KNAPS
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R410A POWERFUL COMMERCIAL
Water Heater



MODBUS

Features

- Modbus: The mainboard has RS 485 communication connection, can communicate via Modbus
- Full-automatic: Adopt the smart controller, doesn't need manual operation
- High Efficiency: Adequate heat transfer area ensures the high COP and performance
- Comfort: High water temperature up to 60°C, large hot water supply
- Multiple protections:The multiple protective design ensures the system long service life and stable operation, including high pressure protection, low pressure protection, high voltage/current protection, high temperature protection, frosting protection and anti-freeze protection
- Environmentally friendly: Use the environmentally friendly refrigerant R410A
- Wide Application: Operation ambient temperature -15°C~43°C, system can be used for hotel, hosipital, school, factory and so on

RS-019|022|032|038 TA1
RS-045|076|090|100|200 TA1

T E C H N I C A L D A T A

Model	RS-019TA1	RS-022TA1	RS-032TA1	RS-038TA1
Power Supply	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz
Heating Capacity(kBTU/h)	61.42	75.07	109.19	129.66
Heating Capacity (kW)	18.00	22.00	32.00	38.00
Rated Input Power(kW)	4.20	5.15	7.40	8.75
Rated Current(A)	7.51	9.21	13.51	15.64
COP	4.29	4.27	4.32	4.34
Max Power Input(kW)	7.20	8.70	12.00	13.90
Max Current(A)	12.90	15.60	21.60	24.85
Water Temp. Range (°C)	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60
Working temp. range(°C)	-15~43	-15~43	-15~43	-15~43
Anti-electric chock class	I	I	I	I
Water proof grade	IPX4	IPX4	IPX4	IPX4
Water flow volume(L/h)	4000	4500	6900	8000
Water Pressure Drop(kPa)	50	50	60	60
Compressor qty.	1	1	2	2
Fan motor qty.	1	1	2	2
Color	Black, Matte surface			
Air Flow Direction	Vertical			
Safeties	LP & HP Cutout, Current & Voltage, Overheat, Temperature, Pressure Protection			
Defrosting	Auto and By manual			
Dimensions(L*W*H)(mm)	752*691*1000	752*691*1000	1410*748*1000	1410*748*1000
Noise(dB(A))	≤57	≤57	≤59	≤59
Net Weight(kg)	155	155	259	259
Water connection(mm)	male 25	male 25	female 32	female 32
Gross Weight(kg)	163	163	269	269
Packing Dimensions(L*W*H)(mm)	792*741*1151	792*741*1151	1460*798*1151	1460*798*1151
Container Loading quantity(20GP/40HQ)	42/86	42/86	20/44	20/44

Model	RS-045TA1	RS-076TA1	RS-090TA1	RS-100TA1	RS-200TA1
Power Supply	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz
Heating Capacity(kBTU/h)	160.37	259.32	300.27	344.63	655.13
Heating Capacity(kW)	47.00	76.00	88.00	101.00	192.00
Rated Input Power(kW)	10.82	17.70	21.00	23.38	45.90
Rated Current(A)	19.34	32.00	37.54	41.79	80.30
COP	4.34	4.29	4.19	4.32	4.18
Max Power Input(kW)	16.23	28.50	31.50	33.90	68.85
Max Current(A)	29.01	51.00	56.31	60.60	120.45
Water Temp. Range (°C)	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60
Working temp. range(°C)	-15~43	-15~43	-15~43	-25~43	-25 ~ 43
Anti-electric chock class	I	I	I	I	I
Water proof grade	IPX4	IPX4	IPX4	IPX4	IPX4
Water flow volume(L/h)	9500	16000	18000	20000	35000
Water Pressure Drop(kPa)	65	65	65	65	75
Compressor qty.	1	2	1	1	2
Fan motor qty.	1	2	2	2	2
Color	Black, Matte surface				
Air Flow Direction	Vertical				
Safeties	LP & HP Cutout, Current & Voltage, Overheat, Temperature, Pressure Protection				
Defrosting	Auto and By manual				
Dimensions(L*W*H)(mm)	1250*1076*1870	2198*1096*2176	2198*1096*2176	2198*1096*2176	2260*1160*2320
Noise(dB(A))	≤65	≤70	≤70	≤70	≤75
Net Weight(kg)	450	650	700	715	1000
Water connection(mm)	male 40	female 50	female 50	female 50	female 80
Gross Weight(kg)	462	665	725	740	1035
Packing Dimensions(L*W*H)(mm)	1350*1076*1870	2198*1096*2296	2198*1096*2296	2198*1096*2296	2300*1160*2320
Container Loading quantity(20GP/40HQ)	8/16	5/10	5/10	5/10	4/10

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.