

VALAV

Circulator pumps



PRODUCTS



eVAL3+
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eVAL1+ MAX
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eVAL1+
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VAL
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VAL DHW
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Products

		eVAL3+	eVAL3	eVAL2	eVAL1+MAX	eVAL1+	eVAL1	VAL	VAL DHW
Application									
domestic hot water (DHW)		-	-	-	✓	✓	-	✓	✓
heating system		✓	✓	✓	✓	✓	✓	✓	-
solar		✓	✓	✓	✓	✓	✓	✓	-
air conditioning		✓	✓	✓	✓	✓	✓	✓	-
Control Modes									
proportional pressure curves	111 - - - -	3	3	3	3	3	1	-	-
constant pressure curves	11 - - -	3	3	3	3	3	1	-	-
constant speed curves	111 - - -	3	3	3	3	3	1	3	3
ECO mode	E - - - -	1	1	1	-	-	1	-	-
PWM H		✓	-	-	-	-	-	-	-
PWM S		✓	-	-	-	-	-	-	-
Product features									
venting plug		-	-	-	✓	✓	✓	✓	-
self-venting		✓	✓	✓	-	-	-	-	✓
power cable		✓	✓	✓	-	-	-	-	✓
smart plug		✓	✓	-	-	-	-	-	-
cathophoretic protection		✓	✓	✓	✓	✓	✓	✓	-
touch control panel		✓	✓	✓	✓	✓	✓	-	✓
work visualization		✓	✓	✓	✓	✓	✓	-	✓
one button setting		✓	✓	✓	✓	✓	✓	-	✓
setting knob		-	-	-	-	-	-	✓	-

Port-to-port length [mm]	Nominal diameter [mm]	eVAL3+	eVAL3	eVAL2	eVAL1+MAX	eVAL1+	eVAL1	VAL	VAL DHW
78	15	-	-	-	-	-	-	-	✓
120	25	-	-	-	-	✓	-	✓	-
130	15	✓	✓	✓	-	✓	✓	✓	-
130	20	✓	✓	✓	-	✓	✓	✓	-
130	25	✓	✓	✓	-	✓	✓	✓	-
180	25	✓	✓	✓	✓	✓	✓	✓	-
180	32	✓	✓	✓	✓	✓	✓	✓	-

eVAL3+

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

eVAL3+ pumps are designed for pumping clean water in domestic heating systems and industrial heating systems. Pumped liquids: non-aggressive, non-explosive liquids with low kinematic viscosity up to 10cSt, free of solids and fibres; cooling liquids, without mineral oils.

High-efficiency circulator pumps eVAL3+ are ideal for installations with variable flow rate (e.g. heating installations with radiators controlled by a thermostat) and in installations characterized by low flows and significant temperature differences of the pumped liquid (solar installations).

✓ Dual PWM control for heating and solar systems

✓ One pump with two flow (Q) and height (H) ranges – 25/4 and 25/6

✓ Easy and timesaving installation thanks to SMART PLUG

✓ One of the lowest circulators (in motor axis)

✓ 4 control modes with 12 curves



RANGE OF USE

Flow	up to 5 m³/h
Head	up to 10 m
System pressure	1,0 MPa
Liquid temperature	+2 up to 110°C

DESIGNATION KEY

eVAL3+ 25 / 8 / 180

Pump type

Nominal diameter
[mm]

Maximum head
H = 8 m

Port-to-port length [mm]

CONSTRUCTION FEATURES

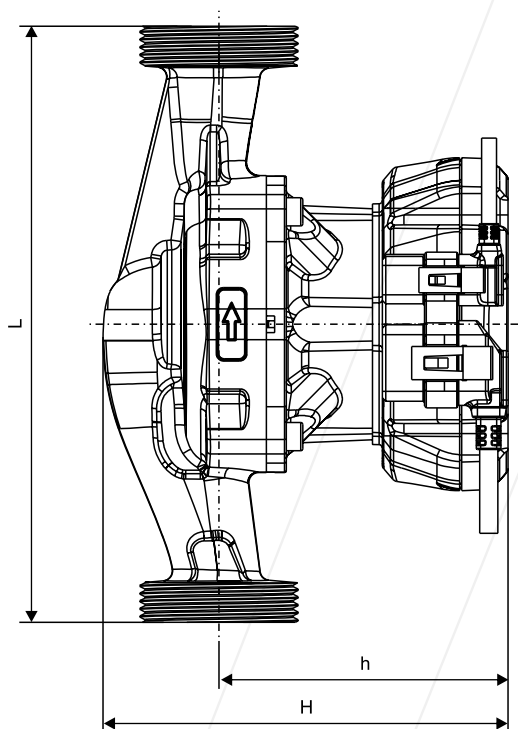
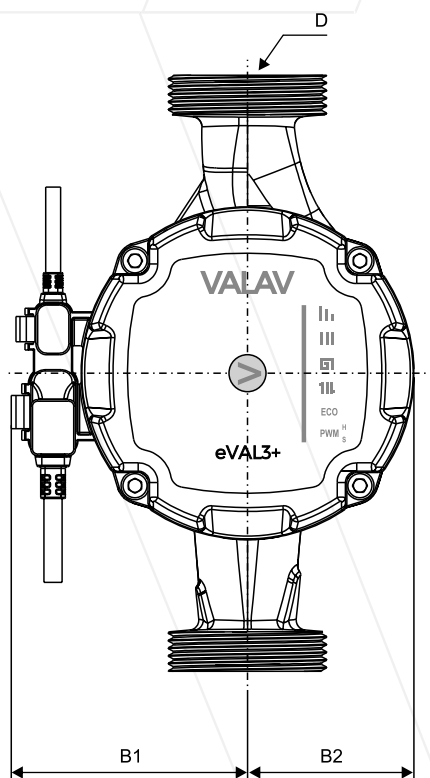
Hydraulic part:

- ✓ glandless pump,
- ✓ cast iron pump body with cataphoretic coating,
- ✓ closed impeller, composite impeller,
- ✓ threaded connections.

Motor:

- ✓ wet motor rotor,
- ✓ synchronous motor with permanent magnet,
- ✓ stepless self-regulation of rotational speed,
- ✓ ceramic shaft and bearings,
- ✓ double-insulated motor winding,
- ✓ chromium-nickel steel stator.

DIMENSIONS



Dimensions [mm]

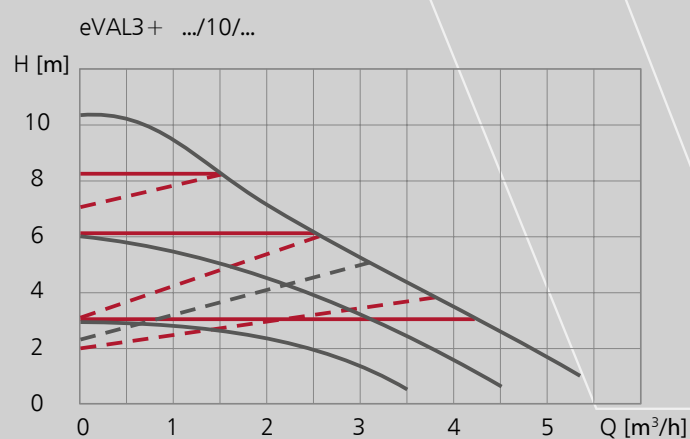
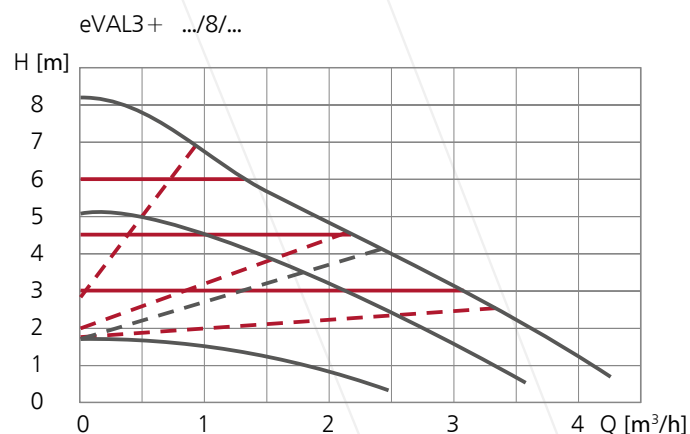
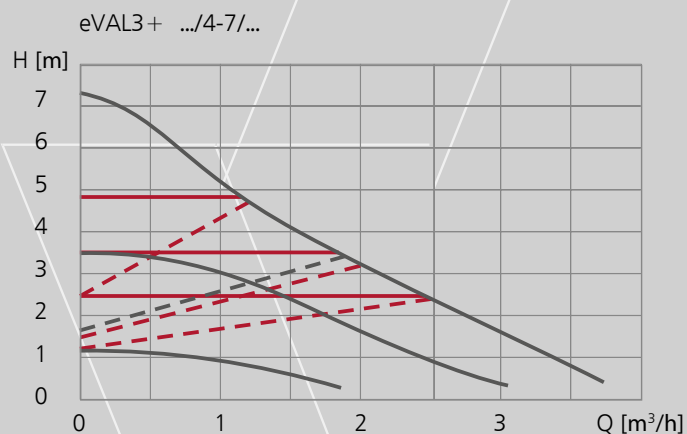
Pump type	L	H	h	B1	B2	D	Weight [kg]
eVAL3+ 15/4-7/130	130	124	95	72	50	1"	1,4
eVAL3+ 20/4-7/130	130	124	95	72	50	1 1/4"	1,5
eVAL3+ 25/4-7/130	130	124	95	72	50	1 1/2"	1,5
eVAL3+ 25/4-7/180	180	122	87	72	50	1 1/2"	1,7
eVAL3+ 32/4-7/180	180	122	87	72	50	2"	1,9
eVAL3+ 25/.../130	130	135	98	72	50	1 1/2"	1,9
eVAL3+ 25/.../180	180	133	98	72	50	1 1/2"	2,1
eVAL3+ 32/.../180	180	133	98	72	50	2"	2,3

eVAL3+

ELECTRICAL DATA

Pump type	Rated voltage [V]	EEI	P ₁ [W]		I [A]		Insulation class	Enclosure class
			min	max	min	max		
eVAL3+ .../4-7/...	1~230-240	0,19	4	45	0,04	0,21	H	IP 44
eVAL3+ .../8/...		0,20	8	65	0,05	0,39		
eVAL3+ .../10/...		0,20	9	92	0,06	0,53		

PUMP PERFORMANCE



proportional pressure curves III - - - - constant pressure curves III — constant speed curves III — ECO mode ECO - - - -

PWM PROFILES

PWM control in heating mode H

PWM input signal [%]:

- < 5: The pump operates with maximum speed
- 6-85: The pump speed decreases linearly from $n_{\max}$ to $n_{\min}$
- 86-88: The pump runs at minimum speed
- 89-93: If the input signal fluctuates near the speed change point, it will prevent the pump from starting and stopping according to the principle of hysteresis
- 94-100: Pump stops (standby)

If the signal cable is disconnected from the pump, e.g. due to an interruption, the pump accelerates to speed.

Properties of the feedback signal:

Output frequency $f_{\text{out}} 75 \text{ Hz} \pm 5\%$

Maximum interface voltage 30 V DC (<10 mA)

Properties of the feedback signal [%]:

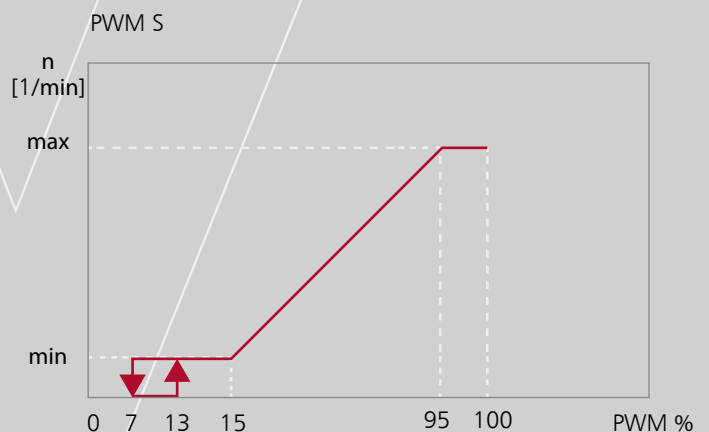
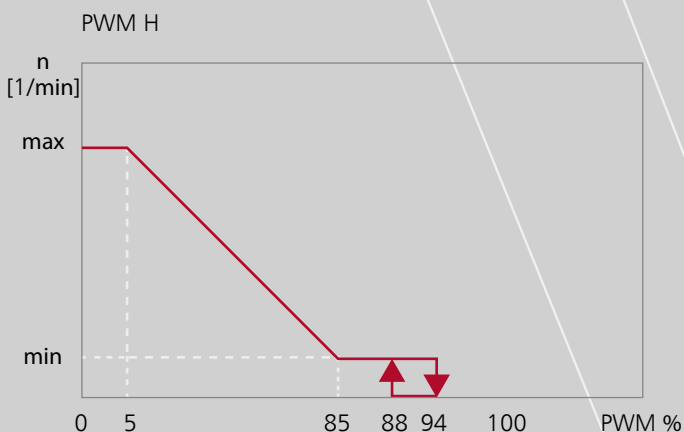
- 95: The pump is in standby state
- 90: Locked-rotor protection
- 85: Dry running protection, too high motor current, one phase in motor missing
- 80: The input voltage is too high or too low, or the winding temperature is too high
- 75: Other faults
- 0~70: Feedback at $0.03 \text{ m}^3/\text{h}$ per 1%, for eVAL3+ .../4-7/...

PWM control in solar mode S

PWM input signal [%]:

- 0-7: Pump stops (standby)
- 8-12: If the input signal fluctuates near the speed change point, it will prevent the pump from starting and stopping according to the principle of hysteresis
- 13-15: The pump runs at minimum speed
- 16-95: The pump speed increases linearly from $n_{\min}$ to $n_{\max}$
- > 95: The pump operates with maximum speed

If the signal cable is disconnected from the pump, e.g. due to an interruption, the pump stops.



eVAL3

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

eVAL3 pumps are designed for pumping clean water in domestic heating systems and industrial heating systems. Pumped liquids: non-aggressive, non-explosive liquids with low kinematic viscosity up to 10cSt, free of solids and fibres; cooling liquids, without mineral oils.

High-efficiency circulator pumps eVAL3 are ideal for installations with variable flow rate (e.g. heating installations with radiators controlled by a thermostats) and in installations characterized by low flows and significant temperature differences of the pumped liquid (solar installations).

✓ One button control

✓ One pump with two flow (Q) and height (H) ranges – 25/4 and 25/6

✓ Easy and timesaving installation thanks to SMART PLUG

✓ One of the lowest circulators (in motor axis)

✓ 3 control modes with 10 curves



RANGE OF USE

Flow	up to 3,7 m³/h
Head	up to 7 m
System pressure	1,0 MPa
Liquid temperature	+2 up to 110°C

DESIGNATION KEY

eVAL3 32 / 4-7 / 180	Maximum head H = 7 m	Port-to-port length [mm]
	Pump type	Nominal diameter [mm]

CONSTRUCTION FEATURES

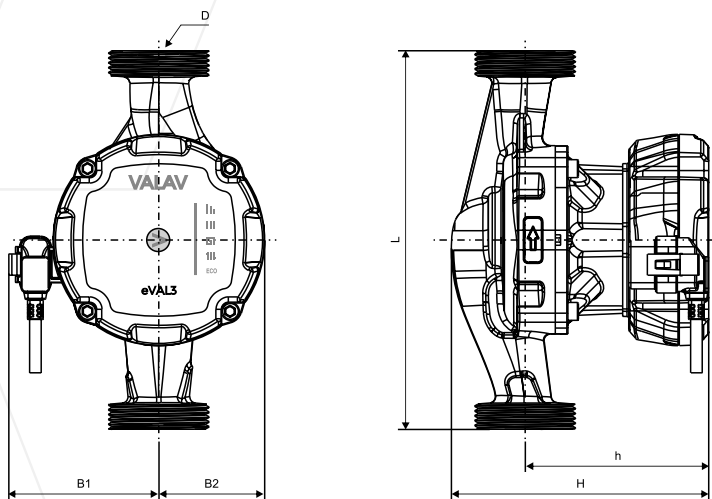
Hydraulic part:

- ✓ glandless pump,
- ✓ cast iron pump body with cataphoretic coating,
- ✓ closed impeller, composite impeller,
- ✓ threaded connections.

Motor:

- ✓ wet motor rotor,
- ✓ synchronous motor with permanent magnet,
- ✓ stepless self-regulation of rotational speed,
- ✓ ceramic shaft and bearings,
- ✓ double-insulated motor winding,
- ✓ chromium-nickel steel stator.

DIMENSIONS



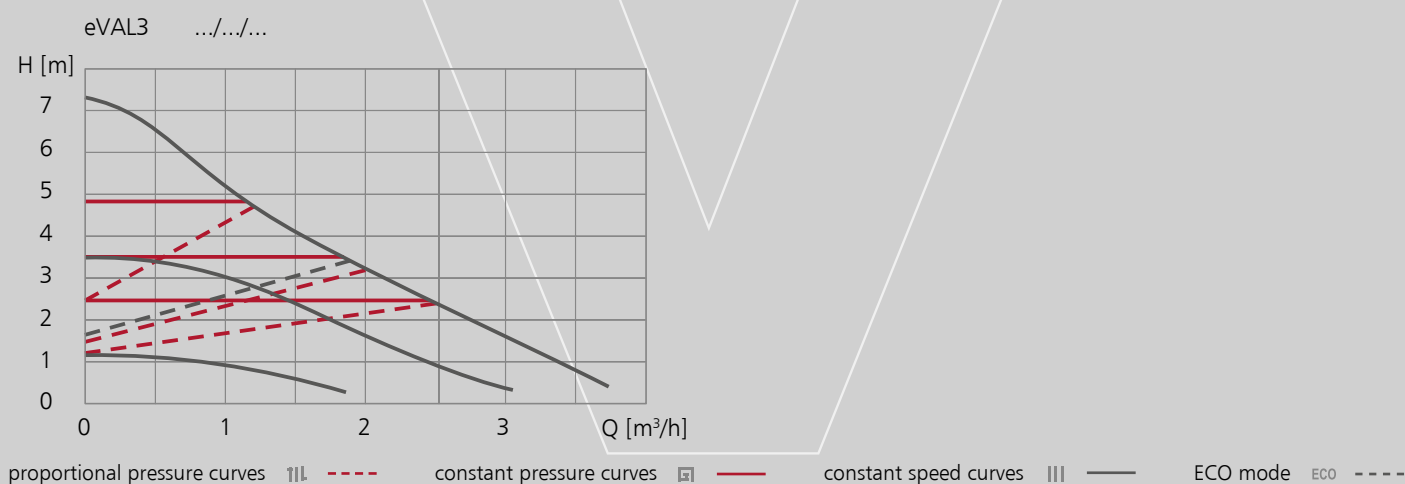
Dimensions [mm]

Pump type	L	H	h	B1	B2	D	Weight [kg]
eVAL3 15/4-7/130	130	124	95	71	50	1"	1,4
eVAL3 20/4-7/130	130	124	95	71	50	1 1/4"	1,5
eVAL3 25/4-7/130	130	124	95	71	50	1 1/2"	1,5
eVAL3 25/4-7/180	180	122	87	71	50	1 1/2"	1,7
eVAL3 32/4-7/180	180	133	98	71	50	2"	1,9

ELECTRICAL DATA

Pump type	Rated voltage [V]	EEI	P ₁ [W]		I [A]		Insulation class	Enclosure class
			min	max	min	max		
eVAL3 .../.../...	1~230-240	0,19	4	45	0,04	0,21	H	IP 44

PUMP PERFORMANCE



eVAL3

eVAL2

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

eVAL2 pumps are designed for pumping clean water in domestic heating systems and industrial heating systems. Pumped liquids: non-aggressive, non-explosive liquids with low kinematic viscosity up to 10cSt, free of solids and fibres; cooling liquids, without mineral oils.

High-efficiency circulator pumps eVAL2 are ideal for installations with variable flow rate (e.g. heating installations with radiators controlled by a thermostat) and in installations characterized by low flows and significant temperature differences of the pumped liquid (solar installations).

✓ One button control

✓ One pump with two flow (Q) and height (H) ranges – 25/4 and 25/6

✓ Ready-to-use power cable

✓ One of the lowest circulators (in motor axis)

✓ 3 control modes with 10 curves



RANGE OF USE

Flow	up to 3,7 m³/h
Head	up to 7 m
System pressure	1,0 MPa
Liquid temperature	+2 up to 110°C

DESIGNATION KEY

eVAL2 25 / 4-7 / 180

Pump type

Nominal
diameter
[mm]

Maximum
head
H = 7 m

Port-to-port
length [mm]

CONSTRUCTION FEATURES

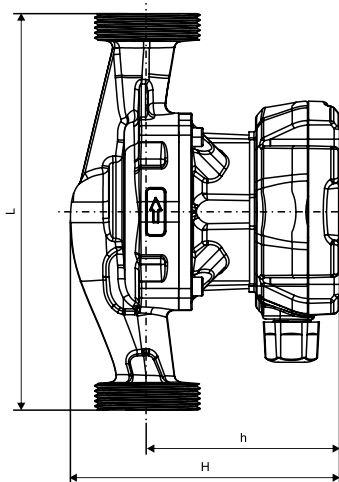
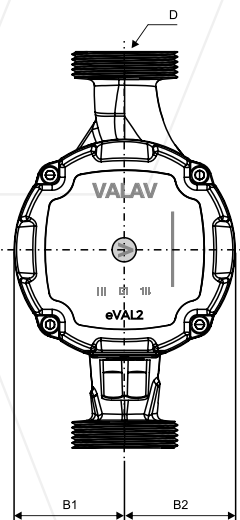
Hydraulic part:

- ✓ glandless pump,
- ✓ cast iron pump body with cataphoretic coating,
- ✓ closed impeller, composite impeller,
- ✓ threaded connections.

Motor:

- ✓ wet motor rotor,
- ✓ synchronous motor with permanent magnet,
- ✓ stepless self-regulation of rotational speed,
- ✓ ceramic shaft and bearings,
- ✓ double-insulated motor winding,
- ✓ chromium-nickel steel stator.

DIMENSIONS



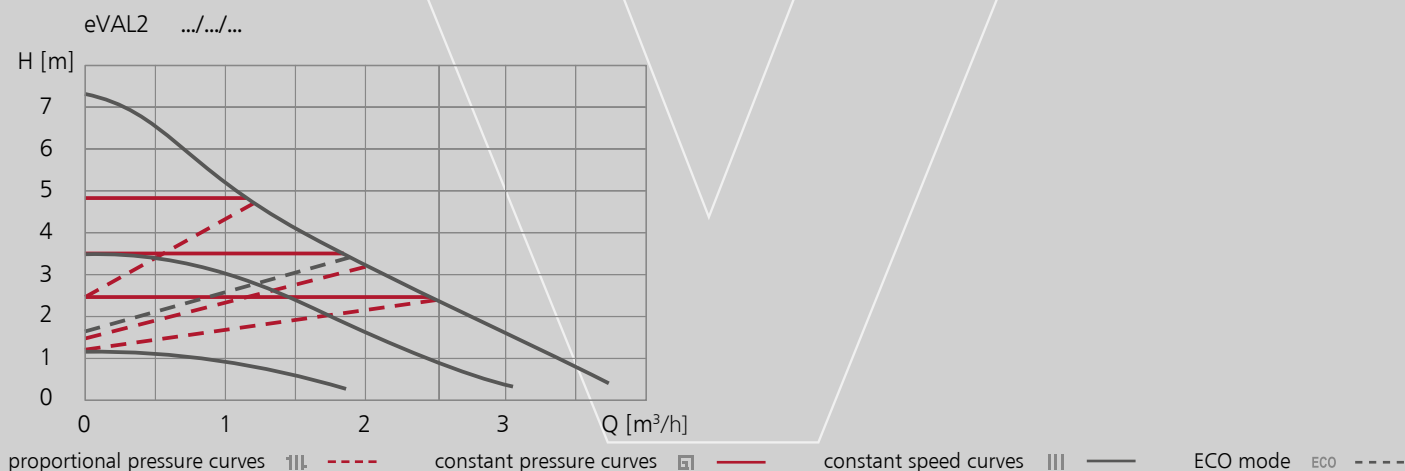
Dimensions [mm]

Pump type	L	H	h	B1	B2	D	Weight [kg]
eVAL2 15/4-7/130	130	124	95	50	50	1"	1,6
eVAL2 20/4-7/130	130	124	95	50	50	1 1/4"	1,7
eVAL2 25/4-7/130	130	124	95	50	50	1 1/2"	1,8
eVAL2 25/4-7/180	180	124	88	50	50	1 1/2"	1,9
eVAL2 32/4-7/180	180	133	98	50	50	2"	2,2

ELECTRICAL DATA

Pump type	Rated voltage [V]	EEI	P ₁ [W]		I [A]		Insulation class	Enclosure class
			min	max	min	max		
eVAL2 .../.../...	1~230-240	0,19	4	45	0,04	0,21	H	IP 44

PUMP PERFORMANCE



eVAL2

eVAL1+ MAX

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

eVAL1+ MAX pumps are designed for pumping clean water in domestic heating systems and industrial heating systems. Pumped liquids: non-aggressive, non-explosive liquids with low kinematic viscosity up to 10cSt, free of solids and fibres; cooling liquids, without mineral oils.

High-efficiency circulator pumps eVAL1+ MAX are ideal for installations with variable flow rate (e.g. heating installations with radiators controlled by a thermostat) and in installations characterized by significant temperature differences of the pumped liquid (solar installations).

✓ High performance pump

✓ One pump with two flow (Q) and height (H) ranges – 25/4 and 25/6

✓ One button control

✓ Venting plug

✓ 3 control modes with 9 curves



RANGE OF USE

Flow	up to 9 m ³ /h
Head	up to 12 m
System pressure	1,0 MPa
Liquid temperature	+2 up to 110°C

DESIGNATION KEY

eVAL1+ MAX 25 / 12 / 180

Pump type

Nominal
diameter
[mm]

Maximum
head
H = 12 m

Port-to-port
length [mm]

CONSTRUCTION FEATURES

Hydraulic part:

- ✓ glandless pump,
- ✓ cast iron pump body with cataphoretic coating,
- ✓ closed impeller, composite impeller,
- ✓ threaded connections.

Motor:

- ✓ wet motor rotor,
- ✓ synchronous motor with permanent magnet,
- ✓ stepless self-regulation of rotational speed,
- ✓ ceramic shaft and bearings,
- ✓ double-insulated motor winding,
- ✓ chromium-nickel steel stator.

ELECTRICAL DATA

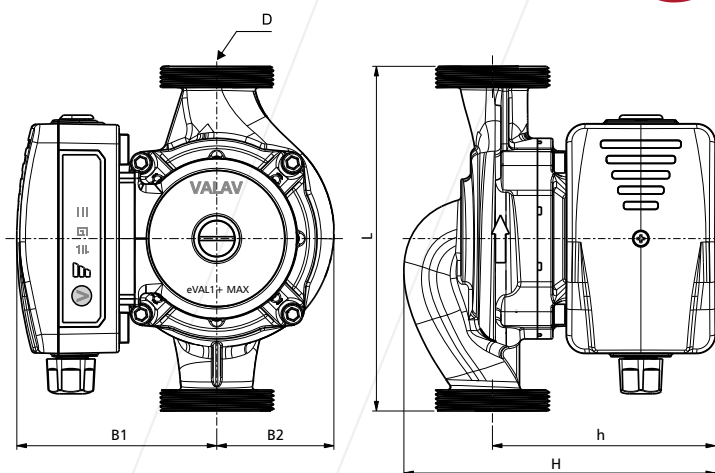
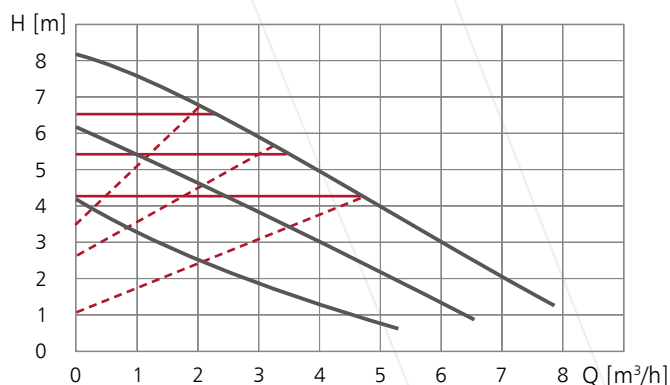
Pump type	Rated voltage [V]	EEI	P ₁ [W]		I [A]		Insulation class	Enclosure class
			min	max	min	max		
eVAL1+ MAX .../8/180	1~230-240	0,23	11	120	0,12	0,9	H	IP 44
eVAL1+ MAX .../10/180			14	150	0,13	1,2		
eVAL1+ MAX .../12/180			16	180	0,15	1,4		

DIMENSIONS

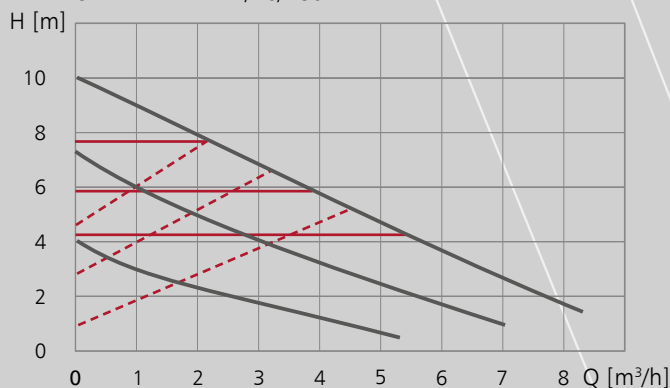
Pump type	Dimensions [mm]						Weight [kg]
	L	H	h	B1	B2	D	
eVAL1+ MAX 25/.../180	180	163	117	104	61	1 1/2"	3,2
eVAL1+ MAX 32/.../180	180	163	117	104	61	2"	3,4

PUMP PERFORMANCE

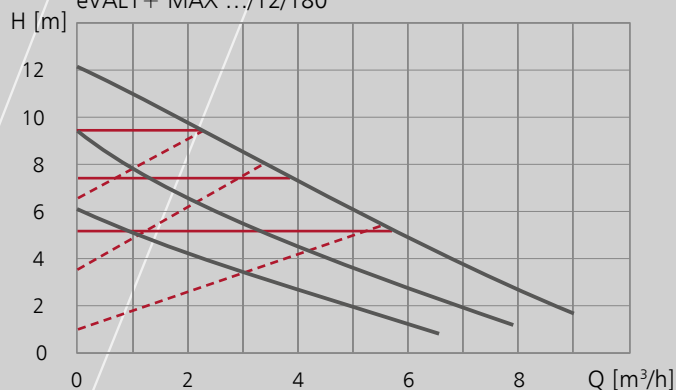
eVAL1+ MAX .../8/180



eVAL1+ MAX .../10/180



eVAL1+ MAX .../12/180



proportional pressure curves constant pressure curves constant speed curves

eVAL1+ MAX

eVAL1+

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

eVAL1+ pumps are designed for pumping clean water in domestic heating systems and industrial heating systems. Pumped liquids: non-aggressive, non-explosive liquids with low kinematic viscosity up to 10cSt, free of solids and fibres; cooling liquids, without mineral oils.

High-efficiency circulator pumps eVAL1+ are ideal for installations with variable flow rate (e.g. heating installations with radiators controlled by a thermostat) and in installations characterized by low flows and significant temperature differences of the pumped liquid (solar installations).

✓ One button control

✓ One pump with two flow (Q) and height (H) ranges – 25/4 and 25/6

✓ Venting plug

✓ 3 control modes with 9 curves



RANGE OF USE

Flow	up to 4,4 m³/h
Head	up to 8 m
System pressure	1,0 MPa
Liquid temperature	+2 up to 110°C

DESIGNATION KEY

	Maximum head H = 7 m	Port-to-port length [mm]
eVAL1+ 25 / 4-7 / 180		
Pump type	Nominal diameter [mm]	

CONSTRUCTION FEATURES

Hydraulic part:

- ✓ glandless pump,
- ✓ cast iron pump body with cataphoretic coating,
- ✓ closed impeller, composite impeller,
- ✓ threaded or flange connections.

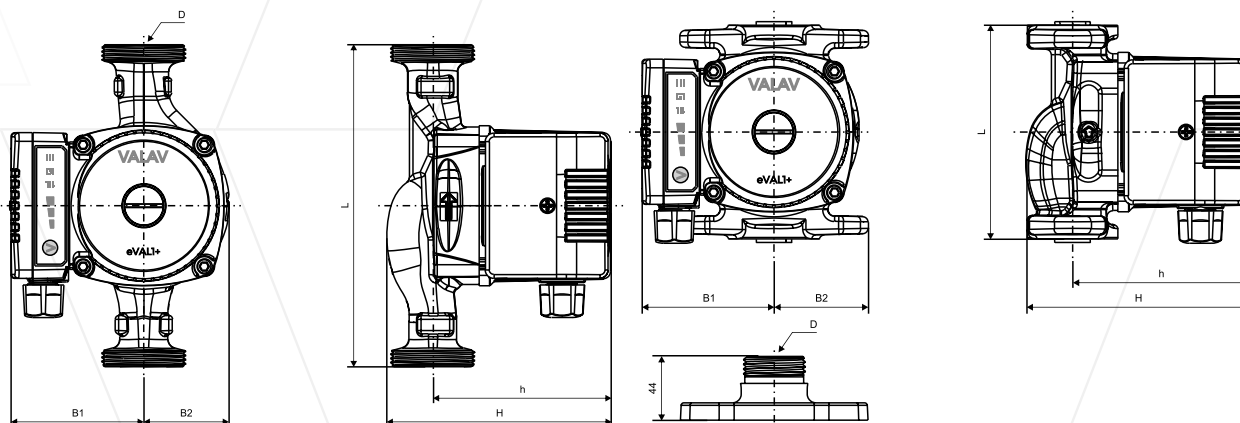
Motor:

- ✓ wet motor rotor,
- ✓ synchronous motor with permanent magnet,
- ✓ stepless self-regulation of rotational speed,
- ✓ ceramic shaft and bearings,
- ✓ double-insulated motor winding,
- ✓ chromium-nickel steel stator.

DIMENSIONS

Threaded version L = 180 und 130 mm

Flanged version L = 120 mm



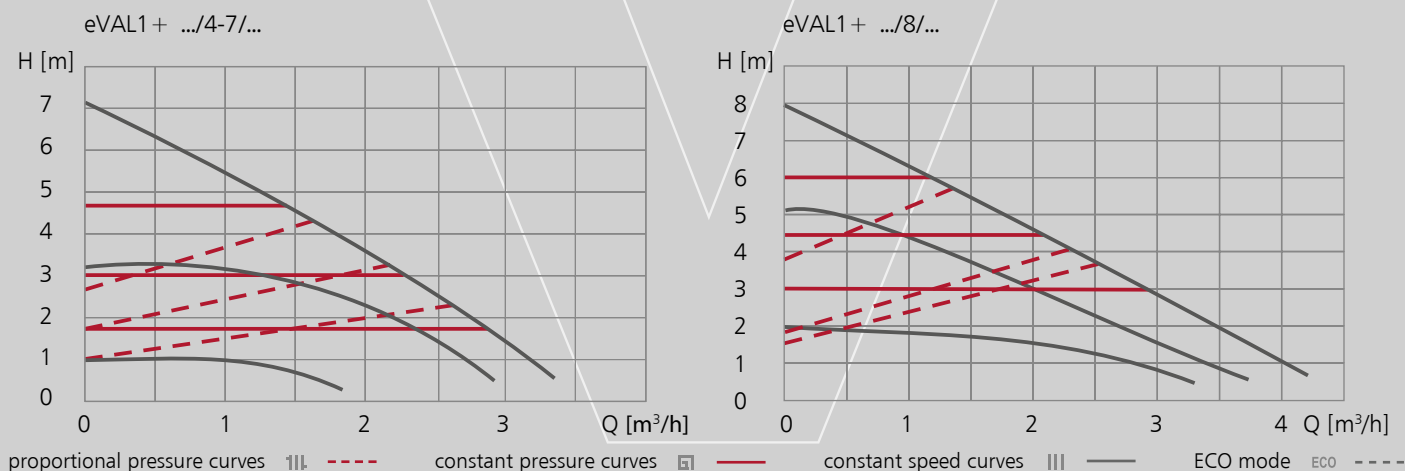
Dimensions [mm]

Pump type	L	H	h	B1	B2	D	Weight [kg]
eVAL1+ 15/4-7/130	130	125	99	75	48	1"	1,9
eVAL1+ 20/4-7/130	130	125	99	75	48	1 1/4"	2
eVAL1+ 25/.../130	130	125	99	75	48	1 1/2"	2,1
eVAL1+ 25/4-7/120	120	125	99	75	53	1"	2,5
eVAL1+ 25/.../180	180	125	99	75	48	1 1/2"	2,2
eVAL1+ 32/.../180	180	125	99	75	48	2"	2,3

ELECTRICAL DATA

Pump type	Rated voltage [V]	EEI	P ₁ [W]		I [A]		Insulation class	Enclosure class
			min	max	min	max		
eVAL1+ .../4-7/...	1~230-240	0,20	4	45	0,04	0,21	H	IP 44
eVAL1+ .../8/...			7	60	0,05	0,28		

PUMP PERFORMANCE



eVAL1

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

eVAL1 pumps are designed for pumping clean water in domestic heating systems and industrial heating systems. Pumped liquids: non-aggressive, non-explosive liquids with low kinematic viscosity up to 10cSt, free of solids and fibres; cooling liquids, without mineral oils.

High-efficiency circulator pumps eVAL1 are ideal for installations with variable flow rate (e.g. heating installations with radiators controlled by a thermostat) and in installations characterized by low flows and significant temperature differences of the pumped liquid (solar installations).

✓ One button control

✓ Simple energy-efficient solution

✓ Venting plug

✓ 3 control modes with 4 curves



RANGE OF USE

Flow	up to 4,8 m ³ /h
Head	up to 8 m
System pressure	1,0 MPa
Liquid temperature	up to 110°C

DESIGNATION KEY

	Maximum head H = 6 m	Port-to-port length [mm]
eVAL1 25 / 6 / 180		
Pump type	Nominal diameter [mm]	

CONSTRUCTION FEATURES

Hydraulic part:

- ✓ glandless pump,
- ✓ cast iron pump body with cataphoretic coating,
- ✓ closed impeller, composite impeller,
- ✓ threaded connections.

Motor:

- ✓ wet motor rotor,
- ✓ synchronous motor with permanent magnet,
- ✓ stepless self-regulation of rotational speed,
- ✓ ceramic shaft and bearings,
- ✓ double-insulated motor winding,
- ✓ chromium-nickel steel stator.

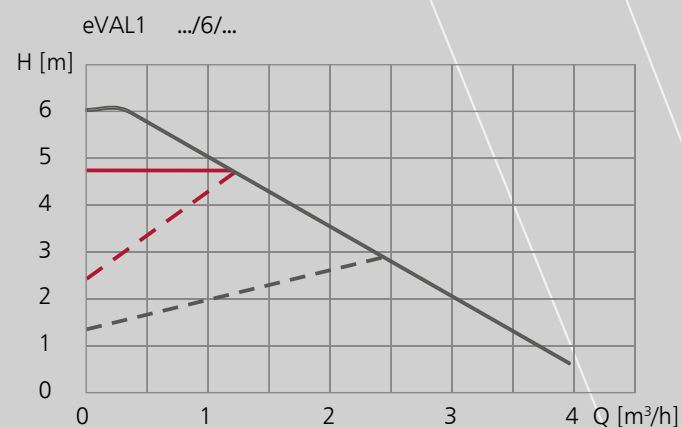
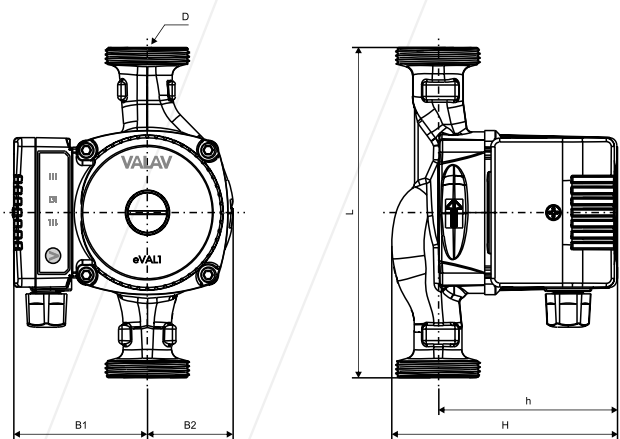
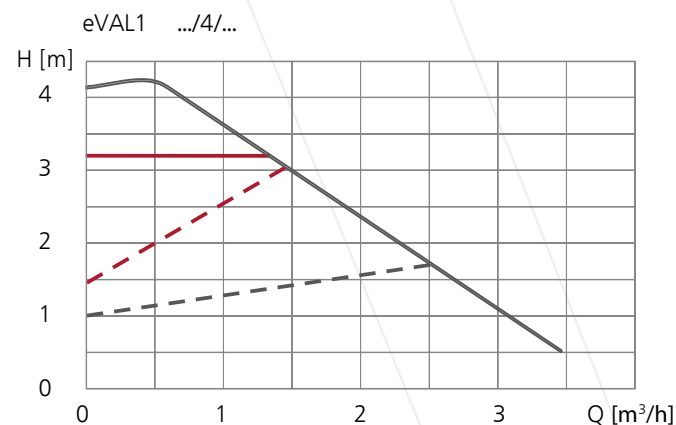
ELECTRICAL DATA

Pump type	Rated voltage [V]	EEI	P ₁ [W]		I [A]		Insulation class	Enclosure class
			min	max	min	max		
eVAL1 .../4/...	1~230	0,20	4	28	0,04	0,14	H	IP 44
eVAL1 .../6/...		0,20	6	45	0,06	0,21		
eVAL1 .../8/...		0,21	8	70	0,05	0,48		

DIMENSIONS

Pump type	Dimensions [mm]						Weight [kg]
	L	H	h	B1	B2	D	
eVAL1 15/.../130	130	124	96	75	50	1"	1,6
eVAL1 20/.../130	130	124	96	75	50	1 1/4"	1,7
eVAL1 25/.../130	130	124	96	75	50	1 1/2"	1,8
eVAL1 25/.../180	180	123	88	75	50	1 1/2"	2,2
eVAL1 32/.../180	180	130	100	75	50	2"	2,4

PUMP PERFORMANCE



proportional pressure curves constant pressure curves constant speed curves ECO mode ECO

VAL

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

VAL pumps are suitable for drinking water only according to Regulation (EC) No 641/2009. OEM pumps are used in small and medium drinking water installations.

In countries outside the European Union, VAL pumps can be used to pump clean water in domestic heating systems and industrial heating systems. Pumped liquids: non-aggressive, non-explosive liquids with low kinematic viscosity up to 10cSt, free from solids and fibres; cooling liquids, without mineral oils.

✓ Simple 3-speed solution

✓ Setting knob

✓ Venting plug

✓ 1 control mode with 3 curves



RANGE OF USE

Flow	up to 7,6 m ³ /h
Head	up to 8 m
System pressure	1,0 MPa
Liquid temperature	up to 110°C

DESIGNATION KEY

Maximum head
H = 6 m

Port-to-port length [mm]

VAL 25 / 6 / 180

Pump type
Nominal diameter [mm]

CONSTRUCTION FEATURES

Hydraulic part:

- ✓ glandless pump,
- ✓ cast iron pump body with cataphoretic coating,
- ✓ closed impeller, composite impeller,
- ✓ threaded or flange connections.

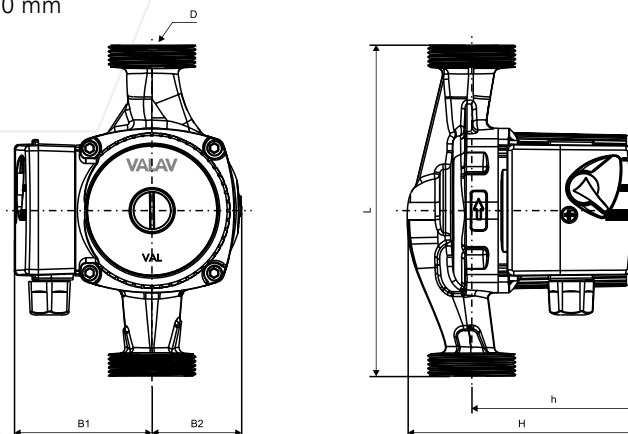
Motor:

- ✓ wet motor rotor,
- ✓ ceramic shaft and bearings,
- ✓ stainless steel rotor can,
- ✓ double-insulated motor winding,
- ✓ stator equipped with drainage holes.

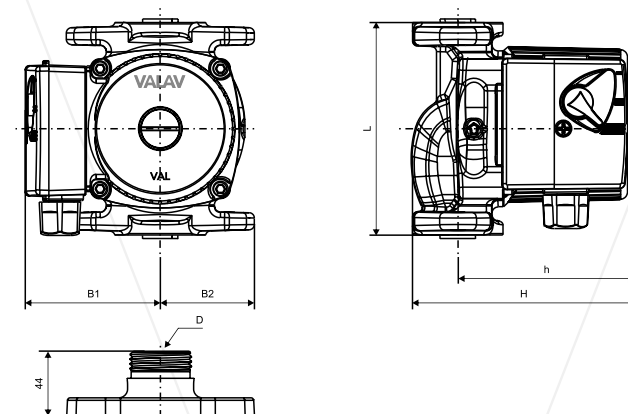
VAL

DIMENSIONS

Threaded version L = 180 und 130 mm



Flanged version L = 120 mm



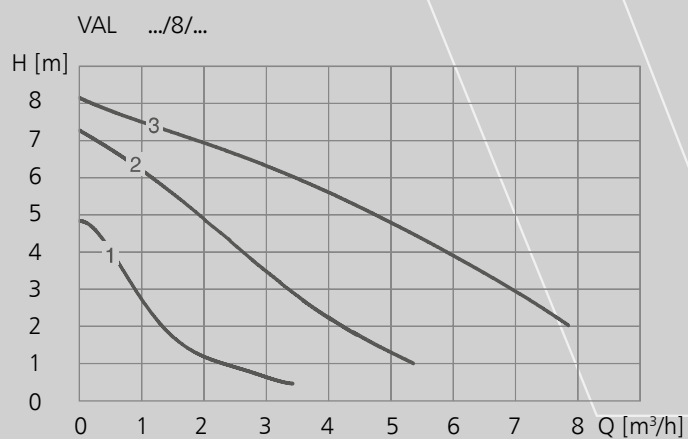
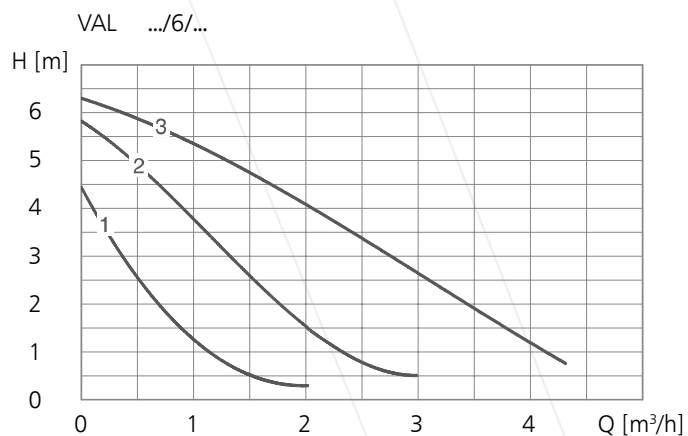
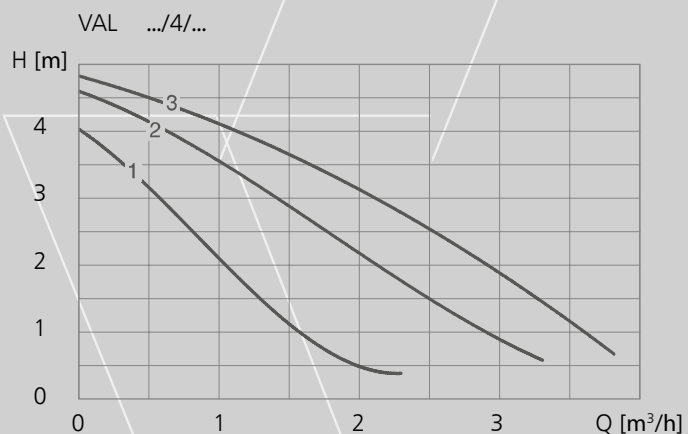
Dimensions [mm]

Pump type	L	H	h	B1	B2	D	Weight [kg]
VAL 15/.../130	130	126	98	76	50	1"	1,6
VAL 20/.../130	130	126	98	76	50	1 1/4"	1,7
VAL 25/.../130	130	126	98	76	50	1 1/2"	1,8
VAL 25/.../120	120	125	99	79	53	1"	2,1
VAL 25/.../180	180	126	90	76	50	1 1/2"	2,2
VAL 32/.../180	180	126	90	76	50	2"	2,3
VAL 25/8/180	180	126	90	76	50	1 1/2"	2,4
VAL 32/8/180	180	126	90	76	50	2"	2,5

ELECTRICAL DATA

Pump type	Rated voltage [V]	P ₁ [W]			I [A]			Insulation class	Enclosure class
		1	2	3	1	2	3		
VAL .../4/...	1~230	37	56	64	0,17	0,25	0,29	H	IP 44
VAL .../6/...		40	62	82	0,18	0,28	0,37		
VAL .../8/...		150	190	205	0,70	0,86	0,92		

PUMP PERFORMANCE



proportional pressure curves constant pressure curves constant speed curves ECO mode ECO

LIST OF PUMP TYPES

Product	Pump type	Product number
eVAL3+	eVAL3+ 15/4-7/130	A091-015-07-03
	eVAL3+ 20/4-7/130	A091-020-07-03
	eVAL3+ 25/4-7/130	A091-025-07-07
	eVAL3+ 25/4-7/180	A091-025-07-08
	eVAL3+ 32/4-7/180	A091-032-07-03
	eVAL3+ 25/8/130	A091-025-08-05
	eVAL3+ 25/8/180	A091-025-08-06
	eVAL3+ 32/8/180	A091-032-08-03
	eVAL3+ 25/10/130	A091-025-10-05
	eVAL3+ 25/10/180	A091-025-10-06
	eVAL3+ 32/10/180	A091-032-10-03

eVAL3	eVAL3 15/4-7/130	A091-015-07-04
	eVAL3 20/4-7/130	A091-020-07-04
	eVAL3 25/4-7/130	A091-025-07-09
	eVAL3 25/4-7/180	A091-025-07-10
	eVAL3 32/4-7/180	A091-032-07-04

eVAL2	eVAL2 15/4-7/130	A090-015-07-03
	eVAL2 20/4-7/130	A090-020-07-03
	eVAL2 25/4-7/130	A090-025-07-12
	eVAL2 25/4-7/180	A090-025-07-13
	eVAL2 32/4-7/180	A090-032-07-03

eVAL1+ MAX	eVAL1+ MAX 25/8/180	A067-025-080-04
	eVAL1+ MAX 25/10/180	A067-025-100-03
	eVAL1+ MAX 25/12/180	A067-025-120-02
	eVAL1+ MAX 32/8/180	A067-032-080-03
	eVAL1+ MAX 32/10/180	A067-032-100-03
	eVAL1+ MAX 32/12/180	A067-032-120-02

eVAL1+	eVAL1+ 15/4-7/130	A067-015-07-07
	eVAL1+ 20/4-7/130	A067-020-07-01
	eVAL1+ 25/4-7/130	A067-025-07-15
	eVAL1+ 25/4-7/120	A067-025-07-14
	eVAL1+ 25/4-7/180	A067-025-07-16
	eVAL1+ 32/4-7/180	A067-032-07-03
	eVAL1+ 25/8/130	A067-025-08-06
	eVAL1+ 25/8/180	A067-025-08-07
	eVAL1+ 32/8/180	A067-032-08-04

eVAL1	eVAL1 15/4/130	A085-015-04-02
	eVAL1 20/4/130	A085-020-04-01
	eVAL1 25/4/130	A085-025-04-06
	eVAL1 25/4/180	A085-025-04-07
	eVAL1 32/4/180	A085-032-04-01
	eVAL1 15/6/130	A085-015-06-03
	eVAL1 20/6/130	A085-020-06-01
	eVAL1 25/6/130	A085-025-06-20
	eVAL1 25/6/180	A085-025-06-21
	eVAL1 32/6/180	A085-032-06-01
	eVAL1 25/8/130	A085-025-08-01
	eVAL1 25/8/180	A085-025-08-02
	eVAL1 32/8/180	A085-032-08-01

VAL	VAL 15/4/130	A071-015-04-01
	VAL 20/4/130	A071-020-04-01
	VAL 25/4/130	A071-025-04-02
	VAL 25/4/120	A071-025-04-01
	VAL 25/4/180	A071-025-04-03
	VAL 32/4/180	A071-032-04-01
	VAL 15/6/130	A071-015-06-02
	VAL 20/6/130	A071-020-06-01
	VAL 25/6/130	A071-025-06-05
	VAL 25/6/120	A071-025-06-04
	VAL 25/6/180	A071-025-06-06
	VAL 32/6/180	A071-032-06-01
	VAL 25/8/180	A071-025-08-01
	VAL 32/8/180	A071-032-08-03

VAL DHW	VAL DHW	A093-015-015-06
	VAL DHW 12V	A093-015-015-07

VAL DHW

✓ LOW-NOISE OPERATION

✓ LOW ENERGY CONSUMPTION

✓ RELIABILITY

✓ EASY HANDLING

APPLICATION

VAL DHW circulation pumps are suitable for drinking water only according to Regulation (EC) No 641/2009.

VAL DHW pumps are used in domestic hot water systems.

This pump is available in a 1-230V AC and 2V DC version.

✓ One button control

✓ No service required

✓ Self-venting

✓ Ready-to-use power cable

✓ 1 control mode with 3 curves



RANGE OF USE

Flow	up to 0,8 m³/h
Head	up to 1,5 m
System pressure	1,0 MPa
Connection diameter	1/2"
Liquid temperature	+2 up to 110°C

CONSTRUCTION FEATURES

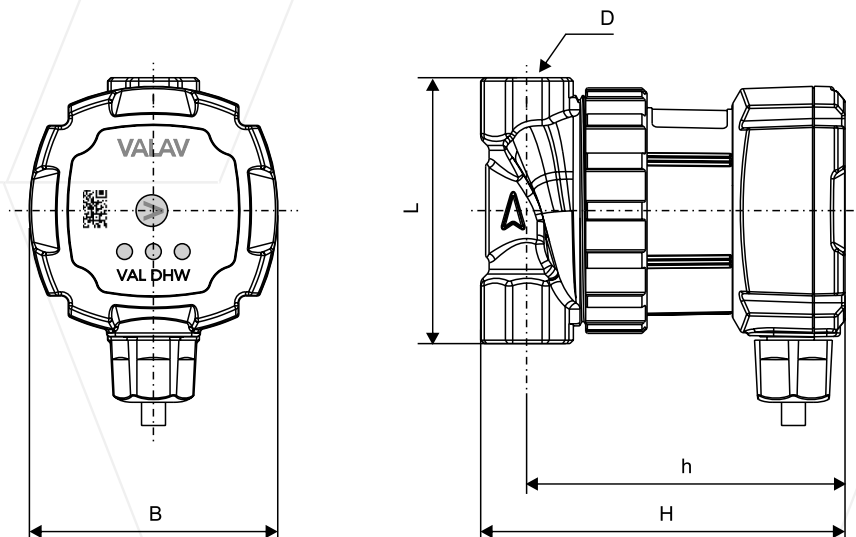
Hydraulic part:

- ✓ closed composite impeller with ceramic sleeve,
- ✓ stainless steel pump body.

Motor:

- ✓ electronically commutated (ECM technology),
- ✓ three constant speeds,
- ✓ plastic motor housing,
- ✓ protected against overloads.

DIMENSIONS



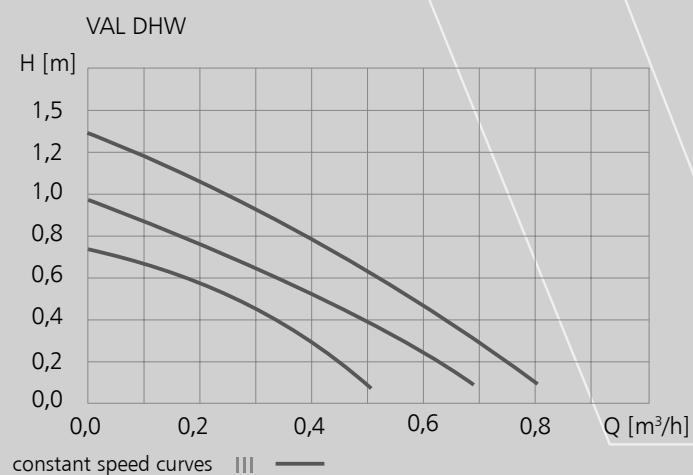
Dimensions [mm]

Pump type	L	B	H	h	D	Weight [kg]
VAL DHW	78	73	107	93	1/2"	0,8

ELECTRICAL DATA

Pump type	Rated voltage [V]	P ₁ [W]			I [A]			Insulation class	Enclosure class
		1	2	3	1	2	3		
VAL DHW	1~230 AC	4	5	8	0,02	0,02	0,03	H	IP 44
VAL DHW 12V	12 DC	4	6	8	0,33	0,50	0,66		

PUMP PERFORMANCE





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