

Impeller FlowMax Ultimate 90 mm

Article no.: Z-I 4080 1800



| | |
|------------------------|--------|
| Construction | |
| Weight | 407 g |
| Total length | 200 mm |
| Housing: Length | 120 mm |
| Diameter | 90 mm |
| Material | CFK |

Characteristics

- Optimized for high dynamic pressure
- Motor:
 - BLDC internal rotor
 - Significant higher lifetime, lighter and higher efficiency compared to classic DC-motors
- Control electronics:
 - Control electronics integrated into flow body
 - Standard ON/OFF
 - Customer specific Intelligent Flow Control (IFC) depending on load condition, processor and ambient temperature available
 - Customer specific interfaces (CAN, LIN etc.) available
- Installation position variable
- Customer specific preassembled cables and connectors available

Applications

- Brake cooling
- Electrics cooling
- Driver cooling
- Cooling of other critical system components

Performance

Volume flow vs. dynamic pressure at 13,5 VDC and 12,0 VDC.

| Flow [m3/h] @ 13,5 V | Dynamic pressure [Pa] @ 13,5 V | I [A] @ 13,5 V |
|-------------------------|-----------------------------------|-------------------|
| 417 | 408 | 17,6 |
| 403 | 440 | 17,5 |
| 380 | 531 | 17,4 |
| 331 | 655 | 17,1 |
| 279 | 752 | 16,5 |
| 237 | 837 | 15,9 |
| 191 | 990 | 16,6 |
| 123 | 1127 | 18,0 |
| 76 | 1202 | 18,8 |
| 63 | 1253 | 19,2 |

| Flow [m3/h] @ 12,0 V | Dynamic pressure [Pa] @ 12,0 V | I [A] @ 12,0 V |
|-------------------------|-----------------------------------|-------------------|
| 372 | 370 | 14,5 |
| 348 | 407 | 13,9 |
| 322 | 477 | 13,7 |
| 278 | 566 | 13,5 |
| 240 | 636 | 13,0 |
| 206 | 727 | 13,3 |
| 150 | 842 | 13,9 |
| 86 | 952 | 14,9 |
| 63 | 990 | 15,3 |
| 56 | 1017 | 15,5 |

