

## CERTIFICATE OF CONFORMITY

0761 – CPD – 0012

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of the European Communities of 22 July 1993, it has been stated that the construction product

**Powered smoke and heat exhaust ventilators**  
**Smoke-Axial-Ventilator**  
**Type BVAXN, nominal diameter: 500 mm ...1.600 mm**  
**Class F600**

produced by the manufacturer

**TLT-Turbo GmbH**  
**Am Weinberg 68**  
**D-36251 Bad Hersfeld**

in the factory

**Coswig (D)**

has been submitted by the manufacturer to initial type-testing by Forschungslabor für Haustechnik und Bauklimatik der TU München (notified body No. 1511). The notified body MPA Braunschweig (No. 0761) performed an initial inspection of the factory and of the factory production control and continuously carries out surveillance visits, assessments and approvals of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity described in Annex ZA of the standard

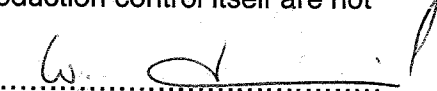
**EN 12101-3:2001-02**

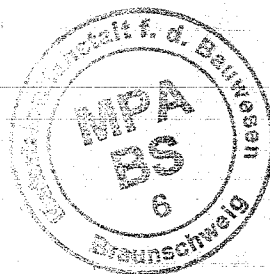
were applied and that the product meets all requirements addressed in this standard. Essential performance data are listed in the annex of this certificate.

This certificate has first been issued on 2005-12-21. It remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the factory production control itself are not modified significantly.

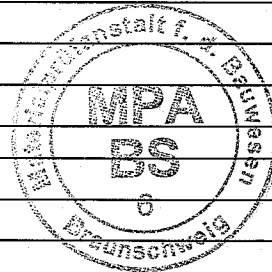
Braunschweig, 2005-12-21

ÜZ-3/734/03

  
.....  
Dr.-Ing. W. Hinrichs  
Head of certification



<b>Mechanically driven exhaust appliances for smoke and heat (fans) and flexible connectors</b>		
<b>Classification</b>		
<input checked="" type="checkbox"/>	<b>FEI<sub>200</sub></b>	<b>120</b>
<input checked="" type="checkbox"/>	<b>FEI<sub>300</sub></b>	<b>60</b>
<input checked="" type="checkbox"/>	<b>FEI<sub>400</sub></b>	<b>120</b>
<input checked="" type="checkbox"/>	<b>FEI<sub>600</sub></b>	<b>60</b>
<input type="checkbox"/>	<b>FEI<sub>842</sub></b>	<b>30</b>
<b>1. Direction of temperature load<sup>1)</sup></b>		
<input checked="" type="checkbox"/>	<b>i</b> → <b>O<sub>A</sub></b> outside of the building w/o thermal insulation	
<input checked="" type="checkbox"/>	<b>i</b> → <b>O<sub>AI</sub></b> outside of the building incl. thermal insulation	
<input type="checkbox"/>	<b>i</b> → <b>O<sub>G</sub></b> inside the building, outside of fire zone w/o thermal insulation	
<input checked="" type="checkbox"/>	<b>i</b> → <b>O<sub>GI</sub></b> inside the building, outside of fire zone incl. thermal insulation	
<input checked="" type="checkbox"/>	<b>i</b> ↔ <b>O</b> inside the fire zone	
<b>2. Installation<sup>1)</sup></b>		
<input checked="" type="checkbox"/>	<b>h</b> horizontal axle, floor standing	
<input type="checkbox"/>	<b>h<sub>W</sub></b> horizontal axle, wall mounted	
<input checked="" type="checkbox"/>	<b>h<sub>D</sub></b> horizontal axle, ceiling mounted	
<input checked="" type="checkbox"/>	<b>v<sub>dpup</sub></b> vertical axle, Δp upward	
<input checked="" type="checkbox"/>	<b>v<sub>dpdo</sub></b> vertical axle, Δp downward	
<input type="checkbox"/>	<b>v<sub>W</sub></b> vertical axle, wall mounted	
<input type="checkbox"/>	<b>v<sub>D</sub></b> vertical axle, ceiling mounted	
<b>3. Flexible connectors<sup>1)</sup></b>		
<input checked="" type="checkbox"/>	<b>e<sub>S</sub></b> flexible connector inlet side	
<input checked="" type="checkbox"/>	<b>e<sub>D</sub></b> flexible connector outlet side	
<input checked="" type="checkbox"/>	<b>e<sub>S,D</sub></b> flexible connector inlet- and outlet side	
<input type="checkbox"/>	<b>e<sub>Sair</sub></b> flexible connector for cooling air connection	
<b>4. Cooling air<sup>1)</sup></b>		
<input type="checkbox"/>	<b>c<sub>Air,θ</sub></b> Cooling air volume flow Air = min. volume flow θ = max. cooling air temperature	
<b>5. Starting<sup>1)</sup></b>		
<input checked="" type="checkbox"/>	<b>AA</b> or <b>MA</b> (automatic or manual)	
<b>6. Snow load<sup>1)</sup></b>		
<input type="checkbox"/>	<b>SL0</b>	
<input type="checkbox"/>	<b>SL125</b>	
<input type="checkbox"/>	<b>SL250</b>	
<input type="checkbox"/>	<b>SL500</b>	
<input type="checkbox"/>	<b>SL1000</b>	
<input type="checkbox"/>	<b>SLA</b>	
<b>7. Wind load<sup>1)</sup></b>		
<input type="checkbox"/>	<b>WL1500</b>	
<input type="checkbox"/>	<b>WL3000</b>	
<input type="checkbox"/>	<b>WLA</b>	
<b>Additional information</b>		
German national approval number: Z-78.1-17		
Reference standards: EN 12101-2; EN 12101-3; EN 13501-4, EN 1363-1, EN 1363-2, EN 1363-3		


<sup>1)</sup> Statement of the manufacturer