



**MINI VRF**

UP TO **64** CONNECTABLE INDOOR UNITS  
UP TO **130%** SIMULTANEITY

**DC inverter** fans  
**R410A** Refrigerant gas  
Multiple options of installation

MODELS		HTWV80WDN1	HTWV105WDN1	HTWV120WDN1	HTWV140WDN1	HTWV120WDRN1	HTWV140WDRN1	HTWV160WDRN1	HTWV180WDRN1	
Maximum number of connectable indoor		4	5	6	6	6	6	7	9	
Power supply		V,PHZ 220-V (1 Phase, 50/60Hz)				380-410V (3 Phase, 50/60Hz)				
<b>PERFORMANCE</b>										
Cooling mode <sup>1</sup>	Capacity	<b>kW</b>	7,2	9	12,3	14	12,3	14	15,5	17,5
	Consumption	<b>kW</b>	1,85	2,54	3,25	3,85	3,25	3,85	4,39	5,47
	EER	-	3,9	3,55	3,78	3,64	3,78	3,64	3,53	3,2
	SEER	-	6,5	6,25	5,6	5,9	5,6	5,9	6	5,5
Heating mode <sup>2</sup>	Capacity	<b>kW</b>	7,2	9	13,2	15,4	13,2	15,4	17	19
	Consumption	<b>kW</b>	1,79	2,47	3,47	4,05	3,47	4,05	4,64	5
	COP	-	4,02	3,64	3,8	3,8	3,8	3,8	3,66	3,8
	SCOP	-	4,05	4,05	4,05	4	4,05	4	3,7	4,15
<b>CHARACTERISTICS</b>										
Compressor	Type	Rotary								
	Quantity	1								
	Brand	Mitsubishi								
Air flow	<b>m³/h</b>	5.500	5.500	6.000	6.000	6.000	6.000	6.000	6.000	6.800
Sound pressure <sup>3</sup>	<b>dB(A)</b>	56	57	57	57	57	57	57	56	59
Maximum design pressure	<b>Mpa</b>	4,4/2,6								
Operating temperature range	Cooling	<b>°C</b> -15~43								
	Heating	<b>°C</b> -15~27								
Refrigerant R410A	Charge	<b>Kg</b>	2,95	2,95	3,3	3,9	3,3	3,9	3,9	4,5
<b>DIMENSIONS AND WEIGHT</b>										
Net dimensions (W×H×D)	<b>mm</b>	1.075x966x396	1.075x966x396	900x1.327x400	900x1.327x400	900x1.327x400	900x1.327x400	900x1.327x400	900x1.327x400	900x1.327x400
Net weight	<b>Kg</b>	75,5	75,5	95	95	95	95	102	102	107
<b>CONNECTIONS</b>										
Electric connections	Power supply	<b>mm²</b>	3x4.0	3x4.0	3x4.0	3x4.0	5x2.5	5x2.5	5x2.5	5x2.5
	Interconnection	<b>mm²</b>	3x1,5 (A)							
Refrigerant pipe	Liquid	<b>in.</b>	3/8"							
	Gas	<b>in.</b>	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
Pipe length	Total	<b>m</b>	100							
	Vertical	<b>m</b>	30							

**Notes:**

- Cooling:** Inside temperature 27°C BS, 19°C BH; Outside temperature 25°C BS, 24°C BH; Equivalent pipe length: 5m; Height difference: 0m.
- Heating:** Inside temperature 20°C BS, 15°C BH; Outside temperature 7°C BS, 6°C BH; Equivalent pipe length: 5m; Height difference: 0m.
- Sound level: Conversion value in an anechoic chamber, measured at a distance of 1m and a height of 1m.



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MODELS		HTW200WDRN18R0	HTW224WDRN18R0	HTW260WDRN18R0	HTW280WDGN1	HTW335WDGN1	HTW400WDRN1	HTW450WDRN1	
Maximum number of connectable indoor		10	11	12	16	20	14	15	
Power supply		<b>V, PHZ</b> 380-410V (3 Phase, 50/60Hz)							
<b>PERFORMANCE</b>									
Cooling mode <sup>1</sup>	Capacity	<b>kW</b>	20	22,4	26	28	33,5	40	45
	Consumption	<b>kW</b>	6,35	6,81	8,13	12,07	15,09	15,09	13,55
	EER	-	3,15	3,29	3,2	2,32	2,22	2,65	3,32
	SEER	-	5,8	5,9	5,7	6,43	6,77	5,7	5,65
Heating mode <sup>2</sup>	Capacity	<b>kW</b>	22	24,5	28,5	28	33,5	40	45
	Consumption	<b>kW</b>	6,2	5,9	7,22	6,68	7,94	10	11,39
	COP	-	3,55	4,15	3,95	4,19	4,22	4	4,05
	SCOP	-	3,75	3,8	4	4,11	4,05	3,75	3,7
<b>CHARACTERISTICS</b>									
Compressor	Type	Rotary							
	Quantity	1	1	1	1	1	2	2	
	Brand	Mitsubishi							
Air flow	<b>m<sup>3</sup>/h</b>	10.999	10.494	10.494	11.000	11.300	16.575	16.575	
Sound pressure <sup>3</sup>	<b>dB(A)</b>	59	59	60	59	61	62	62	
Maximum design pressure	<b>Mpa</b>	4,4/2,6							
Operating temperature range	Cooling	<b>°C</b>	-15~46	-15~46	-15~46	-5~48	-5~48	-5~48	
	Heating	<b>°C</b>	-15~24	-15~24	-15~24	-20~24	-20~24	15~24	
Refrigerant R410A	Charge	<b>Kg</b>	4,8	6,2	6,2	8	8	9	12
<b>DIMENSIONS AND WEIGHT</b>									
Net dimensions (W×H×D)	<b>mm</b>	1.120x1.558x528	1.120x1.558x528	1.120x1.558x528	1.120x1.558x528	1.120x1.558x528	1.360x650x540	1.460x650x540	
Net weight	<b>Kg</b>	107	146,5	147	157	157	250	280	
<b>CONNECTIONS</b>									
Electric connections	Power supply	<b>mm<sup>2</sup></b>	5x4.0	5x4.0	5x4.0	5x6.0	5x10.0	5x10.0	5x10.0
	Interconnection	<b>mm<sup>2</sup></b>	3x1,5 (A)						
Refrigerant pipe	Liquid	<b>In.</b>	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
	Gas	<b>In.</b>	3/4"	3/4"	3/4"	7/8"	1"	7/8"	1"
Pipe length	Total	<b>m</b>	120	120	100	150	150	250	250
	Vertical	<b>m</b>	30	30	30	50	50	30	30

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