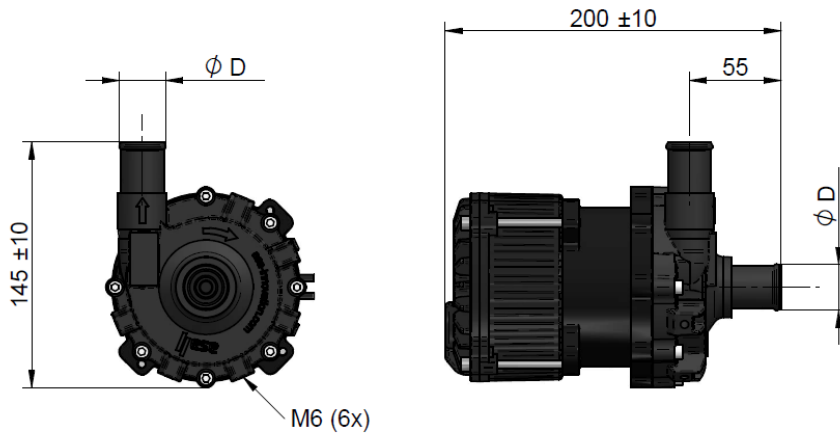
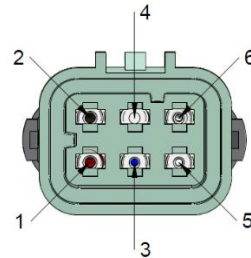


### Product Description

The asa water pump is working to the centrifugal principle and uses a spiral housing with 1" or 3/4" hose connections, magnet coupling 24V DC brushless motor. The motor and the coupling are installed in an aluminium die cast housing. This motor/pump unit is mainly designed to create compact and cost efficient cooling circuits for electric devices such as battery packs, electric motors and power electronics like converters.



**Pump Connector:  
Ducon 2.8 male, 6 Way  
Sealed Male Connector**



PIN	function
1	24V
2	GND
3	diagnostic (output)
4	reserved, not used
5	-
6	PWM (input)

### Technical Data

order number	description	fuse	protection	flow rate	motor type	ØD	weight
		[A]		[l/min]			[kg]
ABPW090S20HP02K	Water pump 90 l/min 3/4" 24V HNBR	20	IP68	see charts page 3	brushless	3/4"	3,2
ABPW090S25HP02K	Water pump 90 l/min 1" 24V HNBR	20	IP68			1"	3,2

### Specification

operating supply voltage	20-32V
power rating	390W
housing an cover material	aluminium
sealing material (fluid side)	HNBR
working temperature range	-20°C to +120°C (pump flow derated between +85°C and +120°C)

### Safety process / Diagnostic output

Duty cycle:	Definition:
40%	Pump is running dry
50%	Over current
70%	Over temperature
80%	Under- and Over voltage
100%	No error

### Features

adjustable flow rate	PWM signal
diagnostic output	PWM signal
medium to be pumped	water & water-glycol

### Connector

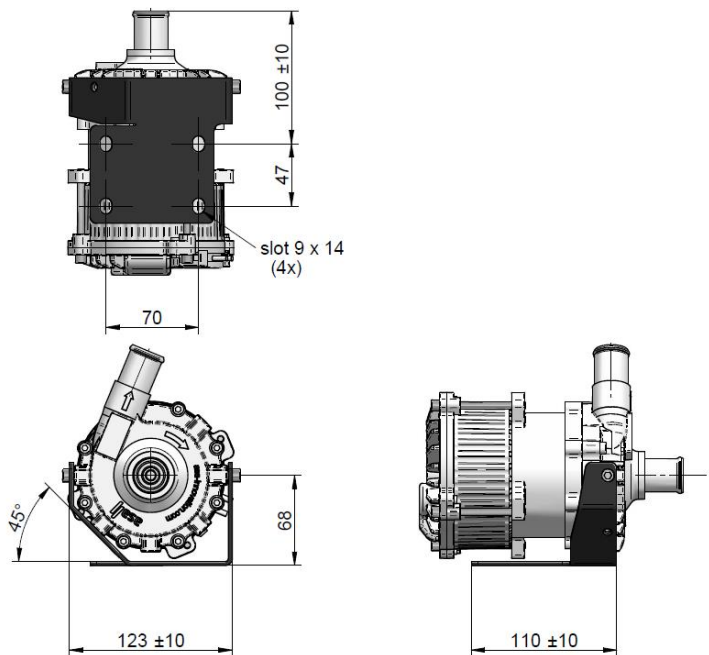
connector type	Ducon 2.8 (optional mating connector order number: ESDU6P2.8K)
----------------	--

### Type Approval

KBA (E1) 10R-05 9582



### 1.) Mounting option B00



### 2.) Mounting option B01

