

# > ASTER S

Single Split DC inverter heat pump



## MAIN FEATURES

- Ecological refrigerant R410A
- Energy Efficiency Class Level A ++ / A +
- Indoor units with large LED display
- Equipped with inverter technology DC
- Indoor units with attractive and modern design
- Outdoor units with cover on connection valve and soundproof
- Standard washable filter
- Automatic reset in the event of power failure
- Night-time operating mode
- Automatic operation mode
- Daily ON/OFF timer
- The outdoor units is treated with rust-proofing agent

### Standard equipment



### Standard function



### Special function



## TECHNICAL SHEET

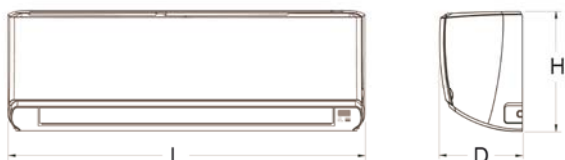
MODELS		9	12	18	22	U.M
Power supply		230-1-50				V-f-Hz
Cooling capacity (nominal) <sup>(1)</sup>	Nom	2600	3500	5130	6450	W
	Min-Max	400-3300	550-4000	1000-6700	1400-7000	W
Total power input in cooling mode <sup>(1)</sup>	Nominale	805	1085	1580	2000	W
	Min-Max	150-1430	180-1560	320-2460	380-2800	W
Rated current in cooling mode <sup>(1)</sup>		3.6	4.8	7.0	8.9	A
Dehumidification <sup>(1)</sup>		0.8	1.4	1.8	2.4	l/h
<b>EER rif. Standard EN14511 (nominal) <sup>(1)</sup></b>		<b>3.23</b>	<b>3.23</b>	<b>3.25</b>	<b>3.23</b>	<b>W/W</b>
<b>SEER rif. Standard EN14825</b>		<b>6.15</b>	<b>6.15</b>	<b>6.12</b>	<b>6.12</b>	<b>W/W</b>
PdesigC		2.6	3.5	5.1	6.4	kW
Heating capacity <sup>(2)</sup>	Nom	2800	3650	5270	6600	W
	Min-Max	400-4100	600-5130	1100-6800	1500-7900	W
Total power input in heating mode <sup>(2)</sup>	Nom	755	985	1420	1780	W
	Min-Max	180-1550	220-1650	350-2300	400-2500	W
Rated current in heating mode <sup>(2)</sup>		3.3	4.4	6.3	7.9	A
<b>COP rif. Standard EN14511 (nominal) <sup>(2)</sup></b>		<b>3.71</b>	<b>3.71</b>	<b>3.71</b>	<b>3.71</b>	<b>W/W</b>
<b>SCOP rif. Standard EN14825</b>		<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>W/W</b>
Climatic zone of reference ref. Standard EN14825		A (Average)				Tipo
PdesigH		2.6	3.0	4.1	5.2	kW
Temp balance <b>Tbiv</b>		-7	-7	-7	-7	°C
Temp use limit <b>ToI</b>		-10	-10	-10	-10	°C
Efficiency class of second implementing regulation 626/2011 - Directive 2009/125/EC	a Freddo	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	\
	a Caldo	<b>A+</b>	<b>A+</b>	<b>A+</b>	<b>A+</b>	\
Power consumption in stand-by		0.5	0.5	0.5	0.5	W
Indoor unit air flow rate	S-Max	530	660	850	1150	m <sup>3</sup> /h
	Max	490	540	720	1050	m <sup>3</sup> /h
	Med	430	460	610	950	m <sup>3</sup> /h
	Min	330	330	520	850	m <sup>3</sup> /h
Sound pressure level Indoor Unit <sup>(3)</sup>	S-Max	39	42	46	48	dB(A)
	Max	36	39	42	45	dB(A)
	Med	32	33	39	42	dB(A)
	Min	26	26	36	39	dB(A)
Outdoor unit air flow rate		1800	1800	3300	3300	m <sup>3</sup> /h
Sound pressure level Outdoor Unit <sup>(3)</sup>		52	53	56	60	dB(A)
Refrigerant		R410A				Tipo
Liquid connections Diameter		1/4	1/4	1/4	3/8	"
Gas connections Diameter		3/8	3/8	1/2	5/8	"
Maximum length of refrigerant lines		20	20	25	25	m
Maximum height difference		10	10	10	10	m
Indoor unit net weight		9.5	10.5	14	16.5	Kg
Outdoor unit net weight		29	30	43	43.5	Kg
Packging dimension Indoor unit	L	871	930	1047	1158	mm
	H	352	368	377	413	mm
	D	290	297	314	352	mm
	L	879	879	1011	1011	mm
Packging dimension Outdoor unit	H	605	605	763	763	mm
	D	366	366	455	455	mm

(1) Outdoor air temp = 35 °C B.S. - Room temp. = 27 °C B.S. / 19 °C B.U.

(2) Outdoor air temp. = 7 °C B.S. - Room air temp. = 20 °C B.S.

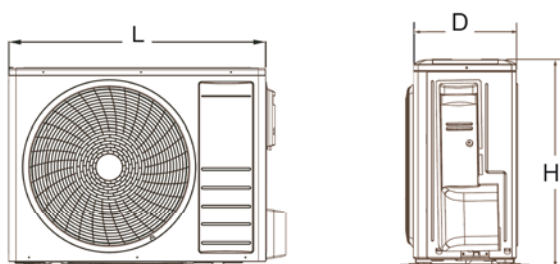
(3) Acoustic pressure measured at 1 meter: O.U. in free field, I.U. in 100 m<sup>3</sup> room with reverb. time of 0.5 seconds.

### INDOOR UNIT



MOD.	9	12	18	22	UM
L	792	850	972	1081	mm
H	279	291	302	327	mm
D	195	203	224	248	mm

### OUTDOOR UNIT



MOD.	9	12	18	22	UM
L	830	830	960	960	mm
H	540	540	700	700	mm
D	257	257	340	340	mm