

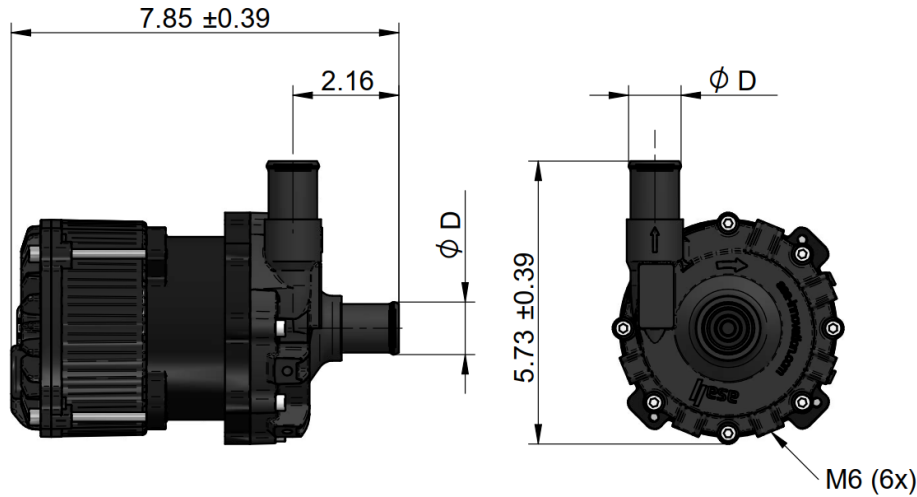
Fluid Controls

Water Pump Unit 24V DC

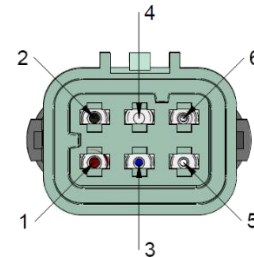


Product Description

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]		[gpm]			[lbs]
ABPW090S20HP02U00	Water pump 24 gpm 3/4" 24V HNBR	25	IP68	see charts page 3	brushless	3/4"	7.0
ABPW090S25HP02U00	Water pump 24 gpm 1" 24V HNBR	25	IP68			1"	7.0

Specification

operating supply voltage range	20-32V
max. current	19A
housing an cover material	aluminum
sealing material (fluid side)	HNBR
working temperature range	-4°F to +248°F (pump flow derated between +185°F and +248°F)

Features

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

Connector Counterpart kit

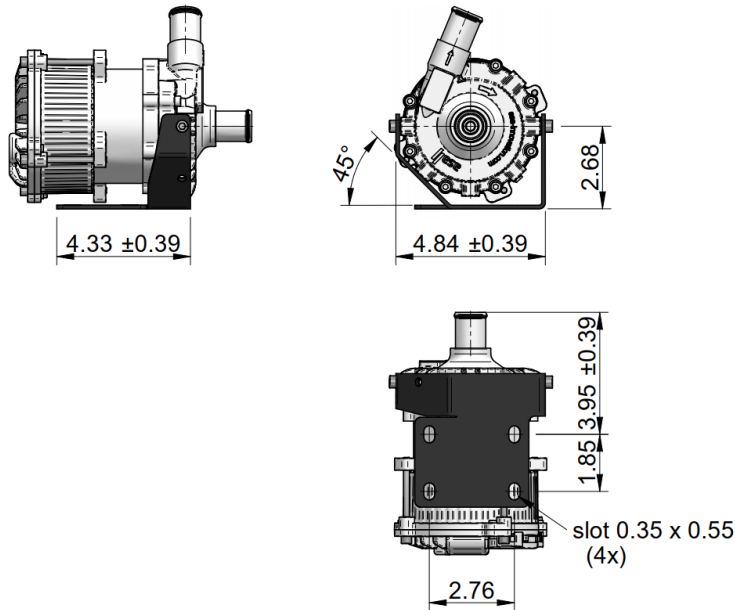
connector type	Ducon 2.8 (optional mating connector order number: ESDU6P2.8K)
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Duty cycle

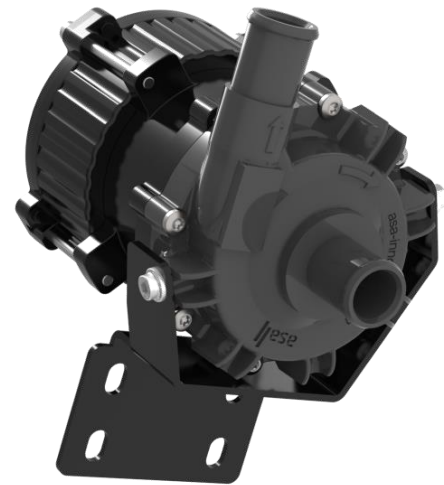
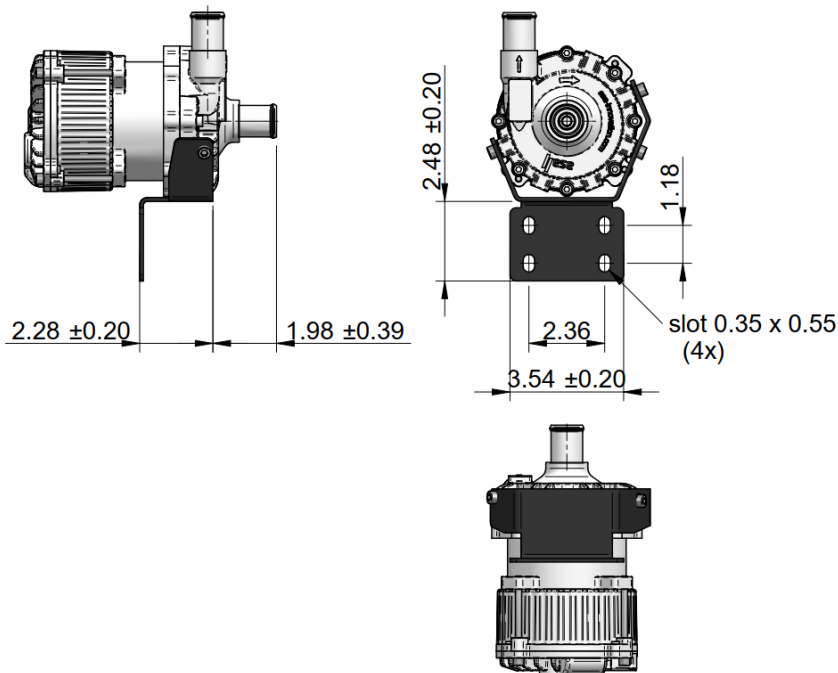
Duty cycle	Definition
40%	Pump is running dry
50%	Over current
70%	Over temperature
80%	Under- and Over voltage
100%	No error



1.) Mounting option U01



2.) Mounting option U02



Order Code

A B P W 0 9 0 S 2 0 H P 0 2 U 0 0
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 1 2 3 4 5 6 7 8 9

1 Product Category

ABP Pumps

2 Product Series

W Waterpump

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

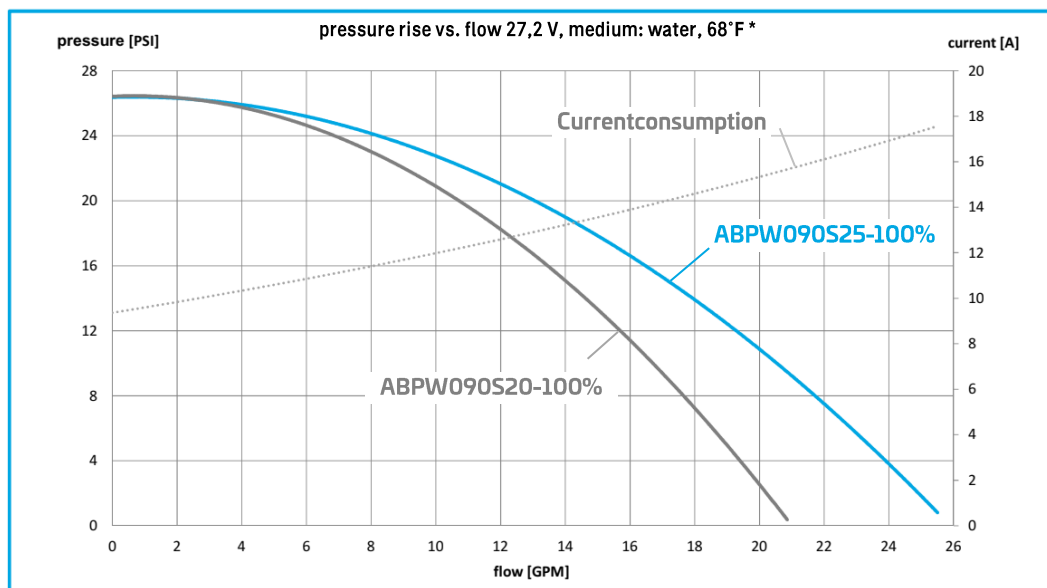
P PWM

8 Voltage

02 24 V

9 Index / Customized

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



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