



Jet fans in a tunnel cross section



Attribute	Value	Unit
Inner diameter	800	mm
Thrust	995	N
Fire rating	F200	-
Power	45	kW
Voltage	400	V
Efficiency	IE3	-
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BIM-Model of a jet fan

Participation in BIM Projects

- B 2 OU GAP, bypass road including Wank Tunnel – Garmisch-Partenkirchen, Germany – single-bore tunnel, 3,500 m long
- Neue Köhlbrandquerung – Hamburg, Germany – twin-bore tunnel, 2,300 m long
- Fehmarnsundquerung, immersed tunnel Heiligenhafen-Ost – Puttgarden, Germany – 2 road tunnel bores, 2,300 m long
- E05 Korsvägen, Västlänken – Gothenburg, Sweden – municipal rail tunnels with underground train stations, 8,000 m long
- Odeonsplatz – Munich, Germany – Subway station.

In BIM (Building Information Modeling), three-dimensional models of the construction and the technical equipment are linked with further information about features, interfaces, time flow, operational data, information on life-cycle management and so on. When the models of the planning experts are put together, collisions can be quickly detected and resolved. Dependencies between the models become apparent as well, which have to be updated after changes.

Our services

- Creating a BIM project plan (BPP) according to the customer information requirements (CIR).
- Creating manufacturer-neutral, project-specific models of the technical ventilation equipment.
- Placing the models in the overall model.
- Refining the levels of detail LoD, LoI and LoG according to project advancement.
- Exchanging models with project participants as open or closed BIM.

Your benefit

- Improved communication through uniform, visual data base.
- Transparency between the project participants through traceable decisions and consequences in an overall model.
- Increasing planning reliability and planning quality thanks to model-based change maintenance as well as the constant possibility for mass and amount plausibility checks.
- BIM model as support for maintenance and operation as well as life-cycle management of the systems.