AERECO

ZLT
Ein Unternehmen der Aereco Gruppe

Information according to Commission Regulation (EU) 327/2011 und 1253/2014

	VTZ 05	VTZ 0	VTZ 1	VTZ 2	VTZ 3	VTZ 4	VTZ 6
Commission regulation (EU) 327/2011							
1. Overall efficiency (η)	< 125W	< 125W	56,6% (> 43,1%)	65,9% (> 42,5%)	62,5% (> 47,9%)	66,7% (> 48,5%)	62,6% (> 49,7%)
2. measurement category	no information	no information	A	A	A	A	A
3. efficiency category	required	required	static	static	static	static	static
4. efficiency grade at optimum energy efficiency point			72,6 (> 62)	85,4 (> 62)	76,6 (> 62)	80,2 (> 62)	74,9 (> 62)
5. variable speed drive			variable speed drive integrated				
6. year of manufacture			see label				
7. manufacturer's name	EBM Papst Mulfingen						
8. products model number	R3G190-RC05-03	R3G190-RC05-03	R3G220-RD53-03	R3G310-RB01-03	R3G310-RO38-A1	R3G400-RS03-H1	R3G500-RH32-21
9.1 rated motor power input at optimum energy efficiency	0,083 kW	0,083 kW	0,16 kW	0,14 kW	0,45 kW	0,52 kW	0,68 kW
9.2 rated flow rate at optimum energy efficiency			805 m³/h	1355 m³/h	1805 m³/h	3200 m³/h	4580 m³/h
9.3 rated pressure at optimum energy efficiency			366 Pa	229 Pa	509 Pa	353 Pa	306 Pa
10. rotations per minute at optimum energy efficiency			3210 rpm	1520 rpm	2175 rpm	1495 rpm	1070 rpm
11. the 'specific ratio'			1,00	1,00	1,01	1,00	1,00
12. recycling							
13. installation, use, maintenance			see operating instructions				
14. additional items used determining the fan efficiency			none				
Commission regulation (EU) 1253/2014 Annex 5 1.							
a) manufacturer's name	ZLT Lüftungs- und Brandschutztechnik GmbH, Wilhermsdorfer Str. 28 D-09387 Jahnsdorf / Erzgebirge, HRB 13503 Amtsgericht Chemnitz						
b) manufacturer's model identifier	**VTZ 05**	**VTZ 0**	**VTZ 1**	**VTZ 2**	**VTZ 3**	**VTZ 4**	**VTZ 6**
c) declared typology	non-residential ventilation unit (NRVU), unidirectional ventilation unit (UVU)						
d) type of drive	variable speed drive integrated						
e) type of heat recovery system	none						
f) thermal efficiency of heat recovery	not applicable						
g) nominal flow rate	0,096 m³/s	0,167 m³/s	0,236 m³/s	0,444 m³/s	0,639 m³/s	1,250 m³/s	1,889 m³/s
h) effective electric power input	0,035 kW	0,081 kW	0,108 kW	0,154 kW	0,245 kW	0,429 kW	0,620 kW
i) internal specific fan power SFP_int	37 W/[m³/s]	121 W/[m³/s]	124 W/[m³/s]	112 W/[m³/s]	165 W/[m³/s]	46 W/[m³/s]	86 W/[m³/s]
j) face velocity	0,85 m/s	1,48 m/s	1,24 m/s	1,25 m/s	1,80 m/s	2,52 m/s	3,81 m/s
k) nominal external pressure dps_ext	130 Pa	130 Pa	130 Pa	130 Pa	130 Pa	130 Pa	130 Pa
l) internal pressure drop of ventilation components dps_int	16 Pa	45 Pa	52 Pa	62 Pa	78 Pa	20 Pa	46 Pa
m) internal pressure drop of non-ventilation components dps_add	0 Pa	0 Pa	0 Pa	0 Pa	0 Pa	0 Pa	0 Pa
n) static efficiency of fans used in accordance with 327/2011	not required	not required	56,6 %	65,9 %	62,5 %	66,7 %	62,6 %
o) declared maximum external leakage rate	not applicable						
p) energy performance of the filters	not applicable						
q) visual filter warning	not applicable						
r) casing sound power level L_WA	not applicable, because of outdoor installation						
s) internet address for disassembly instructions	http://www.zlt.de/						
complies with the requirement for the minimum fan efficiency according to 1253/2014	for 2018	for 2018	for 2018	for 2018	for 2018	for 2018	for 2018