Centrifugal Fan Split Systems

FA Cooling only Range

FA



The unit is installed inside the building. The outside air is led to the unit through ducts to evacuate the calories.

Direct Expansion

Indoor Units

+ **MI**



+ **CI**



+ **KI**



+ **GI**





Applications

- City centers (offices, shops, classified buildings, services, etc.).
- Industry.

Product benefits

- No outdoor unit (only 2 grids).
- High static pressure allowing long distance ducting.
- No need to be against an exterior wall.
- Interchangeable air inlet and outlet positions (cf. p.17).
- ON/OFF: easy to maintain.
- Easy access for maintenance through removable panels.

Build your PART NUMBER (P/N)

A	Q	H	1	0	3	B	A

MODEL CODE 6 characters | OPTIONS Pack 2 characters

Don't forget to order the accessories you may need !

Refrigerant connections

- Max length: 20 m
- Max height difference: 5 m
- Preloaded for 4 m of refrigerant lines

The power ratings indicated in the tables are "total power" and are delivered for an indoor air (indoor unit inflow) of +27°C / 50% RH (cooling mode). Notice: the power available to cool down the inside air (''sensible power'') equals the ''total power'' minus the power absorbed by the condensation of air moisture (condensate).

R410A





Size	-	09	14	18	24	36	40	50	64
Model	-	FA09Q6	FA14Q6	FA18Q6	FA24Q6	FA36Q6	FA40QY	FA50QY	FA64QY
Model code	-	AQH101	AQH102	AQH103	AQH104	AQH105	AQH106	AQH107	AQH108
Rated cooling power	[kW]	2,50	3,30	5,00	7,00	8,80	9,50	12,30	14,00
EER	-	2,25	2,44	2,42	2,51	2,00	2,38	2,32	2,06
Electrical power supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	400-3-50+N	400-3-50+N	400-3-50+N
Rated absorbed electrical power	[kW]	1,2	1,3	2,1	2,7	4,4	4,0	5,3	6,8
Rated current	[A]	6,0	6,8	10,7	12,7	21,5	9,7	12,8	14,8
Maximum current	[A]	7,1	8,2	12,5	14,9	28,0	14,0	13,8	19,3
Power supply cable	[mm²]	3 x 1,5	3 x 2,5	3 x 2,5	3 x 4,0	3 x 6,0	5 x 4,0	5 x 4,0	5 x 4,0
Connection cable (2)	[mm²]	5 x 1,5	5 x 1,5	5 x 1,5	5 x 1,5	5 x 1,5	5 x 1,5	5 x 1,5	5 x 1,5
Rated Airflow	[m3/h]	1200	1400	2100	2100	2600	2700	3000	3500
Static pressure available (without / with filter)	[Pa]	190 / 110	170 / 110	230 / 130	160 / 100	240 / 170	230 / 150	220 / 130	210 / 110
Dimensions (LxDxh) (1)	[mm]	950x510x355	1120x630x450	1120x630x450	1520x900x550	1520x900x550	1520x900x550	1520x900x550	1520x900x550
Weight	[kg]	61	74	79	134	143	157	158	159
Dimensions air outlet (Lxh)	[mm]	245 x 230	245 x 230	310 x 270	345 x 300	320 x 350	320 x 350	345 x 300	320 x 350
Dimensions air inlet (Lxh)	[mm]	290 x 300	410 x 360	410 x 360	465 x 465	465 x 465	465 x 465	465 x 465	465 x 465
Liquid line - Suction line	[inch]	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"

(1) Dimensions do not include protruding electrical box.
(2) The cables type and gauge are indicative. They correspond to an installation with a LTB indoor unit without electrical heating option.

The unit delivers its rated cooling power for an outside air inflow at the T° of + 35°C with an airflow rate equal to the rated airflow. The outside air inflow must be at a T° of +40°C max and +20°C min. The "winter start option" enables the unit to operate with an outside air temperature below +20°C.

Options

		WITHOUT Enhanced noise insulation		WITH Enhanced noise insulation	
		WITHOUT LPS	WITH LPS	WITHOUT LPS	WITH LPS
Winter start option	WITHOUT	AA	BA	CA	DA
	WITH	AB	BB	CB	DB

Low pressure switch (LPS): stops the compressor in case of a too low pressure to protect the unit (lack of refrigerant gas, leakage …).
Enhanced noise insulation: Soundproofing with high density absorbent insulation foam to reduce sound pressure.
Winter start option: enables the unit to operate in cooling mode with a low outside air temperature (between +20°C and -5°C). It protects the unit against excessive cooling of the condenser.

Accessories

Size		09	14	18	24	36	40	50	64
Disconnecting switch	Code	SET003YY					SET004YY		
Air filter and bracket	Code	SAT001YY	SAT002YY		SAT003YY				
Mounting brackets	Code	SMT007YY	SMT008YY		SMT009YY				

Disconnecting switch: Ensures a mechanical separation of the unit from its power supply. Can be secured in open position with a padlock.
Air filter and bracket: G3 filter and bracket for installation at the air intake of the unit to minimize fouling of the battery .
Mounting brackets: Set of brackets to be mounted on the unit in order to suspend it to threaded rods.

Association with indoor units

Size		09	14	18	24	36	40	50	64
Wall mounted indoor units	Cf. p.36	•	•	•	•				
Console type indoor units	Cf. p.37		•	•	•	•			
Ceiling Cassettes	Cf. p.38		•	•	•	•	•	•	
Ductable indoor units	Cf. p.39	•	•	•	•	•	•	•	•

FA Cooling only Range - Bisplits

Centrifugal Fan Split Systems

R410A





Size	-	209		09-14		09-18		214		14-18		14-24		218		18-24		224	
Model		FA209Q6		FA0914Q6		FA0918Q6		FA214Q6		FA1418Q6		FA1424Q6		FA218Q6		FA1824Q6		FA224Q6	
Model code		AQH201		AQH202		AQH203		AQH204		AQH205		AQH206		AQH207		AQH208		AQH210	
Size of each circuit		09	09	09	14	09	18	14	14	14	18	14	24	18	18	18	24	24	24
Rated cooling power	[kW]	2,5	2,5	2,5	3,3	2,5	5,0	3,3	3,3	3,3	5,0	3,3	7,0	5,0	5,0	5,0	7,0	7,0	7,0
EER	-	2,25		2,34		2,48		2,27		2,34		2,37		2,44		2,38		2,42	
Electrical power supply	V-Ph-Hz	230-1-50		230-1-50		230-1-50		230-1-50		230-1-50		230-1-50		230-1-50		230-1-50		230-1-50	
Rated absorbed electr. power	[kW]	2,4		2,5		3,1		2,9		3,5		4,2		4,1		4,9		5,6	
Rated current	[A]	12,4		13,0		14,8		14,4		17,0		20,7		19,7		23,5		26,4	
Maximum current	[A]	14,5		15,6		16,9		19,9		22,0		23,6		25,4		28,9		32,4	
Power supply cable	[mm²]	3 x 4,0		3 x 4,0		3 x 4,0		3 x 4,0		3 x 6,0		3 x 6,0		3 x 6,0		3 x 6,0		3 x 6,0	
Connection cable (2)	[mm²]	2 x (5 x 1,5)		2 x (5 x 1,5)		2 x (5 x 1,5)		2 x (5 x 1,5)		2 x (5 x 1,5)		2 x (5 x 1,5)		2 x (5 x 1,5)		2 x (5 x 1,5)		2 x (5 x 1,5)	
Rated Airflow	[m3/h]	2100		2200		2000		2600		2700		3000		2700		3500		3500	
Static pressure available (without / with filter)	[Pa]	230 / 130		220 / 120		160 / 110		250 / 180		230 / 150		260 / 170		230 / 150		210 / 110		210 / 110	
Dimensions (LxDxh) (1)	[mm]	1120x630 x450		1120x630 x450		1520x900 x550		1520x900 x550		1520x900 x550		1520x900 x550		1520x900 x550		1520x900 x550		1520x900 x550	
Weight	[kg]	91		95		144		139		149		151		153		156		159	
Dimensions air outlet (Lxh)	[mm]	310 x 270		310 x 270		345 x 300		320 x 350		320 x 350		345 x 300		320 x 350		320 x 350		320 x 350	
Dimensions air inlet (Lxh)	[mm]	410 x 360		410 x 360		465 x 465		465 x 465		465 x 465		465 x 465		465 x 465		465 x 465		465 x 465	
Liquid line	[inch]	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"
Suction line	[inch]	3/8"	3/8"	3/8"	1/2"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"

(1) Dimensions do not include protruding electrical box.

(2) The cables type and gauge are indicative. They correspond to an installation with a LTB indoor unit without electrical heating option.

The unit delivers its rated cooling power for an outside air inflow at the T° of + 35°C with an airflow rate equal to the rated airflow. The outside air inflow must be at a T° of +40°C max and +20°C min. The "winter start option" enables the unit to operate with an outside air temperature below +20°C.

Options

		WITHOUT Enhanced noise insulation		WITH Enhanced noise insulation	
		WITHOUT LPS	WITH LPS	WITHOUT LPS	WITH LPS
Winter start option	WITHOUT	AA	BA	CA	DA
	WITH	AB	BB	CB	DB

***Low pressure switch (LPS)**: stops the compressor in case of a too low pressure to protect the unit (lack of refrigerant gas, leakage …).*

***Enhanced noise insulation**: Soundproofing with high density absorbent insulation foam to reduce sound pressure.*

***Winter start option:** enables the unit to operate in cooling mode with a low outside air temperature (between +20°C and -5°C). It protects the unit against excessive cooling of the condenser.*

Accessories

Size		209	09-14	09-18	214	14-18	14-24	218	18-24	224
Disconnecting switch	Code	SET003YY								
Air filter and bracket	Code	SAT002YY		SAT003YY						
Mounting brackets	Code	SMT008YY		SMT009YY						

***Disconnecting switch:** Ensures a mechanical separation of the unit from its power supply. Can be secured in open position with a padlock.*

***Air filter and bracket:** G3 filter and bracket for installation at the air intake of the unit to minimize fouling of the battery .*

***Mounting brackets:** Set of brackets to be mounted on the unit in order to suspend it to threaded rods.*

Association with indoor units

The indoor units are associated depending on the size of each circuit in the same way as for the mono circuits FA. Refer to the table page 19 (FA - Cooling only - monosplits).

FA Cooling only Range - Trisplits

Centrifugal Fan Split Systems

> TRISPLITS

R410A



Size	-	309			209-14			09-214			209-18			09-14-18			09-218			314			214-18			14-218			318		
Model		FA309Q6			FA20914Q6			FA09214Q6			FA20918Q6			FA091418Q6			FA09218Q6			FA314Q6			FA21418Q6			FA14218Q6			FA318Q6		
Model code		AQH301			AQH302			AQH303			AQH304			AQH305			AQH306			AQH307			AQH308			AQH309			AQH310		
Size of each circuit		09	09	09	09	09	14	09	14	14	09	09	18	09	14	18	09	18	18	14	14	14	14	14	18	14	18	18	18	18	18
Rated cooling power	[kW]	2,5	2,5	2,5	2,5	2,5	3,3	2,5	3,3	3,3	2,5	2,5	5,0	2,5	3,3	5,0	2,5	5,0	5,0	3,3	3,3	3,3	3,3	3,3	5,0	3,3	5,0	5,0	5,0	5,0	5,0
EER	-	2,38			2,23			2,29			2,25			2,32			2,39			2,41			2,35			2,43			2,22		
Electrical power supply	V-Ph-Hz	230-1-50			230-1-50			230-1-50			230-1-50			230-1-50			230-1-50			230-1-50			230-1-50			230-1-50			230-1-50		
Rated absorbed electrical power	[kW]	3,4			3,8			4,0			4,6			4,7			5,3			4,1			4,8			5,4			6,0		
Rated current	[A]	16,5			18,8			19,4			22,5			23,0			25,7			20,0			23,6			26,3			28,9		
Maximum current	[A]	18,9			24,0			25,1			27,4			28,5			30,9			26,2			29,6			32,0			34,4		
Power supply cable	[mm²]	3 x 4,0			3 x 6,0			3 x 6,0			3 x 6,0			3 x 6,0			3 x 6,0			3 x 6,0			3 x 6,0			3 x 6,0			3 x 6,0		
Connection cable (2)	[mm²]	3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)			3 x (5 x 1,5)		
Rated Airflow	[m3/h]	2000			2700			2700			3500			3500			3500			2700			3500			3500			3500		
Static pressure available (without / with filter)	[Pa]	160 / 100			220 / 140			220 / 140			210 / 110			210 / 110			210 / 110			220 / 140			210 / 110			210 / 110			210 / 110		
Dimensions (LxDxh) (1)	[mm]	1520x900 x550			1520x900 x550			1520x900 x550			1520x900 x550			1520x900 x550			1520x900 x550			1520x900 x550			1520x900 x550			1520x900 x550			1520x900 x550		
Weight	[kg]	156			158			160			163			165			169			162			167			171			175		
Dimensions air outlet (Lxh)	[mm]	345 x 300			320 x 350			320 x 350			320 x 350			320 x 350			320 x 350			320 x 350			320 x 350			320 x 350			320 x 350		
Dimensions air inlet (Lxh)	[mm]	465 x 465			465 x 465			465 x 465			465 x 465			465 x 465			465 x 465			465 x 465			465 x 465			465 x 465			465 x 465		
Liquid line	[inch]	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Suction line	[inch]	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	3/8"	1/2"	1/2"	3/8"	3/8"	1/2"	3/8"	1/2"	1/2"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

(1) Dimensions do not include protruding electrical box.

(2) The cables type and gauge are indicative. They correspond to an installation with a LTB indoor unit without electrical heating option.

The unit delivers its rated cooling power for an outside air inflow at the T° of + 35°C with an airflow rate equal to the rated airflow. The outside air inflow must be at a T° of +40°C max and +20°C min. The "winter start option" enables the unit to operate with an outside air temperature below +20°C.

Options

		WITHOUT Enhanced noise insulation		WITH Enhanced noise insulation	
		WITHOUT LPS	WITH LPS	WITHOUT LPS	WITH LPS
Winter start option	WITHOUT	AA	BA	CA	DA
	WITH	AB	BB	CB	DB

***Low pressure switch (LPS)**: stops the compressor in case of a too low pressure to protect the unit (lack of refrigerant gas, leakage ….).*

***Enhanced noise insulation:** Soundproofing with high density absorbent insulation foam to reduce sound pressure.*

***Winter start option:** enables the unit to operate in cooling mode with a low outside air temperature (between +20°C and -5°C). It protects the unit against excessive cooling of the condenser.*

Accessories

Size		309	209-14	09-214	209-18	09-14-18	09-218	314	214-18	14-218	318
Disconnecting switch	Code	SET003YY									
Air filter and bracket	Code	SAT003YY									
Mounting brackets	Code	SMT009YY									

***Disconnecting switch:** Ensures a mechanical separation of the unit from its power supply. Can be secured in open position with a padlock.*

***Air filter and bracket :** G3 filter and bracket for installation at the air intake of the unit to minimize fouling of the battery .*

***Mounting brackets:** Set of brackets to be mounted on the unit in order to suspend it to threaded rods.*

Association with indoor units

The indoor units are associated depending on the size of each circuit in the same way as for the mono circuits FA. Refer to the table page 19 (FA - Cooling only - monosplits).