

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.

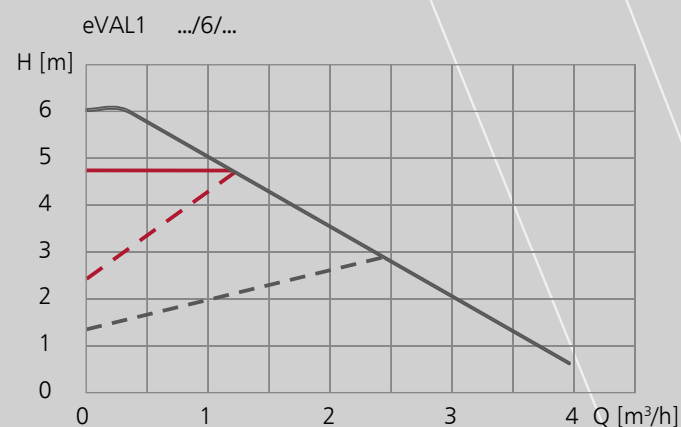
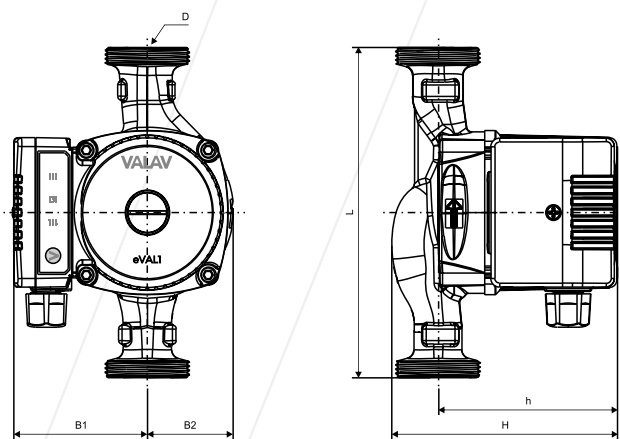
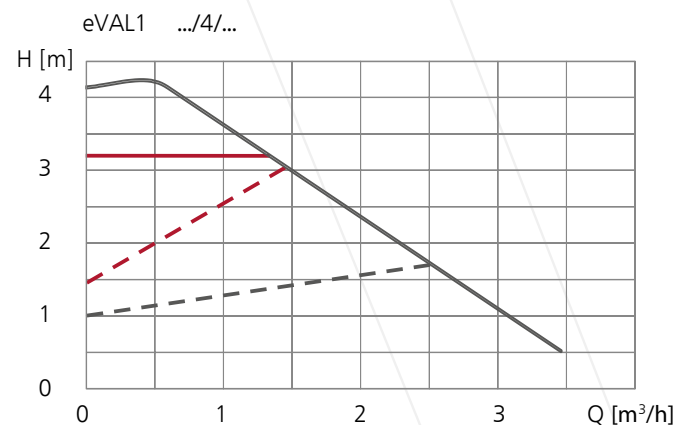
ELECTRICAL DATA

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