

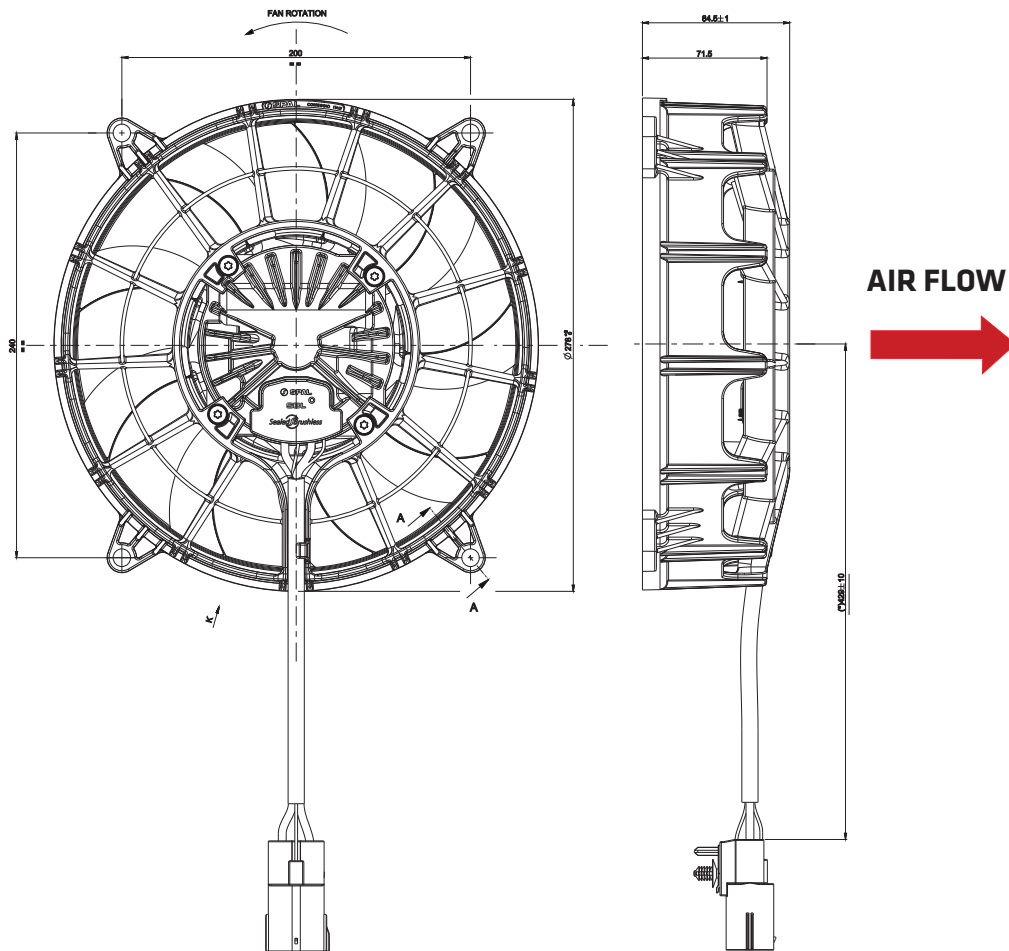
Ø 255 mm  
Ø 10"

## VA109-ABL321P/N-109A/SH



### Technical Data

All dimensions are expressed in mm. Use M6 screws for fixing – nominal tightening torque 4 Nm  
Motors certified **IP6K9K** and **IP68**

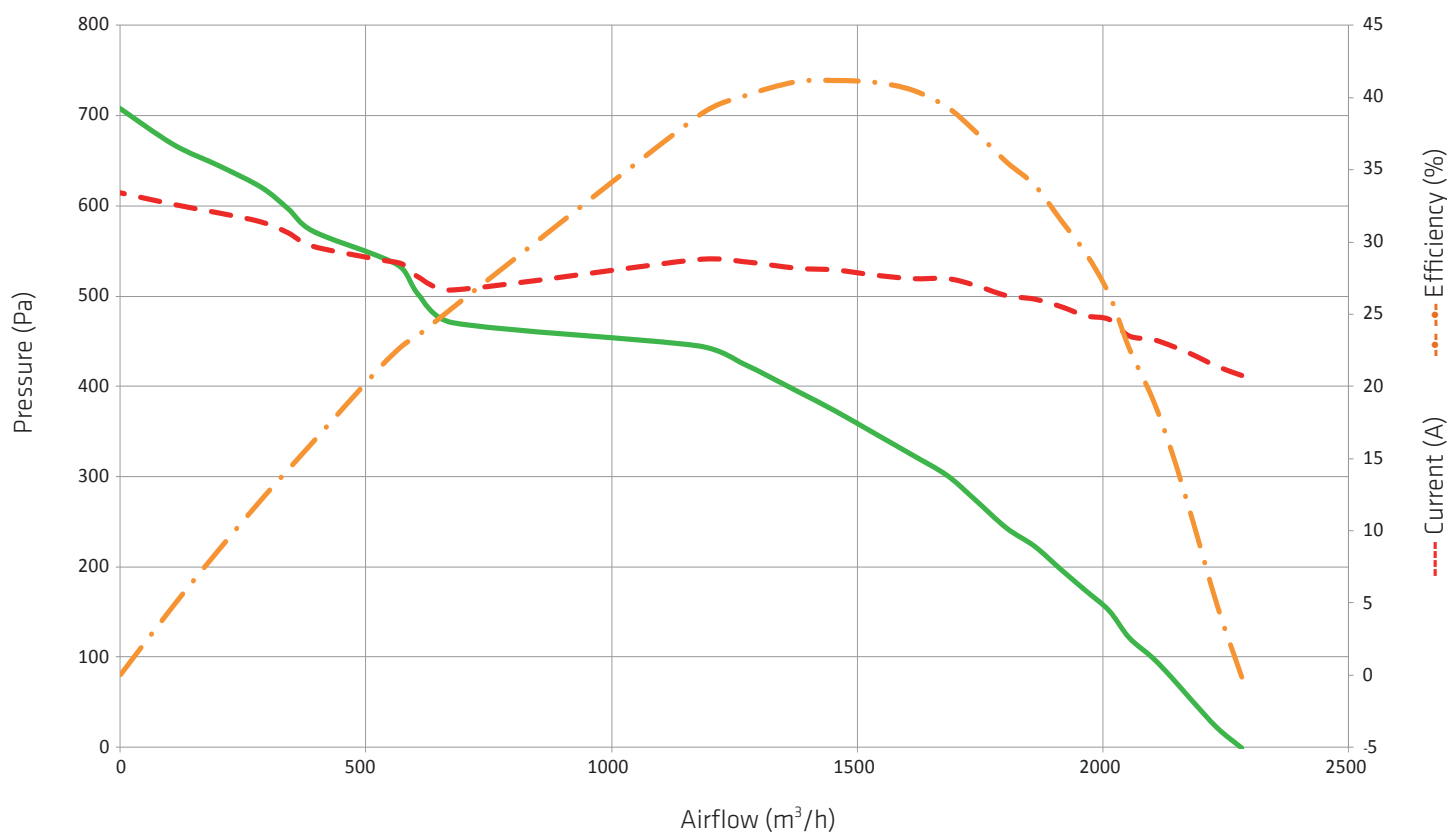


### Connector: YAZAKI HYBRID (USCAR-2 compliant) - Part number: 7282-8497-90

	Identification	+	-	A	PWM* / E*
	Pin number	1	2	3	4
	Wire Color	RED	BLACK	YELLOW	WHITE
	Sealing p/n	7158-3035	7158-3035	7158-3030-50	7158-3030-50
	Pin p/n	7114-3250	7114-3250	7114-4102-02	7114-4102-02
	Section [mm²]	6.0	6.0	0.5	0.5

**NOTE: YAZAKI connector counterpart available upon request (see page 63)**

## Performance Curve

Pressure: 1Pa=0.004 inH<sub>2</sub>O

Airflow: 1m³/h=0.59 cfm

## Features

<b>Max fan speed</b>	rpm	4000
<b>Min fan speed</b>	rpm	1000
<b>Sound pressure level</b>	dBA	75.6 - at 1 m ± 0.005 m from the fan module- lateral side
<b>Weight</b>	Kg	2.0
<b>Operating supply voltage range</b>	V	9.0 .. 16.0 at the Drive Connector
<b>Supply voltage to reach max speed</b>	V	13.0 .. 16.0 at the Drive Connector
<b>Operating ambient temperature range</b>	°C	-40 .. + 115
<b>Speed derating threshold</b>	°C	+105 (*)
<b>Storage temperature range</b>	°C	-40 .. +125
<b>Lifetime</b>	h	up to 40000 hours depending on mission profile
<b>Time from 0 rpm to max speed</b>	s	14
<b>Load dump protection (Pulse 5b)</b>	V	35 - Pulse peak voltage (U <sub>S</sub> *) - ISO16750-2:2010
<b>Reverse polarity protection</b>		ISO 16750-1 functional status class C - device fully functional after correcting the polarity

Notes (\*): Few minutes ambient temperature transients do not engage the derating owing to the thermal inertia of the system. Overloads may anticipate derating.