

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

<b>supplier's name</b>	Meltem Wärmerückgewinnung GmbH & Co. KG												
<b>supplier model</b>	M-WRG-II E M-WRG-II E-T M-WRG-II E-M M-WRG-II E-S 485			M-WRG-II E-F M-WRG-II E-FC M-WRG-II E-T-F M-WRG-II E-T-FC M-WRG-II E-M-F M-WRG-II E-M-FC M-WRG-II E-S 485-F M-WRG-II E-S 485-FC			M-WRG-II E M-WRG-II E-T M-WRG-II E-M M-WRG-II E-S 485			M-WRG-II E-F M-WRG-II E-FC M-WRG-II E-T-F M-WRG-II E-T-FC M-WRG-II E-M-F M-WRG-II E-M-FC M-WRG-II E-S 485-F M-WRG-II E-S 485-FC			
	without sensors without duct connection pipe			with sensor without duct connection pipe			without sensors with channel connection pipe			with sensor with channel connection pipe			
<b>SEC [kWh/(m<sup>2</sup>a)] specific energy consumption (cold, average, warm)</b>	-62,3	-29,2	-7,5	-74,4	-38,4	-15,1	-63,9	-30,0	-7,9	-75,5	-38,9	-15,3	
<b>SEC class</b>	A	B	F	A	A	E	A	B	F	A	A	E	
<b>typology</b>	RVU bidirectional (BVU)			..RVU bidirectional (BVU)			..RVU bidirectional (BVU)			...RVU bidirectional (BVU)			
<b>type of drive installed</b>	variable speed			variable speed			variable speed			variable speed			
<b>type of heat recovery system</b>	recuperative			recuperative			recuperative			recuperative			
<b>thermal efficiency of heat recovery [%]</b>	75,1			75,1			75,1			75,1			
<b>maximum flow rate [m<sup>3</sup>/h]</b>	100			100			100			100			
<b>max. electric power input of the fan drive [W]</b>	53			53			55			55			
<b>sound power level LWA [dB(A)]</b>	SM <sup>1</sup> /FM <sup>2</sup> : 44/43			SM <sup>1</sup> /FM <sup>2</sup> : 44/43			WI <sup>3</sup> : 38			WI <sup>3</sup> : 38			
<b>reference flow rate [m<sup>3</sup>/s / m<sup>3</sup>/h]</b>	0,01944 / 70			0,01944 / 70			0,01944 / 70			0,01944 / 70			
<b>reference pressure difference [Pa]</b>	0			0			50			50			
<b>specific power input (SPI) [W/(m<sup>3</sup>/h)]</b>	0,31			0,31			0,34			0,34			
<b>control factor and control typology</b>	1 Manual control			0,65 Local demand control			1 Manual control			0,65 Local demand control			
<b>max. internal leakage rate / max. external leakage rate [%]</b>	Inside: 0,3 Outside: 1,9			Inside: 0,3 Outside: 1,9			Inside: 0,6 Outside: 2,0			Inside: 0,6 Outside: 2,0			
<b>mixing rate [%]</b>	U1: 0,0			U1: 0,0			-			-			
<b>position, description of visual filter warning</b>	Message on the control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/energy efficiency of the device!			Message on the control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/energy efficiency of the device!			Message on the control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/energy efficiency of the device!			Message on the control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/energy efficiency of the device!			
<b>internet address</b>	www.meltem.com			www.meltem.com			www.meltem.com			www.meltem.com			
<b>airflow sensitivity to pressure variations at -20 Pa and +20 Pa [%]</b>	S1: 4,0			S1: 4,0			-			-			
<b>indoor / outdoor air tightness [m<sup>3</sup>/h]</b>	outward: 2,1 inward: 2,3			outward: 2,1 inward: 2,3			-			-			
<b>AEC annual electricity consumption [kWh/(m<sup>2</sup>a)]</b>	4,7			2,3			4,7			2,3			
<b>AHS annual heating saved (cold, average, warm) [kWh/(m<sup>2</sup>a)]</b>	78,8	40,3	18,2	84,8	43,3	19,6	80,4	41,1	18,6	85,8	43,9	19,8	

<sup>1</sup> surface-mount, <sup>2</sup> flush-mount, <sup>3</sup> wall-integrated U<sup>2</sup> with duct connection Exhaust air side

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<b>supplier model</b>	M-WRG-II E M-WRG-II E-T M-WRG-II E-M  with external radio sensor without duct connection pipe			M-WRG-II E M-WRG-II E-T M-WRG-II E-M  with external radio sensor with channel connection pipe							
<b>SEC [kWh/(m²a)] specific energy consumption (cold, average, warm)</b>	-74,4	-38,4	-15,1	-75,5	-38,9	-15,3					
<b>SEC class</b>	A	A	E	A	A	E					
<b>typology</b>	RVU bidirectional (BVU)			..RVU bidirectional (BVU)							
<b>type of drive installed</b>	variable speed			variable speed							
<b>type of heat recovery system</b>	recuperative			recuperative							
<b>thermal efficiency of heat recovery [%]</b>	75,1			75,1							
<b>maximum flow rate [m³/h]</b>	100			100							
<b>max. electric power input of the fan drive [W]</b>	53			55							
<b>sound power level Lwa [dB(A)]</b>	SM <sup>1</sup> /FM <sup>2</sup> :44/43			WI <sup>3</sup> : 38							
<b>reference flow rate [m³/s / m³/h]</b>	0,01944 / 70			0,01944 / 70							
<b>reference pressure difference [Pa]</b>	0			50							
<b>specific power input (SPI) [W/(m³/h)]</b>	0,31			0,34							
<b>control factor and control typology</b>	0,65 Local demand control			0,65 Local demand control							
<b>max. internal leakage rate / max. external leakage rate [%]</b>	Inside: 0,3 Outside: 1,9			Inside: 0,6 Outside: 2,0							
<b>mixing rate [%]</b>	U1: 0,0			-							
<b>position, description of visual filter warning</b>	Message on the control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/energy efficiency of the device!			Message on the control panel, runtime-controlled filter monitoring, regular filter changes are important for the performance/energy efficiency of the device!							
<b>internet address</b>	www.meltem.com			www.meltem.com							
<b>airflow sensitivity to pressure variations at -20 Pa and +20 Pa [%]</b>	S1: 4,0			-							
<b>indoor / outdoor air tightness [m³/h]</b>	outward: 2,1 inward: 2,3			-							
<b>AEC annual electricity consumption [kWh/(m²a)]</b>	2,3			2,3							
<b>AHS annual heating saved (cold, average, warm) [kWh/(m²a)]</b>	84,8	43,3	19,6	85,8	43,9	19,8					

<sup>1</sup> surface-mount, <sup>2</sup> flush-mount, <sup>3</sup> wall-integrated U<sup>2</sup> with duct connection Exhaust air side