CALORSPLIT_A++

POMPE DI CALORE
HEAT PUMP | POMPE À CHALEUR

A++

4 kW÷16 kW

R410a

DC-INVERTER

CONTO TERMICO 2.0

ECO BONUS 65%

ECO BONUS 110%

CALORSPLIT_A++ air-gy è una pompa di calore reversibile ad altissima efficienza, nata per riscaldamento invernale, climatizzazione estiva e produzione di acqua calda sanitaria, in piccoli-medi ambienti domestico/residenziali e commerciali. Con la tecnologia DC INVERTER regola potenza e velocità di compressore e ventilatori mediante la modulazione PWM (Pulse Width Modulation). CALORSPLIT_A++ air-gy è composta da due unità: la parte esterna, simile a quella di un climatizzatore, la parte interna costituita da un apparecchio simile ad una caldaia autonoma. Le due unità sono collegate da linee frigorifere.

CALORSPLIT_A++ air-gy is a reversible high efficiency heat pump, designed for heting, cooling, and domestic hot water in home/residential, and small-medium size commercial environments. DC Inverter technology regulates power and speed of compressor and fan with a pulse modulation electronic device PWM, CALORSPLIT_A++ air-gy is composed by two parts: the outdoor unit is similar that of a normal air-conditioner, the indoor one is a wall device similar to a wall gas hung boiler. The two units are connected by a copper line for refrigerant (gas) circulation.

CALORSPLIT_A++ air-gy est une pompe à chaleur réversible à haut rendement pour le chauffage en hiver, l'été de refroidissement et production d'eau chaude sanitaire, les petites et moyennes dans les environnements domestique/résidentiel et commerciale. Avec le DC INVERTER technologie ajuste la puissance et compresseur et vitesse du ventilateur par modulation PWM (Pulse Width Modulation). CALORSPLIT_A++ air-gy est composé de deux unités: l'extérieur, semblable à celle, d'un conditionneur, déchiré, l'intérieur est composé d'un dispositif similaire à une chaudière autonome. Les deux unités sont reliées par les conduites de fluide frigorigène.

CALORSPLIT_A++

POMPE DI CALORE*
HEAT PUMP
POMPE À CHALEUR

CALORSPLIT_A++	KIT CODE ->			CALORSPLIT04_A++	CALORSPLIT06_A++	CALORSPLIT08_A++	CALORSPLIT12_A++	CALORSPLIT12T_A++	CALORSPLIT14T_A++	CALORSPLIT16T_A++
OUTDOOR UNIT				**SHPO4RL24** Mono Phase	**SHPO6RL24** Mono Phase	**SHPO8RL24** Mono Phase	**SHPO12RL24** Mono Phase	**SHPO12RL24P3** Three Phases	**SHPO14RL24P3** Three Phases	**SHPO16RL24P3** Three Phases
Power			kW	4	6	8	12	12	14	16
Power supply			V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Heating 2	Capacity		kW	4.10	6.10	8.00	12.10	12.00	14.00	15.50
	Ratedinput		kW	0.82	1.29	1.73	2.74	2.66	3.26	3.79
	COP			5.00	4.73	4.62	4.42	4.51	4.29	4.09
Heating 3	Capacity		kW	4.01	5.96	7.34	11.85	11.97	13.93	15.48
	Ratedinput		kW	1.13	1.68	2.13	3.48	3.50	4.21	4.87
	COP			3.55	3.55	3.45	3.41	3.42	3.31	3.18
Cooling 4	Capacity		kW	4.10	6.00	8.00	11.80	12.10	13.00	14.00
	Ratedinput		kW	0.79	1.29	1.78	2.65	2.82	3.21	3.68
	EER			5.19	4.66	4.49	4.45	4.29	4.05	3.80
Cooling 5	Capacity		kW	4.12	6.15	6.44	11.02	11.70	12.53	12.91
	Ratedinput		kW	1.30	2.08	2.24	4.17	4.65	5.21	5.52
	EER			3.17	2.96	2.88	2.64	2.52	2.40	2.34
Seasonal space heating energy efficiency class 6	Water outlet @ 35°C			A ++	A ++	A ++	A ++	A ++	A ++	A ++
	Water outlet @ 55°C			A+	A+	A++	A++	A++	A++	A++
Sound power level 7	Heating		dB (A)	62	66	68	68	70	72	72
	Cooling		dB (A)	61	66	68	66	68	71	71
Dimension (WxHxD)			mm	960 x 860 x 380	960 x 860 x 380	1075x965x395	900 x 1327 x 400	900 x 1327 x 400	900 x 1327 x 400	900 x 1327 x 400
Net/Gross weight			kg	60 / 72	60 / 72	76 / 88	99 / 112	115 / 128	115 / 128	115 / 128
Compressor	Type			Twin-rotary inverter	Twin-rotary inverter	Twin-rotary inverter	Twin-rotary inverter	Twin-rotary inverter	Twin-rotary inverter	Twin-rotary inverter
Piping Connections	Liquid	Type		Flaring	Flaring	Flaring	Flaring	Flaring	Flaring	Flaring
		Dia.(OD)	mm	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5
	Gas	Type		Flaring	Flaring	Flaring	Flaring	Flaring	Flaring	Flaring
		Dia.(OD)	mm	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9
	Piping Lenght (min-max)		m	2 - 20	2 - 30	2 - 30	2 - 50	2 - 50	2 - 50	2 - 50
	Installation height	Outdoor unit upside	m	10	10	20	30	30	30	30
		Outdoor unit down-side	m	8	8	15	25	25	25	25
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charged volume		kg	2.5	2.5	2.8	3.9	4.2	4.2	4.2
Throttle type				Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Ambient temperature range	Cooling		°C	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46
	Heating		°C	-20 - 35	-20 - 35	-20 - 35	-20 - 35	-20 - 35	-20 - 35	-20 - 35
	Domestic hot water		°C	-20 - 43	-20 - 43	-20 - 43	-20 - 43	-20 - 43	-20 - 43	-20 - 43
INDOOR UNIT				**SHPI80RL24**	**SHPI80RL24**	**SHPI80RL24**	**SHPI160RL24**	**SHPI160RL24P3**	**SHPI160RL24P3**	**SHPI160RL24P3**
Power supply			V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Dimension (WxHxD)			mm	400x865x427	400x865x427	400x865x427	400x865x427	400x865x427	400x865x427	400x865x427
Net/gross weight			kg	51 / 57	51 / 57	51 / 57	54 / 60	53 / 59	53 / 59	53 / 59
Water circuit	Piping connections Dia.		mm	DN25	DN25	DN25	DN25	DN25	DN25	DN25
	Safety valve		MPa	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	Total water volume		L	5	5	5	5	5	5	5
	Drainage pipe Dia.		mm	Φ 16	Φ 16	Φ 16	Φ 16	Φ 16	Φ 16	Φ 16
	Expansion tank	Volume	L	3	3	3	3	3	3	3
	Water side heat exchanger	Type		Plate type heat exchanger	Plate type heat exchanger	Plate type heat exchanger	Plate type heat exchanger	Plate type heat exchanger	Plate type heat exchanger	Plate type heat exchanger
		Volume	L	0.7	0.7	0.7	1	1	1	1
	Water pump head		m	6	6	6	7.5	7.5	7.5	7.5
Refrigerant circuit	Liqiud side Dia.		mm	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5	Φ 9.5
	Gas side Dia.		mm	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9	Φ 15.9
Mounted backup electric heater	Size		kW	3.0	3.0	3.0	3.0	4.5	4.5	4.5

Notes:
2. Outdoor air temperature 7° DB, 85% R.H.; EWT 30°, LWT 35°.
3. Outdoor air temperature 7° DB, 85% R.H.; EWT 40°, LWT 45°.
4. Outdoor air temperature 35° DB; EWT 23°, LWT 18°.
5. Outdoor air temperature 35° DB; EWT 12°, LWT 7°.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Sound power level tested in average climate conditions,
heating outdoor air temperature 7° DB, 60C WB; EWT 47°, LWT 55°;
cooling:outdoor air temperature 35° DB, 24° WB; EWT 12°, LWT 7°.

***PRODOTTO NON A MAGAZZINO MA DA ORDINARE**