

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

supplier's name	Meltem Wärmerückgewinnung GmbH & Co. KG											
supplier model	M-WRG-II P M-WRG-II P-T M-WRG-II P-M M-WRG-II P-S 485	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			M-WRG-II P M-WRG-II P-T M-WRG-II P-M M-WRG-II P-S 485			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				
	without sensors without duct connection pipe	with sensor without duct connection pipe			without sensors with channel connection pipe			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 LWA [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 / max. external leakage rate [%]	Inside: 0,0 Outside: 1,5			Inside: 0,0 Outside: 1,5			Inside: 0,1 Outside: 1,5			Inside: 0,1 Outside: 1,5		
mixing rate [%]	U1: 0,0			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!			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			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 Meltem M-WRG-II P**

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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 [%]	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 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 / 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					

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