


Project

Company	
Address	
Contact	

Rotary heat exchanger

Hoval order No.	
Serial number	
Type code	

Checks during commissioning to ensure efficient and trouble-free operation		OK												
Visual check	There is no visible damage due to transport or handling.	<input type="checkbox"/>												
Assembly check	Airflow through the rotary exchanger corresponds to the arrows on the casing.	<input type="checkbox"/>												
	The wheel is aligned vertically and horizontally in the casing. (If necessary, readjust.)	<input type="checkbox"/>												
	The exchanger is properly secured in the ventilation unit and anti-vibration mounts are installed.	<input type="checkbox"/>												
	The cables are properly installed and do not rub against the wheel.	<input type="checkbox"/>												
	The casing stands on a horizontal, stable base (usually on the base of the AHU).	<input type="checkbox"/>												
	For horizontal installation: ■ The casing is supported over a wide area with additional support for the shaft.	<input type="checkbox"/>												
	For segmented wheel construction: ■ The wheel is mounted correctly according to the instructions.	<input type="checkbox"/>												
	The V-belt is properly tensioned: ■ For motors installed on a bracket: Check the angle of the bracket and, if necessary, shorten the belt.	<table border="1"> <thead> <tr> <th>Drive system</th> <th>K1, K3, K5, V0, V1</th> <th>V6</th> <th>V7</th> </tr> </thead> <tbody> <tr> <td>∅ ≤ 1000 mm</td> <td>α = 10°...15°</td> <td rowspan="3">α = 10°...15°</td> <td rowspan="3">firmly installed</td> </tr> <tr> <td>∅ 1001...1479 mm</td> <td>firmly installed</td> </tr> <tr> <td>∅ ≥ 1480 mm</td> <td>α = 30°...35°</td> </tr> </tbody> </table> 	Drive system	K1, K3, K5, V0, V1	V6	V7	∅ ≤ 1000 mm	α = 10°...15°	α = 10°...15°	firmly installed	∅ 1001...1479 mm	firmly installed	∅ ≥ 1480 mm	α = 30°...35°
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The wheel can be turned easily by hand.	<input type="checkbox"/>													
The brush seals fit tightly on the wheel or the end wall of the casing over the entire length. (If necessary, readjust the seals.)	<input type="checkbox"/>													
The purge sector is installed in the correct position.	<input type="checkbox"/>													
Function check	The wheel's direction of rotation corresponds to the direction indicated by the arrow. (If necessary, correct the electrical connection).	<input type="checkbox"/>												
	The wheel reaches the optimum speed: ■ max. 12 min ⁻¹ for design ST1 / SC1 / SE3 ■ max. 20 min ⁻¹ for design ST3 / SH1 / HM1 (If necessary, correct the setting in the controller.)	<input type="checkbox"/>												
	The rotation guard is functioning properly.	<input type="checkbox"/>												
Test run	Perform a test run with fans switched on. ■ The drive is functioning without problems. ■ The brush seals fit tightly over the entire length (If necessary, adjust the inclination of the wheel in the casing.) Remove any production chips blown out during the test run.	<input type="checkbox"/>												

Place

Date

Signature