FLOOR STANDING





IRC1F11FSS
(Standard for SINGLE PHASE version)
Infrared remote controller



IRC1FB8FST
(Standard for TRI PHASE version)
Infrared remote controller

Code	Model	
398700045	AFSI ECO 120HL1	1PH
398700046	AFSI ECO 120SH	1PH
398700043	AFSI ECO 120HL N	3PH
398700044	AFSI ECO 120SH3 N	3PH
398710001	EIX1FS (Kit WiFi optional - Bluetooth)	

MAXIMUM COMFORT IN EVERY SITUATION THANKS TO THESE FEATURES:

1. QUICK COOLING AND HEATING

Cooling/heating at maximum power and speed allows to reach optimal comfort in a very short time.

2. TURBO MODE

It allows to have maximum cold in a very short time.

3. AUTOSWING

The automatic oscillation of both horizontal and vertical flaps guarantees maximum comfort for everyone in situations of conviviality.

4. AUTO FUNCTION

Automatically adjusts the operation of the unit based on the desired conditions.

FAST Quick cooling and heating | 3D airflow | Sleep mode | Cold air prevention | Intelligent defrosting | AUTO Auto mode | Child lock | AUTO Automatic swinging | Fan speed regulation | AUTO Automatic fan speed | Turbo Turbo fan speed

Light (vers. 3PH) | Save energy | Remote control | Auto restart memory | Auto diagnosi | Timer on/off | Ambient temperature control | Auto AutoClean (vers. 3PH) | Capacity limitation (vers. 3PH) | Cold Plasma (vers. 3PH)

TECHNICAL DATA SINGLE PHASE

Indoor unit model		**AFSI ECO 120HL1**	
Outdoor unit model		**AFSI ECO 120SH**	
	Units	Cooling	Heating
Nominal (min.-max.) capacity (EN14511)	kW	12.30 (1.50-13.50)	12.60 (2.50-14.0)
	BTU/h	41970 (5118-46062)	42991 (8530-47768)
EER/COP (EN14511)		2.95	3.30
Rated capacity (Prated,c/Prated,h)*	kW	12.30	12.60
Seasonal space energy efficency (ηs,c/ηs,h)*	%	227.0	147.0
SCOP		-	3.75
Air flow rate Indoor (sh.-h.-m.-l.)	m^3/h	2000-1850-1700-1580	
Dehumidification	l/h	5	
Fan speeds (Indoor/Outdoor)	n°	4/2	
Sound pressure Indoor (sh.-h.-m.-l.)	dB(A)	53-51-50-48	
Sound pressure Outdoor (h.)	dB(A)	63	
Sound power Indoor (sh.-h.-m.-l.)	dB(A)	64-61-60-58	
Sound power Outdoor (h.)	dB(A)	73	
Power supply	V/Ph/Hz	220-240~/1/50	
Power input	kW	4.17 (0.55-5.06)	3.82 (0.50-5.06)
Compressor type		Rotary DC Inverter	
Refrigerant type/GWP		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	2.0/1.35	
Liquid pipe diameter	mm (inch)	6.35 (1/4")	
Gas pipe diameter	mm (inch)	15.88 (5/8")	
Min.-max. pipe lenght with gas standard charge	m	3-5	
Max. pipe lenght with additional charge	m	30	
Additional refrigerant charge	g/m	50	
Max. height difference (Outdoor above)	m	20	
Max. height difference (Indoor above)	m	20	
Indoor net dimension (H./W./D.)	mm	1882/587/394	
Outdoor net dimension (H./W./D.)	mm	746/1000/427	
Net weight Indoor/Outdoor	kg	53/55	

OPERATING RANGE: outdoor temperature
Cooling mode: from -15 °C to +50 °C
Heating mode: from -15 °C to +30 °C
RANGE OF INDOOR TEMPERATURE ADJUSTMENT: from 16 to 32 °C.

*Data declared in accordance with COMMISSION REGULATION (EU) 2016/2281 of 30 November 2016 implementing Directive 2009/125/EC of the European Parliament and of the Council establishing a framework for the setting of ecodesign requirements for energy-related products, with regard to ecodesign requirements for air heating products, cooling products, high temperature process chillers and fan coil units.

TECHNICAL DATA TRI PHASE

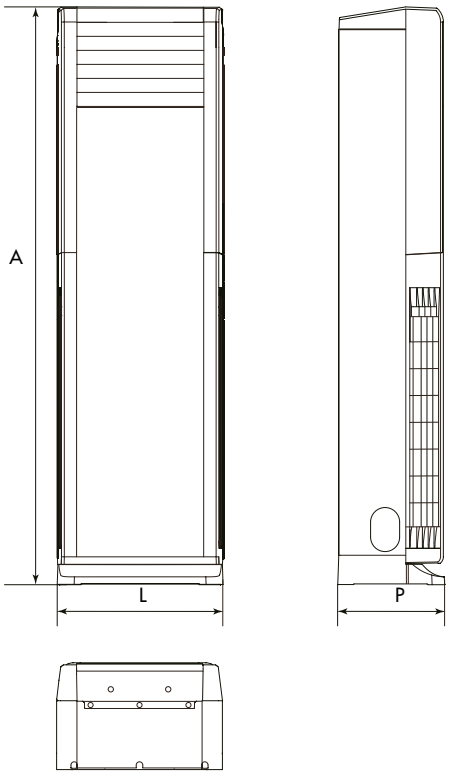
Indoor unit model		**AFSI ECO 120HL N**	
Outdoor unit model		**AFSI ECO 120SH3 N**	
	Units	Cooling	Heating
Nominal (min.-max.) capacity (EN14511)	kW	12.50 (3.10-14.50)	14.50 (3.30-16.50)
	BTU/h	42650 (10557-46062)	49747 (11260-56298)
EER/COP (EN14511)		3.30	3.76
Rated capacity (Prated,c/Prated,h)*	kW	12.50	14.50
Seasonal space energy efficency (ηs,c/ηs,h)*	%	241.0	157.0
SCOP		-	4.0
Air flow rate Indoor (sh.-h.-m.-l.)	m^3/h	2400-2200-2000-1800	
Dehumidification	l/h	5	
Fan speeds (Indoor/Outdoor)	n°	4/2	
Sound pressure Indoor (sh.-h.-m.-l.)	dB(A)	56-54-53-51	
Sound pressure Outdoor (h.)	dB(A)	63	
Sound power Indoor (sh.-h.-m.-l.)	dB(A)	66-64-63-61	
Sound power Outdoor (h.)	dB(A)	74	
Power supply	V/Ph/Hz	380-415 ~/3/50	
Power input	kW	3.79 (0.30-5.70)	3.86 (0.64-4.70)
Compressor type		Rotary DC Inverter	
Refrigerant type/GWP		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	2.8/1.89	
Liquid pipe diameter	mm (")	9.52 (3/8")	
Gas pipe diameter	mm (")	15.88 (5/8")	
Min.-max. pipe lenght with gas standard charge	m	3-5	
Max. pipe lenght with additional charge	m	30	
Additional refrigerant charge	g/m	40	
Max. height difference (Outdoor above)	m	20	
Max. height difference (Indoor above)	m	20	
Indoor net dimension (H./W./D.)	mm	1882/587/394	
Outdoor net dimension (H./W./D.)	mm	820/940/370	
Net weight Indoor/Outdoor	kg	57/86	

OPERATING RANGE: outdoor temperature
Cooling mode: from -15 °C to +50 °C
Heating mode: from -15 °C to +30 °C
RANGE OF INDOOR TEMPERATURE ADJUSTMENT: from 16 to 32 °C.

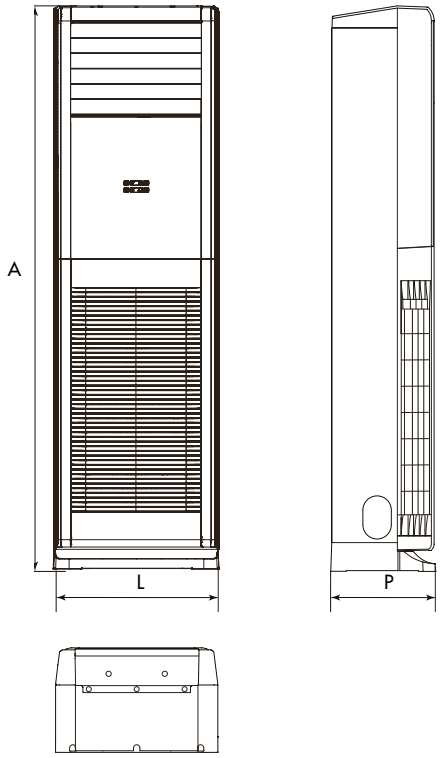
*Data declared in accordance with COMMISSION REGULATION (EU) 2016/2281 of 30 November 2016 implementing Directive 2009/125/EC of the European Parliament and of the Council establishing a framework for the setting of ecodesign requirements for energy-related products, with regard to ecodesign requirements for air heating products, cooling products, high temperature process chillers and fan coil units.

DIMENSIONAL DRAWINGS

SINGLE PHASE INDOOR UNIT

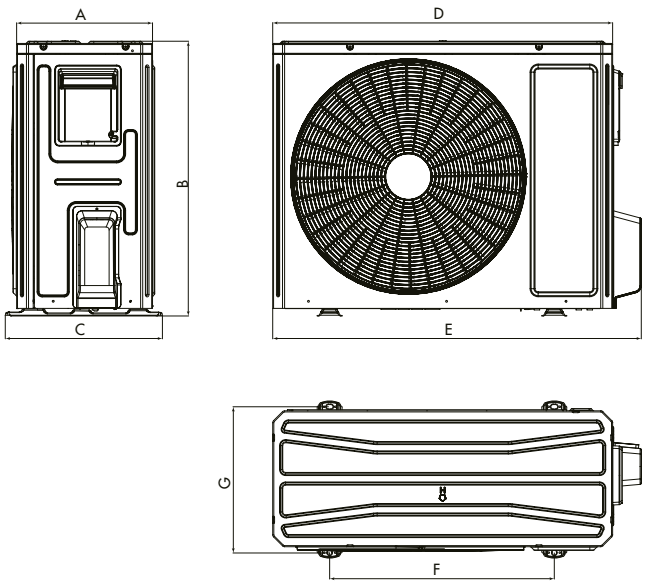


TRI PHASE INDOOR UNIT

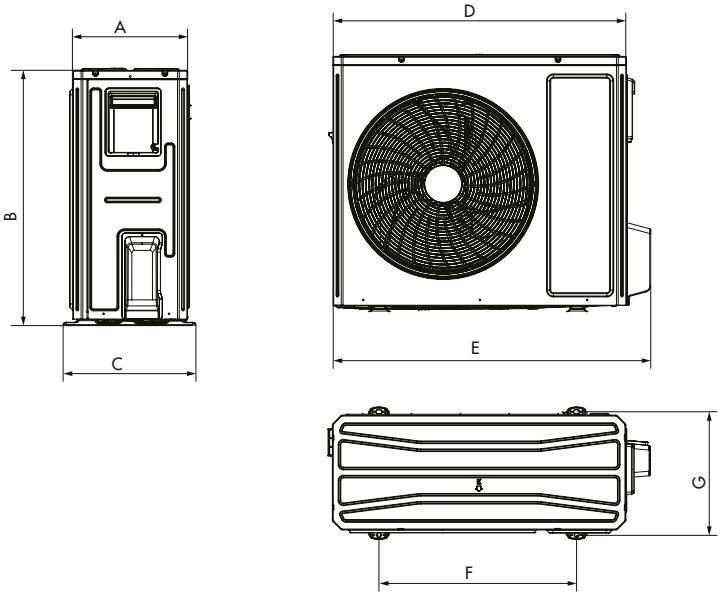


Indoor unit model SINGLE and TRI PHASE	DIMENSIONS (mm)		
	W	H	D
AFSI ECO 120HL1 (1PH)	587	1882	394
AFSI ECO 120HL N (3PH)			

SINGLE PHASE OUTDOOR UNIT



TRI PHASE OUTDOOR UNIT



Outdoor unit model SINGLE and TRI PHASE	DIMENSIONS (mm)						
	A	B	C	D	E	F	G
AFSI ECO 120SH	369	427	746	923	1000	610	395
AFSI ECO 120SH 3 N	370	820	427	940	1020	635	397