

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

<b>supplier's name</b>	Meltem Wärmerückgewinnung GmbH & Co. KG											
<b>supplier model</b>	M-WRG-II P M-WRG-II P-T M-WRG-II P-M M-WRG-II P-S 485  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 M-WRG-II P-S 485-F M-WRG-II P-S 485-FC  with sensor without duct connection pipe			M-WRG-II P M-WRG-II P-T M-WRG-II P-M M-WRG-II P-S 485  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 M-WRG-II P-S 485-F M-WRG-II P-S 485-FC  with sensor with channel connection pipe		
<b>SEC [kWh/(m<sup>2</sup>a)] specific energy consumption (cold, average, warm)</b>	-67,4	-31,4	-8,2	-77,9	-40,0	-15,7	-67,9	-31,4	-7,9	-78,4	-40,1	-15,6
<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 <math>\eta_5</math> [%]</b>	83,6			83,6			83,6			83,6		
<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			56			56		
<b>sound power level LWA [dB(A)]</b>	SM <sup>1</sup> /FM <sup>2</sup> : 43			SM <sup>1</sup> /FM <sup>2</sup> : 43			WI <sup>3</sup> : 37			WI <sup>3</sup> : 37		
<b>reference flow rate <math>q_5</math> [m<sup>3</sup>/h]</b>	70			70			70			70		
<b>reference pressure difference [Pa]</b>	0			0			50			50		
<b>specific power input (SPI) [W/(m<sup>3</sup>/h)]</b>	0,33			0,33			0,38			0,38		
<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: 0,0 Outside: 1,5			Inside: 0,0 Outside: 1,5			Inside: 0,1 Outside: 1,5			Inside: 0,1 Outside: 1,5		
<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: 1,0			S1: 1,0			-			-		
<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>	5,0			2,4			5,2			2,5		
<b>AHS annual heating saved (cold, average, warm) [kWh/(m<sup>2</sup>a)]</b>	84,6	43,3	19,6	88,6	45,3	20,5	85,7	43,8	19,8	89,2	45,6	20,6

<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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supplier model	M-WRG-II P M-WRG-II P-T M-WRG-II P-M	M-WRG-II P M-WRG-II P-T M-WRG-II P-M								
	with external radio sensor without duct connection pipe			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 $\eta_5$ [%]	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 LWA [dB(A)]	SM <sup>1</sup> /FM <sup>2</sup> : 43			WI <sup>3</sup> : 37						
reference flow rate $q_5$ [m³/h]	70			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 / max. external leakage rate [%]	Inside: 0,0 Outside: 1,5			Inside: 0,1 Outside: 1,5						
mixing rate [%]	U1: 0,0			-						
position, description of visual filter warning	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!						
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				

<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