ErP Product fiche for RVU according to EU 1254/2014
comfort ventilation unit M-WRG-II P

supplier's name	Meltem GmbH											
supplier model	M-WRG-II P M-WRG-II P-T M-WRG-II P-M without sensors without duct connection pipe			M-WRG-II P-F M-WRG-II P-FC M-WRG-II P-T-F M-WRG-II P-T-FC M-WRG-II P-M-F M-WRG-II P-M-FC with sensor without duct connection pipe			M-WRG-II P M-WRG-II P-T M-WRG-II P-M without sensors with channel connection pipe			M-WRG-II P-F M-WRG-II P-FC M-WRG-II P-T-F M-WRG-II P-T-FC M-WRG-II P-M-F M-WRG-II P-M-FC with sensor with channel connection pipe		
SEC [kWh/(m²a)] specific energy consumption (cold, average, warm)	-67,4	-31,4	-8,2	-77,9	-40,0	-15,7	-67,9	-31,4	-7,9	-78,4	-40,1	-15,6
SEC class	A	B	F	A	A	E	A	B	F	A	A	E
typology	RVU bidirectional (BVU)			..RVU bidirectional (BVU)			..RVU bidirectional (BVU)			…RVU bidirectional (BVU)		
type of drive installed	variable speed			variable speed			variable speed			variable speed		
type of heat recovery system	recuperative			recuperative			recuperative			recuperative		
thermal efficiency of heat recovery [%]	83,6			83,6			83,6			83,6		
maximum flow rate [m³/h]	100			100			100			100		
max. electric power input of the fan drive [W]	53			53			56			56		
sound power level L_{WA} [dB(A)]	SM[1]/FM[2]: 43			SM[1]/FM[2]: 43			WI[3]: 37			WI[3]: 37		
reference flow rate [m³/s / m³/h]	0,01944 / 70			0,01944 / 70			0,01944 / 70			0,01944 / 70		
reference pressure difference [Pa]	0			0			50			50		
specific power input (SPI) [W/(m³/h)]	0,33			0,33			0,38			0,38		
control factor and control typology	1 Manual control			0,65 Local demand control			1 Manual control			0,65 Local demand control		
max. internal leakage rate /	Inside: 0,0			Inside: 0,0			Inside: 0,1			Inside: 0,1		
max. external leakage rate [%]	Outside: 1,5			Outside: 1,5			Outside: 1,5			Outside: 1,5		
mixing rate [%]	U1: 0,0			U1: 0,0			-			-		
position, description of visual/acoustically filter warning	Message on the device or control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/ energy efficiency of the device!			Message on the device or control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/ energy efficiency of the device!			Message on the device or control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/ energy efficiency of the device!			Message on the device or control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/ energy efficiency of the device!		
internet address	www.meltem.com			www.meltem.com			www.meltem.com			www.meltem.com		
airflow sensitivity to pressure variations at -20 Pa and +20 Pa [%]	S1: 1,0			S1: 1,0			-			-		
indoor / outdoor air tightness [m³/h]	outward: 2,1 inward: 2,3			outward: 2,1 inward: 2,3			-			-		
AEC annual electricity consumption [kWh/(m²a)]	5,0			2,4			5,2			2,5		
AHS annual heating saved (cold, average, warm) [kWh/(m²a)]	84,6	43,3	19,6	88,6	45,3	20,5	85,7	43,8	19,8	89,2	45,6	20,6

[1] surface-mount, [2] flush-mount, [3] wall-integrated U² with duct connection Exhaust air side

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comfort ventilation unit M-WRG-II P

supplier's name	Meltem GmbH											
supplier model	M-WRG-II P M-WRG-II P-T M-WRG-II P-M with external radio sensor without duct connection pipe			M-WRG-II P M-WRG-II P-T M-WRG-II P-M with external radio sensor with channel connection pipe								
SEC [kWh/(m²a)] specific energy consumption (cold, average, warm)	-77,9	-40,0	-15,7	-78,4	-40,1	-15,6						
SEC class	A	A	E	A	A	E						
typology	RVU bidirectional (BVU)			RVU bidirectional (BVU)								
type of drive installed	variable speed			variable speed								
type of heat recovery system	recuperative			recuperative								
thermal efficiency of heat recovery [%]	83,6			83,6								
maximum flow rate [m³/h]	100			100								
max. electric power input of the fan drive [W]	53			56								
sound power level L_{WA} [dB(A)]	SM[1]/FM[2]: 43			WI[3]: 37								
reference flow rate [m³/s / m³/h]	0,01944 / 70			0,01944 / 70								
reference pressure difference [Pa]	0			50								
specific power input (SPI) [W/(m³/h)]	0,33			0,38								
control factor and control typology	0,65 Local demand control			0,65 Local demand control								
max. internal leakage rate /	Inside: 0,0			Inside: 0,1								
max. external leakage rate [%]	Outside: 1,5			Outside: 1,5								
mixing rate [%]	U1: 0,0			-								
position, description of visual/acoustically filter warning	Message on the device or control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/ energy efficiency of the device!			Message on the device or control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/ energy efficiency of the device!								
internet address	www.meltem.com			www.meltem.com								
airflow sensitivity to pressure variations at -20 Pa and +20 Pa [%]	S1: 1,0			-								
indoor / outdoor air tightness [m³/h]	outward: 2,1 inward: 2,3			-								
AEC annual electricity consumption [kWh/(m²a)]	2,4			2,5								
AHS annual heating saved (cold, average, warm) [kWh/(m²a)]	88,6	45,3	20,5	89,2	45,6	20,6						

[1] surface-mount, [2] flush-mount, [3] wall-integrated U² with duct connection Exhaust air side