



R32 Inverter High Ambient Cooling Only Split Wall FTKF-TV Series

Preliminary Information

By Hasan Zaidi



Towards a new Era of Smart Comfort!

Superior technology within YOUR reach.

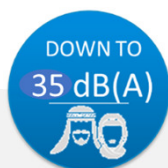


ALL THE YEAR ROUND, SUPER EFFICIENT AND RELIABLE COOLING



FTKF-TV MAIN FEATURES

SUPERIOR TECHNOLOGY WITHIN REACH



INVERTER

R-32

DRIVING OUR
GREEN VISION



1ph, 12/24 kBtu

MP: 12k: Avlbl – 24k:m/Feb/21

1 Year-round excellent cooling performances

- ✓ **UNIQUE DAIKIN SWING INVERTER + R32**
- ✓ **UP TO 4* STARS ESMA RATING!**

2 Built-in AVS: available operating range 160-265V

- ✓ **Operation on Generator is possible**

3 Reinforced Anticorrosion Protection

**For 12k it will be 4 star and for 24K it will be 3 star as per new ESMA*





Main Benefits for the Key Deciders

DEVELOPER / OWNER



- Quick return on investment
- Low energy bills
- High reliability and durability

CONSULTANT / DESIGNER



- Compliance with all Hi-EER regulations and Green building requirements
- Use of greener and low GWP refrigerant for lower CO₂ emissions
- Econo Mode

CONTRACTOR



- Safe and easy installation for piping and wiring, even if outdoor is hung under the window or outside the balcony
- Suitable for temporary offices as it is connectable to generator thanks to built-in AVS

END-USER



- Excellent cooling comfort, with low electricity bill
- Quiet



Powerful and Efficient



R32 + DAIKIN SWING INVERTER

FOR A NEW ERA OF SMART COMFORT !

BLUEevOLUTION

INVERTER

R-32

 DRIVING OUR
GREEN VISION

ALL THE YEAR ROUND, SUPER EFFICIENT AND RELIABLE COOLING

ONLY BY DAIKIN!

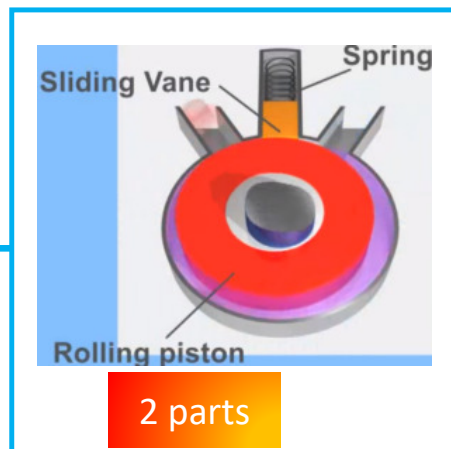




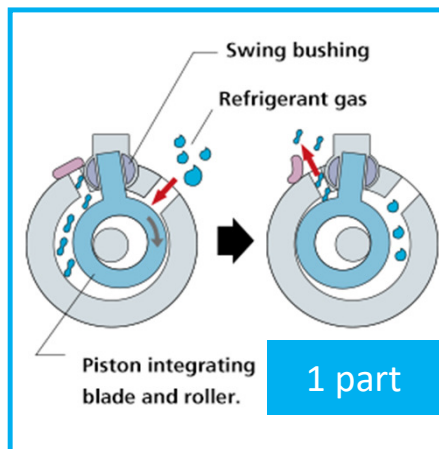
Powerful and Efficient

EXCLUSIVE DAIKIN SWING COMPRESSOR

- 1 Compressor designed and produced by Daikin using unique patented technology.
- 2 Less friction and losses for a greater efficiency with less noise and less wear & tears.



ROTARY
COMPRESSOR

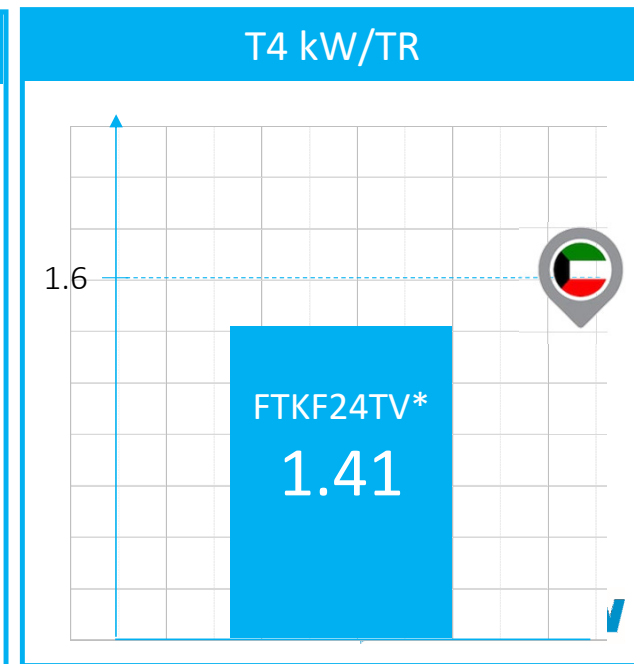
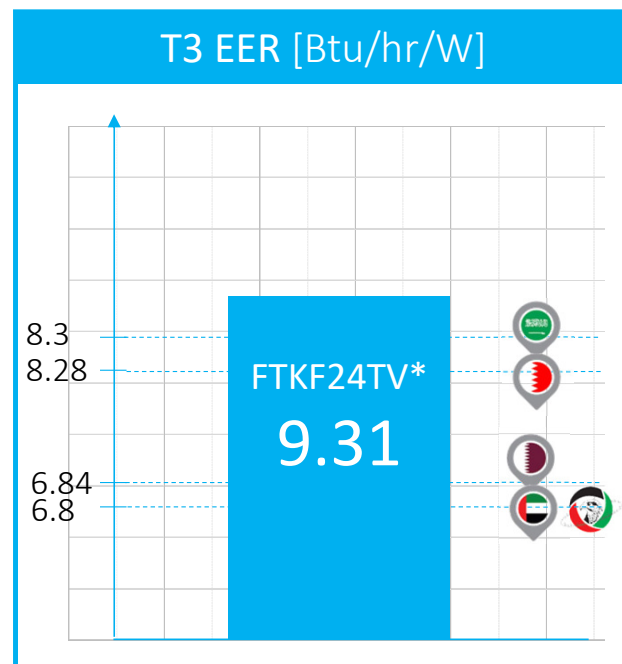
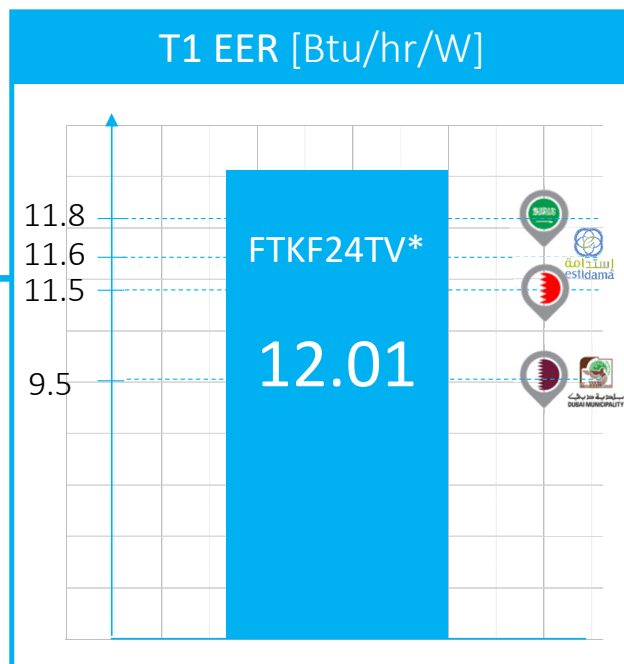


DAIKIN SWING
COMPRESSOR



EFFICIENT COOLING

- 1 Excellent nominal and peak efficiency
- 2 Exceeding most stringent regulations





EFFICIENT COOLING

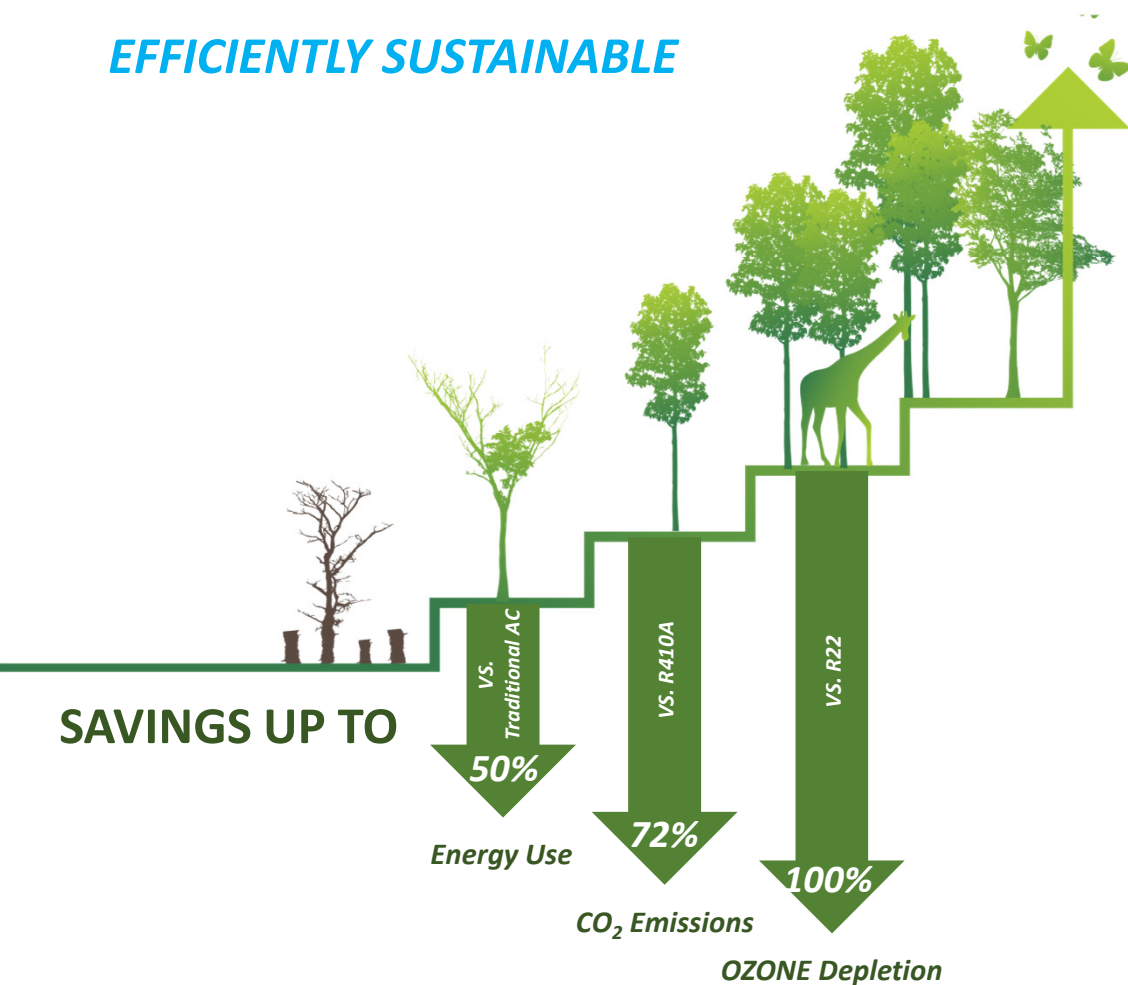
3 Certified performance: capacity and efficiency at 35/46/48 CDB!

CERTIFIED PERFORMANCES



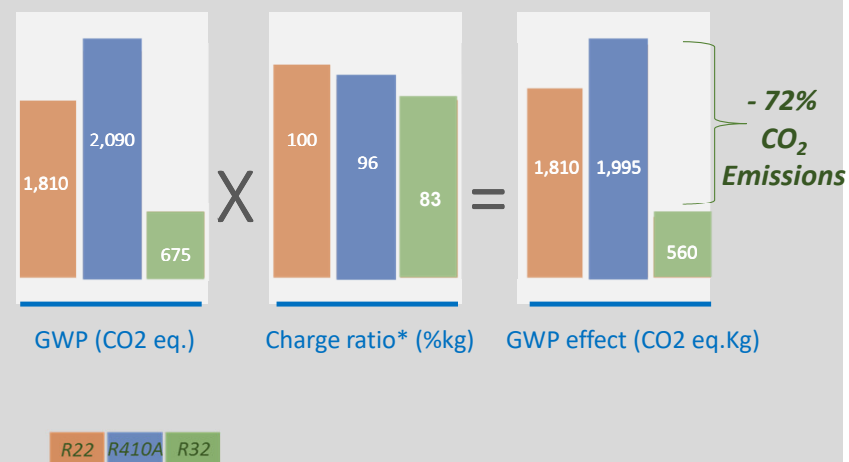
Powerful and Efficient

EFFICIENTLY SUSTAINABLE



Key Environmental Parameters

Parameter	R-22	R410A	R-32
GWP (CO ₂ eq.)	1,810	2,087	675
ODP	0.05	0	0





Reliable and Durable Cooling



RELIABLE COOLING, IN ANY SITUATION!



ONLY BY DAIKIN!

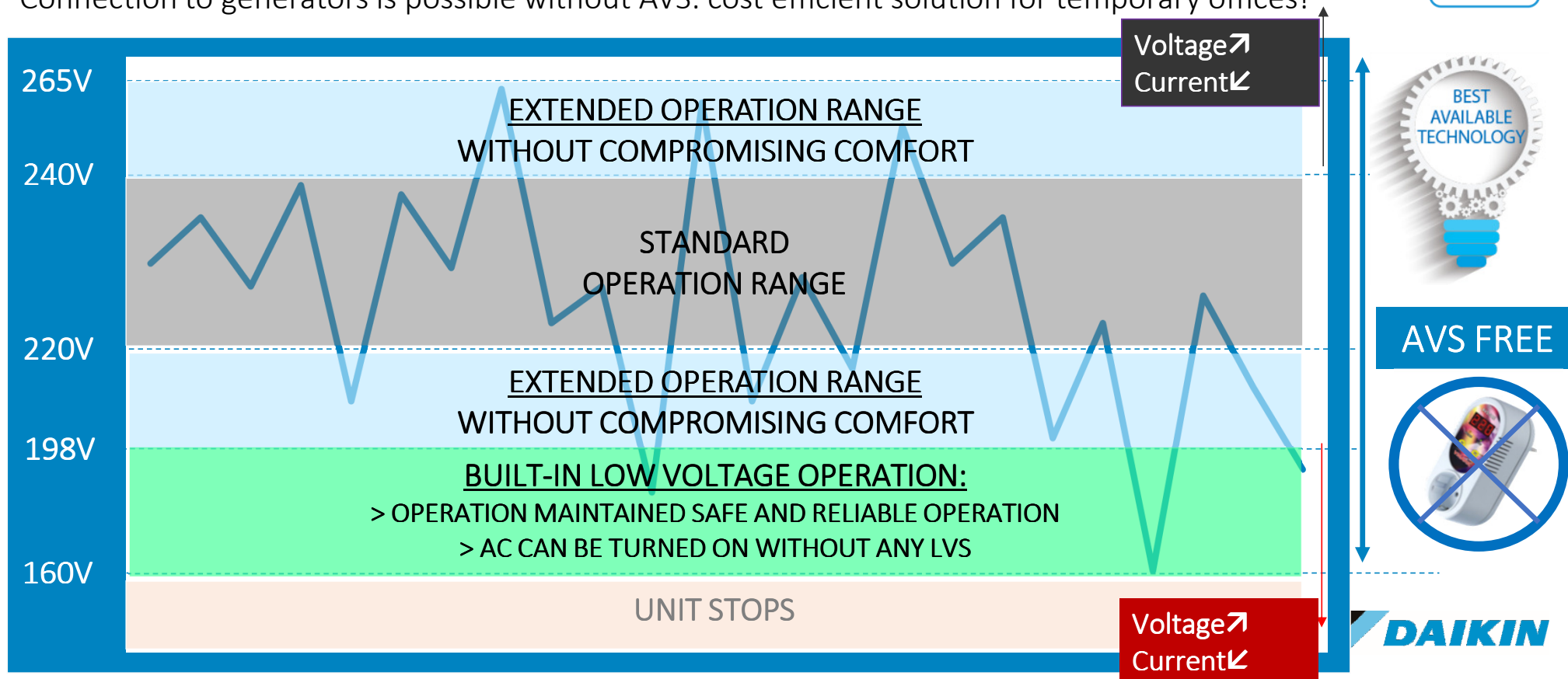




Reliable and durable cooling!

BUILT-IN PROTECTION AGAINST POWER FLUCTUATIONS – 160-265V

Connection to generators is possible without AVS: cost efficient solution for temporary offices!

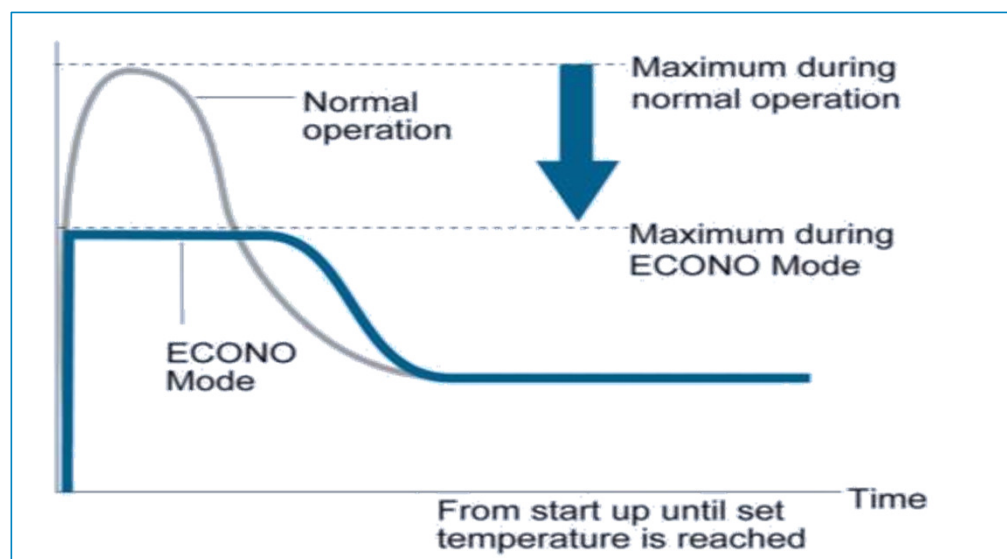




Reliable and durable cooling!

ECONO MODE

Peak consumption control, for more efficient and reliable use.



(*) Activation through Econo Button on remote controller





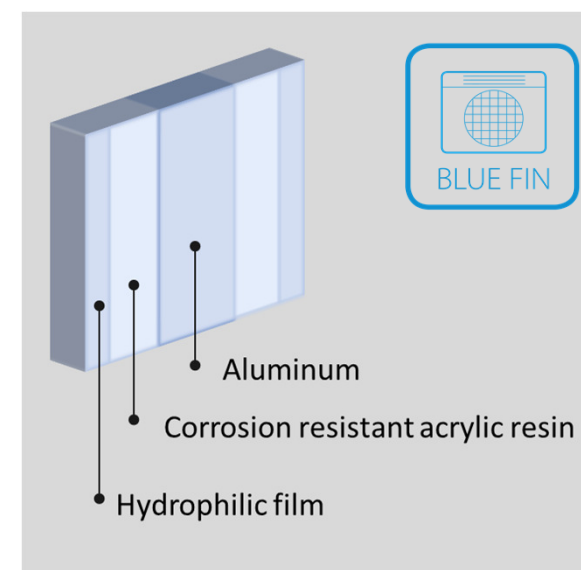
Durable optimal cooling

REINFORCED ANTICORROSION PROTECTION

All the sensitive parts exposed to the environment are protected against corrosion:

- 1 Standard Hydrophilic Blue Fin Coating on condenser coil
- 2 Special anti-corrosion coating on sensors of the electronic board (PCB) for both outdoor and indoor.
- 3 Powder Coating on outdoor bottom frame and stop valve mounting plate.
- 4 Stainless screw used on outdoor cabinet casing

For an increased durability and a longer lifetime with optimal cooling performances!





Other features

OTHER FEATURES (NON EXHAUSTIVE)

COMFORT



SLEEP MODE



WHISPER QUIET



POWER CHILL MODE



COANDA EFFECT

RELIABILITY

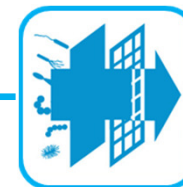


ECONO MODE



AUTO RESTART

INDOOR AIR QUALITY



*AIR FILTER
+
SMELL PROOF OPERATION*





PRELIMINARY SPECIFICATIONS

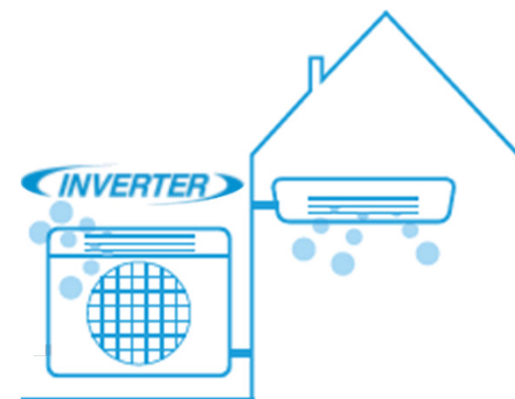
			Old Unit	New Unit	Current Unit	New Unit
Indoor			FTKF12TV1XZK	FTKF12TVMVZK	FTKF18TVMVZK	FTKF24TVMVZK
Outdoor			RKFG12TV1XZK	RKFG12TVMVZK	RKFG18TVMVZK	RKFG24TVMVZK
Cooling Capacity T1(*)	Rated	kW	3.58	3.93	5.28	6.91
		Btu/hr	12,200	13,400	18,000	23,600
	Min- Max	kW	1.6 ~ 5.3	1.75 ~ 5.4	2.5 ~ 6.7	TBC
		Btu/hr	5,470 ~ 18,130	6,000 ~ 18,400	8,550 ~ 22,900	TBC
Cooling Capacity T3(**)	Rated	kW	3.58	3.93	4.45	5.89
		Btu/hr	12,210	13,400	15,200	20,100
Cooling Capacity T4(***)	Rated	kW	2.93	3.54	4.24	5.65
		Btu/hr	10,000	12,100	14,450	19,300
Efficiency	T1(*)	Btu/W	12.06	14.85	12.25	12.01
	T3(**)	Btu/W	8.31	10.00	8.52	9.31
	T4(***)	Btu/W	8.00	9.25	8.50	8.89
ESMA Star Rating		Current	4		4	5
		New	2	4	2	3
Airflow rate	High	m ³ /min	16.2	16.2	16.3	20.4
Sound Pressure	H/M/L/SL	dB[A]	45/42/40/38/35	45/42/40/38/35	47/45/43/40/38	49/47/45/42/39
Dimensions	HxWxD	mm	298 x 885 x 229	298 x 885 x 229	298 x 885 x 229	310 x 1100 x 239
Weight		Kg	11	11	11	13
Sound Pressure	H/M/L/SL	dB[A]	54	54	56	TBC
Dimensions	HxWxD	mm	595 x 845 x 300	595 x 845 x 300	595 x 845 x 300	695 x 930 x 350
Weight		Kg	34	32	39	TBC
Compressor	Type	Hermitically Sealed Swing Inverter Type				
Refrigerant	Type	R-32				
Piping Length	Total	m	20	20	30	30
	Elevation	m	10	10	20	20
	Chargeless	m	10	10	10	10
Operating Range	Cooling	CDB	19.4 ~ 52			
Power Supply		v/ph/Hz	220-240/1/50	220-240/1/50-60	220-240/1/50-60	220-240/1/50-60
Voltage Range		V	160-265	160-265	160-265	160-265

BLUEvolution

R-32

DRIVING OUR
GREEN VISION

	Outdoor	Indoor
T1	35 CDB	27 CDB/19 CWB
T3	46 CDB	29 CDB/19 CWB
T4	48 CDB	26.6 CDB/ 19.4 CWB



DAIKIN



COMPLIANCE OVERVIEW

COUNTRY LIST COMPLIANCE

Model	SASO	ESMA	DUBAI GREEN	ESTIDAMA	QSASO	BAH-SASO	MEW	NEW OMAN MEPS
FTKF12TV1XZ	✗	✓	✓	✓	✓	✓	✓	✓
FTKF12TVMVZ	✓	✓	✓	✓	✓	✓	✓	✓
FTKF18TVMUZ	✓	✓	✓	✓	✓	✓	✓	✓
FTKF24TVMTZ	✓	✓	✓	✓	✓	✓	✓	✓

Registration process in the various countries will start Sep after completion of all 3rd party test reports.



AVAILABLE OPTIONS

Options	FTKF12TVMVZK	FTKF24TVMTZK
	RKFG12TVMVZK	RKFG24TVMTZK
5 rooms centralized controller	KRC72	
Wiring adopter for time clock / remote control	KRP413AB1S + New Optional power adaptor	KRP413AB1S + New Optional power adaptor
Air purifying filter (PM 0.1)	KAF010A503	KAF010A503
Air purifying filter (PM 2.5)	KAF250A502	KAF250A502
Titanium apatite deodorizing air purifying filter	KAF970A45	KAF970A45
Ag-ion Filter	KAF057A41	KAF057A41

THANK YOU

