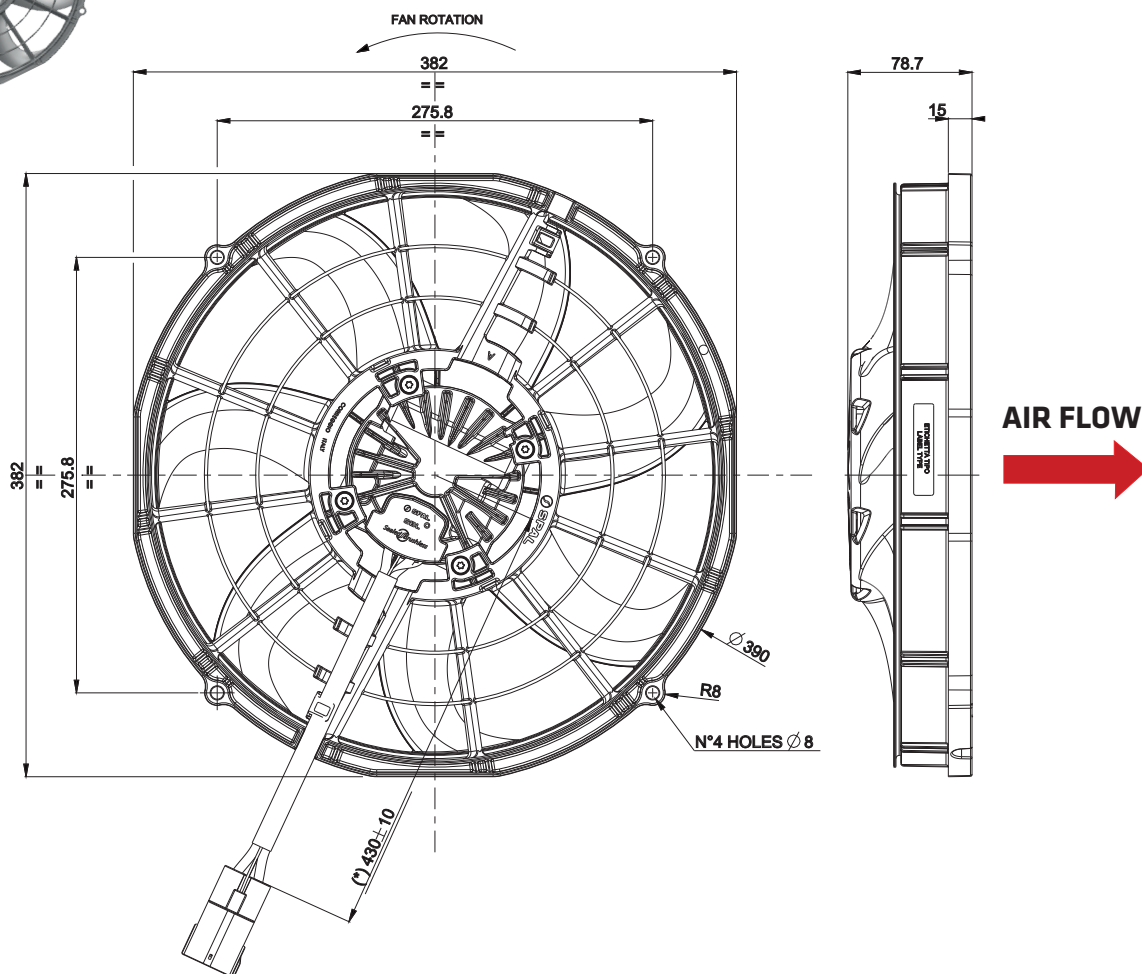


Ø 355 mm  
Ø 14"

## VA116-ABL505P-105A

### 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

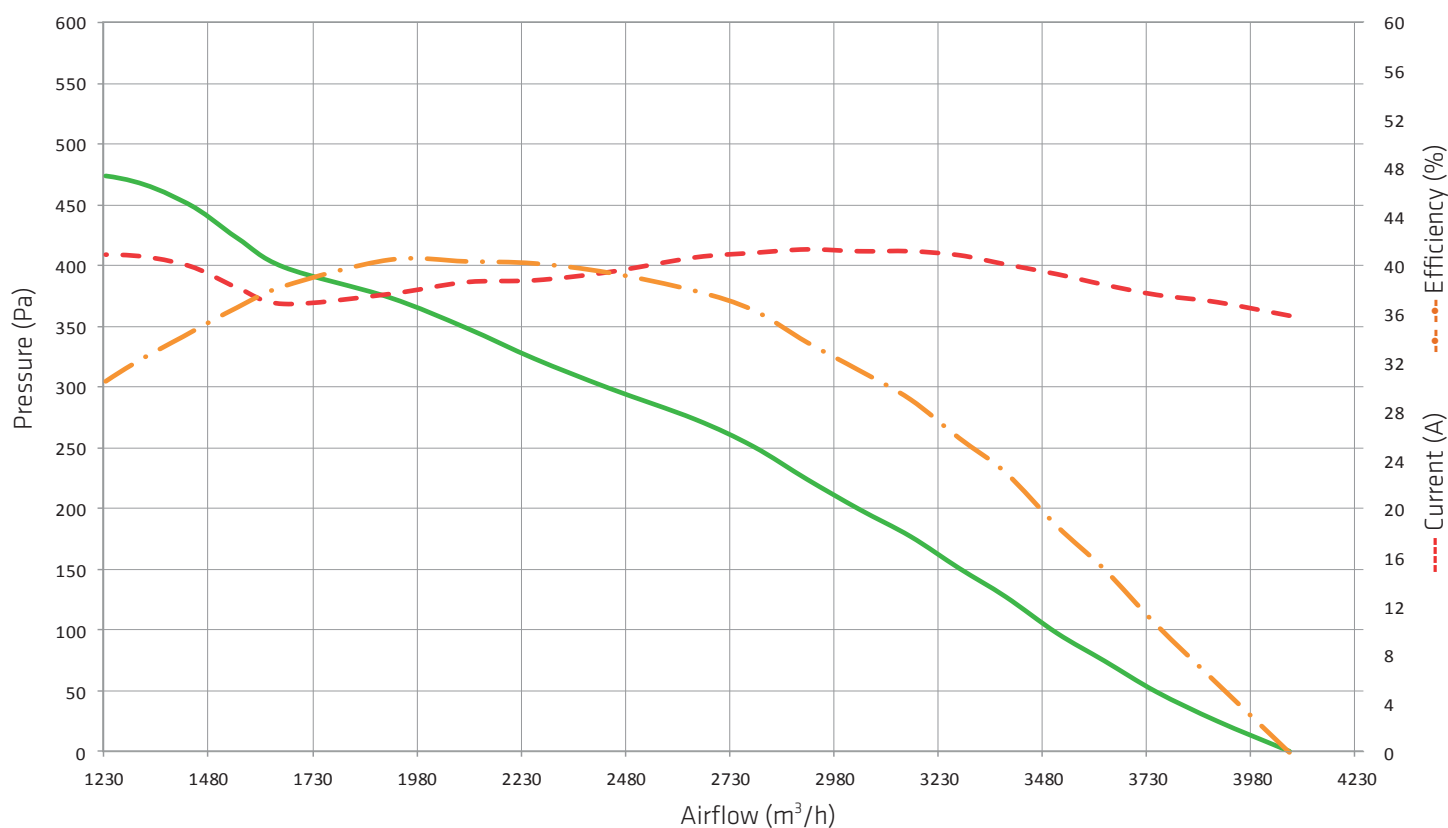
|  |                |              |              |              |              |
|--|----------------|--------------|--------------|--------------|--------------|
|  | Identification | +            | -            | A            | PWM* / E*    |
|  | Pin number     | 1            | 2            | 3            | 4            |
|  | Wire Color     | RED          | BLACK        | YELLOW       | WHITE        |
|  | Sealing p/n    | 7158-3036-70 | 7158-3036-70 | 7158-3030-50 | 7158-3030-50 |
|  | Pin p/n        | 7114-3273-02 | 7114-3273-02 | 7114-4102-02 | 7114-4102-02 |
|  | Section [mm²]  | 10.0         | 10.0         | 0.5          | 0.5          |

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

## VA116-ABL505P-105A

Ø 355 mm  
Ø 14"

## Performance Curve

Pressure: 1Pa=0.004 inH<sub>2</sub>OAirflow: 1m<sup>3</sup>/h=0.59 cfm

## Features

|                                            |     |                                                                                               |
|--------------------------------------------|-----|-----------------------------------------------------------------------------------------------|
| <b>Max fan speed</b>                       | rpm | 3300                                                                                          |
| <b>Min fan speed</b>                       | rpm | 800                                                                                           |
| <b>Sound pressure level</b>                | dBA | 77.2 - at 1 m ± 0.005 m from the fan module- lateral side                                     |
| <b>Weight</b>                              | Kg  | 2.80                                                                                          |
| <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 .. +120                                                                                   |
| <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   | 17                                                                                            |
| <b>Load dump protection (Pulse 5b)</b>     | V   | 35 - Pulse peak voltage (Us *) - 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.