

PORTABLE AIR CONDITIONERS AND DEHUMIDIFIERS

R 410 A

R 134 A

APPLICATIONS

RESIDENTIAL AND COMMERCIAL



S I N G L E - D U C T

● S P L I T / D I S C O N N E C T A B L E C O N S O L E

● S P L I T / D I S C O N N E C T A B L E

● D E H U M I D I F I E R S

PORTABLE AIR CONDITIONERS

A range elected
by professionals

- 8 models
- Innovative design
- European making carefully produced
- Performance reliability
- R 410 A
- Class A

DEHUMIDIFIERS

- Useful for protecting furniture and property
- 3 sizes
- Small and efficient units
- 100 % easy to handle
- R 134 A

Direct expansion

Portable air-conditioners

Single-duct	MTF	80
Split/Disconnectable	SMDF	82
Split/Disconnectable console	SCDF	84

Dehumidifiers

	DG	86
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SINGLE-DUCT AIR-CONDITIONERS AND DEHUMIDIFIERS

R 410 A



MTF 78 C

COOLING ONLY

- > Aesthetic
- > Simple and easy to use
- > A class

- Air-conditioner or dehumidifier only, usable throughout the year
- A class
- Weekly programmable digital timer
- Electronic thermostat ; Three-speed fan
- In cooling mode: automatic condensate vaporization through the pipe for the elimination of the hot air; this function, operating at each of the 3 fan speeds, avoids stops due to tank filling, particularly annoying during the night

- In dehumidifier mode, predisposition for the continuous discharge of the condensates (on the rear of the air-conditioner)
- Washable air filter
- Electronic protection against over-pressures
- High efficiency rotary compressor
- Easy to move thanks to its comfortable handles and special multidirectional wheels

Models	MTF 78 C	
Code	MTF 78 C5T	
Mode	Cooling	
Cooling capacity (kW) (1) / (2)	HS	2.20 / 2.00
Energy class (1) / (2)	A/A	
Annual energy consumption (kWh) (500 h) (1) / (2)	420/383	
Air-conditioned surface*	m ²	15 à 25
EER	2.62 ⁽¹⁾ / 2.61 ⁽²⁾	
Input power (kW) (1) (2)	0.840 / 0.765	
Dehumidification in 24 hours (liters)	HS/MS/LS	1
Internal air flow (m ³ /h)	240 / 260 / 270	
Electrical power supply (V/Ph/Hz)	230 / 1 / 50	
Refrigerant type	R 410 A	
Start delay timer	(mn)	3
Length of power cable with plug	(m)	2.9
Length of exhaust air hose	(m)	1
Diameter of hose	(mm)	115
Sound power level (dBA)	indoors LS/HS	66/70
Sound pressure level (dBA)	at 2 m indoors HS/MS/LS	48 / 50 / 52
Height x width x depth	(mm)	750 x 450 x 375
Weight	(kg)	30

* The air-conditioned surface is given as indication for a room which ceiling is 2.5 m high and with middle thermal characteristics.

Conditions

Cooling:

(1) T indoor air 35°C (DB)/24°C (WB)

(2) T indoor air 27°C (DB) / 19°C (WB)

Dehumidification:

(3) 27°C (DB) / 21°C (WB) - 60 % r.h.

(4) 30°C (DB) / 27°C (WB) - 80 % r.h.

OPERATING LIMITS

Cooling:

maximum

T indoor air 35°C (DB) / 24°C (WB)

minimum

T indoor air 15°C (DB) / 12°C (WB)

Dehumidification:

maximum

T indoor air 35°C - 80 % r.h.

minimum

T indoor 10°C - 80 % r.h.

SINGLE-DUCT AIR-CONDITIONERS AND DEHUMIDIFIERS

R 410 A



MTF 87 C

MTF 97 C

COOLING ONLY

- > Elegant and quiet
- > Pleasing to the eye
- > Performant
- > infrared remote control
- > A class

- Air-conditioner or dehumidifier only, usable throughout the year
- A class
- Equipped with infrared digital 24 H remote control, night set back and startup of the air-conditioner, dehumidifier, ventilation only, digital temperature adjustment and room temperature control through a special built-in sensor inside the remote control (MTF 97 C)
- Three-speed fan (MTF 97 C)
- Programmable digital timer with which 8 air-conditioning periods can be programmed during the day
- Easy-to-use electronic thermostat (MTF 87 C)
- Adjustable air louver granting a better fresh air diffusion
- In dry mode, up to 42 liters (MTF 87 C) or 51 liters (MTF 97 C) per day are eliminated

- Lateral air intake
- Automatic condensate vaporization through the pipe for the elimination of the hot air; this function, operating at maximum and medium fan speeds, avoids stops due to tank filling, particularly annoying during the night (at low fan speed, condensates are collected in a tank)
- Tank for condensates
- Washable filters
- Auto restart after a power supply black out
- Place to put the electricity flex
- Electronic protection against over-pressures
- High efficiency rotary compressor
- Easy to move thanks to its comfortable handles and special multidirectional wheels

PORTABLE AND DEHUMIDIFIERS

Models		MTF 87 C		MTF 97 C	
Code		MTF 87 C5T		MTF 97 C5T	
Mode		Cooling	Dehumidification	Cooling	Dehumidification
Cooling capacity (kW) (1) / (2)	HS	2.25/2.06	-	2.73/2.57	-
Energy class (1) / (2)		A/A		A/A	
Annual energy consumption (kWh) (500 h) (1) / (2)		400/350		520/462	
Air-conditioned surface*	m ²	15 to 30		20 to 35	
EER		2.81 ⁽¹⁾ /2.94 ⁽²⁾		2.62 ⁽¹⁾ /2.78 ⁽²⁾	
Input power (kW)		0.800 ⁽³⁾ /0.700 ⁽⁴⁾	0.710 ⁽³⁾ /0.770 ⁽⁴⁾	1.040 ⁽³⁾ /1.090 ⁽⁴⁾	0.970 ⁽³⁾ /1.090 ⁽⁴⁾
Dehumidification in 24 hours (liters)	HS/MS/LS	24	23 ⁽³⁾ /42 ⁽⁴⁾	30	27 ⁽³⁾ /51 ⁽⁴⁾
Internal air flow (m ³ /h)		310/-/260	260	310/280/260	260
Electrical power supply (V/Ph/Hz)		230/1/50		230/1/50	
Refrigerant type		R 410 A		R 410 A	
Start delay timer	(mn)	3		3	
Length of power cable with plug	(m)	2.9		2.9	
Length of exhaust air hose	(m)	1		1	
Diameter of hose	(mm)	115		115	
Evacuation of condensates	vaporization	yes		yes	
	tank	yes		yes	
	tank volume (l)	3.3		3.3	
Sound power level (dBA)	indoors LS/HS	59/62		59/62	
Sound pressure level (dBA)	at 2 m indoors LS/HS	41/44		41/44	
Height x width x depth	(mm)	860 x 482 x 376		965 x 530 x 410	
Weight	(kg)	30		34	

* The air-conditioned surface is given as indication for a room which ceiling is 2.5 m high and with middle thermal characteristics.

Conditions

Cooling:

(1) T indoor air 35°C (DB)/24°C (WB)

(2) T indoor air 27°C (DB) / 19°C (WB)

Dehumidification:

(3) 27°C (DB) / 21°C (WB) - 60 % r.h.

(4) 30°C (DB) / 27°C (WB) - 80 % r.h.

OPERATING LIMITS MTF 87 C

Cooling:	
maximum T indoor air	35°C (DB) / 24°C (WB)
minimum T indoor air	15°C (DB) / 12°C (WB)
Dehumidification:	
maximum T indoor air	35°C - 80 % r.h.
minimum T indoor air	10°C - 80 % r.h.

OPERATING LIMITS MTF 97 C

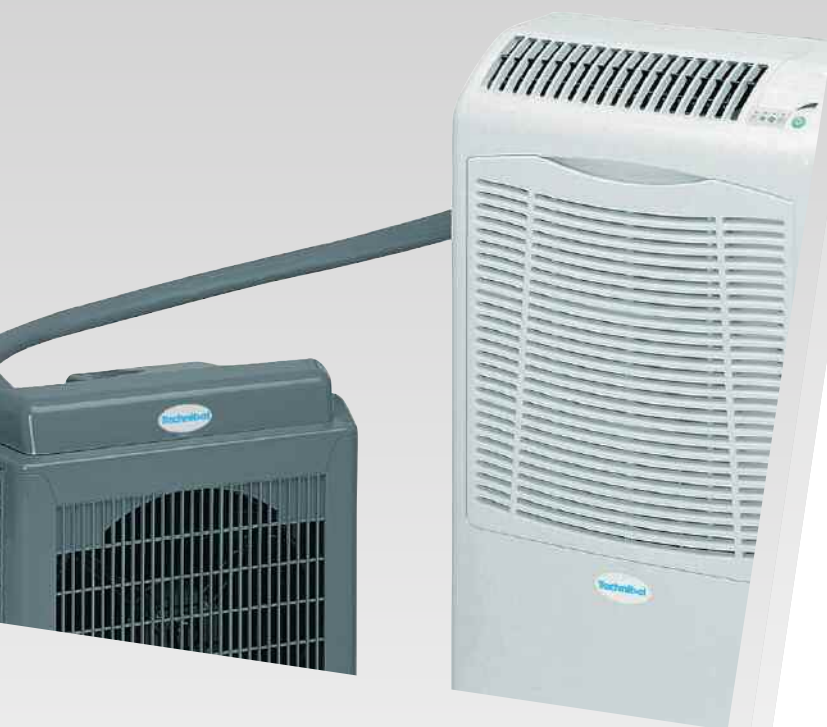
Cooling:	
maximum T indoor air	35°C (DB) / 24°C (WB)
minimum T indoor air	16°C (DB) / 14°C (WB)
Dehumidification:	
maximum T indoor air	35°C - 80 % humidité
minimum T indoor air	16°C - 80 % humidité

SPLIT/DISCONNECTABLE PORTABLE AIR-CONDITIONERS

R 410 A

SMDF

COOLING ONLY



- > Silence
- > 2 models with infrared remote control
- > Pleasing to the eye and Performant
- > A class



timer digital (SMDF 95 C)

- Split portable air-conditioner, with a small condensing case, specifically dedicated to be placed on balcony or window
- A class
- Equipped with infrared digital 24 H remote control, night set back and startup of the air-conditioner, dehumidifier, ventilation only, digital temperature adjustment and room temperature control through a special built-in sensor inside the remote control (models SMDF 117 C and 147 C)
- Programmable digital timer with which 8 air-conditioning periods can be programmed during the day (SMDF 95 C) with Easy-to-use electronic thermostat
- Three-speed fan (SMDF 117 C and 147 C) or Two-speed fan (SMDF 95 C)

- Frontal air intake
- Aeroquip disconnectable refrigerant lines
- Adjustable air louver granting a better fresh air diffusion
- Automatic condensate vaporization
- Washable filters
- Equipped with a condensate drain pump
- Auto restart after a power supply black out
- High efficiency rotary compressor
- Easy to move thanks to its comfortable handles and special multidirectional wheels

ACCESSORIES

Type		Models	Code
Extension for refrigerant	2 m	SMDF 95 / 117 / 147 C	K 70 A 071 Z
and electrical connections	4 m	SMDF 95 / 117 / 147 C	K 70 A 072 Z



Models		SMDF 95 C	SMDF 117 C	SMDF 147 C
Code		SMDF 95 C 5 T	SMDF 117 C 5 T	SMDF 147 C 5 T
Cooling capacity (kW)	HS	2.65	2.91	4.01
Energy class		A	A	A
Annual energy consumption (500 h)		410	445	625
Air-conditioned surface*	m ²	15 to 30	20 to 35	25 to 50
EER		3.23	3.26	3.21
Input power	(kW)	0.820	0.890	1.250
Dehumidification in 24 hours (liters)		19.2	24	38.4
Internal air flow (m ³ /h)	HS	420	420	460
	LS	300	300	350
Electrical power supply (V/Ph/Hz)		230/1/50	230/1/50	230/1/50
Refrigerant type		R 410 A	R 410 A	R 410 A
Start delay timer (min)		3	3	3
Length of power cable with plug (m)		2.5	2.5	2.5
Length of connections between units (m)		2	2	2
Max. height difference between units (m)		1.2	1.2	1.2
- outdoor unit highest (maximum length of vertical piping)				
Max. height difference between units (m)		5.2	5.2	5.2
- outdoor unit lowest				
Condensate drain pump		yes	yes	yes
Evacuation of condensates	vaporization	yes	yes	yes
	condenser	52 / - / 55	51 / 53 / 55	57 / 57 / 58
Sound power level (dBA)	indoors LS/MS/HS	65	65	62
	condenser	34 / - / 37	33 / 35 / 37	39 / 39 / 40
Sound pressure level (dBA)	at 2 m indoors LS/MS/HS	45	45	42
	4 m from condenser			
Indoor unit :				
Height x width x depth	(mm)	800 x 470 x 310	800 x 470 x 310	800 x 470 x 310
Weight	(kg)	39	40	41
Outdoor unit :				
Height x width x depth	(mm)	435 x 440 x 230	435 x 440 x 230	490 x 525 x 250
Weight	(kg)	8.5	9.5	13

* The air-conditioned surface is given as indication for a room which ceiling is 2.5 m high and with middle thermal characteristics.

Conditions

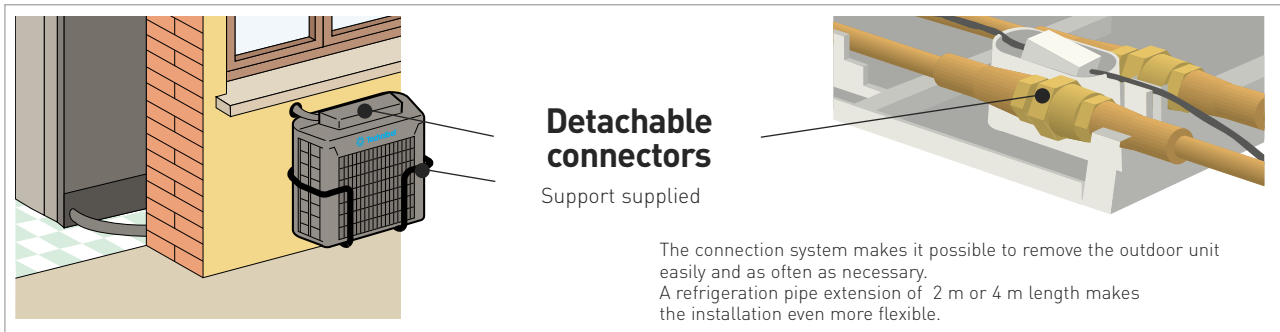
T indoor air 27°C (DB) / 13°C (WB)

T outdoor air 32°C (DB)

OPERATING LIMITS

maximum T air indoor air 32°C (DB) / 23°C (WB)	minimum T indoor air 15°C (DB) / 12°C (WB)
T outdoor air 46°C (DB)	T outdoor air 15°C (DB)

SIMPLIFIED INSTALLATION - INSTANT FITTING



Detachable connectors

Support supplied

The connection system makes it possible to remove the outdoor unit easily and as often as necessary. A refrigeration pipe extension of 2 m or 4 m length makes the installation even more flexible.

DISCONNECTABLE CONSOLE SPLIT UNITS

R 410 A



SCDF-C

COOLING ONLY

SCDF-R

COOLING AND HEATING

- > Elegant and quiet
- > Easy installation
- > Performant
- > A class
- > COP 3.67



with SCDF 137 C



with SCDF 105 R

- Floor mobile straight cooling and heat pump air-conditioner
- Realized in only 24 cm of depth, suitable for fixed or moveable floor installations
- Small condensing case, specifically dedicated to be placed on balcony or window
- Infrared remote control with digital 24h timer, night set back, start-up of air-conditioning or dehumidifying or ventilation only modes, temperature digital adjustment and room temperature control by a special sensor inside the remote control "Automatic I Feel" feature
- Dry function for dehumidification without cooling
- Three-speed fan by remote control

- Frontal air-intake, making possible its placement even between two walls
- Automatic condensate vaporization through the case
- Equipped with a condensate drain pump
- AeroQuip quick connectors to easily disconnect and re-connect the outdoor unit for a fixed installation
- Adjustable air louver, granting the best fresh air diffusion
- Washable filters
- Auto restart after a power supply black out
- High efficiency rotary compressor

ACCESSORIES

Type		Models	Code
Extension for refrigerant and electrical connections	2 m	SCDF 137 C	K 70 A 071 Z
	2 m	SCDF 105 R	K 70 A 073 Z
	4 m	SCDF 137 C	K 70 A 072 Z
	4 m	SCDF 105 R	K 70 A 074 Z



outdoor unit and indoor unit

Models	COOLING ONLY		COOLING AND HEATING	
	SCDF 137 C		SCDF 105 R	
Code	SCDF 137 C 5 T		SCDF 105 R 5 T	
Cooling capacity (kW)	HS	4.00	2.98	
Energy class in cooling mode/in heating mode		A	A / A	
Annual energy consumption in cooling mode (500h)		623	463	
Air-conditioned surface*	m ²	25 to 50	20 to 35	
Input power in cooling mode (kW)	HS	1.245	0.925	
Heating capacity (kW)	HS	-	3.34	
Input power in heating mode (kW)	HS	-	0.910	
EER / COP		3.21 / -	3.22 / 3.67	
Dehumidification (l/h)		1.9	1.2	
Internal air flow (m ³ /h)	HS	335 / 375 / 400	370 (GV)	
Electrical power supply (V/ph/Hz)		230/1/50	230/1/50	
Refrigerant type		R 410 A	R 410 A	
Running current (A)		5.6	4.2	
Length of power cable with plug (m)		3	3	
Length of connections between units (useful lengths)				
- standard (m)		2	2	
- maximum (m)		6	6	
Max. height difference between units (m)				
- outdoor unit highest (maximum length of vertical piping)		1.2	1.2	
- outdoor unit lowest		5.2	5.2	
Sound power level (dBA)	indoors LS/MS/HS	52 / 54 / 55	47 / 49 / 53	
	condenser	62	59	
Sound pressure level (dBA)	at 2 indoors LS/MS/HS	34 / 36 / 37	29 / 31 / 35	
	4 m from condenser	42	39	
Indoor unit :				
Height x width x depth	(mm)	790 x 580 x 245	790 x 580 x 245	
Weight	(kg)	44	44	
Outdoor unit :				
Height x width x depth	(mm)	490 x 525 x 250	490 x 525 x 250	
Weight	(kg)	15	15	

* The air-conditioned surface is given as indication for a room which ceiling is 2.5 m high and with middle thermal characteristics.

Nominal Conditions

COOLING		HEATING	
indoor	Temperature 27°C (DB) / 19°C (WB)	indoor	Temperature 20°C (DB)
outdoor	Temperature 35°C (DB) / 24°C (WB)	outdoor	Temperature 7°C (DB) / 6°C (WB)

OPERATING LIMITS

COOLING		HEATING	
maximum T indoor air	32°C (DB) / 23°C (WB)	maximum T indoor air	27°C (DB)
T outdoor air	46°C (DB)	T outdoor air	24°C (DB) / 18°C (WB)
minimum T indoor air	19°C (DB) / 14°C (WB)	minimum T outdoor air	- 8°C (DB) / - 9°C (WB)
T outdoor air	19°C (DB)		

SIMPLIFIED INSTALLATION - INSTANT FITTING

Detachable connectors

Support supplied

The connection system makes it possible to remove the outdoor unit easily and as often as necessary. A refrigeration pipe extension of 2 m or 4 m length makes the installation even more flexible.

DG

- > Small
- > Beautiful
- > Efficient
- > Economical

DG dehumidifiers with from 12 to 20 l/day dehumidification capacity, useful for protecting furniture and property in the following situations:

- rooms with discontinue occupation (second homes for instance)
- city centre projects (little or poorly ventilated)
- storage rooms where the hygrometry needs to be controlled
- all places where there is a risk of flooding; essential after flooding
- conventionally constructed buildings for better drying of plasterwork
- to bring added comfort to underfloor heating/cooling installations.

- 3 dehumidifiers very efficient and really economical due to the low electric consumption
- Dehumidifiers could be put everywhere thanks to the air intake at the back and thanks to the vertical airflow
- washable filters
- Relative humidity rate can be adjust by hygostat
- Direct visualization in front of the unit to check the water level of the condensates
- Predisposition for the continuous discharge of the condensates (on the rear)
- Defrost mode in low ambient temperature

- 3 indicators on the dehumidifier front panel permit to continuously control the defrosting cycle, the tank filling and the operation of the unit
- When the tank is full, a system stops the operation of the dehumidifier
- Condensate tank easy to extract
- Large wheels and ergonomic handles to make the moving easy
- Antifreeze mode
- Ecological refrigerant R 134 A
- Rotary compressor



Models		DG 12 C	DG 16 C	DG 20 C
Code		DG 12 C 5 T	DG 16 C 5 T	DG 20 C 5 T
Dehumidification (30°C/80% HR)	l/j	12	16	20
Air flow	m ³ /h	150	180	240
Reference temperature	°C	30	30	30
Reference of relative humidity	%	80	80	80
Tank capacity	litre	3.5	3.5	3.5
Refrigerant type		R 134 A	R 134 A	R 134 A
Operating limits	°C	from 5 to 32	from 5 to 32	from 5 to 32
Electrical power supply	V/ph/Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Input power	W	280	350	380
Running current	A	1.4	1.8	2
Sound pressure (at 1m)	dB(A)	43	45	47
Net dimensions				
Height x width x depth	mm	632 x 405 x 291	632 x 405 x 291	632 x 405 x 291
Weight	(kg)	16	16	16.5