

50TZ (40TZ/BZ-38FZ)

SINGLE-PACKAGE COOLING UNITS



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Physical data

50TZ Packaged unit		024	036	042	048	060	072	084
Nominal cooling capacity*	kW	6.50	9.11	10.50	12.00	14.80	19.10	22.74
Weight	kg	168	193	211	241	267	329	381
Compressor	Hermetic reciprocating compressor							
Refrigerant	R-407C							
Evaporator section (40TZ/BZ)	Copper tubes, pre-treated aluminium fins							
Evaporator fan (40TZ/BZ)	One ... centrifugal							
Nominal air flow	l/s	400	565	670	670	950	1320	1365
Condenser section (38FZ)	Copper tubes, pre-treated aluminium fins							
Condenser fan (38FZ)	One ... centrifugal							
Nominal air flow	l/s	530	800	865	865	1350	1650	1875
Indoor unit		40BZ 024	40BZ 036	40BZ 042	40BZ 048	40BZ 060	40BZ 072	40TZ 084
Outdoor unit		38FZ 024	38FZ 036	38FZ 042	38FZ 048	38FZ 060	38FZ 072	38FZ 084
Nominal cooling capacity*	kW	6.00	8.22	9.00	11.22	13.95	17.38	20.25
Weight (indoor unit)	kg	58	63	71	76	87	116	120
Weight (outdoor unit)	kg	110	130	140	165	180	213	261

* Based on an outdoor air dry bulb temperature of 35°C and an indoor air wet bulb temperature of 19°C.

Electrical data

50TZ (40TZ/BZ + 38FZ)		024	036	042	048	060	072	084
Nominal voltage (±10%)*	V	230	400	230	400	230	400	230
Nominal power input**	kW	2.90	2.90	3.99	3.99	4.68	4.68	5.07
Nominal current drawn**	A	13.33	6.30	12.50	8.74	15.58	11.50	16.98
Starting current	A	86	46	99	60	117	72	134

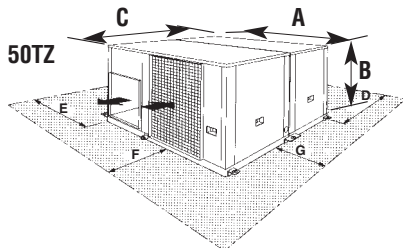
* The unit power supply is three-phase (except size 024, 230 V which is single-phase). The fan power supply is single-phase, except for sizes 072 and 084 which are three-phase.

** Based on an outdoor air dry bulb temperature of 35°C and an indoor air wet bulb temperature of 19°C and dry bulb temperature of 27°C

Operating limits

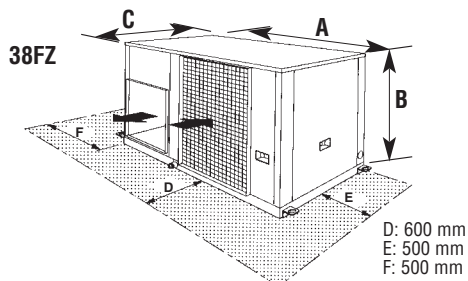
Zone	Air temperature, °C	
	Dry bulb	Wet bulb
Indoor		
Maximum	35	21
Minimum	19	14
Outdoor		
Maximum	46	-
Minimum	19*	-

With optional head pressure control the unit will operate at temperatures below 19°C.



D: 800 mm
E: 500 mm
F: 600 mm
G*: 500 mm

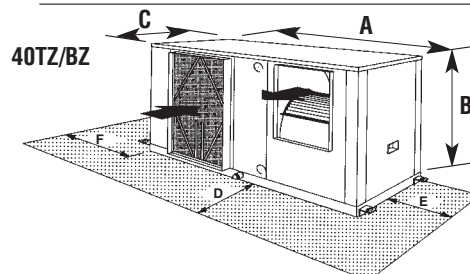
* For size 50TZ 060
G: 600 mm



D: 600 mm
E: 500 mm
F: 500 mm

Dimensions/clearances, mm

50TZ	A	B	C
024	1190	470	1199
036	1250	540	1259
042	1350	540	1359
048	1450	540	1459
060	1500	560	1509
072	1700	630	1709
084	1700	630	1889
38FZ	A	B	C
024	1190	470	714
036	1250	540	764
042	1350	540	814
048	1450	540	914
060	1500	560	964
072	1700	630	1008
084	1700	630	1188
40TZ/BZ	A	B	C
024	1190	470	508
036	1250	540	569
042	1350	540	619
048	1450	540	619
060	1500	560	619
072	1700	630	775
084	1700	630	775



D: 600 mm
E*: 500 mm
F: 500 mm

* For size 40BZ 060
E: 600 mm



FEATURES

- Seven sizes with nominal cooling capacities from 6.5 to 22.7 kW.
- Compact, low-profile, air-cooled cooling units, designed for installation in the void above false ceilings.
- Units consist of the indoor unit 40BZ (40TZ for unit size 084) and the outdoor unit 38FZ.
- Unit cabinet made of prepainted sheet steel. All units include internal thermal and sound insulation.
- Interchangeable unit panels permit alternative supply and return air paths on all models.
- Easily transformed from packaged to split units.
- Quiet, centrifugal fans, statically and dynamically balanced for vibration-free operation.
- Reliable hermetic compressors for R-407C, include overcurrent and overtemperature protection and internal and external vibration isolators.
- Hermetically-sealed leak-tested refrigerant circuit with deoxidized and dehydrated copper tubes.
- Master Link II electronic control.

OPTIONS/ACCESSORIES

- Head pressure control (option/accessory)
- Electric heaters (option/accessory)
- Crankcase heater (option/accessory)
- Hot water coil (option/accessory)
- Flare connections (option)
- Outdoor air filter (option/accessory)