

Manufacturer name		Ventilair Group Belgium	
Article no.		1015000105	
Model name		KHTI 450-14	
Type of the ventilation unit (VU)		NRVU, UVU without air treatment	
Speed control installed or intended to be installed		MSD (multiple speed drive)	
Type of the heat recovery system (HRS)		no heat recovery system	
thermal efficiency of HRS	$\eta_{t,NRVU}$	-	[%]
Nominal flow rate	$q_{v,nom}$	1,131	[m ³ /s]
Electrical power input	$P_{e,nom}$	0,833	[kW]
Internal specific fan power*	SFP_{int}	-	[Ws/m ³]
Face velocity	v_{nom}	11,4	[m/s]
Nominal external pressure	$\Delta p_{s,nom}$	320	[Pa]
internal pressure drop of ventilation components	$\Delta p_{s,int,nom}$	-	[Pa]
internal pressure drop of additional non-ventilation components	$\Delta p_{s,add,nom}$	-	[Pa]
Static efficiency of supply fan according Regulation (EU) No 327/2011	$\eta_{es,SUP}$	52,5	[%]
Static efficiency of exhaust fan according Regulation (EU) No 327/2011	$\eta_{es,EHA}$	-	[%]
External leakage rate		-	[%]
Internal leakage rate		-	[%]
Energy performance of the supplyfilter (energy classification)		-	
Energy performance of the exhaustfilter (energy classification)		-	
Description of visual filter warning		-	
Casing sound power level	L_{WA2}	71	[dB(A)]
Internet address		www.ventilairgroup.com	
Accordance to regulation (EU) No 1253/2014		product is compliant 2018	

* für UVU mit Filter: $SFP_{int} = \frac{\Delta p_{s,int}}{\eta_{s,Fan}}$

für BVU: $SFP_{int} = \frac{\Delta p_{s,int SUP}}{\eta_{s,Fan SUP}} + \frac{\Delta p_{s,int EHA}}{\eta_{s,Fan EHA}}$

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