



AIR CONDITIONING RANGE



AT THE HEART OF TECHNOLOGY

There are numerous reasons to choose a **texa industries** cooling system

Listening to our customers, in addition to our extensive experience in the industrial sector, has allowed us to create a complete range of air conditioning systems suitable for all types of indoor and outdoor applications. Our strong product engineering has allowed us to standardise and include many previously optional extras as standard equipment throughout the range.

OUTDOOR APPLICATIONS

A range of specific air conditioning units for outdoor applications, the cataphoresis treatment of the condensing coil and the IP54-rated protection of all electrical components make this product reliable in all atmospheric conditions.

EASE OF INSTALLATION FILTER

The simple and ergonomic design of our air conditioning units allows installation and filter maintenance through a simple side housing, without the need to remove mechanical components.

DIE-CUT SEALS

The die-cut seal supplied as standard provides an easy and precise coupling between the air conditioner and the cabinet, also providing an IP55 rating inside the cabinet, one of the highest available on the market.



FLEXIBLE INSTALLATION

Unique in their field, designed specifically to meet standardisation requirements, a single drilling template, five cooling power ratings available and freedom of cabinet installation – external, semi-recessed or recessed installation – without the use of additional accessories.

REDUCED MAINTENANCE COSTS

All our air conditioning units feature a hydrophilic treatment on the condensing coil. This particular production process guarantees a longer life for the product and doubled effectiveness against fouling by dust or oil in suspension, significantly reducing scheduled maintenance requirements.

THERMOSTAT WITH DIGITAL DISPLAY

Powerful, reliable and standard on all ranges (with the exception of the Outdoor range), it provides an easy-to-read view of the set temperature, and allows multiple safety alarms to be managed. It also allows Master-Slave operation of two air conditioning units in the same cabinet simply by setting a parameter.

ANTI-CONDENSATION EVAPORATION SYSTEM

Standard on all vertical air conditioning units above 600W, this dissipation system saves energy as it draws no power, eliminating condensate without the need to channel it externally.

CONDENSATE DRAIN

Safety first! All air conditioners are equipped with an external condensate drain, ensuring the safety of the systems in any and all situations.



ITEM CODE FORMATION

POSITION	1-3	4-5	6	7	8	9	10-14
AIR CONDITIONER CODING	EGO	10	B	T	1	B	00000

1	2	3	Machine type
S	K	Y	Door- or wall-mount air conditioners
F	L	Y	Door- or wall-mount air conditioners
E	G	O	Door- or wall-mount air conditioners
D	E	K	Roof-mount air conditioners
E	M	O	Wall-mount air conditioners for outdoor applications
B	L	U	Air-water heat exchangers for door or wall installation
B	I	T	Air-water heat exchangers for roof installation
M	I	X	Air-air heat exchangers
F	A	N	Ventilation units with filter
F	I	L	Grilles with filter
D	L	K	Roof-mount fans
D	L	R	Roof-mount natural ventilation units
W	I	D	Anti-condensation heaters

POSITION 1-3 Product Name

4	5	Unit Size
-	-	

POSITION 4-5

6	Standard voltage	
	Nominal voltage	Voltage range
B	230 V 1~ 50-60 Hz	[210-250 V 1~ 50-60 Hz]
C	115 V 1~ 50-60 Hz	[105-125 V 1~ 50-60 Hz]
G	400/440 V 2~ 50-60 Hz	[380-420 V 50-60 Hz/420-460 V 50-60 Hz]
H	400 V 3~ 50 Hz/460 V 3~ 60 Hz	[380-420 V 3~ 50 Hz/440-480 V 3~ 60 Hz]
K	400/460 V 2~ 50-60 Hz	[380-420 V 50-60 Hz/440-480 V 50-60 Hz]
L	400 V 3~ 50-60 Hz	[380-420 V 3~ 50 Hz/400-440 V 3~ 60 Hz]
M	400 V 3~ 50 Hz	[380-420 V 3~ 50 Hz]
N	460 V 3~ 60 Hz	[440-480 V 3~ 60 Hz]
U	24 V DC	[20-28 V DC]
V	48 V DC	[40-56 V DC]
X	Special voltage or lack of power supply	
Z	110-250 V AC/DC	

POSITION 6

7	Control and regulation
M	Electromechanical thermostat (SKY-FLY-EGO-DEK-EMO)
T	Electronic thermostat (SKY-FLY-EGO-DEK)
X	No regulation device (SKY-FLY-EGO-DEK-MIX-DLK-DLR-BLU-BIT)
V	Model fitted with thermostat and solenoid valve (BLU-BIT)
L	Model fitted with level switch and solenoid valve (BLU-BIT)
F	Model fitted with thermostat, level switch and solenoid valve (BLU-BIT)

POSITION 7 SKY-FLY-EGO-DEK-EMO-MIX-DLK-DLR-BLU-BIT models

7	Ventilation and filtration
H	High-filtration filter + reversible cabinet ext. - int. flow fan (FAN)
N	Standard filter + reversible cabinet ext. - int. flow fan (FAN)
L	With fan (WID)
X	No ventilation device (WID)

POSITION 7 FAN-FIL-WID models

8	Certification, filtration and installation	
0	CE	Flexible installation (SKY-FLY-EGO-MIX)
1	CE	External installation (EGO-EMO)
F	CE	Flexible installation + PU filter (SKY-FLY-EGO)
E	CE	External installation + PU filter (EGO-EMO)
M	CE	Flexible installation + metal filter (SKY-FLY-EGO)
N	CE	External installation + metal filter (EGO-EMO)
U	UL US	Flexible installation (FLY-EGO)
V	UL US	External installation (EGO)
K	UL US	Flexible installation + PU filter (FLY-EGO)
J	UL US	External installation + PU filter (EGO)
W	UL US	Flexible installation + metal filter (FLY-EGO)
Y	UL US	External installation + metal filter (EGO)

POSITION 8 SKY-FLY-EGO-EMO-MIX models

8	Certification, filtration and installation	
0	CE	External installation (DEK-BIT-BLU)
F	CE	External installation + PU filter (DEK)
M	CE	External installation + metal filter (DEK)
U	UL US	External installation (DEK-BLU)
K	UL US	External installation + PU filter (DEK)
W	UL US	External installation + metal filter (DEK)

POSITION 8 DEK-BIT-BLU models

8	Certification	
0	CE	
U	UL US	

POSITION 8 FAN-FIL-DLK-DLR-WID models

9	Colour
A	RAL 7032 embossed effect
B	RAL 7035 embossed effect
D	RAL 6011 embossed effect
F	RAL 7032 gloss
L	RAL 6011 gloss
Q	RAL 7035 gloss
9	Stainless steel

POSITION 9

9	Size and regulation
X	Standard size without thermostat
C	Compact size without thermostat
T	Standard size with thermostat
P	Standard size with protected surfaces

POSITION 9 WID models

POSITION 10-14 Progressive numbering only for special versions

SKY

Door- or wall-mount air conditioners

Maximum flexibility of installation combined with excellent aesthetic integration makes SKY the **texa industries** solution which meets the needs of even the most demanding users.



SKY

Door- or wall-mount air conditioners

POWER OUTPUTS

The available power outputs range from 1050 to 2050 W.

FLEXIBILITY OF INSTALLATION

The units can be installed outside the cabinet (external) or integrated (recessed or semi recessed), without the need for additional installation accessories. This feature, made possible by the modular structure of the units, leaves users free to choose the installation type without any restrictions.

ATTRACTIVE APPEARANCE

The grille is made of extremely tough, self-extinguishing impact-resistant ABS, which meets UL94 V0 requirements. The attractive design of the grille provides a positive aesthetic impact which supplements and improves the look of the cabinet.

ELECTRONIC THERMOSTAT

All **texa industries** air conditioning systems are equipped with electronic thermostat as standard.

QUICK INSTALLATION

Installation is very quick by simply drilling the cabinet panel and fastening systems which are included in the air conditioner package. This features provisions for the electrical connections to be made quickly and safely using fast connectors inserted in the rear of the unit.

IDEAL COOLING FOR THE UNIT

The air inside the cabinet is taken in from the upper part of the cabinet, cooled inside the air conditioner and directed back into the cabinet with a high-speed flow directed towards the bottom. This ensures both optimum cooling of the entire cabinet and the prevention of hot points in the electronic components.

REDUCED MAINTENANCE

All units are equipped with heat exchange surfaces designed to prevent clogging by solid contaminants present in the ambient air. They maintain high levels of efficiency even in demanding environmental conditions, drastically reducing maintenance requirements and thus allowing the air conditioner to operate without an external air filter.

OPTIMISED PROTECTION OF THE CABINET

Thanks to the special internal configuration, which separates the external and internal air flows in a sealed manner, and the self-adhesive coupling gasket, SKY air conditioners allow the cabinet to retain an IP54 rating.

ENVIRONMENTAL PROTECTION

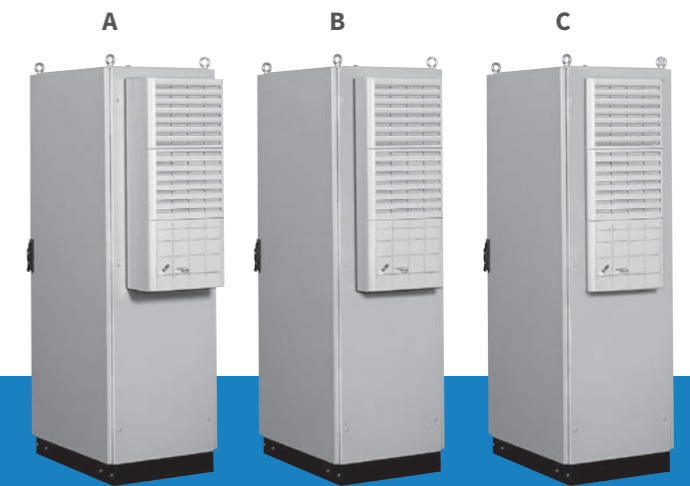
Reduction of noise levels is a precise criterion aimed for when developing SKY air conditioners. They have been designed to minimise disturbance from noise and thus help provide quiet working environments. To help protect the environment, all our air conditioners use R134a CFC-free refrigerant, which does not damage the ozone layer.

SUPPLY VOLTAGE

SKY air conditioners are available for the most common AC voltages: 230V single phase, 400-440V two phase (for concatenated voltage power supply when neutral is not present), 115V single phase, 400V three phase, all in 50-60 Hz dual frequency. On request, versions for voltages not present in the catalogue can be produced for orders of sufficient quantities.

PAINT/COATING

The standard colour is RAL 7035 textured. The coating is epoxy powder coating. Non-standard colours and stainless-steel versions are available on request.



Three installation options:

A External - **B** Semi-recessed - **C** Internal



Application tips

- When choosing an air conditioner, keep a margin of safety of at least 10% for the power output, taking the most demanding conditions of operation into account.
- Seal the cabinet well. Any cracks or other openings would significantly reduce the efficiency of the air conditioner and produce excessive amounts of condensate.
- The air conditioner may be installed on the door or the wall, but always in the highest possible position in order to ensure that air is taken in from the top part of the cabinet, where there is a high temperature area.
- The air conditioner is factory set to 35°C, the optimum temperature for most applications. Unless strictly necessary, avoiding lowering this temperature because it would reduce the efficiency of the air conditioner and cause excessive condensate production.
- Try to facilitate the air flow inside the electrical cabinet when designing the layout of the components. Avoid blocking the air inlet or outlet with components installed too close together. Any components with internal ventilation of their own must have their air flow arranged so as to not impede the air flow of the air conditioner.
- Disable the air conditioner if the cabinet doors are opened to prevent excessive condensate production. Install a limit switch on the door for this purpose.
- The air conditioner power supply line must be protected with a time delay fuse or circuit breaker of suitable size on the basis of the unit's technical data.

SKY10

Door- or wall-mount air conditioners

COOLING CAPACITY

1050 W

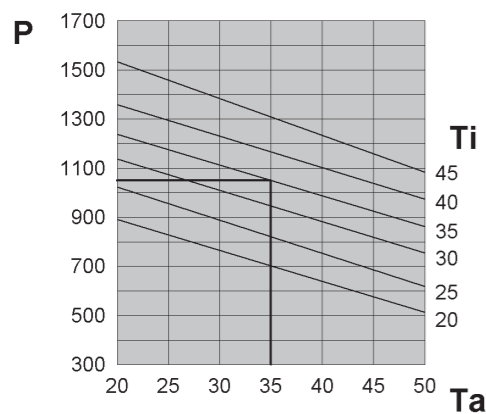


Features	UoM	SKY10BT0B	SKY10CT0B	SKY10GT0B
Cooling capacity EN14511 - A35A35	W	1050	1050	1050
Cooling capacity EN14511 - A35A50	W	860	860	860
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400/440 2~ 50-60
Width	mm	400	400	400
Height	mm	950	950	950
Depth	mm	233	233	233
Max current	A	3.1	6.3	1.9
Inrush current	A	10.5	23	8
T Fuse	A	6	10	4
Power draw EN14511 - A35A35	W	570	590	590
Power draw EN14511 -A35A50	W	650	670	670
Operating cycle	-	100%	100%	100%
Electrical connection	-	4-pin plug	4-pin plug	4-pin plug
R134a Refrigerant	kg	0.3	0.3	0.3
Max refrigeration circuit pressure	bar	25	25	25
External air fan capacity	m ³ /h	860	860	860
Cabinet air fan capacity	m ³ /h	570	570	570
Internal temperature range	°C	20-46	20-46	20-46
Temperature regulation	-	Electronic thermostat, factory set to 35°C		
External temperature range	°C	20-55*	20-50	20-50
EN60529 ingress protection - cabinet side	-	IP54	IP54	IP54
EN60529 ingress protection - ambient side	-	IP34	IP34	IP34
Noise level	dB (A)	65	65	65
Weight	kg	37	39	39
Colour	-	RAL 7035 embossed effect		
Conformity	-	CE	CE	CE

Accessories	
Pack of 5 fabric air filters	C15000181
Pack of 1 metal air filter	C15000182
External stainless-steel framework	
Coating in non-standard colour	

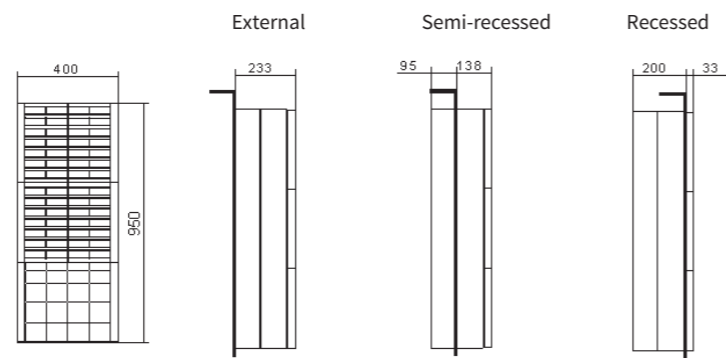
* 50 °C at 60 Hz

Performance



■ P = Cooling capacity (W)
 ■ Ta = Ambient Temperature (°C)
 ■ Ti = Internal cabinet temperature (°C)

Dimensions



SKY15

Door- or wall-mount air conditioners

COOLING CAPACITY

1550 W

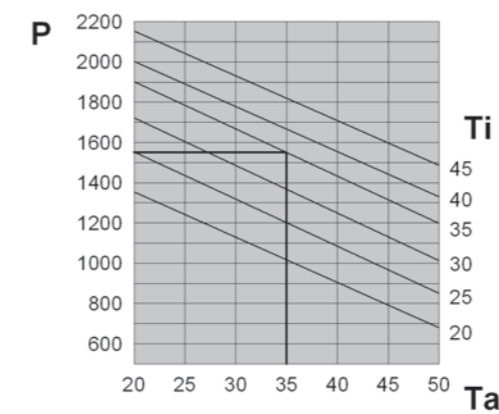


Features	UoM	SKY15BT0B	SKY15CT0B	SKY15GT0B
Cooling capacity EN14511 - A35A35	W	1550	1550	1550
Cooling capacity EN14511 - A35A50	W	1200	1200	1200
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400/440 2~ 50-60
Width	mm	400	400	400
Height	mm	950	950	950
Depth	mm	233	233	233
Max current	A	5.3	12.9	2.9
Inrush current	A	18	39	11
T Fuse	A	10	20	6
Power draw EN14511 - A35A35	W	880	900	900
Power draw EN14511 -A35A50	W	980	1000	1000
Operating cycle	-	100%	100%	100%
Electrical connection	-	4-pin plug	4-pin plug	4-pin plug
R134a Refrigerant	kg	0.44	0.44	0.44
Max refrigeration circuit pressure	bar	25	25	25
External air fan capacity	m ³ /h	1050	1050	1050
Cabinet air fan capacity	m ³ /h	570	570	570
Internal temperature range	°C	20-46	20-46	20-46
Temperature regulation	-	Electronic thermostat, factory set to 35°C		
External temperature range	°C	20-55*	20-50	20-50
EN60529 ingress protection - cabinet side	-	IP54	IP54	IP54
EN60529 ingress protection - ambient side	-	IP34	IP34	IP34
Noise level	dB (A)	65	65	65
Weight	kg	38	40	40
Colour	-	RAL 7035 embossed effect		
Conformity	-	CE	CE	CE

Accessories	
Pack of 5 fabric air filters	C15000181
Pack of 1 metal air filter	C15000182
External stainless-steel framework	
Coating in non-standard colour	

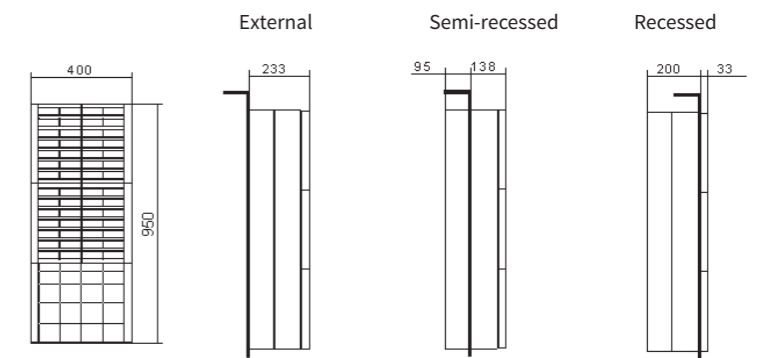
* 50 °C at 60 Hz

Performance



■ P = Cooling capacity (W)
 ■ Ta = Ambient Temperature (°C)
 ■ Ti = Internal cabinet temperature (°C)

Dimensions



SKY20

Door- or wall-mount air conditioners

COOLING CAPACITY

2050 W

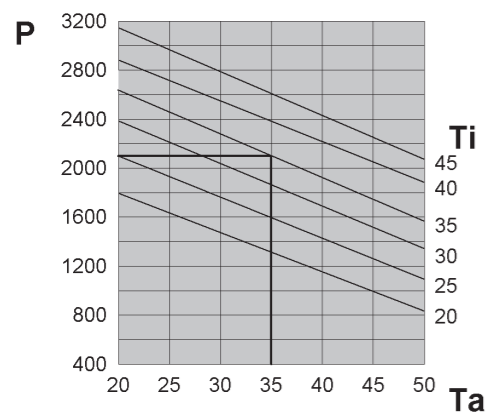


Features	UoM	SKY20BT0B	SKY20CT0B	SKY20LT0B
Cooling capacity EN14511 - A35A35	W	2050	2050	2050
Cooling capacity EN14511 - A35A50	W	1560	1560	1560
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400 3~ 50-60
Width	mm	400	400	400
Height	mm	1265	1265	1265
Depth	mm	236	236	236
Max current	A	6.5	13.3	2.5
Inrush current	A	24	48	10
T Fuse	A	10	20	6
Power draw EN14511 - A35A35	W	1080	1110	970
Power draw EN14511 -A35A50	W	1290	1310	1150
Operating cycle	-	100%	100%	100%
Electrical connection	-	4-pin plug	4-pin plug	4-pin plug
R134a Refrigerant	kg	0.60	0.60	0.75
Max refrigeration circuit pressure	bar	25	25	25
External air fan capacity	m ³ /h	1050	1050	1050
Cabinet air fan capacity	m ³ /h	860	860	860
Internal temperature range	°C	20-46	20-46	20-46
Temperature regulation	-	Electronic thermostat, factory set to 35°C		
External temperature range	°C	20-55*	20-50	20-50
EN60529 ingress protection - cabinet side	-	IP54	IP54	IP54
EN60529 ingress protection - ambient side	-	IP34	IP34	IP34
Noise level	dB (A)	65	65	65
Weight	kg	60	67	62
Colour	-	RAL 7035 embossed effect		
Conformity	-	CE	CE	CE

Accessories	
Pack of 5 fabric air filters	C15000181
Pack of 1 metal air filter	C15000182
External stainless-steel framework	
Coating in non-standard colour	

* 50 °C at 60 Hz

Performance



■ P = Cooling capacity (W)
 ■ Ta = Ambient Temperature (°C)
 ■ Ti = Internal cabinet temperature (°C)

Dimensions

