

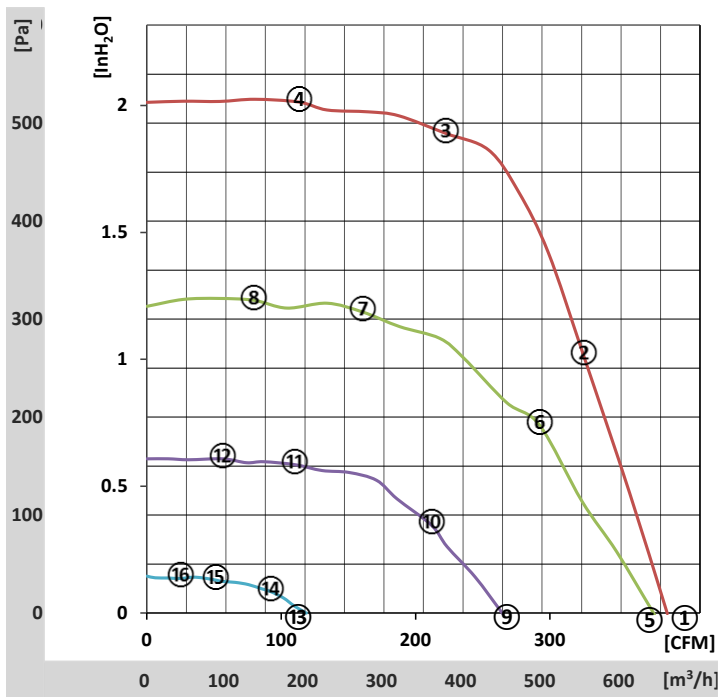
## Characteristics:

- Material: Housing: Plastic, Impeller: Plastic  
Rotor: ZAM Steel  
Electronics housing: Plastic
- Number of blades: 61
- Direction of rotation: Clockwise viewed toward rotor
- Insulation class: "B"
- Installation position: Any
- Degree of protection: IP24
- Condensation drainage holes: None
- Mode: Continuous operation (S1)
- Mounting: Maintenance-free ball bearings
- Technical features:
  - Controller input 0-10VDC/PWM
  - Controller output 0-10VDC 1.1mA max
  - Tach output
- Cable exit: Variable
- Protection class: II
- Conformity with standards: EN 60335-1
- Weight: 1.9KG



## Performance:

| Nominal data        |       | Curve | Nominal voltage range | Frequency | Speed* | Max input power* | Max input current* | Operating ambient temp | Life time |
|---------------------|-------|-------|-----------------------|-----------|--------|------------------|--------------------|------------------------|-----------|
| Type                | Motor |       | VAC                   | Hz        | rpm    | W                | A                  | °C                     | Hr        |
| WQECO150AS235090022 | OD90  | A     | 230                   | 50 / 60   | 2424   | 150              | 1.2                | -20 to +50             | 40,000    |



|   | n<br>(rpm) | P1<br>(W) | I<br>(A) | η<br>(%) |
|---|------------|-----------|----------|----------|
| ① | 2424       | 150       | 1.20     | —        |
| ② | 2686       | 148       | 1.20     | 27.3     |
| ③ | 2979       | 106       | 0.89     | 42.2     |
| ④ | 2980       | 63        | 0.55     | 31.2     |

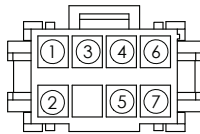
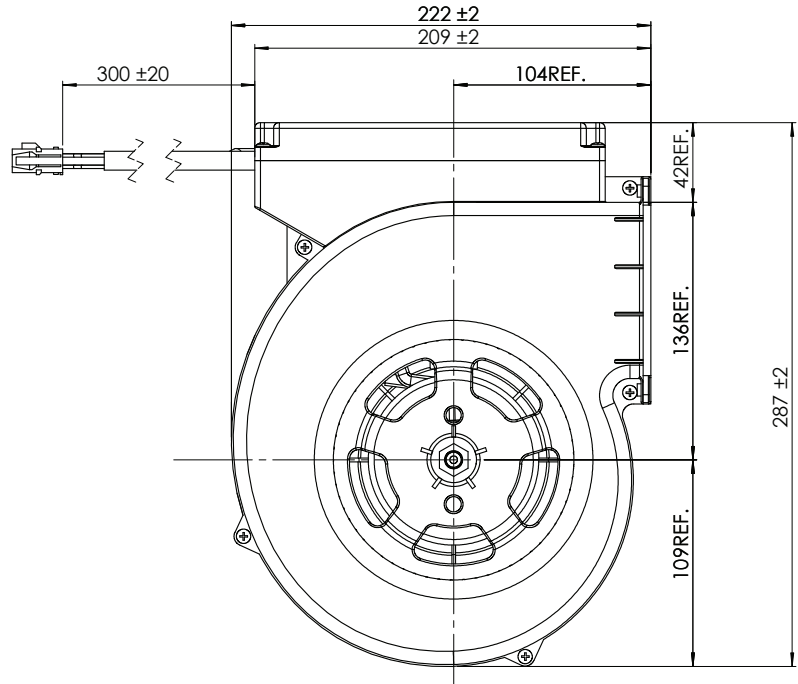
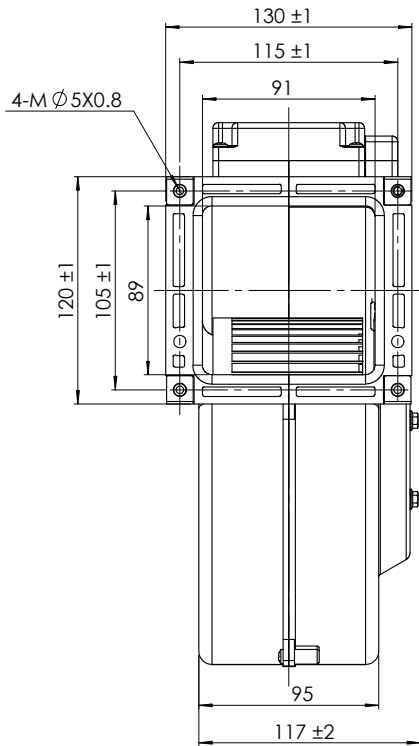
|   |      |     |      |       |
|---|------|-----|------|-------|
| ⑤ | 2378 | 134 | 1.08 | —     |
| ⑥ | 2358 | 102 | 0.85 | 25.91 |
| ⑦ | 2337 | 54  | 0.50 | 40.7  |
| ⑧ | 2340 | 37  | 0.34 | 32.4  |

|   |      |    |      |      |
|---|------|----|------|------|
| ⑨ | 1652 | 49 | 0.43 | —    |
| ⑩ | 1656 | 39 | 0.35 | 23.3 |
| ⑪ | 1639 | 22 | 0.22 | 35.8 |
| ⑫ | 1634 | 16 | 0.17 | 26.7 |

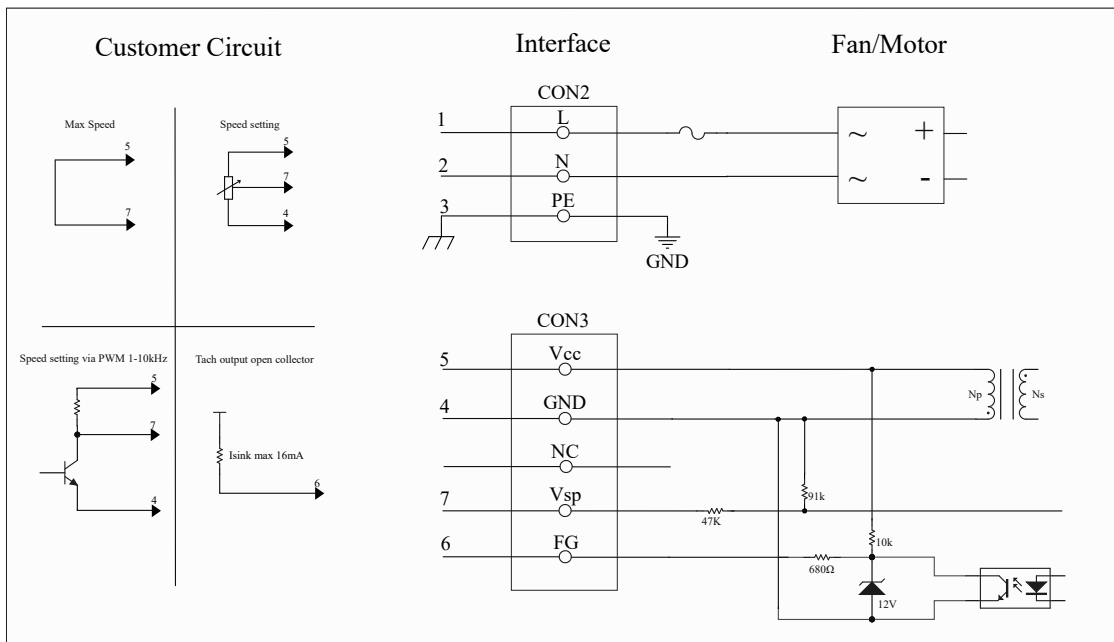
|   |     |   |      |      |
|---|-----|---|------|------|
| ⑬ | 693 | 6 | 0.09 | —    |
| ⑭ | 702 | 6 | 0.08 | 16.8 |
| ⑮ | 690 | 5 | 0.08 | 18.8 |
| ⑯ | 678 | 4 | 0.07 | 10.2 |

# 150 Plastic Blower

## Drawing:



| TYPE    | NO. | FUNCTION | COLOR        | DESCRIPTION |
|---------|-----|----------|--------------|-------------|
| POWER   | 1   | L        | BROWN        | 230VAC/50Hz |
|         | 2   | N        | BLUE         | 230VAC/50Hz |
|         | 3   | PE       | YELLOW/GREEN | EARTH       |
| CONTROL | 4   | GND      | BLACK        | GND         |
|         | 5   | Vcc      | RED          | +10 VDC     |
|         | 6   | FG       | WHITE        | PULSE/R     |
|         | 7   | Vsp      | YELLOW       | 0-10VDC/PWM |



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