Axial fan ZAplus-ECblue

Series
ZN

Design
FE2owlet-ECblue with ZAplus

Specification
• Direct-driven axial fan
• Aerodynamic-optimised, sickle-blade profile, patterned with serrated trailing edge and winglets on the blade outer edge for energy and noise-optimised operation
• High efficient external rotor motor with innovative bionic blade in die-cast aluminium or composite injection moulded
• Highest efficiency with an optimized full bell mouth with guide vane and diffusor
• Impeller: Ø 450 – 910 mm
• Balanced in Class G 6.3 acc DIN ISO 21940, dynamic on two levels.
• Any fitting position
• Drive motor in external rotor principle, sealed in protection class IP54
• Version with integrated electronics (IP65)
• Fan overtemperature protection through active temperature management
• Motor painted in RAL 5002
• Thermal class THCL 155
• The motor efficiency class complies with IE4
• The permissible ambient temperature is -35°C* to max. +40°C (see data sheet)
• Maintenance-free ball bearings sealed on both sides with long-term lubrication
• Fan characteristic curve refer to measurements made on a combined air performance and acoustic test rig according DIN EN ISO 5801, or AMCA 210-99
• Make the electrical connection according to the operating instructions
• Highest efficiency with optimized full bell mouth with guide vane and diffusor
• ZAplus made from high performance composite material

System components
Guard grille, inlet rings

Technical data
Fan type
Fan size (Ø) _________ mm
Design
Air flow (qᵥ) _________ m³/h
Static pressure rise (∆pᵥF) _________ Pa
Rated voltage (U) _________ V
Mains frequency (f) _________ Hz
Rated power (Pᵥ) _________ kW
Efficiency (ƞᵥF) _________ %
Rated speed (n) _________ min⁻¹
Media temperature (tᵥ) _________ °C
Sound power level (LWA) _________ dB(A)
Weight (m) _________ kg

Further designs on request
All frame sizes are available in various grill and nozzle versions (designs).

*Continuous operation with occasional starts (S1) according to DIN EN 60034-1: 2011-02. Occasional starting between -35 °C and -25 °C is permissible. Permanent operation below -25 °C only possible with special bearings for refrigeration applications on request.