



# A++

5 kW ÷ 16 kW



DC-INVERTER



CONTO  
TERMICO  
2.0

ECO  
BONUS  
65%

ECO  
BONUS  
110%

La nuova UNISPLIT\_A++ con l'impiego della tecnologia inverter unitamente ai motori DC brushless assicura una altissima efficienza energetica globale sia per l'abbattimento del consumo specifico di ogni motore, che per l'elevata capacità di modulazione. L'impiego esteso di queste tecnologie a tutti i componenti si traduce in elevati valori di COP e di EER con un consistente incremento delle efficienze ai carichi parziali (ESEER).

New UNISPLIT\_A++ with the inverter technology employment together with DC brushless motors ensures higher global energetic efficiency of equipment also thanks to high and effective modulating power. The employment extension to all components gives the COP and EER improvement and a substantial increase of partial loads efficiency (ESEER).

Nouveau UNISPLIT\_A++ avec l'utilisation de la technologie de l'onduleur ainsi que les moteurs à courant continu sans balai assure une efficacité énergétique globale élevée à la fois pour la démolition de la consommation spécifique de chaque moteur, qui, pour la grande capacité de modulation. L'utilisation intensive de ces technologies à tous les composants des résultats des valeurs élevées de la COP et REE avec une augmentation substantielle des gains d'efficacité à charge partielle (ESEER).

# UNISPLIT\_A++

POMPE DI CALORE  
HEAT PUMP  
POMPE À CHALEUR

UNISPLIT_A++		MHP5RL24 Mono Phase	MHP7RL24 Mono Phase	MHP9RL24 Mono Phase	MHP12RL24 Mono Phase	MHP12RL24P3 Three Phases	MHP14RL24P3 Three Phases	MHP16RL24P3 Three Phases	
Power	kW	5	7	9	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 <sub>2</sub>	Capacity	kW	4.58	6.55	8.67	12.17	12.37	14.10	
	Rated input	kW	0.97	1.45	2.02	2.73	2.76	3.26	
	COP		4.72	4.52	4.30	4.46	4.48	4.33	
Heating <sub>3</sub>	Capacity	kW	4.67	6.69	8.62	12.58	12.02	14.11	
	Rated input	kW	1.43	2.05	2.64	3.86	3.72	4.47	
	COP		3.27	3.26	3.27	3.26	3.23	3.16	
Cooling <sub>4</sub>	Capacity	kW	4.55	6.45	8.11	12.19	12.64	14.03	
	Rated input	kW	1.00	1.47	2.08	2.65	2.75	3.26	
	EER		4.55	4.40	3.90	4.60	4.60	4.30	
Cooling <sub>5</sub>	Capacity	kW	4.55	6.71	8.09	12.21	12.58	13.80	
	Rated input	kW	1.55	2.57	3.41	4.17	4.32	5.15	
	EER		2.94	2.61	2.37	2.93	2.91	2.68	
Seasonal space heating energy efficiency class <sub>6</sub>	Water outlet @ 35°C		A++	A++	A++	A++	A++	A++	
	Water outlet @ 55°C		A++	A+	A++	A+	A+	A++	
Sound power level <sub>7</sub>	Heating	dB (A)	61	65	68	67	67	71	
	Cooling	dB (A)	63	66	70	68	66	70	
Dimension (WxHxD)	mm	1210 x 945 x 402	1210 x 945 x 402	1210 x 945 x 402	1404 x 1414 x 405	1404 x 1414 x 405	1404 x 1414 x 405	1404 x 1414 x 405	
Net/Gross weight	kg	99 / 117	99 / 117	99 / 117	162 / 183	177 / 198	177 / 198	177 / 198	
Compressor	Type	Twin-rotary inverter							
Expansion tank volume	L	2	2	2	5	5	5	5	
Refrigerant	Type	R410A							
	Charged volume	kg	2.4	2.4	2.4	3.6	3.6	3.6	3.6
Throttle type		Electronic expansion valve							
Ambient temperature range (Heat pump)	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
Water outlet temperature range	Cooling	°C	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25
	Heating	°C	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60
	Domestic hot water	°C	40 ~ 60	40 ~ 60	40 ~ 60	40 ~ 60	40 ~ 60	40 ~ 60	40 ~ 60

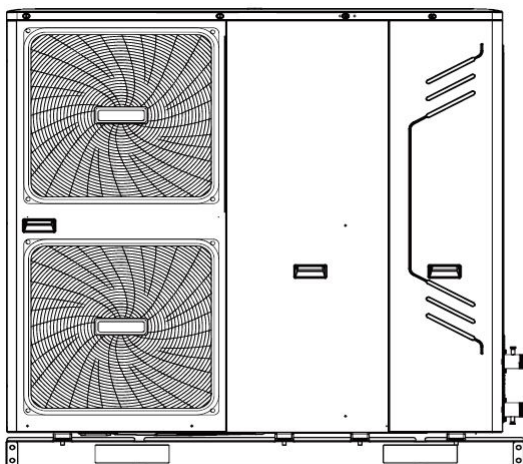
\*\* Esclusi costi di accensione

#### Notes:

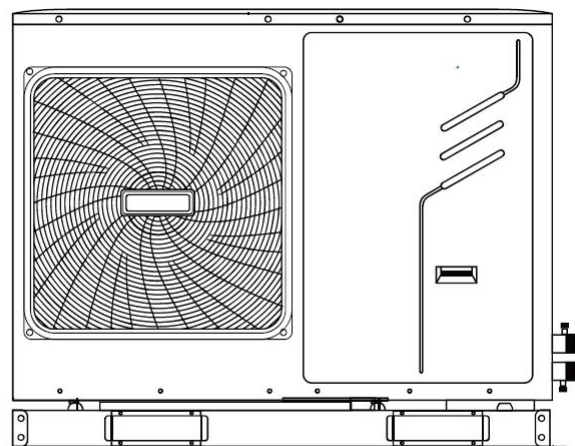
- Outdoor air temperature 7° DB, 85% R.H.; EWT 30°, LWT 35°.
- Outdoor air temperature 7° DB, 85% R.H.; EWT 40°, LWT 45°.
- Outdoor air temperature 35° DB; EWT 23°, LWT 18°.
- Outdoor air temperature 35° DB; EWT 12°, LWT 7°.

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, 6° WB; EWT 47°, LWT 55°; cooling: outdoor air temperature 35° DB, 24° WB; EWT 12°, LWT 7°.



10 / 12 / 14 / 16 kW



5 / 7 / 9 kW