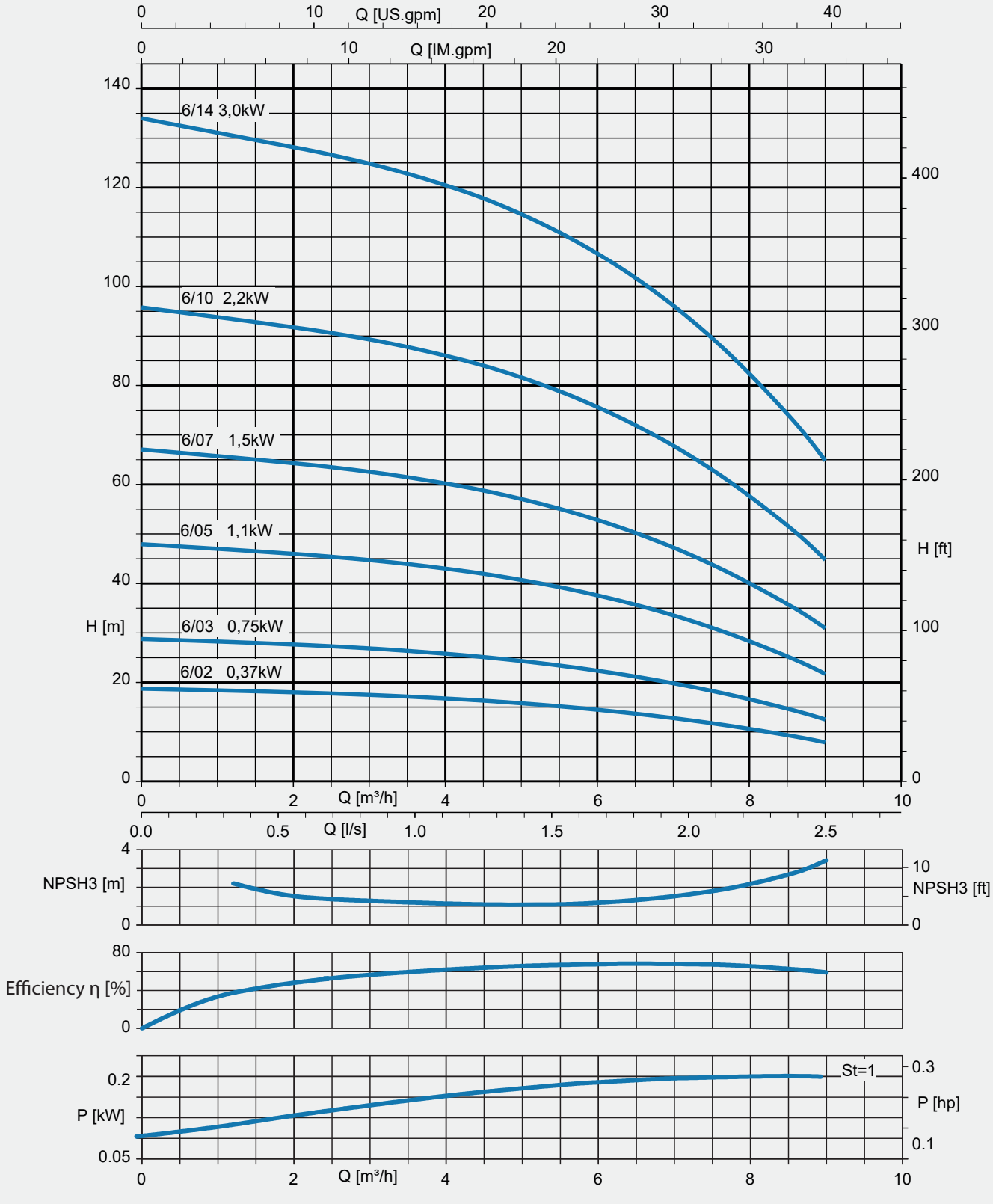

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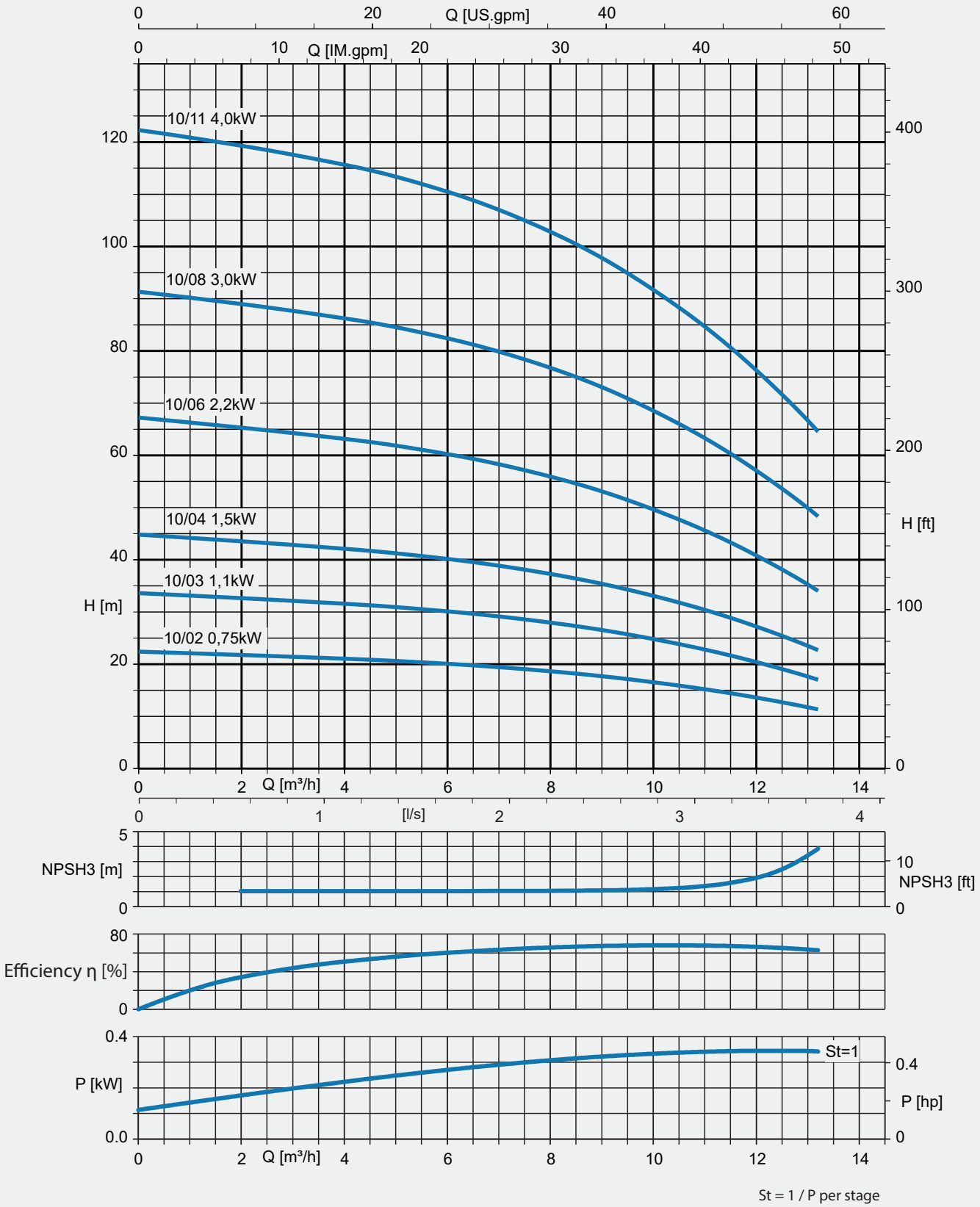

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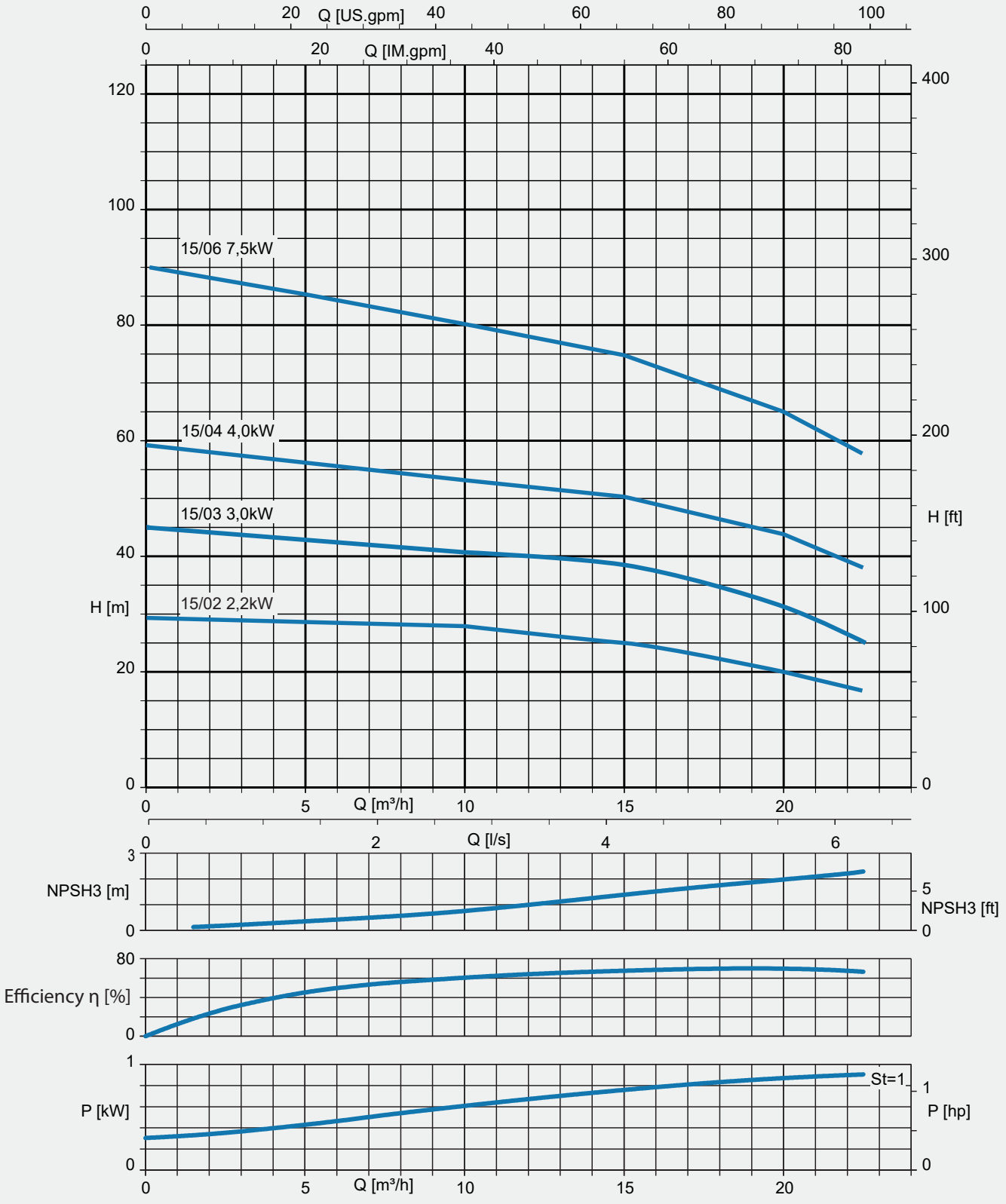
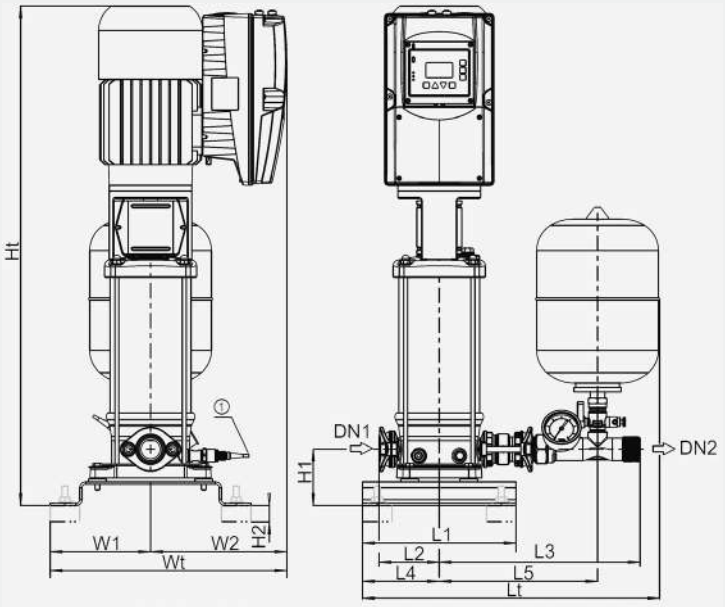


St = 1 / P per stage

SINGLE SYSTEMS

Type	Article No.	Qmax [m^3/h]	Hmax [m]	Rated power Pn [kW]	Efficiency class	I_n [A]	Sound pressure level [dB(A)]	Protection class	Inlet pressure [bar]	PN	Weight [kg]
ZPV I-2-5	21890	3.25	38	0.37	IE5	1.3	70	IP55	5	10	34
ZPV I-2-8	21891	3.25	62	0.55	IE5	1.6	70	IP55	5	16	34
ZPV I-2-10	21892	3.25	77	0.75	IE5	2.1	70	IP55	5	16	41
ZPV I-2-14	21893	3.25	107	1.10	IE5	3.0	70	IP55	5	16	43
ZPV I-4-2	21894	6.5	17	0.37	IE5	1.3	70	IP55	5	10	33
ZPV I-4-4	21895	6.5	33	0.55	IE5	1.6	70	IP55	5	10	33
ZPV I-4-5	21896	6.5	44	0.75	IE5	2.1	70	IP55	5	10	39
ZPV I-4-7	21897	6.5	61	1.10	IE5	3.0	70	IP55	5	16	40
ZPV I-4-10	21898	6.5	87	1.50	IE5	4.1	70	IP55	5	16	44
ZPV I-4-14	21899	6.5	123	2.20	IE5	5.6	70	IP55	3.5	16	48
ZPV I-6-2	21900	9	18	0.37	IE5	1.3	70	IP55	5	10	33
ZPV I-6-3	21901	9	28	0.75	IE5	2.1	70	IP55	5	10	39
ZPV I-6-5	21902	9	47	1.10	IE5	3.0	70	IP55	5	10	40
ZPV I-6-7	21903	9	66	1.50	IE5	4.1	70	IP55	5	16	43
ZPV I-6-10	21904	9	95	2.20	IE5	5.6	70	IP55	5	16	47
ZPV I-6-14	21905	9	136	3.00	IE5	7.6	71	IP55	2.5	16	58
ZPV I-10-2	21906	13	22	0.75	IE5	2.1	70	IP55	5	10	50
ZPV I-10-3	21907	13	33	1.10	IE5	3.0	70	IP55	5	10	52
ZPV I-10-4	21908	13	44	1.50	IE5	4.1	70	IP55	5	10	54
ZPV I-10-6	21909	13	66	2.20	IE5	5.6	70	IP55	5	16	60
ZPV I-10-8	21910	13	91	3.00	IE5	7.6	71	IP55	5	16	69
ZPV I-10-11	21911	13	124	4.00	IE5	9.4	71	IP55	3.5	16	85
ZPV I-15-2	21912	22	29	2.20	IE5	5.6	70	IP55	5	10	56
ZPV I-15-3	21913	22	45	3.00	IE5	7.6	71	IP55	5	10	64
ZPV I-15-4	21914	22	61	4.00	IE5	9.4	71	IP55	5	16	77
ZPV I-15-6	21915	22	93	7.50	IE5	16.7	71	IP55	5	16	83

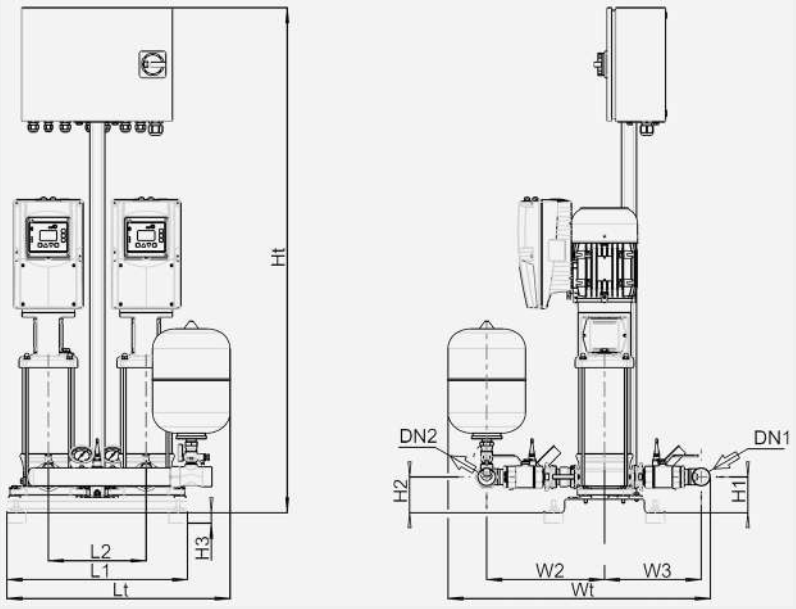
Number of pumps	Size	Number of stages	DN 1 [mm]	DN 2 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	Lt [mm]	H1 [mm]	H2 [mm]	Ht [mm]	W1 [mm]	W2 [mm]	Wt [mm]
1	02	05	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	643	170	220	390
1	02	08	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	718	170	220	390
1	02	10	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	761	170	235	405
1	02	14	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	847	170	235	405
1	04	02	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	579	170	220	390
1	04	04	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	622	170	220	390
1	04	05	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	653	170	235	405
1	04	07	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	698	170	235	405
1	04	10	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	783	170	240	410
1	04	14	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	893	170	230	400
1	06	02	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	586	170	220	390
1	06	03	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	621	170	235	405
1	06	05	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	671	170	235	405
1	06	07	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	743	170	240	410
1	06	10	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	842	170	230	400
1	06	14	G 1 1/4	G 1 1/4	260	102	340	130	268	503	95	28	982	170	240	410
1	10	02	G 1 1/2	G 1 1/2	340	129	379	170	309	584	125	28	666	190	235	425
1	10	03	G 1 1/2	G 1 1/2	340	129	379	170	309	584	125	28	692	190	235	425
1	10	04	G 1 1/2	G 1 1/2	340	129	379	170	309	584	125	28	741	190	240	430
1	10	06	G 1 1/2	G 1 1/2	340	129	379	170	309	584	125	28	818	190	230	420
1	10	08	G 1 1/2	G 1 1/2	340	129	379	170	309	584	125	28	911	190	240	430
1	10	11	G 1 1/2	G 1 1/2	340	129	379	170	309	584	125	28	1011	190	255	445
1	15	02	G 2	G 2	340	129	379	170	309	584	125	28	688	190	230	420
1	15	03	G 2	G 2	340	129	379	170	309	584	125	28	778	190	240	430
1	15	04	G 2	G 2	340	129	379	170	309	584	125	28	826	190	255	445
1	15	06	G 2	G 2	340	129	379	170	309	584	125	28	981	190	310	500



DUPLEX SYSTEMS

Type	Article No.	Qmax [m^3/h]	Hmax [m]	Rated power Pn [kW]	Efficiency class	I_n [A]	Sound pressure level [dB(A)]	Protection class	Inlet pressure [bar]	PN	Weight [kg]
ZPV II-2-5	21917	3.25	38	0.37	IE5	1.3	70	IP55	5	10	83
ZPV II-2-8	21918	3.25	62	0.55	IE5	1.6	70	IP55	5	16	83
ZPV II-2-10	21919	3.25	77	0.75	IE5	2.1	70	IP55	5	16	99
ZPV II-2-14	21920	3.25	107	1.10	IE5	3.0	70	IP55	5	16	102
ZPV II-4-2	21921	6.5	17	0.37	IE5	1.3	70	IP55	5	10	81
ZPV II-4-4	21922	6.5	33	0.55	IE5	1.6	70	IP55	5	10	82
ZPV II-4-5	21923	6.5	44	0.75	IE5	2.1	70	IP55	5	10	94
ZPV II-4-7	21924	6.5	61	1.10	IE5	3.0	70	IP55	5	16	96
ZPV II-4-10	21925	6.5	87	1.50	IE5	4.1	70	IP55	5	16	103
ZPV II-4-14	21926	6.5	123	2.20	IE5	5.6	70	IP55	3.5	16	111
ZPV II-6-2	21927	9	18	0.37	IE5	1.3	70	IP55	5	10	82
ZPV II-6-3	21928	9	28	0.75	IE5	2.1	70	IP55	5	10	95
ZPV II-6-5	21929	9	47	1.10	IE5	3.0	70	IP55	5	10	96
ZPV II-6-7	21930	9	66	1.50	IE5	4.1	70	IP55	5	16	103
ZPV II-6-10	21931	9	95	2.20	IE5	5.6	70	IP55	5	16	112
ZPV II-6-14	21932	9	136	3.00	IE5	7.6	71	IP55	2.5	16	133
ZPV II-10-2	21933	13	22	0.75	IE5	2.1	70	IP55	5	10	120
ZPV II-10-3	21934	13	33	1.10	IE5	3.0	70	IP55	5	10	125
ZPV II-10-4	21935	13	44	1.50	IE5	4.1	70	IP55	5	10	130
ZPV II-10-6	21936	13	66	2.20	IE5	5.6	70	IP55	5	16	141
ZPV II-10-8	21937	13	91	3.00	IE5	7.6	71	IP55	5	16	158
ZPV II-10-11	21938	13	124	4.00	IE5	9.4	71	IP55	3.5	16	194
ZPV II-15-2	21939	22	29	2.20	IE5	5.6	70	IP55	5	10	139
ZPV II-15-3	21940	22	45	3.00	IE5	7.6	71	IP55	5	10	154
ZPV II-15-4	21941	22	61	4.00	IE5	9.4	71	IP55	5	16	182
ZPV II-15-6	21942	22	93	7.5	IE5	16.7	71	IP55	5	16	196

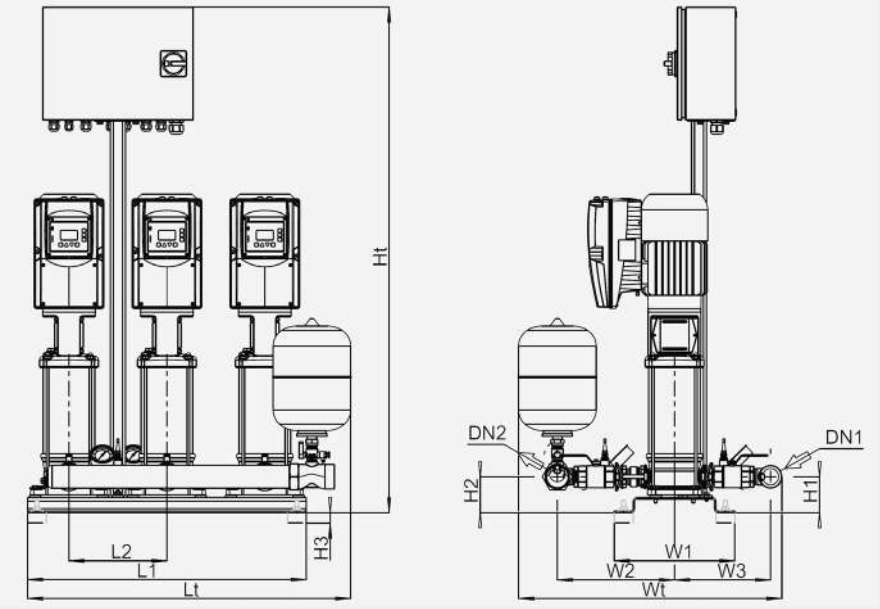
Num-ber of pumps	Size	Num-ber of stages	DN 1	DN 2	L1 [mm]	L2 [mm]	Lt [mm]	H1 [mm]	H2 [mm]	Ht [mm]	W1 [mm]	W2 [mm]	W3 [mm]	Wt [mm]
2	02	05	G 1 1/2	G 1 1/2	480	260	595	95	95	1040	320	291	235	655
2	02	08	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	291	235	655
2	02	10	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	291	235	655
2	02	14	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	291	235	655
2	04	02	G 1 1/2	G 1 1/2	480	260	595	95	95	1040	320	291	235	655
2	04	04	G 1 1/2	G 1 1/2	480	260	595	95	95	1040	320	291	235	655
2	04	05	G 1 1/2	G 1 1/2	480	260	595	95	95	1040	320	291	235	655
2	04	07	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	291	235	655
2	04	10	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	291	235	655
2	04	14	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	291	235	655
2	06	02	G 1 1/2	G 1 1/2	480	260	595	95	95	1040	320	305	249	683
2	06	03	G 1 1/2	G 1 1/2	480	260	595	95	95	1040	320	305	249	683
2	06	05	G 1 1/2	G 1 1/2	480	260	595	95	95	1040	320	305	249	683
2	06	07	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	305	249	683
2	06	10	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	305	249	683
2	06	14	G 1 1/2	G 1 1/2	480	260	595	95	95	1340	320	305	249	683
2	10	02	G 2	G 2	640	340	740	125	125	1040	360	373	297	805
2	10	03	G 2	G 2	640	340	740	125	125	1340	360	373	297	805
2	10	04	G 2	G 2	640	340	740	125	125	1340	360	373	297	805
2	10	06	G 2	G 2	640	340	740	125	125	1340	360	373	297	805
2	10	08	G 2	G 2	640	340	740	125	125	1340	360	373	297	805
2	10	11	G 2	G 2	640	340	740	125	125	1340	360	373	297	805
2	15	02	DN 65 PN 16	DN 65 PN 16	640	340	715	125	125	1340	360	408	332	938
2	15	03	DN 65 PN 16	DN 65 PN 16	640	340	715	125	125	1340	360	408	332	938
2	15	04	DN 65 PN 16	DN 65 PN 16	640	340	715	125	125	1340	360	408	332	938
2	15	06	DN 65 PN 16	DN 65 PN 16	640	340	715	125	125	1590	360	408	332	938



TRIPLEX SYSTEMS

Type	Article No.	Qmax [m³/h]	Hmax [m]	Rated power Pn [kW]	Efficiency class	I_n [A]	Sound pressure level [dB(A)]	Protection class	Inlet pressure [bar]	PN	Weight [kg]
ZPV III-2-5	21944	3.25	38	0.37	IE5	1.3	70	IP55	5	10	114
ZPV III-2-8	21945	3.25	62	0.55	IE5	1.6	70	IP55	5	16	115
ZPV III-2-10	21946	3.25	77	0.75	IE5	2.1	70	IP55	5	16	137
ZPV III-2-14	21947	3.25	107	1.10	IE5	3.0	70	IP55	5	16	142
ZPV III-4-2	21948	6.5	17	0.37	IE5	1.3	70	IP55	5	10	111
ZPV III-4-4	21949	6.5	33	0.55	IE5	1.6	70	IP55	5	10	112
ZPV III-4-5	21950	6.5	44	0.75	IE5	2.1	70	IP55	5	10	130
ZPV III-4-7	21951	6.5	61	1.10	IE5	3.0	70	IP55	5	16	133
ZPV III-4-10	21952	6.5	87	1.50	IE5	4.1	70	IP55	5	16	144
ZPV III-4-14	21953	6.5	123	2.20	IE5	5.6	70	IP55	3.5	16	155
ZPV III-6-2	21954	9	18	0.37	IE5	1.3	70	IP55	5	10	113
ZPV III-6-3	21955	9	28	0.75	IE5	2.1	70	IP55	5	10	132
ZPV III-6-5	21956	9	47	1.10	IE5	3.0	70	IP55	5	10	134
ZPV III-6-7	21957	9	66	1.50	IE5	4.1	70	IP55	5	16	143
ZPV III-6-10	21958	9	95	2.20	IE5	5.6	70	IP55	5	16	157
ZPV III-6-14	21959	9	136	3.00	IE5	7.6	71	IP55	2.5	16	189
ZPV III-10-2	21960	13	22	0.75	IE5	2.1	70	IP55	5	10	169
ZPV III-10-3	21961	13	33	1.10	IE5	3.0	70	IP55	5	10	177
ZPV III-10-4	21962	13	44	1.50	IE5	4.1	70	IP55	5	10	184
ZPV III-10-6	21963	13	66	2.20	IE5	5.6	70	IP55	5	16	200
ZPV III-10-8	21964	13	91	3.00	IE5	7.6	71	IP55	5	16	226
ZPV III-10-11	21965	13	124	4.00	IE5	9.4	71	IP55	3.5	16	276
ZPV III-15-2	21966	22	29	2.20	IE5	5.6	70	IP55	5	10	167
ZPV III-15-3	21967	22	45	3.00	IE5	7.6	71	IP55	5	10	220
ZPV III-15-4	21968	22	61	4.00	IE5	9.4	71	IP55	5	16	261
ZPV III-15-6	21969	22	93	7.5	IE5	16.7	71	IP55	5	16	278

Num-ber of pumps	Size	Number of stages	DN 1	DN 2	L1 [mm]	L2 [mm]	Lt [mm]	H1 [mm]	H2 [mm]	Ht [mm]	W1 [mm]	W2 [mm]	W3 [mm]	Wt [mm]
3	02	05	G 1 1/2	G 1 1/2	740	260	855	95	95	1040	320	291	235	655
3	02	08	G 1 1/2	G 1 1/2	740	260	855	95	95	1340	320	291	235	655
3	02	10	G 1 1/2	G 1 1/2	740	260	855	95	95	1340	320	291	235	655
3	02	14	G 1 1/2	G 1 1/2	740	260	855	95	95	1340	320	291	235	655
3	04	02	G 1 1/2	G 1 1/2	740	260	855	95	95	1040	320	291	235	655
3	04	04	G 1 1/2	G 1 1/2	740	260	855	95	95	1040	320	291	235	655
3	04	05	G 1 1/2	G 1 1/2	740	260	855	95	95	1040	320	291	235	655
3	04	07	G 1 1/2	G 1 1/2	740	260	855	95	95	1340	320	291	235	655
3	04	10	G 1 1/2	G 1 1/2	740	260	855	95	95	1340	320	291	235	655
3	04	14	G 1 1/2	G 1 1/2	740	260	855	95	95	1340	320	291	235	655
3	06	02	G 2	G 2	740	260	855	95	95	1040	320	311	255	701
3	06	03	G 2	G 2	740	260	855	95	95	1340	320	311	255	701
3	06	05	G 2	G 2	740	260	855	95	95	1340	320	311	255	701
3	06	07	G 2	G 2	740	260	855	95	95	1340	320	311	255	701
3	06	10	G 2	G 2	740	260	855	95	95	1340	320	311	255	701
3	06	14	G 2	G 2	740	260	855	95	95	1340	320	311	255	701
3	10	02	G 2	G 2	980	340	1080	125	125	1040	360	373	297	805
3	10	03	G 2	G 2	980	340	1080	125	125	1340	360	373	297	805
3	10	04	G 2	G 2	980	340	1080	125	125	1340	360	373	297	805
3	10	06	G 2	G 2	980	340	1080	125	125	1340	360	373	297	805
3	10	08	G 2	G 2	980	340	1080	125	125	1340	360	373	297	805
3	10	11	G 2	G 2	980	340	1080	125	125	1340	360	373	297	805
3	15	02	DN 65 PN 16	DN 65 PN 16	980	340	1055	125	125	1340	360	408	332	938
3	15	03	DN 65 PN 16	DN 65 PN 16	980	340	1055	125	125	1340	360	408	332	938
3	15	04	DN 65 PN 16	DN 65 PN 16	980	340	1055	125	125	1340	360	408	332	938
3	15	06	DN 65 PN 16	DN 65 PN 16	980	340	1055	125	125	1340	360	408	332	938



SINGLE PUMPS

Type	Article No.	Qmax [m³/h]	Hmax [m]	Rated power Pn [kW]	Efficiency class	I_n [A]	Sound pressure level [dB(A)]	Protection class	Inlet pressure [bar]	PN	Weight [kg]
ZPV 2-5	22105	3.25	38	0.37	IE5	1.3	70	IP55	5	10	19
ZPV 2-8	22106	3.25	62	0.55	IE5	1.6	70	IP55	5	16	20
ZPV 2-10	22107	3.25	77	0.75	IE5	2.1	70	IP55	5	16	27
ZPV 2-14	22108	3.25	107	1.10	IE5	3.0	70	IP55	5	16	29
ZPV 4-2	22109	6.5	17	0.37	IE5	1.3	70	IP55	5	10	18
ZPV 4-4	22110	6.5	33	0.55	IE5	1.6	70	IP55	5	10	19
ZPV 4-5	22111	6.5	44	0.75	IE5	2.1	70	IP55	5	10	25
ZPV 4-7	22112	6.5	61	1.10	IE5	3.0	70	IP55	5	16	26
ZPV 4-10	22113	6.5	87	1.50	IE5	4.1	70	IP55	5	16	33
ZPV 4-14	22114	6.5	123	2.20	IE5	5.6	70	IP55	3.5	16	36
ZPV 6-2	22115	9	18	0.37	IE5	1.3	70	IP55	5	10	18
ZPV 6-3	22116	9	28	0.75	IE5	2.1	70	IP55	5	10	25
ZPV 6-5	22117	9	47	1.10	IE5	3.0	70	IP55	5	10	26
ZPV 6-7	22118	9	66	1.50	IE5	4.1	70	IP55	5	16	32
ZPV 6-10	22119	9	95	2.20	IE5	5.6	70	IP55	5	16	35
ZPV 6-14	22120	9	136	3.00	IE5	7.6	71	IP55	2.5	16	47
ZPV 10-2	22121	13	22	0.75	IE5	2.1	70	IP55	5	10	33
ZPV 10-3	22122	13	33	1.10	IE5	3.0	70	IP55	5	10	36
ZPV 10-4	22123	13	44	1.50	IE5	4.1	70	IP55	5	10	41
ZPV 10-6	22124	13	66	2.20	IE5	5.6	70	IP55	5	16	45
ZPV 10-8	22125	13	91	3.00	IE5	7.6	71	IP55	5	16	55
ZPV 10-11	22126	13	124	4.00	IE5	9.4	71	IP55	3.5	16	64
ZPV 15-2	22127	22	29	2.20	IE5	5.6	70	IP55	5	10	41
ZPV 15-3	22128	22	45	3.00	IE5	7.6	71	IP55	5	10	50
ZPV 15-4	22129	22	61	4.00	IE5	9.4	71	IP55	5	16	56
ZPV 15-6	22130	22	93	7.50	IE5	16.7	71	IP55	5	16	96

*Connection: Oval flange, mating piece included.

RELIABLE SELECTION OF PRESSURE BOOSTER SYSTEMS

Our checklist supports system design – and our experts are available to assist with any further questions.

Planning Guide for Pressure Booster Systems

Proper planning ensures that the system is correctly matched to on-site requirements.
Our design **checklist helps you define all relevant technical and site-specific parameters** step by step – from required flow rate and pressure to installation conditions.

Scan the QR code to access the design checklist online

or visit:
www.zehnder-pumpen.de/Service/Download

Technical Support & Consultation

For technical questions or complex project requirements, our team provides expert support.
We assist you in selecting the most suitable standard system for your application.

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