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R290 Mono Inverter Heat Pump for House Heating + Cooling + DHW

Features :

- (1) R290 refrigerant gas
- (2) Energy Class: A+++
- (3) Heating+Cooling +Hot Water
- (4) Full DC inverter compressor and fan motor
- (5) Max outlet temperature: 75°C
- (6) Wifi smart control
- (7) Inverter water pump inside.
- (8) Modbus RS485



Model:			6 KW	8 KW	8 KW	12 KW	12 KW	18 KW	18 KW
European Model:			SMRT3-006TC1	SMTR3-008TC1	SMTR3-008TC3	SMTR3-012TC1	SMTR3-12TC3	SMTR3-018TC1	SMTR3018TC3
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
Nominal Heating (Max) (A7/6°C,W30/35°C)	Heating Capacity	kW	2.92-9.10	4.10-12.10	4.10-12.10	4.30-15.20	4.30-15.20	7.24-21.90	7.24-21.90
	Power Input	kW	0.61-2.11	0.79-2.85	0.79-2.85	0.87-3.73	0.87-3.73	1.50-5.88	1.50-5.88
	Current Input	A	2.80-9.25	3.45-13.04	1.62-4.57	4.02-16.38	1.78-6.04	6.86-30.25	2.82-9.16
	COP	W/W	4.31-5.66	4.24-5.57	4.24-5.57	4.07-5.57	4.07-5.57	3.82-5.59	3.82-5.59
Nominal Heating (Max) (A7/6°C,W47/55°C)	Heating Capacity	kW	2.99-8.16	4.05-12.15	4.05-12.15	4.25-14.55	4.25-14.55	6.36-19.45	6.36-19.45
	Power Input	kW	1.03-2.92	1.38-4.06	1.38-4.06	1.45-4.28	1.45-4.28	2.15-6.85	2.15-6.85
	Current Input	A	4.57-12.79	5.73-17.70	2.70-6.43	6.71-18.80	2.84-6.78	9.84-30.12	3.71-10.60
	COP	W/W	2.79-3.46	2.99-3.45	2.99-3.45	2.83-3.45	2.83-3.45	2.84-3.57	2.84-3.57
Nominal Cooling (Max) (A35/24°C,W12/7°C)	Cooling Capacity	kW	1.38-5.70	3.65-8.59	3.65-8.59	3.65-11.04	3.65-11.04	4.55-17.20	4.55-17.20
	Power Input	kW	0.67-2.44	1.12-3.31	1.12-3.31	1.12-3.97	1.12-3.97	1.85-7.31	1.85-7.31
	Current Input	A	3.06-10.27	5.18-14.47	1.97-5.25	5.18-17.44	1.97-6.30	8.47-32.1	2.99-11.26
ERP Level (Outlet water temp. at 35°C)	/	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Rated Input Power	kW	3.50	5.40	5.85	5.40	5.85	7.50	10.50	
Rated Input Current	A	15.0	25.0	10.0	25.0	10.0	35.0	17.0	
Refrigerant / Weight	/kg	R290/ 0.55	R290/1.05	R290/1.05	R290/1.05	R290/1.05	R290/ 1.40	R290/ 1.40	
CO ₂ Equivalent	/	0.0017t	0.0032t	0.0032t	0.0032t	0.0032t	0.0042t	0.0042t	
Operation Pressure (Low Side)		0.8	0.8	0.8	0.8	0.8	0.8	0.8	
Operation Pressure (High Side)		3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Maximum Allowable Pressure		3.2	3.2	3.2	3.2	3.2	3.2	3.2	
Rated water flow	m³/h	1.00	1.40	1.40	2.06	2.06	3.10	3.10	
Fan quantity	/	1	1	1	1	1	2	2	
Fan motor type	/	DC inverter							
Compressor	/	DC inverter							
Circulating pump	/	Inverter type / Built-in							
IP Class	/	IPX4							
Sound pressure at 1m distance	dB(A)	46	43	43	53	54	56	56	
Max outlet water temperature	°C	75	75	75	75	75	75	75	
Water piping connections	inch	G1	G1	G1	G1	G1	G1-1/4	G1-1/4	
Water Pressure drop(max)	kPa	20	20	20	20	20	55	55	
Operating temperature range (Heating mode)	°C	-25-45							
Operating temperature range (Cooing mode)	°C	16-45							
Unpacked Dimensions (LxDxH)	mm	1187x418x805	1287x438x904	1287x438x904	1287x438x904	1287x438x904	1187x488x1456	1187x488x1456	
Packed Dimensions (LxDxH)	mm	1217x463x920	1317x493*1020	1317x493*1020	1317x493*1020	1317x493*1020	1217x538x1570	1217x538x1570	
UnPacked Weight	kg	110	134	134	134	134	195	195	
Packed Weight	kg	125	159	159	159	159	210	210	