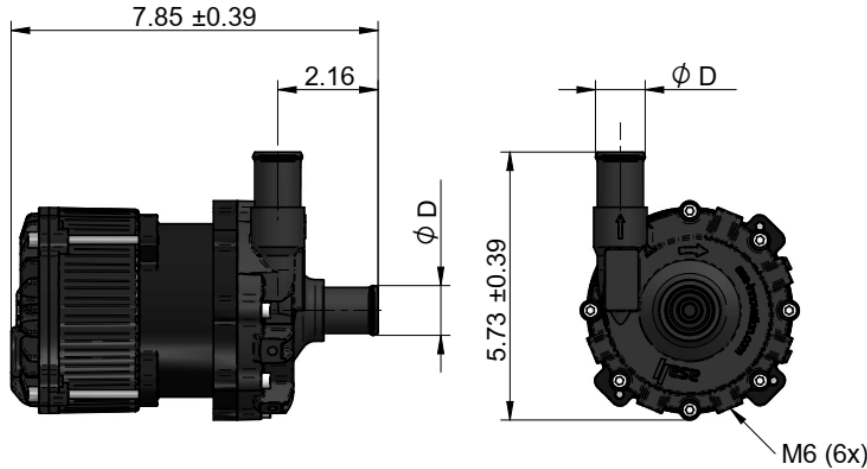
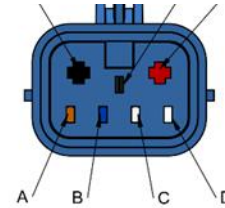


### Product Description

The asa water pump is working to the centrifugal principle and uses a spiral housing with 1" or 3/4" hose connections, magnet coupling 12V DC brushless motor. The motor and the coupling are installed in an aluminum 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:  
Delphi Metri Pack  
150/480 7 Way  
Sealed Male Connector**



PIN	color	function
A	orange	reserved, not used
B	blue	PWM input
C	white	fault feedback output
D	-	-
E	red	12V
F	-	-
G	Black	GND

### Technical Data

order number	description	fuse	protection	flow rate	motor type	ØD	weight
		[A]		[GPM]		[in]	[lbs]
ABPW090S20HP01U00	Water pump 24 GPM 3/4" 12V HNBR	30	IP68	see charts page 3	brushless	3/4	7.0
ABPW090S25HP01U00	Water pump 24 GPM 1" 12V HNBR	30	IP68			1	7.0

### Materials

operating supply voltage	9-16V
power rating	0.52 HP
housing an cover material	aluminium
sealing material (fluid side)	HNBR
working temperature range	-4°F to +248°F (pump flow derated between +185°F and +248°F)

### Duty cycle

Duty cycle	Definition
40%	Pump is running dry
50%	Over current
60%	Pump is jammed
70%	Over temperature
80%	Under- and Over voltage
100%	No error

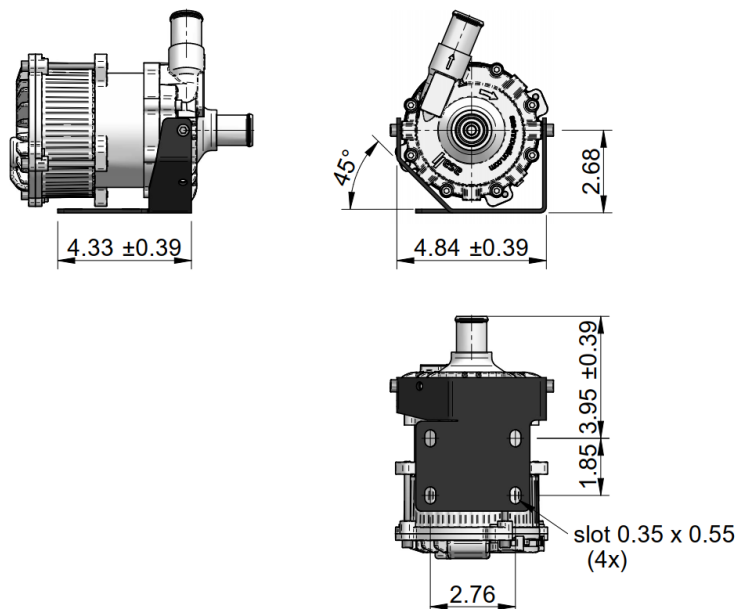
### Features

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

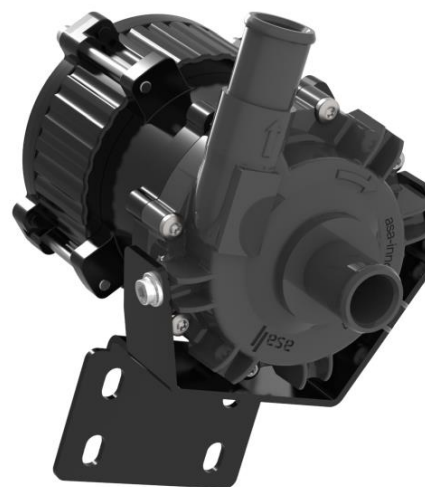
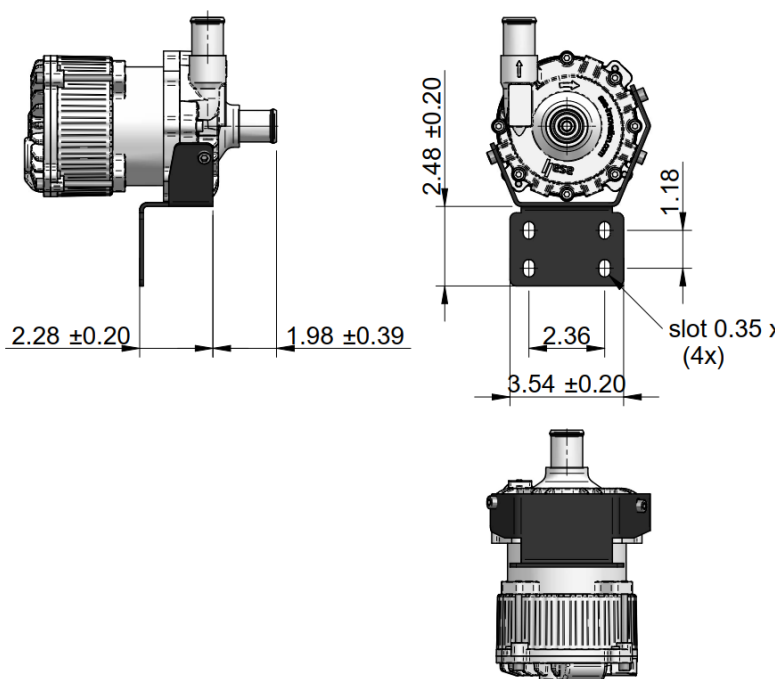


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### 1.) Mounting option U01



### 2.) Mounting option U02

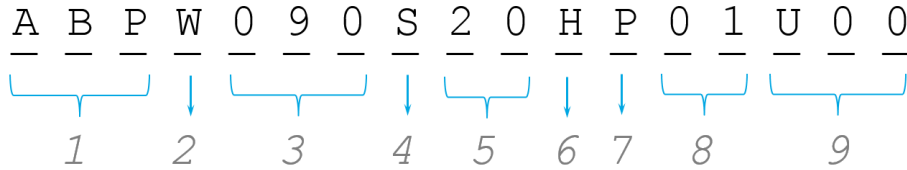


# Fluid Controls

## Water Pump Unit 12V DC



### Order Code



#### 1 Product Category

ABP Pumps

#### 2 Product Series

W water pump

#### 3 Displacement volume

090 24 GPM

#### 4 Connection

S standard motor/pump

#### 5 Dimensions

20 3/4"  
25 1"

#### 6 Sealing Material (medium side)

H HNBR  
E EPDM (on request)  
V FPM(Viton) (on request)

#### 7 Control

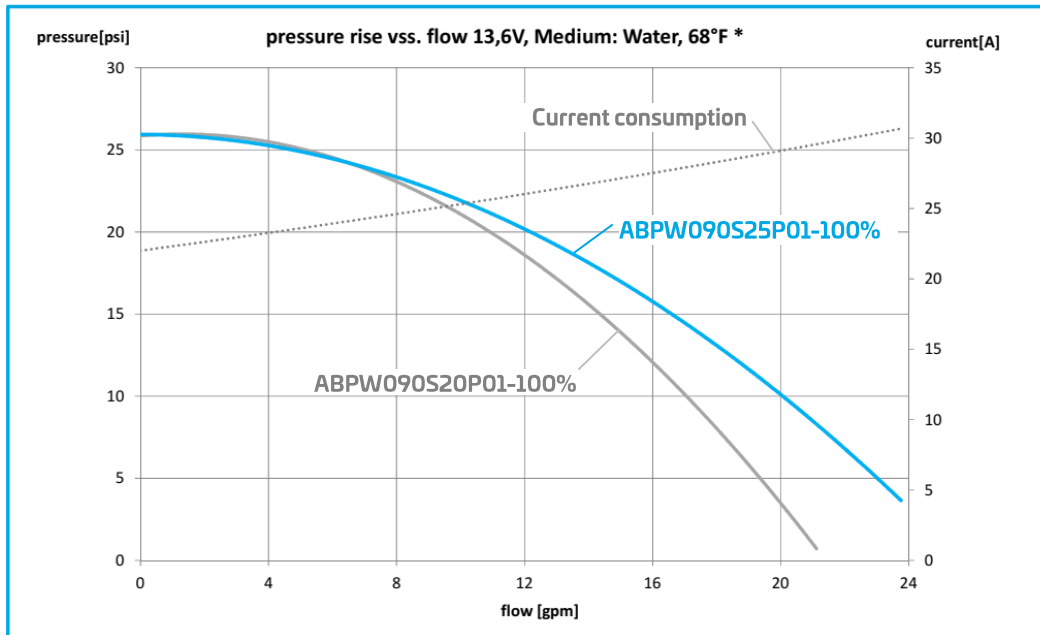
P PWM

#### 8 Voltage

01 12 V

#### 9 Index / Customized

U00 standard US sales kit  
U01 mounting option picture 1  
U02 mounting option picture 2  
Uxx special / customized specifications; to be advised by asa



\*) Tested and verified according asa standards on asa bench.

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