Rooftop Packaged Air Conditioners Tropical Range

- URTT 018-276

Ready for T3 Air Climates



ÜNTES®
Building Trust since 1968

URTT Series

Tropical Range Rooftop Packaged Units for T3 Air Climates

Cooling capacity: 18,33 kW - 275,96 kW

- **High Energy Efficient Packaged Air Conditioners**
- **Eco-Friendly R410a Refrigerant Gas**
- **Monoblock Compact Unit**
- **Advanced Control Options**
- **Optimal Energy Efficiency, Air Quality and Comfort**
- **Wide and Versatile Range**
- **Energy Saving Solutions for All Commercial Buildings**



Ready for T3 Air Climates

Each kW is under control!

ISO 9001 ISO 14001 plug & play CE PED 2014/68/EU R410A

Structural Features

- **Construction and Panel:** Corrosion Resistant Self-supported Frame
- **Sheet Metal Material:** Powder Coated Galvanized Steel
- **Thermal and Acustic Insulation:** High Performance Thermal and Acustic Insulation with Various Options
- **Refrigerant Control:** Thermostatic / Electronic Expansion Valve Options
- **Heating:** Electrical Heating Options
- **Heating / Cooling Coil:** Cupper Pipe Aluminum Fins with Various Coating Options
- **Supply Fan & Motors:** High Efficiency Belt Driven Fans with IE2 / IE3 Motors
- **Pressure:** High / Low Pressure Gauge
- **Power and Regulation:** IP54 / IP55 Class Built-in Power and Control Panel

Types

- **BSC SS:** Unit with Basic Controller
- **ADV SS:** Unit with Advanced Microprocessor

Versions

- **SS:** Cooling Only

Optional Features

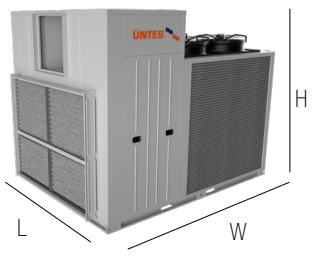
- Filter Clogging Alarm
- Coil Coating
- Outdoor Coil Protection Grill
- Stainless Steel Drain Pan
- High/Low Capacity Electrical Heater
- Electronic Expansion Valve
- Hot Gas Bypass
- Room Display Unit
- Pump-Down Application
- Dehumidification Control Feature
- Supply Temperature Control
- Smoke Detector And Fire Alarm
- External Fire Alarm
- Low Pressure Transmitter
- High Pressure Transmitter
- IP55 Electrical Panel
- Main Circuit isolator
- Modbus Rtu Communication Card
- Safety Relief Valve
- Ball Type Shut-Off Valve
- Metal, Panel and Bag Filters
- Adjustble Belt Pulley System



URTT Series		018~094									
		018	023	032	037	047	054	064	072	080	094
Technical Specifications											
Nominal Airflow Rate	m³/h	2.800	3.600	4.750	5.600	7.200	8.200	9.300	10.800	12.100	14.000
❶ Gross Cooling Capacity	kW	18,81	23,61	32,08	37,38	47,90	55,97	64,13	73,79	82,18	95,05
❶ Net Cooling Capacity	kW	18,54	23,06	31,38	37,17	46,95	55,07	62,91	72,09	80,53	92,64
❶ Net Sensible Cooling Capacity	kW	12,95	16,24	22,04	25,95	33,36	38,66	43,86	50,37	57,11	65,39
❶ Comps. Abs. Power	kW	4,74	6,02	7,79	9,45	11,96	13,81	15,60	18,22	20,74	24,25
❷ Gross Cooling Capacity	kW	16,86	21,14	28,42	34,08	42,84	49,75	56,77	65,57	73,97	85,84
❷ Net Cooling Capacity	kW	16,60	20,58	27,72	33,37	41,89	48,84	55,55	63,87	72,33	83,43
❷ Net Sensible Cooling Capacity	kW	12,14	15,25	20,55	24,42	31,32	36,14	40,84	47,02	53,82	61,72
❸ EER	Btu/W.h	10,16	9,71	9,08	9,68	9,95	9,81	9,17	9,25	9,48	9,72
❹ IEER	Btu/W.h	11,1	10,1	9,6	10,4	10,6	11,1	10,3	10,4	10,4	10,4
❺ Maximum External Static Pressure	Pa	518	530	606	511	571	590	564	676	583	670
Circuit-Compressor	Qty	1-1	1-1	1-1	2-2	2-2	2-2	2-2	2-2	2-2	2-2
Dimensions											
Width (W)	mm	1.362	1.362	1.362	1.360	1.550	1.770	1.920	1.920	2.080	2.220
Height (H)	mm	1.442	1.592	1.708	1.779	1.819	1.858	1.858	1.979	1.979	2.069
Length (L)	mm	1.846	1.846	1.926	2.208	2.358	2.358	2.358	2.688	2.688	2.938
Weight											
Total	kg	374	402	459	512	648	814	836	895	966	1.095

URTT Series		108~276									
		108	122	138	154	155	176	179	204	244	276
Technical Specifications											
Nominal Airflow Rate	m³/h	16.600	18.800	21.200	23.700	23.700	27.000	27.000	30.500	37.000	42.500
❶ Gross Cooling Capacity	kW	107,77	113,10	136,66	153,22	154,07	176,32	177,16	201,06	240,90	273,28
❶ Net Cooling Capacity	kW	103,63	109,76	133,03	149,29	151,18	171,22	173,20	197,32	234,72	267,20
❶ Net Sensible Cooling Capacity	kW	74,92	78,19	94,81	105,96	107,80	120,93	122,89	139,61	166,63	190,63
❶ Comps. Abs. Power	kW	27,29	31,57	33,98	37,92	37,99	44,05	44,13	50,31	60,33	68,22
❷ Gross Cooling Capacity	kW	95,09	101,82	122,10	136,08	136,76	156,96	157,62	179,15	216,69	244,02
❷ Net Cooling Capacity	kW	92,43	98,47	118,46	132,15	133,87	151,87	153,65	175,40	210,51	237,94
❷ Net Sensible Cooling Capacity	kW	69,18	73,66	88,92	99,02	100,77	113,10	114,96	130,72	156,90	178,81
❸ EER	Btu/W.h	8,94	7,91	8,93	9,26	10,11	9,00	9,92	10,17	9,68	10,04
❹ IEER	Btu/W.h	9,6	7,9	9,8	10,2	11,5	9,9	11,3	11,7	10,4	11,0
❺ Maximum External Static Pressure	Pa	447	410	705	541	863	587	847	943	824	741
Circuit-Compressor	Qty	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	4-4	4-4
Dimensions											
Width (W)	mm	2.220	2.220	2.200	2.310	2.206	2.310	2.266	2.266	2.266	2.266
Height (H)	mm	2.154	2.364	2.404	2.404	2.257	2.491	2.321	2.321	2.473	2.473
Length (L)	mm	3.208	3.288	3.478	3.448	4.577	3.848	4.677	5.017	5.790	6.030
Weight											
Total	kg	1.304	1.309	1.579	1.702	1.936	2.016	2.097	2.230	2.676	3.006

❶ Capacities as per AHRI 340/360 standard @ 26,67/19,4 °C coil inlet and 35 °C ambient temperature.
❷ Capacities @ 26,67/19,4 °C coil inlet and 46°C ambient temperature.
❸ Energy Efficiency Ratio at full load as per AHRI 340/360-2019 standard
❹ Integrated Energy Efficiency Ratio as per AHRI 340/360-2019 standard.
❺ Maximum ESP at nominal airflow rate according to metal filter for high pressure class units.



Control System





BSC Control Features

- Stylish Design, Room Unit with Digital Screen
- Room Unit Key Lock
- Internal Temperature Sensor
- Temperature Set Value Alteration
- Cooling/Off/Heating and Fan Automatic/On Mode Selection
- Filter Usage Counter
- Optional External Fire Alarm
- Optional Pump-Down Control

ADV Control Features

- Stylish Design, Room Unit with LCD Panel Type Screen
- Heating, Cooling, Automatic Mode Options
- Temperature Set Value Alteration
- Weekly Work Programme Configuration
- Alarm State Monitoring and Reset
- Supply Fan, Compressor Maintenance Time Management
- Building Automation System Integration for the Optional Modbus RTU Communication Card
- Optional Smoke Detector and External Fire Alarm Input
- Optional Pump-Down Control
- Optional Room Unit with Internal Temperature Sensor
- Optional Supply Temperature Control
- Optional Dehumidification Control
- Optional Hot-Gas Bypass Control
- Optional Low Ambient Temperature Control
- Optional DX Circuit Low and/or High Pressure Information Visualization
- Optional Filter Clogging Control

ÜNTES®

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