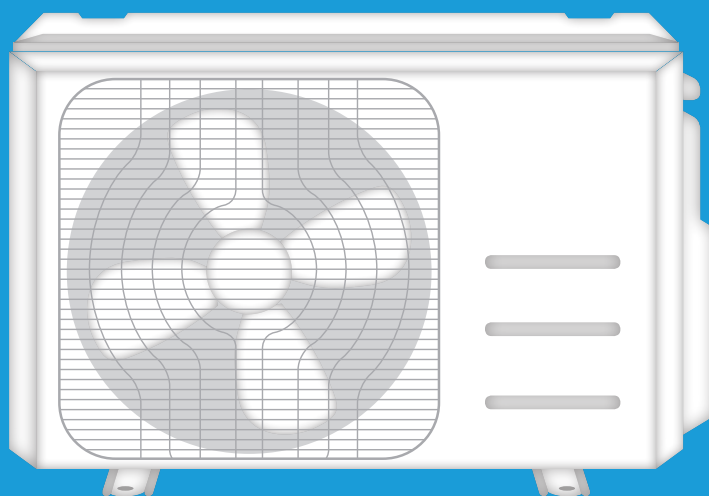
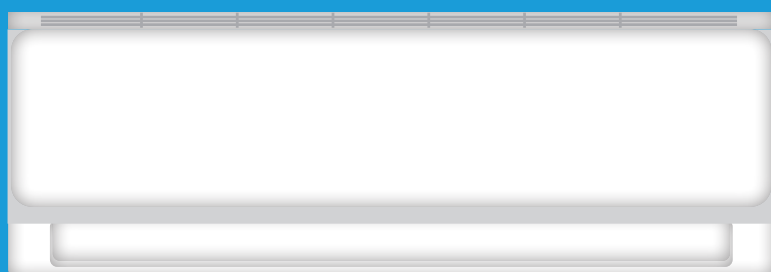


CLIMA X

SCHEDA TECNICA

9
12
18
24



Modelli disponibili

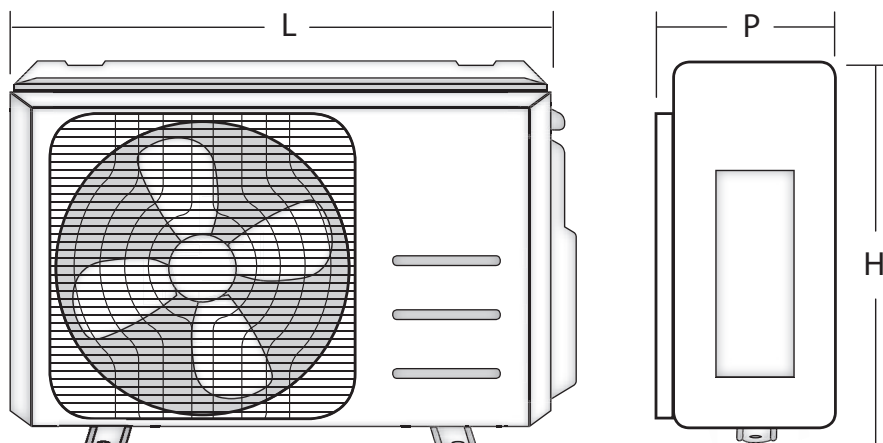
Modello	Tipo gas refrigerante	Potenza Nominale Raffrescamento (kW)	Potenza Nominale Riscaldamento (kW)	Codice unità interna	Codice unità esterna
Clima X 9 - Mono	R32	2.6	2.5	401180120	401180122
Clima X 12 - Mono	R32	3.8	4.0	401180121	401180123
Clima X 18 - Mono	R32	5.3	5.5	401180055	401180056
Clima 24 - Mono	R32	7.8	8.1	401180057	401180058

Voci di capitolato (caratteristiche generali)

- Compressore GMCC TOSHIBA ad alta efficienza di tipo Twin Rotary DC inverter a giri variabili, con gas refrigerante R32
- Elevata efficienza energetica classe A++ in raffreddamento classe A+ in riscaldamento
- Unità esterna con struttura in lamiera di acciaio zincato verniciata di colore bianco con resina sintetica per esterno per la protezione dagli agenti atmosferici
- Scambiatore di calore unità esterna ed interna con trattamento anti-corrosione Gold fin
- Unità esterna con ventilatore modulante
- Predisposizione per gestione dell'unità interna tramite dispositivo Wi-fi, controllabile via app da smartphone
- Unità interna munita di filtro dell'aria ad alta densità con reticolo a celle di 0.54 mm².
- Unità interna predisposta per lo scarico della condensa dal lato posteriore e da entrambi i lati laterali
- Unità interna con ventilatore tangenziale con motore inverter a 12 step
- Unità interna con display a scomparsa retroilluminato integrato nel pannello frontale
- Unità interna per installazione pensile a parete dotata di alette bi-direzionali.
- Telecomando ad infrarossi con sensore di temperatura
- Consumo massimo in modalità Stand-by di 1 W
- Sistema di rilevazione e allarme perdite gas
- Limiti operativi estesi (funzionamento da -15 °C a + 50 °C)
- Versatilità di installazione, possibilità di collegare l'unità interna dal retro, da destra o da sinistra
- Auto restart dopo eventuali cadute di tensione
- 4 modalità di funzionamento: Auto, Deumidificazione, Riscaldamento o Raffrescamento
- Dotato di funzione Sleep Mode per il massimo comfort notturno
- Funzione memory che permette di memorizzare le impostazioni dell'apparecchio per le accensioni successive.

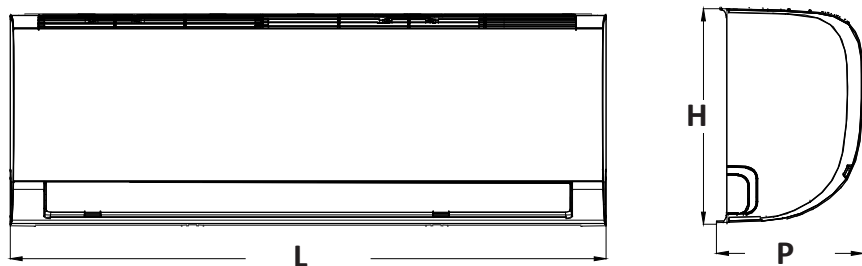
Dimensioni ed ingombro

unità esterna

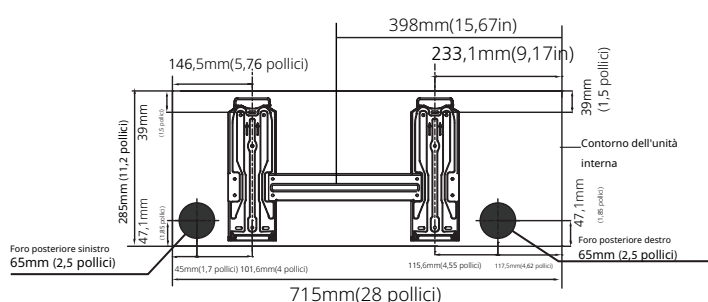


Mod.	L (mm)	H (mm)	P (mm)	Peso (kg)
9 Mono ext	720	495	270	21
12 Mono ext	720	495	270	21
Clima X 18 Mono ext	805	554	330	32.7
Clima X 24 Mono ext	845	700	320	42.9

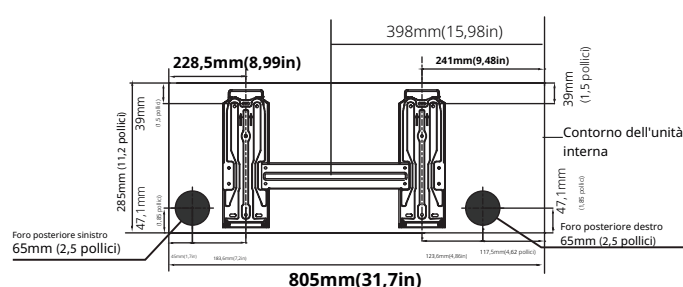
unità interna



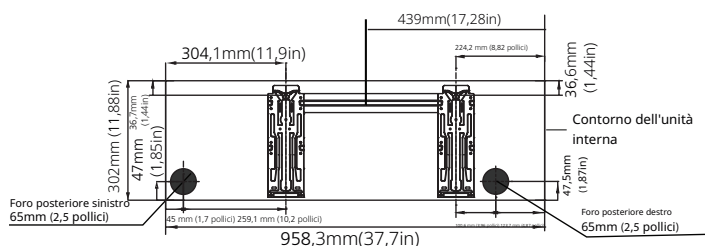
Mod.	L (mm)	H (mm)	P (mm)	Peso (kg)
Clima X 9 Mono int	715	285	194	6.7
Clima X 12 Mono int	805	285	194	7.3
Clima X 18 Mono int	957	302	213	10
Clima X 24 Mono int	1040	327	220	12.3



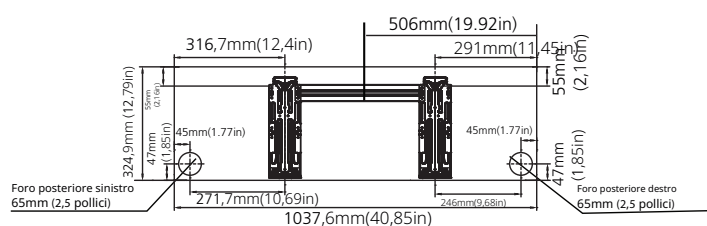
Clima X 9 Mono int



Clima X 12 Mono int



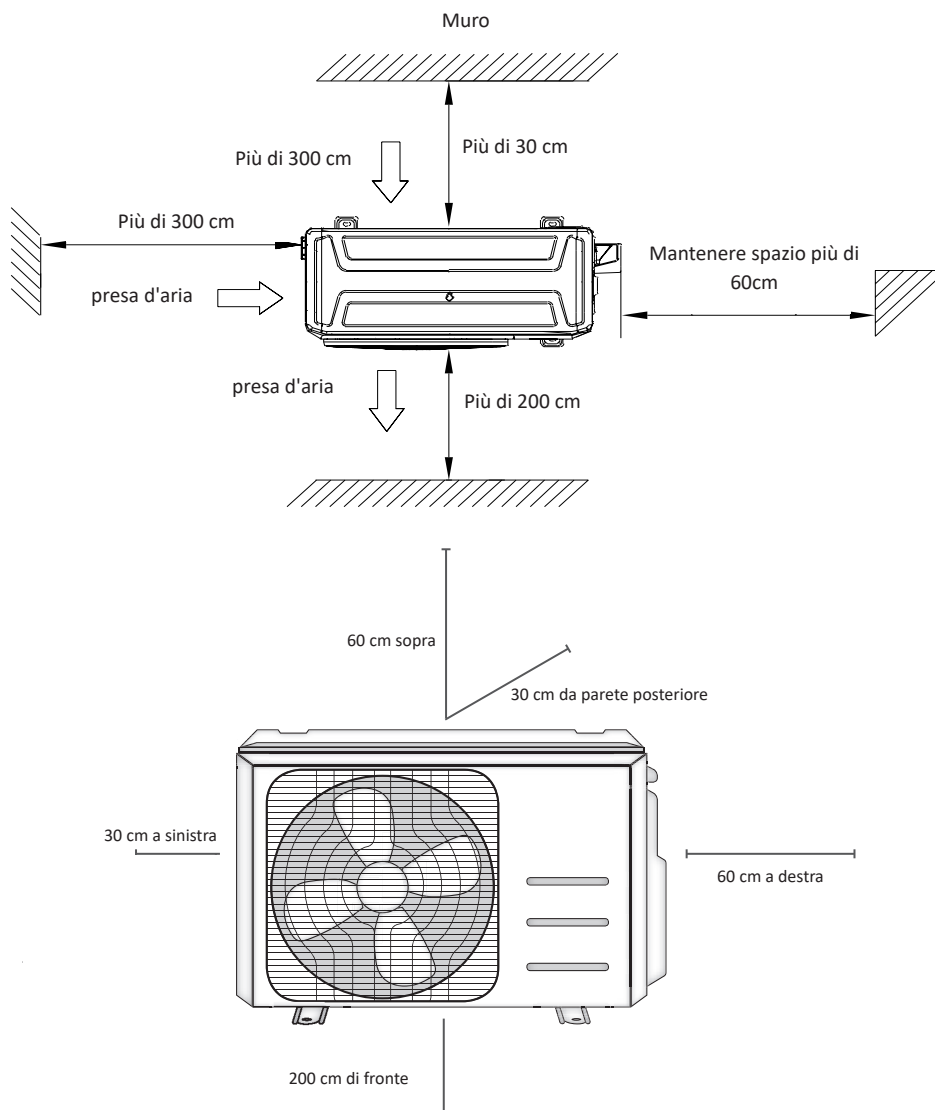
Clima X 18 Mono int



Clima X 24 Mono int

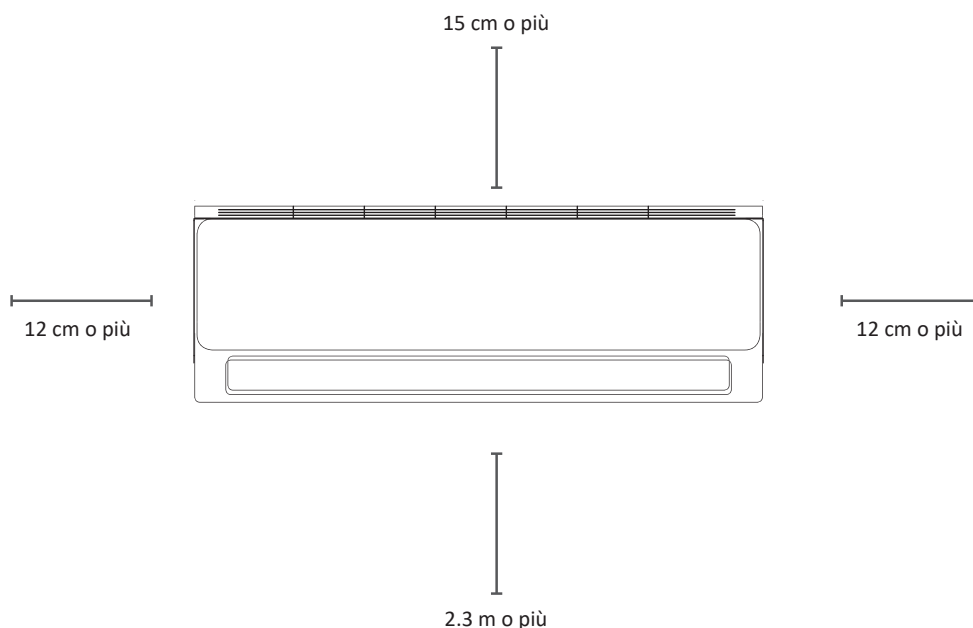
Distanze minime di posizionamento

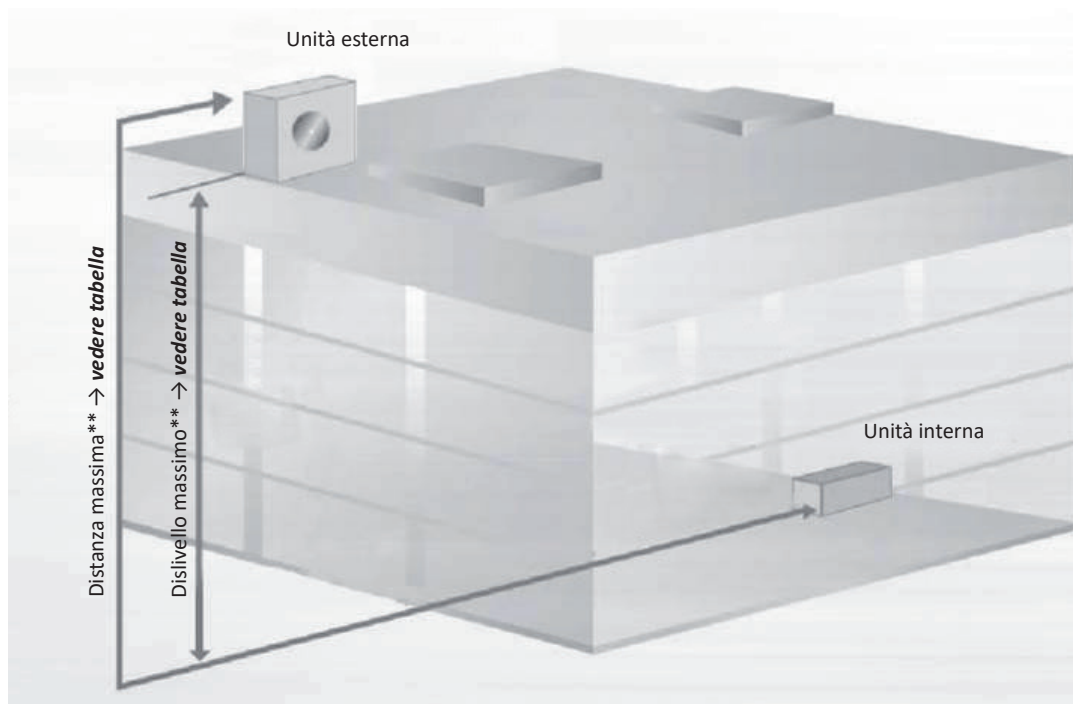
Unità esterna



Unità interna

Far riferimento al seguente schema per assicurare adeguata distanza da parti e soffitto





Aggiunta di gas refrigerante

L'unità esterna dei modelli Clima Top Mono contiene, pre-caricata in fabbrica, una quantità di gas adatta a coprire una distanza max tra unità interna ed unità esterna pari a 5m. La realizzazione di impianti con distanze maggiori (*comunque non eccedenti il valore massimo***) comporta l'aggiunta di gas come da tabella.

Mod.	Diametro interno del tubo mandata liquido	Diametro interno del tubo ritorno gas	Distanza max con gas precaricato (m)	Quantità gas addizionale*(g/m)	Distanza max** (m)	Distanza min (m)	Dislivello max**(m)
Clima X 9 Mono	1/4" (6.35 mm)	3/8" (9.52mm)	5	12	25	3	10
Clima X 12 Mono	1/4" (6.35 mm)	3/8" (9.52mm)	5	12	25	3	10
Clima X 18 Mono	1/4" (6.35 mm)	1/2" (12.7mm)	5	12	30	3	20
Clima X 24 Mono	3/8" (9.52mm)	5/8" (15.9mm)	5	24	50	3	25

$$\text{R32 da aggiungere (g)} = (\text{Lunghezza tot. tubo} - 5\text{m}) \times 12^*$$

* 24 in caso di Clima X 24

ATTENZIONE! la distanza è intesa come lunghezza di ciascun tubo di mandata liquido e ritorno gas, posati lungo lo stesso percorso. Utilizzare tubi solo del diametro prescritto. Non eccedere comunque la distanza max** prescritta. Non considerare la distanza in linea d'aria.

ESEMPIO: ipotizzando di installare un modello Clima 12 con una distanza tra le unità interna ed esterna di 9 metri, che si realizza con 9 metri di tubo andata liquido e 9 metri di tubo ritorno gas, la tabella riporta una quantità di gas addizionale, per questo modello, pari a 12 grammi per ogni metro di distanza: ciò comporterà l'aggiunta di gas per $(9-5) = 4\text{m}$, cioè $(4\text{m} \times 12 \text{ g/m}) = 48 \text{ grammi}$.

(i) Se è stato aggiunto gas refrigerante, **la riuscita completa del pump-down (richiamo nell'unità esterna di tutto il gas contenuto nell'impianto) non è garantita e quest'operazione potrebbe causare danni all'apparecchio.** In questo caso, effettuare il recupero completo del gas mediante apparecchiatura professionale esterna, onde **evitare assolutamente la dispersione in atmosfera del gas rimasto nei tubi.**

Caratteristiche elettriche

UNITA' INTERNA

MODELLO	UNITA' INTERNA			ALIMENTAZIONE		IFM	
	Fase	Hz	Tensione	MCA	MOP	W	FLA
CLIMA X 9 MONO INT	1	50	220-240 min:198 max: 264	/	/	30	0.29
CLIMA X 12 MONO INT				/	/	30	0.29
CLIMA X 18 MONO INT				/	/	30	0.11
CLIMA X 24 MONO INT				/	/	58	0.206

UNITA' ESTERNA

MODELLO	UNITA' ESTERNA			ALIMENTAZIONE			COMPRESSORE		OFM		
	Fase	Hz	Tensione	MCA	MOP	MFA	MSC	RLA	QTA	W	FLA
9 MONO EXT	1	50	220-240 min:198 max: 264	8.18	13.9	20	/	5.7	1	25	0.76
12 MONO EXT				8.18	13.9	20	/	5.7	1	25	0.76
18 MONO EXT				10.7	18.6	20	/	7.5	1	34	0.89
24 MONO EXT				13.3	22.56	25	/	9.3	1	80	0.82

Legenda:

MCA: Corrente minima di circuito

MOP: Valutazione massima del dispositivo di protezione contro sovraccorrente

MFA: Ampere massimi del fusibile (A)

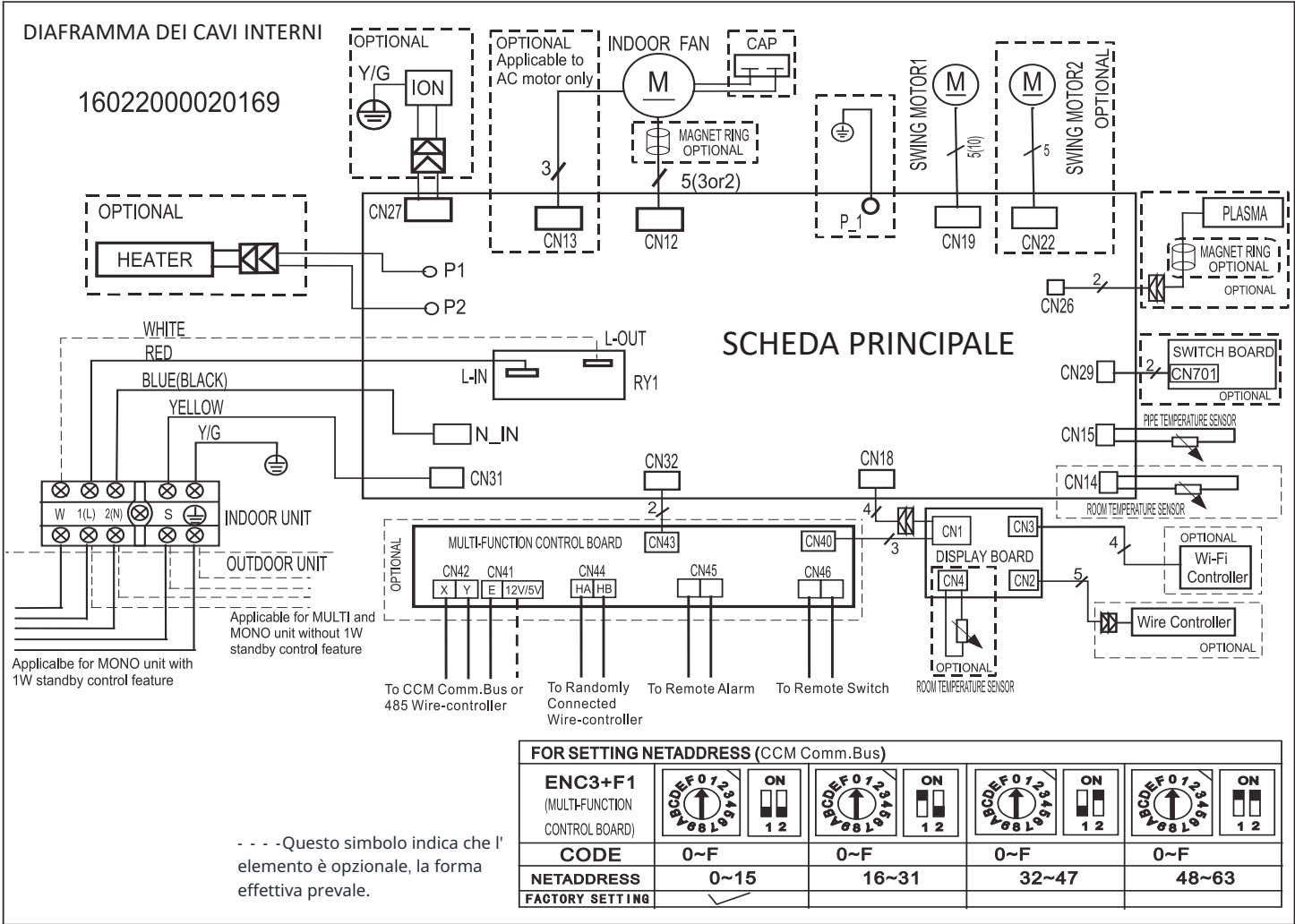
MSC: Corrente di avviamento massima

RLA: Ampere di carico nominale (A)

IFM: Motore del ventilatore interno

OFM: Motore del ventilatore esterno

FLA: Ampere a pieno carico (A)

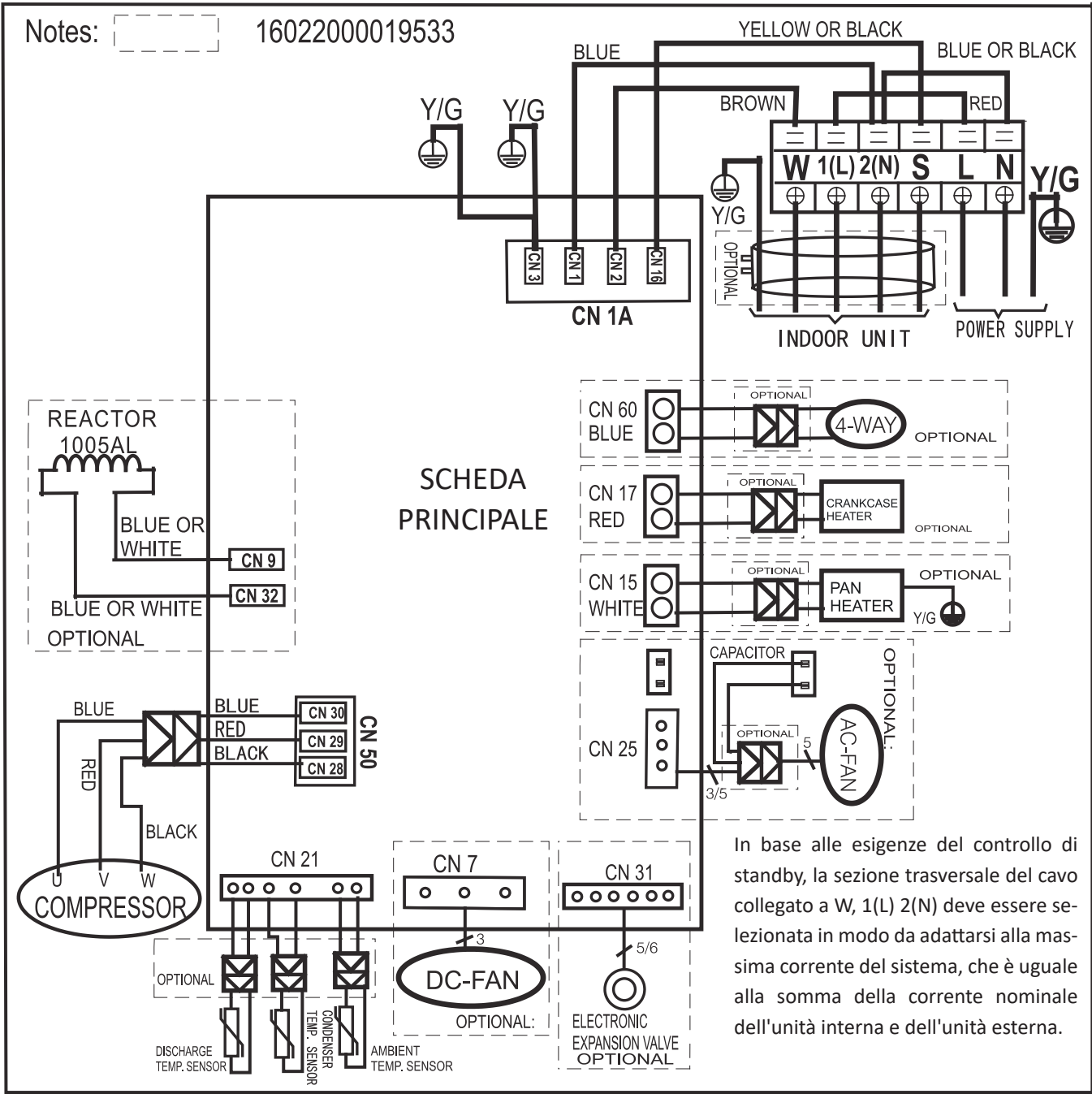


SCHEMA ELETTRICO SCHEDA ELETTRONICA UNITA'ESTERNE

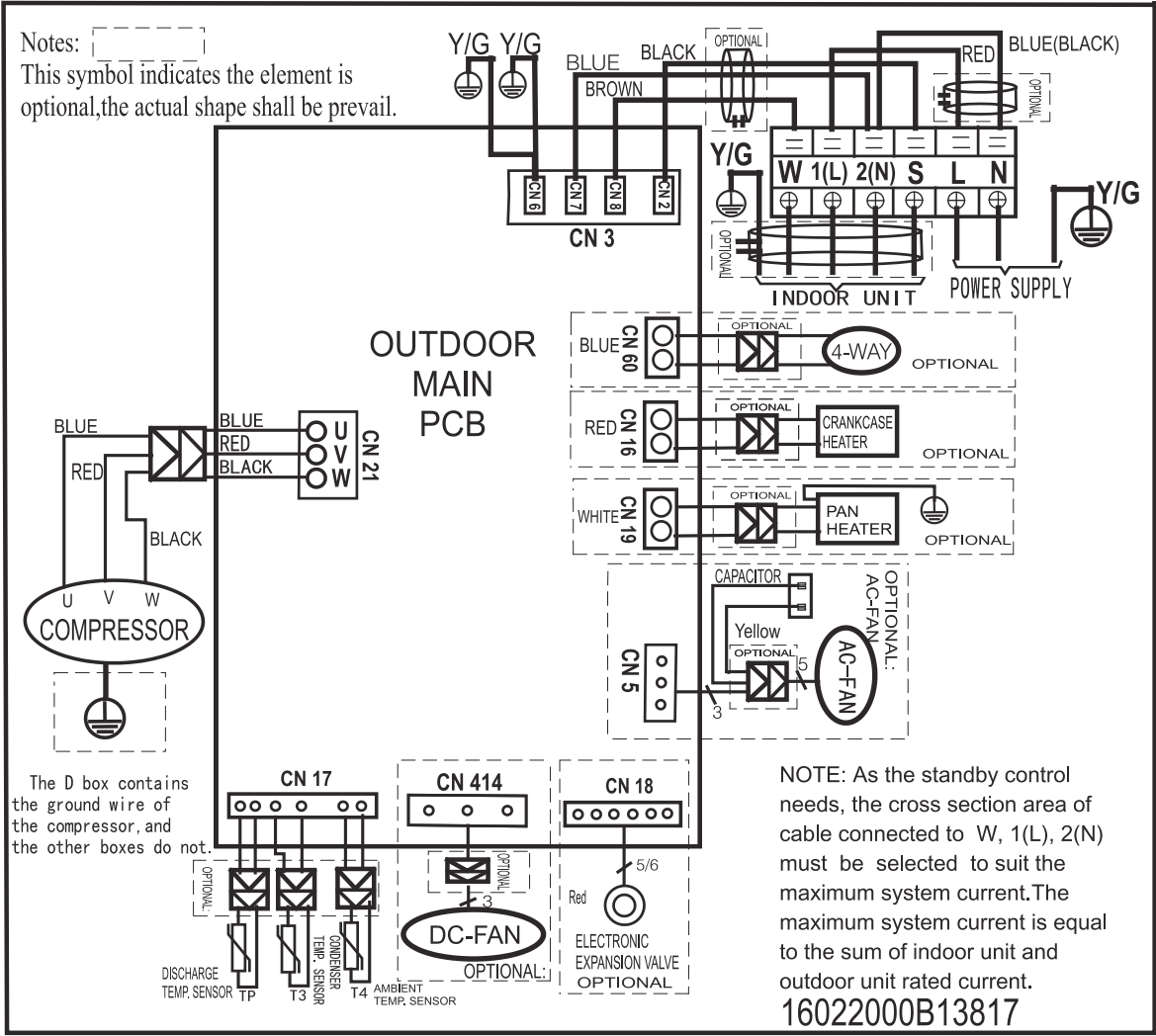
X 9 MONO EXT

X 12 MONO EXT

CLIMA X 18 MONO EXT



In base alle esigenze del controllo di standby, la sezione trasversale del cavo collegato a W, 1(L) 2(N) deve essere selezionata in modo da adattarsi alla massima corrente del sistema, che è uguale alla somma della corrente nominale dell'unità interna e dell'unità esterna.



				CLIMA X 9 MONO	CLIMA X 12 MONO	CLIMA X 18 MONO	CLIMA X 24 MONO	
Codice unità interna				401180120	4011800121	401180055	401180057	
Codice unità esterna				401180122	401180123	401180056	401180058	
Alimentazione elettrica e numero di fasi				V/Hz/~ 220 ~ 240/50/1	220 ~ 240/50/1	220 ~ 240/50/1	220 ~ 240/50/1	
Raffrescamento	(EN 14511)	Capacità Nominale	kW	2.66	3.05	5.29	7.54	
			Btu/h	9000 (3100 ~ 11600)	10400 (3800 ~ 13400)	18000 (1157 ~ 19900)	25700 (7100 ~ 27000)	
		Potenza Assorbita	W	800 (100 ~ 1240)	920 (83 ~ 1600)	1550 (560 ~ 2050)	2402 (230 ~ 3350)	
		Corrente Assorbita	A	3.48 (0.5 ~ 5.5)	4.0(1.4 ~ 6.4)	6.7 (2.4 ~ 8.9)	10(1.0 ~ 13.8)	
		EER	W/W	3.30	3.31	3.41	3.28	
Riscaldamento	(EN 14511)	Capacità Nominale	kW	2.93	3.96	5.83	7.77	
			Btu/h	10000 (2800 ~ 11500)	13500 (3700 ~ 14200)	19880 (10580 ~ 19960)	26500 (5200 ~ 27000)	
		Potenza Assorbita	W	770 (120 ~ 1200)	1045(167~ 1400)	1550 (780 ~ 2000)	2082 (300 ~ 2750)	
		Corrente Assorbita	A	3.3 (0.5 ~ 5.5)	4.55(1.4 ~ 6.4)	6.74 (3.4 ~ 8.7)	9.05 (1.3 ~ 12.2)	
		COP	W/W	3.81	3.79	3.76	3.73	
Raffrescamento	(ERP - EN 14825)	P _{designc}	kW	2.6	3.5	5.2	7.0	
		SEER	W/W	7.0	7.4	7.4	6.1	
		Classe d'efficienza energetica		A++	A++	A++	A++	
Riscaldamento	(ERP - EN 14825)	P _{designh}	kW	2.3	2.8	4.1	5.8	
		SCOP	W/W	4.1	4.1	4.0	4.0	
		Classe d'efficienza energetica		A+	A+	A+	A+	
		T _{biv}	°C	−7	−7	−7	−7	
		Riscaldamento (Zona calda)	(ERP - EN 14825)	P _{designh}	kW	2.3	3.0	-
SCOP	W/W			5.1	5.2	-	-	
Classe d'efficienza energetica				A+++	A+++	-	-	
T _{biv}	°C			−2	−2	-	-	
Potenza massima assorbita (di picco)			W	2150	2150	2500	3500	
Corrente assorbita (di picco)			A	10	10	13	15.5	
Compressore	Modello			KSK103D32UEZ3(Y1)		KSK103D32UEZ3(Y1)	KSN140D21UFZ	KTF235D22UMT
	Tipologia			ROTARY		ROTARY	ROTARY	ROTARY
	Marca			GMCC		GMCC	GMCC	GMCC
	Olio refrigerante (quantità ml)	ml	ESTER OIL VG74 (280 ml)		ESTER OIL VG74 (280 ml)	VG74 (440 ml)	ESTER OIL RB74AF (670 ml)	
Motore ventilatore unità interna	Modello			ZKFP-20-8-6-7		ZKFP-20-8-6-7	ZKFP-20-8-6-7	ZKFP-58-8-1
	Assorbimento	W	50.0		35	-	-	
	Velocità (Alta/Media/Bassa)	r/min	1100/900/750		1130/950/750	1130/900/800	1130/900/800	
Portata d'aria unità interna (Alta/Media/Bassa)			m³/h	466/360/325		540/430/314	840/680/540	980/817/662
Pressione sonora unità interna (Alta/Media/Bassa/Silenz.)			dB (A)	38.5/32/25/21		40.5/34.5/25/21	42.5/36/26/20	45/40.5/36/-
Potenza sonora massima unità interna			dB (A)	50		54	56	59
Unità interna	Dimensioni (L x H x P)		mm	805x194x285		805x194x285	957x213x302	1040x220x327
	Dimensioni imballo (L x H x P)		mm	870x270x365		870x270x365	1035x295x385	1120x405x315
	Peso netto/Lordo		Kg	6.7/8.8		7.3/9.5	10.0/13.0	12.3/15.8
Motore ventilatore unità esterna	Modello			ZKFN-25-10-SL		ZKFN-25-10-SL	ZKFN-34-10-1-3	ZKFN-80-8-3
	Assorbimento	W	/		/	/	50	
	Velocità (Alta/Media/Bassa)	r/min	780/-/600		780/-/600	740/-/650	830/700/500	
Portata d'aria unità esterna			m³/h	1750		1750	2100	3500
Pressione sonora unità esterna			dB (A)	55.5		55.0	56	59
Potenza sonora massima unità esterna			dB (A)	59.0		64.0	63.0	67.0
Unità esterna	Dimensioni (L x H x P)		mm	720x270x495		720x270x495	805x330x554	890x342x673
	Dimensioni imballo (L x H x P)		mm	835x300x540		835x300x540	915x370x615	995x398x740
	Peso Netto/Lordo		Kg	21/23.8		21/22.8	32.7/35.4	42.9/45.9
Gas Refrigerante	Tipo			R32		R32	R32	R32
	GWP			675		675	675	675
	Quantità precaricata			Kg	0.47		0.52	1.08
Pressioni d'esercizio			MPa	4.3/1.7		4.3/1.7	4.3/1.7	4.6/1.7
Linee frigorifere	Attacchi liquido/gas	mm (inch)	ø6.35 / ø9.52 (1/4" / 3/8")		ø6.35 / ø9.52 (1/4" / 3/8")	ø6.35 / ø12.7 (1/4" / 1/2")	ø9.52 / ø15.9 (3/8" / 5/8")	
	Max lunghezza singola tubazione	m	25		25	30	50	
	Dislivello max tra unità esterna ed interna	m	10		10	20	25	
Tipo Termostato				comando remoto		comando remoto	comando remoto	comando remoto
Temperatura d'esercizio	Interna (raffrescamento/ riscaldamento)	°C	17 ~ 32 / 0 ~ 30		17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30	
	Esterna (raffrescamento/ riscaldamento)	°C	−15 ~ 50 / −20 ~ 30		−15 ~ 50 / −20 ~ 24	−15 ~ 50 / −15 ~ 24	−15 ~ 50 / −15 ~ 30	

Tabelle di capacità

Raffreddamento

Clima X 9 mono

FLUSSO D'ARIA INTERNO (CMH)	ESTERNO DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
259	-15	TC	2.75	2.73	2.73	2.73	2.89	2.95	2.95	2.95	2.97	2.97	2.97	2.97	3.14	3.14	3.14	3.14
		S/T	0.66	0.72	0.79	0.85	0.55	0.61	0.67	0.72	0.49	0.55	0.61	0.67	0.38	0.42	0.48	0.54
		PI	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	-10	TC	2.73	2.72	2.72	2.72	2.87	2.94	2.94	2.94	2.95	2.95	2.95	2.95	3.13	3.13	3.13	3.13
		S/T	0.66	0.73	0.80	0.85	0.55	0.61	0.67	0.73	0.49	0.55	0.61	0.67	0.38	0.43	0.49	0.54
		PI	0.52	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	-5	TC	2.71	2.70	2.70	2.70	2.86	2.92	2.92	2.92	2.94	2.94	2.94	2.94	3.12	3.12	3.12	3.12
		S/T	0.66	0.73	0.80	0.86	0.56	0.61	0.67	0.73	0.50	0.56	0.61	0.67	0.38	0.43	0.49	0.55
		PI	0.52	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	0	TC	2.70	2.69	2.69	2.69	2.85	2.91	2.91	2.91	2.93	2.93	2.93	2.93	3.12	3.12	3.12	3.12
		S/T	0.67	0.74	0.80	0.86	0.56	0.62	0.68	0.74	0.50	0.56	0.62	0.68	0.38	0.43	0.49	0.55
		PI	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53
	5	TC	2.69	2.68	2.68	2.68	2.84	2.90	2.90	2.90	2.92	2.92	2.92	2.92	3.11	3.11	3.11	3.11
		S/T	0.67	0.74	0.81	0.87	0.56	0.62	0.68	0.74	0.50	0.56	0.62	0.68	0.38	0.43	0.49	0.55
		PI	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	10	TC	2.67	2.66	2.66	2.66	2.83	2.89	2.89	2.89	2.91	2.91	2.91	2.91	3.11	3.11	3.11	3.11
		S/T	0.67	0.74	0.81	0.87	0.56	0.62	0.68	0.74	0.50	0.56	0.62	0.68	0.39	0.44	0.50	0.55
		PI	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
	15	TC	2.65	2.64	2.64	2.64	2.81	2.87	2.87	2.87	2.89	2.89	2.89	2.89	3.09	3.09	3.09	3.09
		S/T	0.68	0.75	0.82	0.88	0.57	0.63	0.69	0.75	0.51	0.57	0.63	0.69	0.39	0.44	0.50	0.56
		PI	0.55	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	20	TC	2.62	2.61	2.61	2.61	2.78	2.78	2.78	2.78	2.87	2.87	2.87	2.87	3.07	3.07	3.07	3.07
		S/T	0.68	0.75	0.82	0.88	0.57	0.63	0.69	0.75	0.51	0.57	0.63	0.69	0.39	0.44	0.50	0.56
		PI	0.57	0.58	0.58	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
	25	TC	2.49	2.49	2.49	2.49	2.52	2.67	2.67	2.67	2.72	2.72	2.72	2.72	2.95	2.95	2.95	2.95
		S/T	0.69	0.76	0.83	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
	30	TC	2.38	2.38	2.38	2.41	2.52	2.52	2.52	2.52	2.61	2.61	2.61	2.61	2.81	2.81	2.81	2.81
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		PI	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
	35	TC	2.26	2.26	2.26	2.29	2.41	2.41	2.41	2.41	2.49	2.49	2.49	2.49	2.67	2.67	2.67	2.67
		S/T	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
	40	TC	2.13	2.13	2.14	2.17	2.26	2.26	2.26	2.26	2.34	2.34	2.34	2.34	2.51	2.51	2.51	2.51
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85
	46	TC	1.97	1.97	2.00	2.03	2.08	2.08	2.08	2.08	2.17	2.17	2.17	2.17	2.34	2.34	2.34	2.34
		S/T	0.72	0.81	0.89	0.97	0.58	0.66	0.75	0.83	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.95
	50	TC	1.86	1.86	1.88	1.91	1.97	1.97	1.97	1.97	2.03	2.03	2.03	2.03	2.20	2.20	2.20	2.20
		S/T	0.73	0.83	0.91	1.00	0.59	0.67	0.76	0.85	0.52	0.60	0.69	0.77	0.36	0.44	0.51	0.59
		PI	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
333	-15	TC	2.83	2.83	2.83	2.86	2.95	2.95	2.95	2.95	3.03	3.03	3.03	3.03	3.23	3.23	3.23	3.23
		S/T	0.69	0.77	0.98	1.00	0.56	0.64	0.70	0.78	0.49	0.57	0.65	0.71	0.36	0.42	0.49	0.56
		PI	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
	-10	TC	2.81	2.81	2.81	2.84	2.94	2.94	2.94	2.94	3.01	3.01	3.01	3.01	3.22	3.22	3.22	3.22
		S/T	0.69	0.78	0.99	1.00	0.56	0.64	0.71	0.79	0.49	0.57	0.65	0.72	0.36	0.43	0.49	0.56
		PI	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
	-5	TC	2.79	2.79	2.79	2.82	2.92	2.92	2.92	2.92	3.00	3.00	3.00	3.00	3.21	3.21	3.21	3.21
		S/T	0.69	0.78	0.99	1.00	0.57	0.64	0.71	0.79	0.50	0.58	0.65	0.72	0.36	0.43	0.50	0.57
		PI	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
	0	TC	2.78	2.78	2.78	2.81	2.91	2.91	2.91	2.91	2.99	2.99	2.99	2.99	3.21	3.21	3.21	3.21
		S/T	0.70	0.78	1.00	1.00	0.57	0.65	0.72	0.79	0.50	0.58	0.66	0.73	0.36	0.43	0.50	0.57
		PI	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55
	5	TC	2.76	2.76	2.76	2.79	2.90	2.90	2.90	2.90	2.98	2.98	2.98	2.98	3.20	3.20	3.20	3.20
		S/T	0.70	0.79	1.00	1.00	0.57	0.65	0.72	0.80	0.50	0.58	0.66	0.73	0.36	0.43	0.50	0.57
		PI	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	10	TC	2.75	2.75	2.75	2.78	2.89	2.89	2.89	2.89	2.97	2.97	2.97	2.97	3.19	3.19	3.19	3.19
		S/T	0.70	0.79	1.00	1.00	0.57	0.65	0.72	0.80	0.50	0.58	0.66	0.73	0.37	0.44	0.50	0.57
		PI	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56
	15	TC	2.73	2.73	2.73	2.75	2.87	2.87	2.87	2.87	2.95	2.95	2.95	2.95	3.18	3.18	3.18	3.18
		S/T	0.71	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
	20	TC	2.70	2.70	2.70	2.72	2.84	2.84	2.84	2.84	2.92	2.92	2.92	2.92	3.15	3.15	3.15	3.15
		S/T	0.71	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
	25	TC	2.55	2.55	2.58	2.61	2.72	2.72	2.72	2.72	2.81	2.81	2.81	2.81	3.01	3.01	3.01	

FLUSSO D'ARIA INTERNO (CMH)	ESTERNO DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
435	-15	TC	2.89	2.89	2.92	2.95	3.01	3.01	3.01	3.04	3.09	3.09	3.09	3.09	3.29	3.29	3.29	3.29
		S/T	0.73	0.84	1.00	1.00	0.58	0.68	0.77	0.98	0.50	0.60	0.70	0.79	0.34	0.42	0.51	0.60
		PI	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	-10	TC	2.87	2.87	2.90	2.93	2.99	2.99	2.99	3.02	3.07	3.07	3.07	3.07	3.28	3.28	3.28	3.28
		S/T	0.74	0.84	1.00	1.00	0.58	0.68	0.78	0.98	0.50	0.60	0.70	0.80	0.34	0.43	0.51	0.60
		PI	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	-5	TC	2.85	2.85	2.88	2.91	2.98	2.98	2.98	3.01	3.06	3.06	3.06	3.06	3.27	3.27	3.27	3.27
		S/T	0.74	0.85	1.00	1.00	0.59	0.68	0.78	0.99	0.51	0.60	0.70	0.80	0.34	0.43	0.52	0.60
		PI	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	0	TC	2.84	2.84	2.87	2.90	2.97	2.97	2.97	3.00	3.05	3.05	3.05	3.05	3.26	3.26	3.26	3.26
		S/T	0.74	0.85	1.00	1.00	0.59	0.69	0.78	0.99	0.51	0.61	0.71	0.80	0.34	0.43	0.52	0.61
		PI	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	5	TC	2.82	2.82	2.85	2.88	2.96	2.96	2.96	2.99	3.04	3.04	3.04	3.04	3.26	3.26	3.26	3.26
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	1.00	0.51	0.61	0.71	0.81	0.34	0.43	0.52	0.61
		PI	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
	10	TC	2.81	2.81	2.84	2.87	2.95	2.95	2.95	2.98	3.03	3.03	3.03	3.03	3.25	3.25	3.25	3.25
		S/T	0.75	0.86	1.00	1.00	0.59	0.69	0.79	1.00	0.51	0.61	0.71	0.81	0.35	0.44	0.52	0.61
		PI	0.57	0.57	0.57	0.57	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57
	15	TC	2.78	2.78	2.81	2.84	2.93	2.93	2.93	2.96	3.01	3.01	3.01	3.01	3.24	3.24	3.24	3.24
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
	20	TC	2.75	2.75	2.78	2.81	2.90	2.90	2.90	2.92	2.98	2.98	2.98	2.98	3.21	3.21	3.21	3.21
		S/T	0.76	0.87	0.97	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
	25	TC	2.61	2.64	2.67	2.70	2.78	2.78	2.78	2.81	2.87	2.87	2.87	2.87	3.07	3.07	3.07	3.07
		S/T	0.78	0.89	0.99	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.83	0.34	0.44	0.53	0.63
		PI	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
	30	TC	2.49	2.52	2.55	2.58	2.64	2.64	2.64	2.67	2.72	2.72	2.72	2.72	2.95	2.95	2.95	2.95
		S/T	0.79	0.90	1.00	1.00	0.61	0.72	0.84	0.94	0.53	0.64	0.75	0.85	0.34	0.44	0.54	0.64
		PI	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
	35	TC	2.38	2.41	2.44	2.47	2.52	2.52	2.52	2.55	2.61	2.61	2.64	2.61	2.81	2.81	2.81	2.81
		S/T	0.81	0.92	1.00	1.00	0.62	0.74	0.85	0.96	0.54	0.65	0.75	0.87	0.34	0.44	0.55	0.65
		PI	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
	40	TC	2.23	2.26	2.29	2.31	2.37	2.37	2.38	2.41	2.44	2.44	2.46	2.46	2.64	2.64	2.64	2.64
		S/T	0.84	0.97	1.00	1.00	0.64	0.76	0.89	1.00	0.54	0.67	0.79	0.91	0.33	0.45	0.56	0.90
		PI	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
	46	TC	2.06	2.09	2.11	2.14	2.20	2.20	2.23	2.26	2.26	2.26	2.26	2.29	2.46	2.46	2.46	2.46
		S/T	0.85	0.99	1.00	1.00	0.65	0.78	0.90	1.00	0.55	0.68	0.81	0.93	0.33	0.45	0.57	0.92
		PI	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
	50	TC	1.94	1.97	2.00	2.03	2.06	2.06	2.09	2.11	2.14	2.14	2.14	2.17	2.31	2.31	2.31	2.31
		S/T	0.88	1.00	1.00	1.00	0.66	0.80	0.94	1.00	0.56	0.69	0.83	0.96	0.33	0.45	0.58	0.97
		PI	1.05	1.05	1.05	1.05	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.07	1.07	1.07	1.07

TC: Capacità di raffreddamento totale (kW)

S/T: Rapporto di capacità di raffreddamento sensibile

PI: Input di potenza (kW)

Nota: La tabella mostra il caso in cui la frequenza di funzionamento di un compressore è fissa.

FLUSSO D'ARIA INTERNO (CMH)	ESTERNO DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
310	-15	TC	3.71	3.72	3.72	3.72	3.90	3.96	3.96	3.96	4.00	4.00	4.00	4.00	4.25	4.25	4.25	4.25
		S/T	0.66	0.71	0.76	0.82	0.55	0.60	0.66	0.71	0.50	0.55	0.61	0.66	0.39	0.43	0.48	0.53
		PI	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	-10	TC	3.68	3.70	3.70	3.70	3.87	3.93	3.93	3.93	3.98	3.98	3.98	3.98	4.23	4.23	4.23	4.23
		S/T	0.66	0.72	0.77	0.82	0.55	0.61	0.66	0.72	0.50	0.55	0.61	0.66	0.39	0.44	0.49	0.53
		PI	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87
	-5	TC	3.66	3.67	3.67	3.67	3.86	3.92	3.92	3.92	3.96	3.96	3.96	3.96	4.22	4.22	4.22	4.22
		S/T	0.66	0.72	0.77	0.83	0.56	0.61	0.66	0.72	0.51	0.56	0.61	0.66	0.39	0.44	0.49	0.54
		PI	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87
	0	TC	3.64	3.66	3.66	3.66	3.85	3.91	3.91	3.91	3.95	3.95	3.95	3.95	4.22	4.22	4.22	4.22
		S/T	0.67	0.73	0.77	0.83	0.56	0.61	0.67	0.73	0.51	0.56	0.62	0.67	0.39	0.44	0.49	0.54
		PI	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	5	TC	3.62	3.64	3.64	3.64	3.83	3.89	3.89	3.89	3.94	3.94	3.94	3.94	4.21	4.21	4.21	4.21
		S/T	0.67	0.73	0.78	0.84	0.56	0.62	0.67	0.73	0.51	0.56	0.62	0.67	0.39	0.44	0.49	0.54
		PI	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
	10	TC	3.60	3.61	3.61	3.61	3.81	3.87	3.87	3.87	3.92	3.92	3.92	3.92	4.20	4.20	4.20	4.20
		S/T	0.67	0.73	0.78	0.84	0.56	0.62	0.67	0.73	0.51	0.56	0.62	0.67	0.40	0.45	0.50	0.54
		PI	0.90	0.89	0.89	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
	15	TC	3.57	3.59	3.59	3.59	3.79	3.85	3.85	3.85	3.90	3.90	3.90	3.90	4.19	4.19	4.19	4.19
		S/T	0.68	0.74	0.79	0.85	0.57	0.62	0.68	0.74	0.52	0.57	0.63	0.68	0.40	0.45	0.50	0.55
		PI	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
	20	TC	3.53	3.54	3.54	3.54	3.75	3.75	3.75	3.75	3.86	3.86	3.86	3.86	4.15	4.15	4.15	4.15
		S/T	0.68	0.74	0.79	0.85	0.57	0.63	0.68	0.74	0.52	0.57	0.63	0.68	0.40	0.45	0.50	0.55
		PI	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
	25	TC	3.37	3.37	3.37	3.37	3.57	3.57	3.57	3.57	3.69	3.69	3.69	3.69	3.98	3.98	3.98	3.98
		S/T	0.68	0.74	0.80	0.86	0.57	0.63	0.68	0.74	0.52	0.57	0.63	0.69	0.40	0.45	0.50	0.55
		PI	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
	30	TC	3.20	3.20	3.20	3.20	3.43	3.43	3.43	3.43	3.52	3.52	3.52	3.52	3.80	3.80	3.80	3.80
		S/T	0.68	0.75	0.81	0.88	0.57	0.63	0.69	0.75	0.51	0.57	0.63	0.69	0.39	0.44	0.50	0.55
		PI	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
	35	TC	3.05	3.05	3.05	3.08	3.26	3.26	3.26	3.26	3.34	3.34	3.34	3.34	3.60	3.60	3.60	3.60
		S/T	0.69	0.76	0.82	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	1.25	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.27	1.27	1.27	1.27
	40	TC	2.89	2.89	2.89	2.92	3.09	3.09	3.09	3.09	3.18	3.18	3.21	3.18	3.43	3.43	3.43	3.43
		S/T	0.70	0.77	0.85	0.92	0.57	0.64	0.71	0.78	0.51	0.58	0.65	0.72	0.38	0.44	0.50	0.56
		PI	1.38	1.38	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40
	46	TC	2.67	2.67	2.67	2.70	2.87	2.87	2.87	2.87	2.96	2.96	2.96	2.96	3.19	3.19	3.19	3.19
		S/T	0.70	0.78	0.86	0.94	0.57	0.65	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.56	1.56	1.56	1.56
	50	TC	2.53	2.53	2.53	2.55	2.70	2.70	2.70	2.70	2.79	2.79	2.79	2.79	3.02	3.02	3.02	3.02
		S/T	0.71	0.80	0.88	0.96	0.58	0.65	0.73	0.81	0.51	0.59	0.66	0.74	0.37	0.44	0.51	0.58
		PI	1.66	1.66	1.66	1.66	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.69	1.69	1.69	1.69
430	-15	TC	3.78	3.78	3.78	3.81	3.96	3.96	3.96	3.96	4.06	4.06	4.06	4.06	4.31	4.31	4.31	4.31
		S/T	0.69	0.76	0.98	1.00	0.56	0.63	0.70	0.77	0.49	0.57	0.64	0.70	0.36	0.42	0.49	0.55
		PI	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
	-10	TC	3.76	3.76	3.76	3.79	3.93	3.93	3.93	3.93	4.04	4.04	4.04	4.04	4.29	4.29	4.29	4.29
		S/T	0.69	0.77	0.99	1.00	0.56	0.63	0.71	0.78	0.49	0.57	0.64	0.71	0.36	0.43	0.49	0.55
		PI	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
	-5	TC	3.73	3.73	3.73	3.76	3.92	3.92	3.92	3.92	4.02	4.02	4.02	4.02	4.28	4.28	4.28	4.28
		S/T	0.69	0.77	0.99	1.00	0.57	0.63	0.71	0.78	0.50	0.58	0.64	0.71	0.36	0.43	0.50	0.56
		PI	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
	0	TC	3.72	3.72	3.72	3.75	3.91	3.91	3.91	3.91	4.01	4.01	4.01	4.01	4.28	4.28	4.28	4.28
		S/T	0.70	0.77	1.00	1.00	0.57	0.64	0.72	0.78	0.50	0.58	0.65	0.72	0.36	0.43	0.50	0.56
		PI	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89
	5	TC	3.70	3.70	3.70	3.73	3.89	3.89	3.89	3.89	4.00	4.00	4.00	4.00	4.27	4.27	4.27	4.27
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.72	0.36	0.43	0.50	0.56
		PI	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
	10	TC	3.67	3.67	3.67	3.70	3.87	3.87	3.87	3.87	3.98	3.98	3.98	3.98	4.26	4.26	4.26	4.26
		S/T	0.70	0.78	1.00	1.00	0.57	0.64	0.72	0.79	0.50	0.58	0.65	0.72	0.37	0.44	0.50	0.56
		PI	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91
	15	TC	3.64	3.64	3.64	3.67	3.85	3.85	3.85	3.85	3.96	3.96	3.96	3.96	4.25	4.25	4.25	4.25
		S/T	0.71	0.79	0.87	0.95	0.58	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.51	0.57
		PI	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93
	20	TC	3.60	3.60	3.60	3.63	3.81	3.81	3.81	3.81	3.92	3.92	3.92	3.92	4.21	4.21	4.21	4.21
		S/T	0.71	0.79	0.87	0.95	0.58	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.51	0.57
		PI	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	25	TC	3.43	3.43	3.43	3.46	3.63	3.63										

FLUSSO D'ARIA INTERNO (CMH)	ESTERNO DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
			TC	S/T	PI		TC	S/T	PI		TC	S/T	PI		TC	S/T	PI	
530	-15	TC	3.84	3.84	3.87	3.90	4.02	4.02	4.02	4.02	4.12	4.12	4.12	4.12	4.40	4.40	4.40	4.40
		S/T	0.71	0.81	1.00	1.00	0.57	0.66	0.75	0.98	0.50	0.59	0.68	0.76	0.34	0.42	0.50	0.58
		PI	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
	-10	TC	3.82	3.82	3.85	3.88	3.99	3.99	3.99	3.99	4.10	4.10	4.10	4.10	4.38	4.38	4.38	4.38
		S/T	0.72	0.82	1.00	1.00	0.57	0.66	0.76	0.98	0.50	0.59	0.68	0.77	0.34	0.43	0.50	0.58
		PI	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92
	-5	TC	3.79	3.79	3.82	3.85	3.98	3.98	3.98	3.98	4.08	4.08	4.08	4.08	4.37	4.37	4.37	4.37
		S/T	0.72	0.82	1.00	1.00	0.58	0.66	0.76	0.99	0.51	0.59	0.68	0.77	0.34	0.43	0.51	0.59
		PI	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92
	0	TC	3.77	3.77	3.80	3.83	3.96	3.96	3.96	3.96	4.07	4.07	4.07	4.07	4.37	4.37	4.37	4.37
		S/T	0.73	0.82	1.00	1.00	0.58	0.67	0.76	0.99	0.51	0.60	0.69	0.77	0.34	0.43	0.51	0.59
		PI	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92
	5	TC	3.76	3.76	3.79	3.82	3.95	3.95	3.95	3.95	4.06	4.06	4.06	4.06	4.36	4.36	4.36	4.36
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.77	1.00	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.59
		PI	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.93	0.93	0.93	0.93
	10	TC	3.73	3.73	3.76	3.79	3.93	3.93	3.93	3.93	4.04	4.04	4.04	4.04	4.35	4.35	4.35	4.35
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.77	1.00	0.51	0.60	0.69	0.78	0.35	0.44	0.51	0.59
		PI	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94
	15	TC	3.70	3.70	3.73	3.76	3.90	3.90	3.90	3.90	4.02	4.02	4.02	4.02	4.33	4.33	4.33	4.33
		S/T	0.74	0.84	0.94	1.00	0.59	0.68	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.60
		PI	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	20	TC	3.66	3.66	3.69	3.72	3.86	3.86	3.86	3.86	3.98	3.98	3.98	3.98	4.30	4.30	4.30	4.30
		S/T	0.74	0.84	0.94	1.00	0.59	0.68	0.78	0.87	0.52	0.61	0.70	0.79	0.35	0.44	0.52	0.60
		PI	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
	25	TC	3.49	3.49	3.52	3.55	3.69	3.69	3.69	3.72	3.81	3.81	3.81	3.81	4.09	4.09	4.09	4.09
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	30	TC	3.32	3.32	3.34	3.37	3.55	3.55	3.55	3.57	3.63	3.63	3.63	3.63	3.92	3.92	3.92	3.92
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21
	35	TC	3.14	3.17	3.20	3.23	3.37	3.37	3.37	3.40	3.46	3.46	3.52	3.46	3.75	3.75	3.75	3.75
		S/T	0.78	0.89	1.00	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.53	0.63
		PI	1.31	1.31	1.31	1.31	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.33	1.33	1.33	1.33
	40	TC	2.92	2.95	2.98	3.01	3.14	3.14	3.14	3.17	3.22	3.22	3.25	3.24	3.50	3.50	3.50	3.50
		S/T	0.81	0.93	1.00	1.00	0.62	0.74	0.86	0.97	0.54	0.65	0.76	0.87	0.34	0.44	0.55	0.90
		PI	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.46	1.46	1.46	1.46
	46	TC	2.71	2.73	2.76	2.79	2.90	2.90	2.90	2.93	2.99	2.99	2.99	3.02	3.25	3.25	3.25	3.25
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.87	0.99	0.54	0.66	0.78	0.89	0.34	0.44	0.55	0.92
		PI	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.62	1.62	1.62	1.62	1.63	1.63	1.63	1.63
	50	TC	2.56	2.59	2.62	2.65	2.73	2.73	2.76	2.79	2.82	2.82	2.82	2.85	3.05	3.05	3.05	3.05
		S/T	0.85	0.98	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.80	0.92	0.33	0.45	0.56	0.97
		PI	1.74	1.74	1.74	1.74	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.77	1.77	1.77	1.77

TC: Capacità di raffreddamento totale (kW)

S/T: Rapporto di capacità di raffreddamento sensibile

PI: Input di potenza (kW)

Nota: La tabella mostra il caso in cui la frequenza di funzionamento di un compressore è fissa.

FLUSSO D'ARIA INTERNO (CMH)	ESTERNO DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
540	-15	TC	5.50	5.50	5.50	5.56	5.78	5.90	5.90	5.90	5.93	5.93	5.93	5.93	6.28	6.28	6.28	6.28
		S/T	0.67	0.73	0.80	0.86	0.55	0.61	0.68	0.73	0.49	0.56	0.62	0.68	0.37	0.42	0.48	0.54
		PI	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
	-10	TC	5.46	5.47	5.47	5.53	5.75	5.87	5.87	5.87	5.90	5.90	5.90	5.90	6.25	6.25	6.25	6.25
		S/T	0.67	0.74	0.81	0.86	0.55	0.62	0.68	0.74	0.49	0.56	0.62	0.68	0.37	0.43	0.49	0.54
		PI	1.03	1.02	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
	-5	TC	5.43	5.43	5.43	5.49	5.73	5.85	5.85	5.85	5.88	5.88	5.88	5.88	6.24	6.24	6.24	6.24
		S/T	0.67	0.74	0.81	0.87	0.56	0.62	0.68	0.74	0.50	0.57	0.62	0.68	0.37	0.43	0.49	0.55
		PI	1.03	1.02	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
	0	TC	5.40	5.41	5.41	5.47	5.71	5.83	5.83	5.83	5.87	5.87	5.87	5.87	6.23	6.23	6.23	6.23
		S/T	0.68	0.74	0.81	0.87	0.56	0.62	0.69	0.74	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		PI	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
	5	TC	5.38	5.38	5.38	5.44	5.68	5.80	5.80	5.80	5.85	5.85	5.85	5.85	6.23	6.23	6.23	6.23
		S/T	0.68	0.75	0.82	0.88	0.56	0.62	0.69	0.75	0.50	0.57	0.63	0.69	0.37	0.43	0.49	0.55
		PI	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
	10	TC	5.34	5.35	5.35	5.41	5.66	5.78	5.78	5.78	5.82	5.82	5.82	5.82	6.21	6.21	6.21	6.21
		S/T	0.68	0.75	0.82	0.88	0.56	0.63	0.69	0.75	0.50	0.57	0.63	0.69	0.38	0.44	0.50	0.55
		PI	1.06	1.05	1.05	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05
	15	TC	5.30	5.30	5.30	5.36	5.62	5.74	5.74	5.74	5.79	5.79	5.79	5.79	6.19	6.19	6.19	6.19
		S/T	0.69	0.76	0.83	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
	20	TC	5.24	5.24	5.24	5.30	5.56	5.56	5.56	5.56	5.73	5.73	5.73	5.73	6.13	6.13	6.13	6.13
		S/T	0.69	0.76	0.83	0.89	0.57	0.63	0.70	0.76	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.11
	25	TC	4.99	4.99	4.99	5.04	5.30	5.30	5.30	5.30	5.47	5.47	5.47	5.47	5.87	5.87	5.87	5.87
		S/T	0.69	0.77	0.84	0.91	0.57	0.64	0.71	0.77	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		PI	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
	30	TC	4.76	4.76	4.76	4.81	5.07	5.07	5.07	5.07	5.22	5.22	5.22	5.22	5.62	5.62	5.62	5.62
		S/T	0.70	0.78	0.85	0.92	0.57	0.64	0.71	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.36	1.36	1.36	1.36
	35	TC	4.53	4.53	4.53	4.59	4.81	4.81	4.81	4.81	4.96	4.96	5.04	4.96	5.36	5.36	5.36	5.36
		S/T	0.71	0.79	0.87	0.94	0.57	0.65	0.72	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57
		PI	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.49	1.49	1.49	1.49	1.50	1.50	1.50	1.50
	40	TC	4.28	4.28	4.29	4.34	4.55	4.55	4.55	4.55	4.70	4.70	4.74	4.70	5.07	5.07	5.07	5.07
		S/T	0.72	0.81	0.89	0.98	0.58	0.66	0.75	0.83	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66
	46	TC	3.97	3.97	4.00	4.02	4.22	4.22	4.22	4.22	4.37	4.37	4.37	4.37	4.71	4.71	4.71	4.71
		S/T	0.73	0.82	0.91	1.00	0.58	0.67	0.76	0.84	0.52	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85
	50	TC	3.71	3.71	3.74	3.77	3.97	3.97	3.97	3.97	4.11	4.11	4.11	4.11	4.45	4.45	4.45	4.45
		S/T	0.74	0.84	0.94	1.00	0.59	0.68	0.77	0.86	0.52	0.61	0.69	0.78	0.36	0.44	0.52	0.60
		PI	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	2.01	2.01	2.01	2.01
680	-15	TC	5.62	5.62	5.68	5.74	5.90	5.90	5.90	5.90	6.06	6.06	6.06	6.06	6.43	6.43	6.43	6.43
		S/T	0.70	0.77	0.98	1.00	0.56	0.64	0.71	0.79	0.49	0.57	0.65	0.72	0.35	0.42	0.49	0.56
		PI	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.04	1.04	1.04	1.04
	-10	TC	5.59	5.59	5.65	5.71	5.87	5.87	5.87	5.87	6.03	6.03	6.03	6.03	6.40	6.40	6.40	6.40
		S/T	0.70	0.78	0.99	1.00	0.56	0.64	0.72	0.80	0.49	0.57	0.65	0.73	0.35	0.43	0.49	0.56
		PI	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
	-5	TC	5.56	5.56	5.62	5.67	5.85	5.85	5.85	5.85	6.00	6.00	6.00	6.00	6.39	6.39	6.39	6.39
		S/T	0.70	0.78	0.99	1.00	0.57	0.64	0.72	0.80	0.50	0.58	0.65	0.73	0.35	0.43	0.50	0.57
		PI	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
	0	TC	5.53	5.53	5.59	5.65	5.83	5.83	5.83	5.83	5.99	5.99	5.99	5.99	6.38	6.38	6.38	6.38
		S/T	0.71	0.78	1.00	1.00	0.57	0.65	0.73	0.80	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
	5	TC	5.50	5.50	5.56	5.62	5.80	5.80	5.80	5.80	5.97	5.97	5.97	5.97	6.38	6.38	6.38	6.38
		S/T	0.71	0.79	1.00	1.00	0.57	0.65	0.73	0.81	0.50	0.58	0.66	0.74	0.35	0.43	0.50	0.57
		PI	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
	10	TC	5.47	5.47	5.53	5.58	5.78	5.78	5.78	5.78	5.94	5.94	5.94	5.94	6.36	6.36	6.36	6.36
		S/T	0.71	0.79	1.00	1.00	0.57	0.65	0.73	0.81	0.50	0.58	0.66	0.74	0.36	0.44	0.50	0.57
		PI	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07
	15	TC	5.42	5.42	5.48	5.54	5.74	5.74	5.74	5.74	5.91	5.91	5.91	5.91	6.33	6.33	6.33	6.33
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	20	TC	5.36	5.36	5.42	5.48	5.68	5.68	5.68	5.68	5.85	5.85	5.85	5.85	6.28	6.28	6.28	6.28
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.74	0.82	0.51	0.59	0.67	0.75	0.36	0.44	0.51	0.58
		PI	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13
	25	TC	5.10	5.10	5.16	5.22	5.42	5.42										

FLUSSO D'ARIA INTERNO (CMH)	ESTERNO DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
840	-15	TC	5.74	5.74	5.80	5.86	6.05	6.05	6.05	6.11	6.20	6.20	6.20	6.20	6.57	6.57	6.57	6.57
		S/T	0.73	0.83	1.00	1.00	0.58	0.67	0.76	0.98	0.50	0.60	0.69	0.77	0.34	0.42	0.50	0.59
		PI	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
	-10	TC	5.71	5.71	5.77	5.83	6.02	6.02	6.02	6.08	6.17	6.17	6.17	6.17	6.55	6.55	6.55	6.55
		S/T	0.74	0.83	1.00	1.00	0.58	0.67	0.77	0.98	0.50	0.60	0.69	0.78	0.34	0.43	0.50	0.59
		PI	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
	-5	TC	5.67	5.67	5.73	5.79	6.00	6.00	6.00	6.06	6.15	6.15	6.15	6.15	6.53	6.53	6.53	6.53
		S/T	0.74	0.84	1.00	1.00	0.59	0.67	0.77	0.99	0.51	0.60	0.69	0.78	0.34	0.43	0.51	0.59
		PI	1.07	1.07	1.07	1.07	1.06	1.06	1.06	1.06	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
	0	TC	5.65	5.65	5.71	5.76	5.97	5.97	5.97	6.03	6.13	6.13	6.13	6.13	6.53	6.53	6.53	6.53
		S/T	0.74	0.84	1.00	1.00	0.59	0.68	0.77	0.99	0.51	0.61	0.70	0.78	0.34	0.43	0.51	0.60
		PI	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08
	5	TC	5.62	5.62	5.68	5.74	5.95	5.95	5.95	6.01	6.11	6.11	6.11	6.11	6.52	6.52	6.52	6.52
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	1.00	0.51	0.61	0.70	0.79	0.34	0.43	0.51	0.60
		PI	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09
	10	TC	5.58	5.58	5.64	5.70	5.92	5.92	5.92	5.98	6.09	6.09	6.09	6.09	6.51	6.51	6.51	6.51
		S/T	0.75	0.85	1.00	1.00	0.59	0.68	0.78	1.00	0.51	0.61	0.70	0.79	0.35	0.44	0.51	0.60
		PI	1.10	1.10	1.10	1.10	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	15	TC	5.54	5.54	5.60	5.65	5.88	5.88	5.88	5.94	6.05	6.05	6.05	6.05	6.48	6.48	6.48	6.48
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
	20	TC	5.48	5.48	5.53	5.59	5.82	5.82	5.82	5.88	5.99	5.99	5.99	5.99	6.42	6.42	6.42	6.42
		S/T	0.76	0.86	0.96	1.00	0.60	0.69	0.79	0.88	0.52	0.62	0.71	0.80	0.35	0.44	0.52	0.61
		PI	1.17	1.17	1.17	1.17	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
	25	TC	5.22	5.22	5.28	5.33	5.56	5.56	5.56	5.62	5.73	5.73	5.73	5.73	6.16	6.16	6.16	6.16
		S/T	0.77	0.88	0.98	1.00	0.60	0.70	0.80	0.90	0.52	0.62	0.72	0.82	0.35	0.44	0.53	0.62
		PI	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
	30	TC	4.99	5.05	5.10	5.16	5.30	5.30	5.30	5.36	5.45	5.45	5.45	5.45	5.88	5.88	5.88	5.88
		S/T	0.78	0.89	1.00	1.00	0.61	0.71	0.82	0.92	0.53	0.63	0.73	0.84	0.34	0.44	0.54	0.63
		PI	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.42	1.42	1.42	1.42
	35	TC	4.73	4.79	4.85	4.90	5.05	5.05	5.05	5.10	5.19	5.19	5.28	5.19	5.59	5.59	5.59	5.59
		S/T	0.80	0.91	1.00	1.00	0.62	0.73	0.84	0.94	0.53	0.64	0.74	0.86	0.34	0.44	0.54	0.64
		PI	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.56
	40	TC	4.39	4.43	4.47	4.52	4.68	4.68	4.71	4.77	4.82	4.82	4.87	4.85	5.21	5.21	5.21	5.21
		S/T	0.83	0.95	1.00	1.00	0.63	0.75	0.88	0.99	0.54	0.66	0.78	0.89	0.34	0.45	0.55	0.90
		PI	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.71	1.71	1.71	1.71	1.72	1.72	1.72	1.72
	46	TC	4.06	4.09	4.12	4.15	4.35	4.35	4.40	4.46	4.49	4.49	4.49	4.54	4.85	4.85	4.85	4.85
		S/T	0.84	0.97	1.00	1.00	0.64	0.77	0.89	1.00	0.55	0.67	0.79	0.91	0.33	0.45	0.56	0.92
		PI	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	1.92	1.92	1.92	1.92
	50	TC	3.81	3.84	3.87	3.89	4.06	4.06	4.09	4.12	4.20	4.20	4.20	4.23	4.57	4.57	4.57	4.57
		S/T	0.87	1.00	1.00	1.00	0.65	0.79	0.92	1.00	0.55	0.68	0.82	0.95	0.33	0.45	0.57	0.97
		PI	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.08	2.08	2.08	2.08

TC: Capacità di raffreddamento totale (kW)

S/T: Rapporto di capacità di raffreddamento sensibile

PI: Input di potenza (kW)

Nota: La tabella mostra il caso in cui la frequenza di funzionamento di un compressore è fissa.

FLUSSO D'ARIA INTERNO (CMH)	ESTERNO DB(°C)	ID WB (°C)	16.0				18.0				19.0				22.0			
		ID DB (°C)	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0	23.0	25.0	27.0	30.0
662	-15	TC	7.35	7.34	7.34	7.34	7.73	7.88	7.88	7.88	7.93	7.93	7.93	7.93	8.40	8.40	8.40	8.40
		S/T	0.66	0.71	0.78	0.84	0.55	0.61	0.67	0.72	0.50	0.55	0.61	0.67	0.38	0.43	0.48	0.53
		PI	1.73	1.74	1.74	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
	-10	TC	7.31	7.30	7.30	7.30	7.69	7.84	7.84	7.84	7.89	7.89	7.89	7.89	8.37	8.37	8.37	8.37
		S/T	0.66	0.72	0.79	0.84	0.55	0.61	0.67	0.73	0.50	0.55	0.61	0.67	0.38	0.44	0.49	0.53
		PI	1.73	1.73	1.73	1.73	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
	-5	TC	7.26	7.26	7.26	7.26	7.66	7.81	7.81	7.81	7.86	7.86	7.86	7.86	8.35	8.35	8.35	8.35
		S/T	0.66	0.72	0.79	0.85	0.56	0.61	0.67	0.73	0.51	0.56	0.61	0.67	0.38	0.44	0.49	0.54
		PI	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
	0	TC	7.23	7.22	7.22	7.22	7.63	7.78	7.78	7.78	7.84	7.84	7.84	7.84	8.34	8.34	8.34	8.34
		S/T	0.67	0.73	0.79	0.85	0.56	0.62	0.68	0.74	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		PI	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.74	1.74	1.74	1.74
	5	TC	7.19	7.18	7.18	7.18	7.60	7.75	7.75	7.75	7.82	7.82	7.82	7.82	8.34	8.34	8.34	8.34
		S/T	0.67	0.73	0.80	0.86	0.56	0.62	0.68	0.74	0.51	0.56	0.62	0.68	0.38	0.44	0.49	0.54
		PI	1.75	1.75	1.75	1.75	1.74	1.74	1.74	1.74	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
	10	TC	7.15	7.14	7.14	7.14	7.56	7.71	7.71	7.71	7.79	7.79	7.79	7.79	8.31	8.31	8.31	8.31
		S/T	0.67	0.73	0.80	0.86	0.56	0.62	0.68	0.74	0.51	0.56	0.62	0.68	0.39	0.45	0.50	0.54
		PI	1.78	1.78	1.78	1.78	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
	15	TC	7.09	7.08	7.08	7.08	7.51	7.66	7.66	7.66	7.74	7.74	7.74	7.74	8.28	8.28	8.28	8.28
		S/T	0.68	0.74	0.81	0.87	0.57	0.62	0.69	0.75	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		PI	1.82	1.82	1.82	1.82	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
	20	TC	7.01	7.00	7.00	7.00	7.43	7.43	7.43	7.43	7.66	7.66	7.66	7.66	8.21	8.21	8.21	8.21
		S/T	0.68	0.74	0.81	0.87	0.57	0.63	0.69	0.75	0.52	0.57	0.63	0.69	0.39	0.45	0.50	0.55
		PI	1.88	1.88	1.88	1.88	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.86	1.86	1.86	1.86
	25	TC	6.69	6.69	6.69	6.69	7.09	7.09	7.09	7.09	7.32	7.32	7.32	7.32	7.86	7.86	7.86	7.86
		S/T	0.68	0.75	0.82	0.88	0.57	0.63	0.69	0.76	0.51	0.57	0.63	0.70	0.39	0.44	0.50	0.56
		PI	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07
	30	TC	6.37	6.37	6.37	6.43	6.77	6.77	6.77	6.77	6.97	6.97	6.97	6.97	7.52	7.52	7.52	7.52
		S/T	0.69	0.76	0.83	0.90	0.57	0.63	0.70	0.77	0.51	0.58	0.64	0.70	0.38	0.44	0.50	0.56
		PI	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.29	2.29	2.29	2.29
	35	TC	6.06	6.06	6.06	6.11	6.43	6.43	6.43	6.43	6.63	6.63	6.63	6.63	7.17	7.17	7.17	7.17
		S/T	0.70	0.77	0.84	0.91	0.57	0.64	0.71	0.78	0.51	0.58	0.64	0.71	0.38	0.44	0.50	0.56
		PI	2.48	2.48	2.48	2.48	2.49	2.49	2.49	2.49	2.50	2.50	2.50	2.50	2.51	2.51	2.51	2.51
	40	TC	5.71	5.71	5.71	5.77	6.07	6.07	6.07	6.07	6.27	6.27	6.34	6.27	6.78	6.78	6.78	6.78
		S/T	0.71	0.79	0.87	0.95	0.57	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57
		PI	2.74	2.74	2.74	2.74	2.75	2.75	2.75	2.75	2.76	2.76	2.76	2.76	2.78	2.78	2.78	2.78
	46	TC	5.29	5.29	5.29	5.35	5.63	5.63	5.63	5.63	5.83	5.83	5.83	5.83	6.29	6.29	6.29	6.29
		S/T	0.72	0.80	0.88	0.96	0.58	0.66	0.73	0.81	0.51	0.59	0.67	0.74	0.37	0.44	0.51	0.58
		PI	3.05	3.05	3.05	3.05	3.06	3.06	3.06	3.06	3.07	3.07	3.07	3.07	3.10	3.10	3.10	3.10
	50	TC	4.94	4.94	5.00	5.06	5.29	5.29	5.29	5.29	5.49	5.49	5.49	5.49	5.95	5.95	5.95	5.95
		S/T	0.73	0.82	0.90	0.99	0.58	0.67	0.75	0.83	0.51	0.60	0.68	0.76	0.36	0.44	0.51	0.59
		PI	3.31	3.31	3.31	3.31	3.32	3.32	3.32	3.32	3.33	3.33	3.33	3.33	3.36	3.36	3.36	3.36
817	-15	TC	7.50	7.50	7.50	7.56	7.88	7.88	7.88	7.88	8.09	8.09	8.09	8.09	8.58	8.58	8.58	8.58
		S/T	0.68	0.75	0.98	1.00	0.55	0.62	0.70	0.76	0.49	0.56	0.63	0.70	0.36	0.42	0.48	0.55
		PI	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
	-10	TC	7.45	7.45	7.45	7.51	7.84	7.84	7.84	7.84	8.05	8.05	8.05	8.05	8.55	8.55	8.55	8.55
		S/T	0.68	0.76	0.99	1.00	0.55	0.62	0.70	0.77	0.49	0.56	0.63	0.70	0.36	0.43	0.49	0.55
		PI	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.75	1.75	1.75	1.75	1.76	1.76	1.76	1.76
	-5	TC	7.41	7.41	7.41	7.47	7.81	7.81	7.81	7.81	8.02	8.02	8.02	8.02	8.53	8.53	8.53	8.53
		S/T	0.68	0.76	0.99	1.00	0.56	0.62	0.70	0.77	0.50	0.57	0.63	0.70	0.36	0.43	0.49	0.56
		PI	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.75	1.75	1.75	1.75	1.77	1.77	1.77	1.77
	0	TC	7.37	7.37	7.37	7.43	7.78	7.78	7.78	7.78	7.99	7.99	7.99	7.99	8.52	8.52	8.52	8.52
		S/T	0.69	0.76	1.00	1.00	0.56	0.63	0.71	0.77	0.50	0.57	0.64	0.71	0.36	0.43	0.49	0.56
		PI	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.76	1.76	1.76	1.76	1.77	1.77	1.77	1.77
	5	TC	7.33	7.33	7.33	7.39	7.75	7.75	7.75	7.75	7.97	7.97	7.97	7.97	8.51	8.51	8.51	8.51
		S/T	0.69	0.77	1.00	1.00	0.56	0.63	0.71	0.78	0.50	0.57	0.64	0.71	0.36	0.43	0.49	0.56
		PI	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
	10	TC	7.29	7.29	7.29	7.35	7.71	7.71	7.71	7.71	7.93	7.93	7.93	7.93	8.49	8.49	8.49	8.49
		S/T	0.69	0.77	1.00	1.00	0.56	0.63	0.71	0.78	0.50	0.57	0.64	0.71	0.37	0.44	0.50	0.56
		PI	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.80	1.80	1.80	1.80	1.81	1.81	1.81	1.81
	15	TC	7.23	7.23	7.23	7.29	7.66	7.66	7.66	7.66	7.89	7.89	7.89	7.89	8.46	8.46	8.46	8.46
		S/T	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.86	1.86	1.86	1.86	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85
	20	TC	7.15	7.15	7.15	7.21	7.58	7.58	7.58	7.58	7.81	7.81	7.81	7.81	8.38	8.38	8.38	8.38
		S/T	0.70	0.78	0.85	0.93	0.57	0.64	0.72	0.79	0.51	0.58	0.65	0.72	0.37	0.44	0.50	0.57
		PI	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	25	TC	6.83	6.83	6.83	6.89	7.26	7.26	7.26	7.26	7.46	7.46	7.46	7.46	8.04	8.04	8.04	8.04
		S/T	0.71	0.79	0.87	0.94	0.57	0.65	0.73	0.80	0.51	0.59	0.66	0.73	0.37	0.44	0.50	0.57
		PI	2.12	2.12	2.12	2.12	2.11	2.11	2.11	2.11	2.11	2.1						

Riscaldamento

Clima X 9 mono

FLUSSO D'ARIA IN-TERNO (CMH)	PRESTAZIONI DI RISCALDAMENTO A TEMPERATURA INTERNA DI BULBO ASCIUTTO								
	ESTERNO DB(°C)	TC: CAPACITÀ TOTALE IN KILOWATT (KW)				PI: POTENZA TOTALE IN KILOWATT (KW)			
		Condizioni interne (DB °C)				Condizioni interne (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
259	-20.0	2.07	2.04	2.04	2.04	0.89	0.92	0.91	0.91
	-15.0	2.24	2.21	2.21	2.21	0.97	1.01	1.00	1.00
	-10.0	2.39	2.36	2.36	2.36	1.04	1.08	1.07	1.07
	-7.0	2.50	2.47	2.47	2.47	1.10	1.14	1.13	1.13
	-5.6	2.50	2.47	2.47	2.47	1.08	1.09	1.10	1.11
	-2.8	2.53	2.50	2.47	2.47	1.04	1.05	1.06	1.06
	0.0	2.50	2.47	2.44	2.44	1.00	1.01	1.01	1.02
	2.8	2.56	2.53	2.53	2.50	0.97	0.97	0.98	0.98
	5.6	2.70	2.68	2.68	2.65	0.93	0.94	0.95	0.95
	7.0	2.87	2.84	2.81	2.79	0.92	0.91	0.93	0.93
	11.1	2.96	2.93	2.90	2.87	0.87	0.87	0.87	0.87
	13.9	3.02	2.99	2.96	2.93	0.83	0.83	0.83	0.84
	16.7	3.10	3.05	3.02	2.99	0.79	0.79	0.80	0.80
	18.0	3.13	3.08	3.05	3.02	0.78	0.78	0.78	0.78
333	-20.0	2.10	2.07	2.05	2.05	0.90	0.93	0.92	0.93
	-15.0	2.27	2.24	2.22	2.22	0.98	1.02	1.01	1.02
	-10.0	2.42	2.40	2.37	2.37	1.05	1.09	1.08	1.09
	-7.0	2.54	2.51	2.48	2.48	1.11	1.16	1.14	1.15
	-5.6	2.56	2.53	2.50	2.50	1.09	1.11	1.11	1.12
	-2.8	2.56	2.53	2.53	2.50	1.05	1.06	1.07	1.08
	0.0	2.56	2.50	2.50	2.47	1.01	1.02	1.03	1.03
	2.8	2.62	2.59	2.56	2.56	0.98	0.99	0.99	1.00
	5.6	2.76	2.73	2.70	2.70	0.94	0.95	0.96	0.96
	7.0	2.93	2.90	2.87	2.84	0.93	0.92	0.94	0.94
	11.1	3.02	2.99	2.96	2.93	0.88	0.88	0.88	0.88
	13.9	3.08	3.05	3.02	2.99	0.84	0.84	0.84	0.84
	16.7	3.16	3.10	3.08	3.08	0.80	0.80	0.80	0.80
	18.0	3.19	3.13	3.13	3.10	0.78	0.78	0.78	0.78
435	-20.0	2.09	2.09	2.07	2.07	0.91	0.94	0.93	0.93
	-15.0	2.26	2.26	2.24	2.24	0.99	1.03	1.02	1.02
	-10.0	2.42	2.42	2.39	2.39	1.06	1.09	1.09	1.09
	-7.0	2.53	2.53	2.50	2.50	1.12	1.16	1.15	1.15
	-5.6	2.56	2.56	2.53	2.53	1.10	1.11	1.12	1.13
	-2.8	2.59	2.56	2.53	2.53	1.06	1.07	1.08	1.08
	0.0	2.56	2.53	2.53	2.50	1.02	1.03	1.03	1.04
	2.8	2.65	2.62	2.59	2.56	0.98	0.99	1.00	1.00
	5.6	2.79	2.76	2.73	2.73	0.95	0.96	0.97	0.97
	7.0	2.96	2.93	2.90	2.87	0.94	0.93	0.95	0.95
	11.1	3.05	3.02	2.99	2.96	0.89	0.89	0.89	0.90
	13.9	3.13	3.08	3.05	3.05	0.85	0.85	0.85	0.86
	16.7	3.19	3.13	3.13	3.10	0.81	0.81	0.82	0.82
	18.0	3.22	3.19	3.16	3.13	0.80	0.80	0.80	0.80

Nota: La tabella mostra il caso in cui la frequenza di funzionamento di un compressore è fissa.

FLUSSO D'ARIA IN-TERNO (CMH)	PRESTAZIONI DI RISCALDAMENTO A TEMPERATURA INTERNA DI BULBO ASCIUTTO								
	ESTERNO DB(°C)	TC: CAPACITÀ TOTALE IN KILOWATT (KW)				PI: POTENZA TOTALE IN KILOWATT (KW)			
		Condizioni interne (DB °C)				Condizioni interne (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
310	-20.0	2.14	2.09	2.09	2.07	0.82	0.84	0.86	0.86
	-15.0	2.31	2.26	2.26	2.24	0.89	0.92	0.94	0.94
	-10.0	2.47	2.41	2.41	2.39	0.95	0.98	1.00	1.01
	-7.0	2.59	2.53	2.53	2.50	1.01	1.04	1.06	1.07
	-5.6	2.70	2.65	2.65	2.62	1.01	1.05	1.06	1.08
	-2.8	2.82	2.79	2.76	2.73	1.03	1.06	1.08	1.10
	0.0	2.91	2.85	2.85	2.82	1.04	1.08	1.09	1.11
	2.8	3.11	3.05	3.02	3.02	1.07	1.11	1.12	1.14
	5.6	3.40	3.37	3.34	3.31	1.10	1.13	1.15	1.17
	7.0	3.73	3.69	3.58	3.58	1.11	1.17	1.17	1.19
	11.1	3.96	3.90	3.87	3.84	1.14	1.18	1.20	1.22
	13.9	4.16	4.10	4.07	4.04	1.16	1.20	1.22	1.24
	16.7	4.36	4.30	4.28	4.25	1.18	1.22	1.24	1.26
	18.0	4.45	4.39	4.36	4.33	1.19	1.23	1.25	1.27
430	-20.0	2.14	2.12	2.10	2.10	0.82	0.85	0.86	0.87
	-15.0	2.32	2.30	2.27	2.27	0.90	0.93	0.94	0.95
	-10.0	2.48	2.45	2.42	2.42	0.96	0.99	1.01	1.02
	-7.0	2.60	2.57	2.54	2.54	1.02	1.05	1.07	1.08
	-5.6	2.73	2.70	2.68	2.68	1.02	1.06	1.07	1.09
	-2.8	2.88	2.82	2.82	2.79	1.04	1.07	1.09	1.11
	0.0	2.97	2.91	2.91	2.88	1.05	1.09	1.10	1.12
	2.8	3.17	3.11	3.11	3.08	1.08	1.11	1.13	1.15
	5.6	3.49	3.43	3.40	3.40	1.11	1.14	1.16	1.18
	7.0	3.85	3.78	3.66	3.64	1.12	1.18	1.18	1.20
	11.1	4.04	3.98	3.98	3.96	1.15	1.19	1.21	1.23
	13.9	4.25	4.19	4.16	4.13	1.17	1.21	1.23	1.25
	16.7	4.48	4.39	4.36	4.33	1.19	1.23	1.25	1.27
	18.0	4.57	4.51	4.48	4.45	1.20	1.24	1.26	1.28
530	-20.0	2.16	2.14	2.12	2.12	0.83	0.86	0.87	0.88
	-15.0	2.34	2.31	2.29	2.29	0.91	0.94	0.95	0.96
	-10.0	2.50	2.47	2.44	2.44	0.97	1.00	1.02	1.03
	-7.0	2.62	2.59	2.56	2.56	1.03	1.06	1.08	1.09
	-5.6	2.76	2.73	2.70	2.70	1.03	1.07	1.08	1.10
	-2.8	2.88	2.85	2.82	2.82	1.05	1.08	1.10	1.12
	0.0	3.00	2.94	2.94	2.91	1.06	1.10	1.11	1.13
	2.8	3.20	3.14	3.11	3.11	1.09	1.12	1.14	1.16
	5.6	3.52	3.46	3.43	3.43	1.12	1.15	1.17	1.19
	7.0	3.87	3.81	3.69	3.66	1.13	1.19	1.19	1.21
	11.1	4.07	4.04	4.01	3.98	1.16	1.20	1.22	1.24
	13.9	4.30	4.25	4.22	4.19	1.18	1.22	1.24	1.26
	16.7	4.51	4.45	4.42	4.36	1.20	1.24	1.26	1.28
	18.0	4.60	4.54	4.51	4.48	1.21	1.25	1.27	1.29

Nota: La tabella mostra il caso in cui la frequenza di funzionamento di un compressore è fissa.

FLUSSO D'ARIA IN-TERNO (CMH)	PRESTAZIONI DI RISCALDAMENTO A TEMPERATURA INTERNA DI BULBO ASCIUTTO								
	ESTERNO DB(°C)	TC: CAPACITÀ TOTALE IN KILOWATT (KW)				PI: POTENZA TOTALE IN KILOWATT (KW)			
		Condizioni interne (DB °C)				Condizioni interne (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
540	-20.0	3.31	3.27	3.24	3.22	1.26	1.30	1.30	1.32
	-15.0	3.58	3.53	3.51	3.48	1.38	1.43	1.43	1.44
	-10.0	3.83	3.77	3.75	3.72	1.47	1.52	1.52	1.54
	-7.0	4.01	3.95	3.92	3.90	1.57	1.62	1.62	1.64
	-5.6	4.16	4.10	4.07	4.04	1.56	1.59	1.61	1.62
	-2.8	4.27	4.24	4.21	4.19	1.53	1.57	1.59	1.60
	0.0	4.36	4.33	4.30	4.27	1.51	1.55	1.56	1.58
	2.8	4.62	4.56	4.53	4.50	1.51	1.54	1.56	1.57
	5.6	5.03	4.97	4.94	4.91	1.50	1.54	1.55	1.57
	7.0	5.46	5.39	5.25	5.22	1.50	1.53	1.54	1.56
	11.1	5.74	5.66	5.63	5.57	1.48	1.51	1.52	1.54
	13.9	5.97	5.89	5.86	5.83	1.46	1.49	1.51	1.53
	16.7	6.24	6.15	6.09	6.06	1.45	1.48	1.50	1.51
	18.0	6.35	6.26	6.21	6.18	1.45	1.48	1.49	1.50
680	-20.0	3.38	3.33	3.31	3.29	1.28	1.32	1.32	1.34
	-15.0	3.66	3.61	3.58	3.56	1.40	1.44	1.44	1.46
	-10.0	3.91	3.85	3.82	3.80	1.49	1.54	1.54	1.56
	-7.0	4.09	4.04	4.01	3.98	1.59	1.63	1.64	1.66
	-5.6	4.24	4.19	4.16	4.13	1.57	1.61	1.62	1.64
	-2.8	4.39	4.33	4.30	4.27	1.55	1.59	1.60	1.62
	0.0	4.48	4.42	4.39	4.36	1.53	1.57	1.58	1.60
	2.8	4.71	4.65	4.62	4.59	1.53	1.56	1.58	1.59
	5.6	5.14	5.09	5.03	5.00	1.52	1.56	1.57	1.59
	7.0	5.57	5.51	5.37	5.34	1.51	1.55	1.56	1.58
	11.1	5.86	5.77	5.74	5.71	1.50	1.53	1.54	1.56
	13.9	6.12	6.03	5.97	5.95	1.49	1.52	1.53	1.55
	16.7	6.35	6.26	6.24	6.18	1.47	1.50	1.52	1.53
	18.0	6.50	6.41	6.35	6.29	1.47	1.50	1.51	1.53
840	-20.0	3.41	3.36	3.34	3.34	1.29	1.33	1.33	1.34
	-15.0	3.69	3.64	3.61	3.61	1.41	1.45	1.45	1.47
	-10.0	3.94	3.88	3.86	3.86	1.50	1.55	1.55	1.57
	-7.0	4.13	4.07	4.04	4.04	1.60	1.65	1.65	1.67
	-5.6	4.27	4.21	4.19	4.19	1.58	1.62	1.64	1.66
	-2.8	4.42	4.36	4.33	4.30	1.57	1.60	1.62	1.64
	0.0	4.50	4.45	4.42	4.39	1.55	1.58	1.60	1.62
	2.8	4.77	4.71	4.68	4.65	1.54	1.58	1.59	1.61
	5.6	5.20	5.12	5.09	5.06	1.54	1.57	1.59	1.61
	7.0	5.66	5.57	5.42	5.39	1.53	1.57	1.58	1.60
	11.1	5.92	5.83	5.80	5.77	1.52	1.55	1.57	1.58
	13.9	6.18	6.09	6.06	6.00	1.51	1.54	1.55	1.57
	16.7	6.44	6.35	6.29	6.26	1.49	1.53	1.54	1.56
	18.0	6.55	6.47	6.41	6.38	1.49	1.52	1.54	1.55

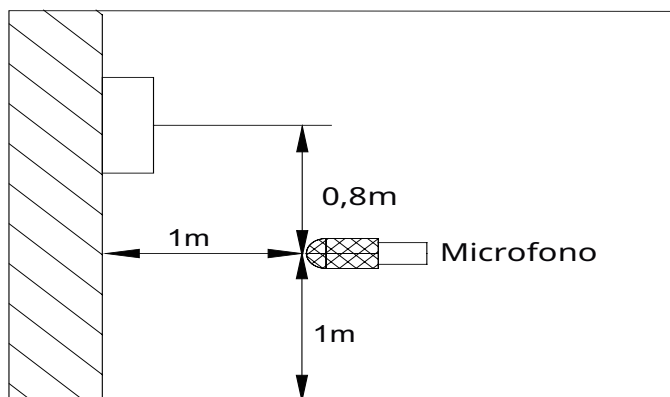
Nota: La tabella mostra il caso in cui la frequenza di funzionamento di un compressore è fissa.

FLUSSO D'ARIA INTERNO (CMH)	PRESTAZIONI DI RISCALDAMENTO A TEMPERATURA INTERNA DI BULBO ASCIUTTO								
	ESTERNO DB(°C)	TC: CAPACITÀ TOTALE IN KILOWATT (KW)				PI: POTENZA TOTALE IN KILOWATT (KW)			
		Condizioni interne (DB °C)				Condizioni interne (DB °C)			
		16.0	20.0	22.0	24.0	16.0	20.0	22.0	24.0
662	-20.0	4.89	4.84	4.82	4.79	2.25	2.33	2.30	2.32
	-15.0	5.29	5.24	5.21	5.19	2.46	2.54	2.52	2.53
	-10.0	5.65	5.59	5.57	5.54	2.62	2.71	2.69	2.70
	-7.0	5.92	5.86	5.83	5.80	2.78	2.88	2.85	2.87
	-5.6	6.00	5.95	5.92	5.89	2.73	2.77	2.79	2.81
	-2.8	6.09	6.00	5.98	5.95	2.63	2.67	2.69	2.71
	0.0	6.09	6.00	5.98	5.92	2.55	2.58	2.60	2.61
	2.8	6.30	6.21	6.18	6.12	2.48	2.51	2.52	2.53
	5.6	6.73	6.64	6.59	6.56	2.41	2.43	2.44	2.45
	7.0	7.19	7.10	6.98	6.92	2.37	2.36	2.41	2.42
	11.1	7.44	7.33	7.27	7.24	2.25	2.27	2.28	2.28
	13.9	7.65	7.53	7.50	7.44	2.17	2.18	2.19	2.19
	16.7	7.88	7.76	7.70	7.65	2.08	2.09	2.10	2.10
	18.0	7.96	7.85	7.79	7.73	2.04	2.05	2.05	2.06
817	-20.0	4.98	4.93	4.91	4.89	2.28	2.35	2.33	2.34
	-15.0	5.39	5.34	5.31	5.29	2.49	2.57	2.54	2.56
	-10.0	5.76	5.70	5.67	5.65	2.66	2.74	2.71	2.73
	-7.0	6.03	5.97	5.94	5.92	2.82	2.91	2.88	2.90
	-5.6	6.12	6.06	6.03	6.00	2.76	2.80	2.82	2.84
	-2.8	6.21	6.12	6.09	6.06	2.66	2.70	2.72	2.73
	0.0	6.21	6.12	6.09	6.06	2.57	2.61	2.62	2.63
	2.8	6.41	6.35	6.30	6.27	2.50	2.53	2.54	2.56
	5.6	6.88	6.79	6.73	6.67	2.43	2.45	2.46	2.48
	7.0	7.33	7.24	7.12	7.07	2.40	2.38	2.43	2.44
	11.1	7.59	7.47	7.44	7.39	2.27	2.29	2.29	2.30
	13.9	7.82	7.70	7.65	7.59	2.18	2.20	2.20	2.21
	16.7	8.02	7.91	7.85	7.79	2.10	2.11	2.11	2.11
	18.0	8.14	8.02	7.96	7.91	2.06	2.06	2.07	2.07
980	-20.0	5.03	4.98	4.96	4.94	2.29	2.37	2.35	2.37
	-15.0	5.45	5.39	5.37	5.34	2.51	2.60	2.57	2.59
	-10.0	5.81	5.76	5.73	5.71	2.68	2.77	2.74	2.76
	-7.0	6.09	6.03	6.01	5.98	2.84	2.94	2.91	2.93
	-5.6	6.18	6.12	6.09	6.06	2.79	2.83	2.85	2.86
	-2.8	6.27	6.21	6.15	6.12	2.69	2.72	2.74	2.76
	0.0	6.27	6.21	6.15	6.12	2.60	2.63	2.64	2.65
	2.8	6.50	6.41	6.38	6.32	2.52	2.55	2.57	2.58
	5.6	6.93	6.85	6.82	6.76	2.45	2.47	2.48	2.50
	7.0	7.42	7.33	7.21	7.15	2.42	2.40	2.45	2.46
	11.1	7.67	7.56	7.53	7.47	2.29	2.30	2.31	2.32
	13.9	7.91	7.79	7.73	7.67	2.20	2.21	2.22	2.23
	16.7	8.14	8.02	7.96	7.91	2.12	2.12	2.13	2.13
	18.0	8.22	8.11	8.05	7.99	2.07	2.08	2.08	2.09

Nota: La tabella mostra il caso in cui la frequenza di funzionamento di un compressore è fissa.

Curve di rumore

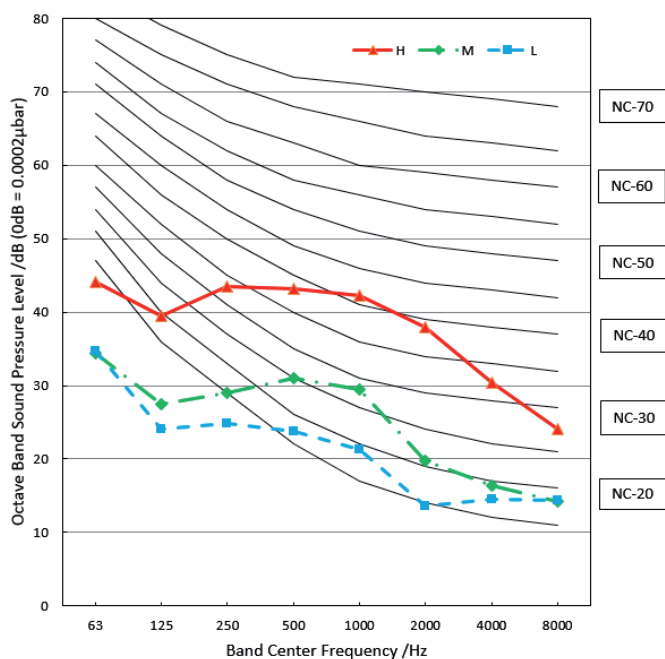
Unità interna



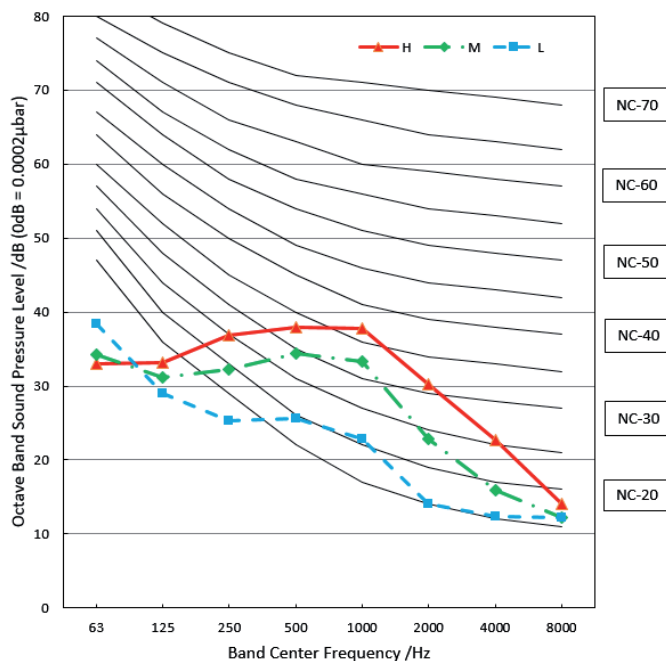
Note:

- Il suono è misurato a 1,0m di distanza dal centro dell'unità.
- I dati sono validi in condizioni di campo libero
- I dati sono validi in condizioni di funzionamento nominale
- Pressione acustica di riferimento $OdB = 20\mu Pa$
- Il livello sonoro varierà a seconda di una serie di fattori come la costruzione - (coefficiente di assorbimento acustico) di una particolare stanza in cui l'attrezzatura è installata.
- Le condizioni operative sono considerate standard.

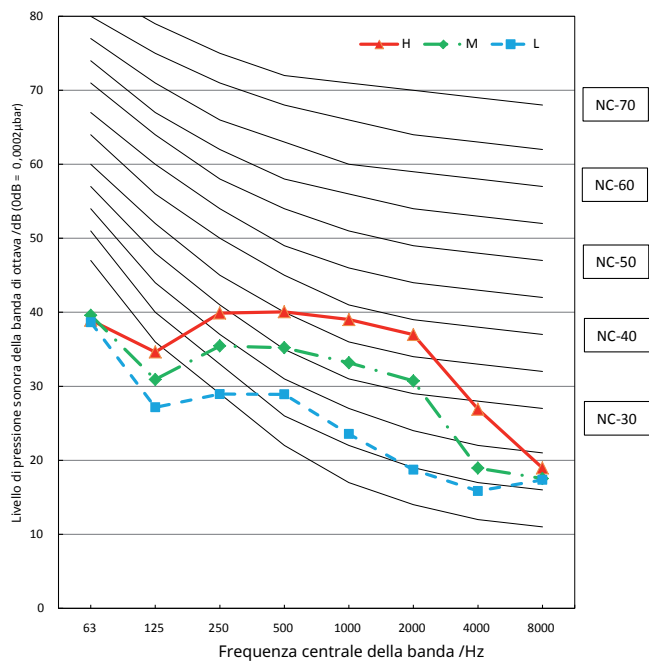
Clima X 9 mono int



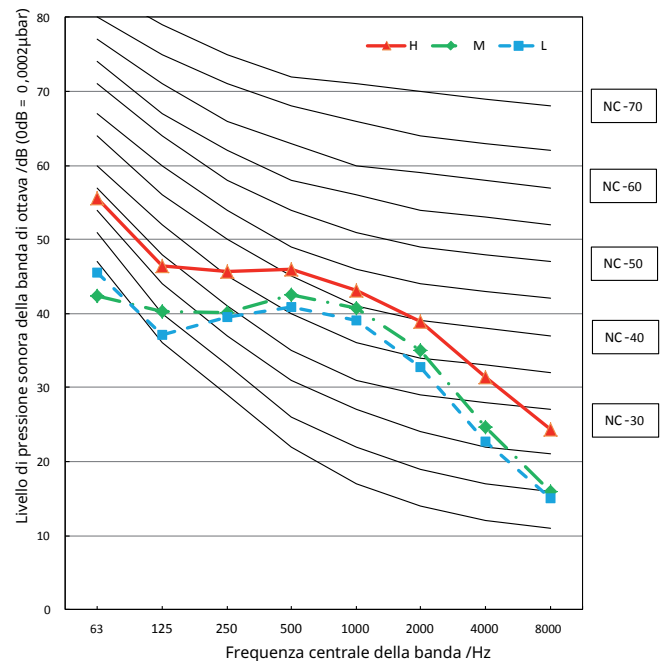
Clima X 12 mono int



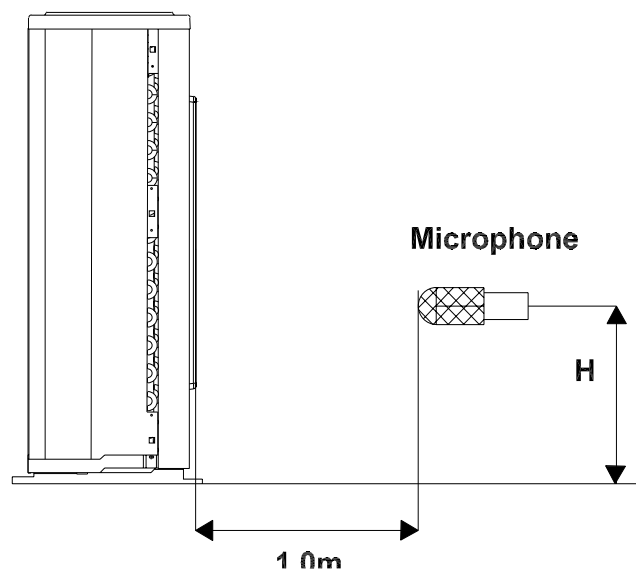
Clima X 18 mono int



Clima X 24 mono int



Unità esterna

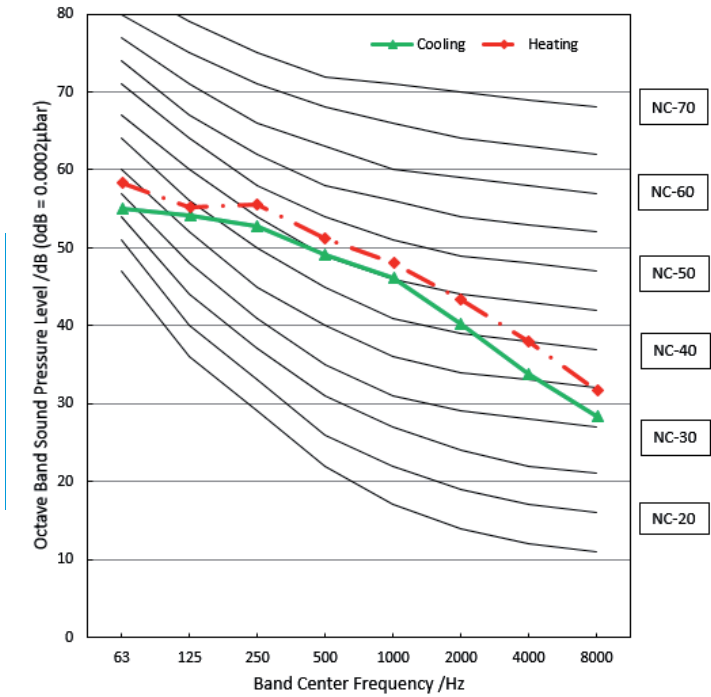


Nota: $H = 0,5 \times$ altezza dell'unità esterna

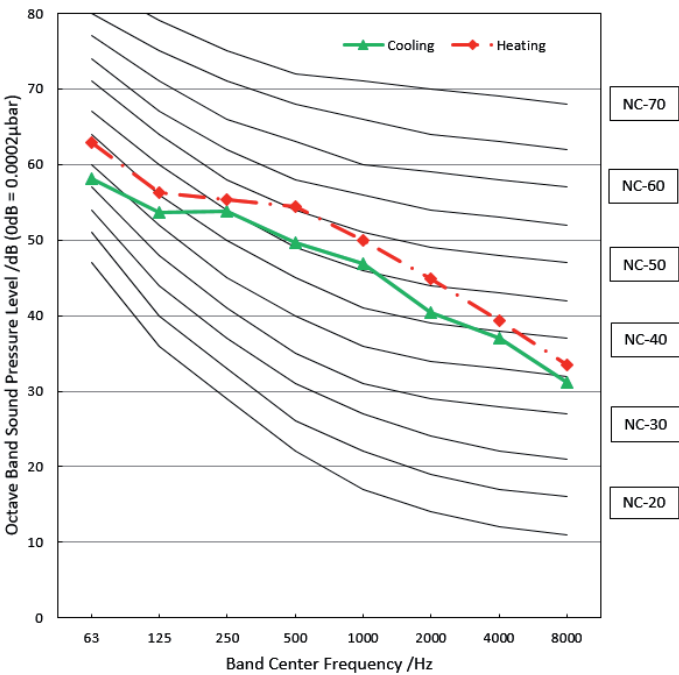
Note:

- Il suono è misurato a 1,0m di distanza dal centro dell'unità.
- I dati sono validi in condizioni di campo libero
- I dati sono validi in condizioni di funzionamento nominale
- Pressione acustica di riferimento $OdB=20\mu Pa$
- Il livello sonoro varierà a seconda dell'arrangiamento degli attori come la costruzione (coefficiente di assorbimento acustico) di una particolare stanza in cui l'attrezzatura è installata.
- Le condizioni operative sono considerate standard.

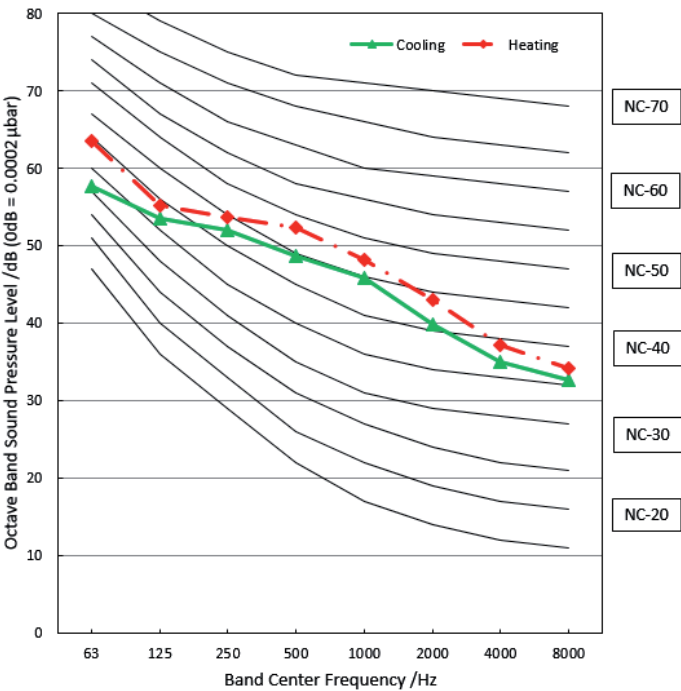
9 mono int ext



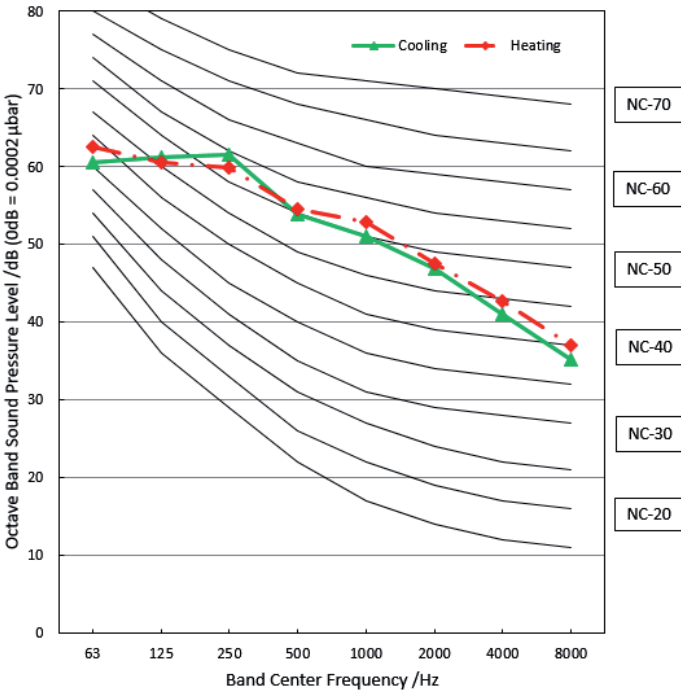
12 mono int ext



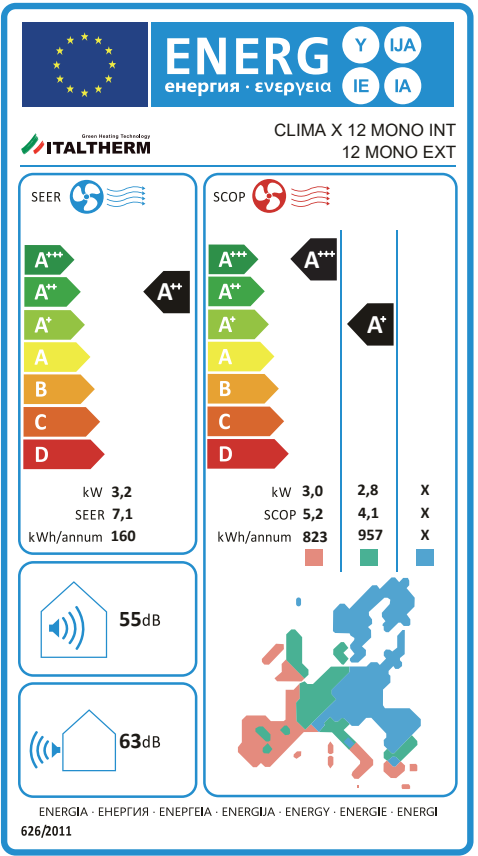
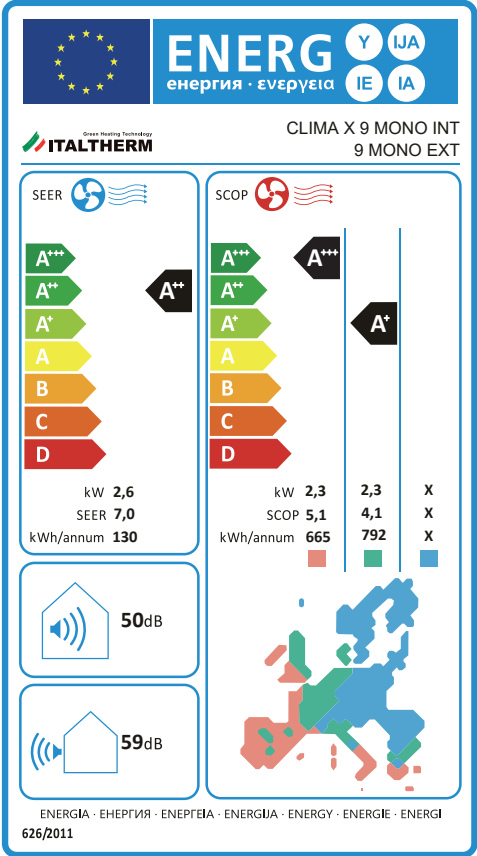
Clima X 18 mono ext



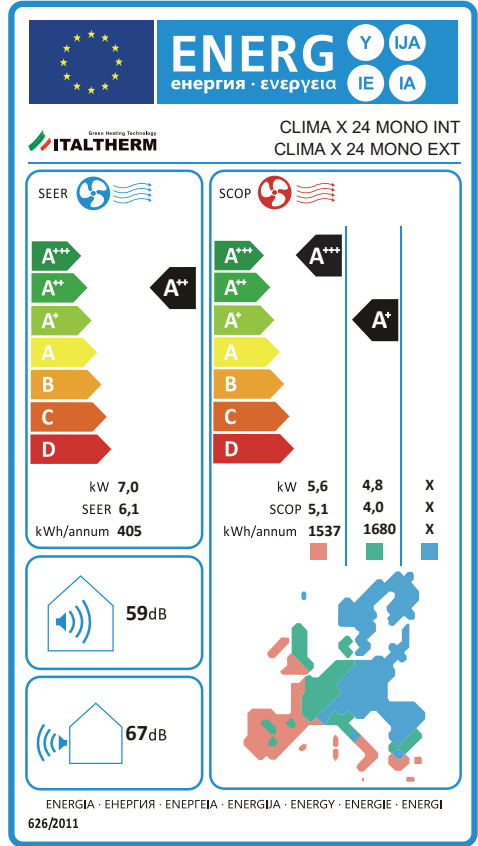
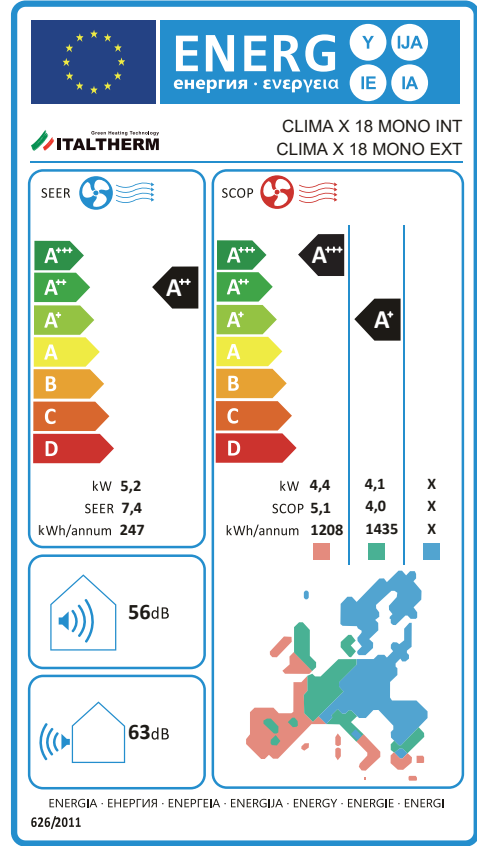
Clima X 24 mono ext



Etichette energetiche



Come da Comunicazione della Commissione nell'ambito dell'attuazione del Regolamento (UE) n. 206/2012, del 6 marzo 2012, relativo alle specifiche per la progettazione ecocompatibile dei condizionatori d'aria e dei ventilatori e del Regolamento (UE) n. 626/2011, del 4 maggio 2011, relativo all'etichettatura indicante il consumo d'energia dei condizionatori d'aria.





AUTOCERTIFICAZIONE DEL COSTRUTTORE

(ai sensi del D.M. 16 febbraio 2016 e del D.P.R. n. 445/2000)

La sottoscritta società ITALTHERM S.p.A., dichiara che gli apparecchi della seguente tipologia¹
2.A – Pompe di calore elettriche, elencati in allegato e immessi sul mercato dalla stessa, soddisfano:

- i requisiti di cui all'Allegato I del DM 16 Febbraio 2016 per l'accesso al Catalogo degli apparecchi domestici;

- i requisiti tecnici, richiesti nel DM 16 Febbraio 2016, misurati secondo le metodologie previste dalla specifica normativa tecnica di riferimento:

1.C) Generatori di calore

- | | | |
|--|--------------|--------------------------|
| - Generatori di calore a condensazione | UNI EN 15502 | ☐ |
| - Generatori di calore a condensazione ad aria | UNI EN 1020 | ☐ |

2.A) Pompe di calore

- | | | |
|--|--------------|-------------------------------------|
| - Pompe di calore elettriche | UNI EN 14511 | ☒ |
| - Pompe di calore a gas ad assorbimento | UNI EN 12309 | ☐ |
| - Pompe di calore a gas a motore endotermico | UNI EN 14511 | ☐ |

2.B) Generatori a biomassa²

- | | | |
|--------------------------------|---|--------------------------|
| - Caldaie a biomassa | UNI EN 303-5 classe 5 (η; PP; CO) | ☐ |
| - Stufe e termocamini a pellet | UNI EN 14785 (η; CO) / UNI CEN/TS 15883(PP) | ☐ |
| - Termocamini a legna | UNI EN 13229 (η; CO) / UNI CEN/TS 15883(PP) | ☐ |
| - Stufe a legna | UNI EN 13240 (η; CO) / UNI CEN/TS 15883(PP) | ☐ |

2.C) Solare termico

- | | | |
|---------------------------------------|-----------------|--------------------------|
| - Collettori solari | UNI EN ISO 9806 | ☐ |
| - Impianti prefabbricati Factory Made | UNI EN 12976 | ☐ |

2.D) Scaldacqua a pompa di calore

UNI EN 16147	☐
--------------	--------------------------

2.E) Sistemi ibridi a pompa di calore

- | | | |
|---|-----------------------------|--------------------------|
| - Generatore di calore a condensazione +
+ Pompa di calore elettrica | UNI EN 15502 / UNI EN 14511 | ☐ |
| - Generatore di calore a condensazione +
+ Pompa di calore a gas ad assorbimento | UNI EN 15502 / UNI EN 12309 | ☐ |
| - Generatore di calore a condensazione +
+ Pompa di calore a gas a motore
endotermico | UNI EN 15502 / UNI EN 14511 | ☐ |

Data/Date

24/04/2025

ITALTHERM S.p.A.
Rappresentante legale: Paolo Mazzoni

Firma:

¹ Indicare solo una delle tipologie sopra elencate, specificando: tipo di intervento - tipo di apparecchio (esempi: 2.A - Pompe di calore elettriche; 2.C - Impianti prefabbricati Factory Made; 2.B - Caldaie a biomassa)

² Le emissioni di particolato primario (PP) e di monossido di carbonio (CO) sono determinate con i metodi previsti dalle norme tecniche specifiche per ogni tipologia 2.B, in riferimento al 13% di O₂. η è il rendimento.

SCHEMA TECNICA 2.A POMPA DI CALORE DELL'AZIENDA ITALTHERM S.p.A.

CONTIENE LE INFORMAZIONI RICHIESTE PER LA VERIFICA DELLA CONFORMITÀ DEI PRODOTTI AI REQUISITI DEL CONTO TERMICO 2.0 PER LE TIPOLOGIE D'INTERVENTO 2.A

Tipologia di intervento	Tipologia funzionamento	Tipologia scambio	Denom. comm.	Marca	Modello	Id modello unità ext	Id modello unità interna	Pot. termica (kWt)	Presenza inverter	COP
2.A	Elettrica	aria/aria	split	Italtherm	Clima 9-R32	401180020	401180019	2.93	SI	3.96
2.A	Elettrica	aria/aria	split	Italtherm	Clima 12-R32	401180022	401180021	3.81	SI	3.95
2.A	Elettrica	aria/aria	split	Italtherm	Clima PURE+ 9	401180063	401180062	2.93	SI	4.6
2.A	Elettrica	aria/aria	split	Italtherm	Clima PURE+12	401180065	401180064	3.81	SI	3.9
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 9	401180053	401180019	2.93	SI	4.01
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 9	401180122	401180120	2.93	SI	3.81
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 12	401180054	401180021	4.04	SI	3.71
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 12	401180123	401180121	3.95	SI	3.79
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 18	401180056	401180055	5.83	SI	3.76
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 24	401180058	401180057	7.77	SI	3.73
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 9-R32	401180024	401180023	2.79	SI	4.16
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 12-R32	401180026	401180025	3.90	SI	3.71
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 18-R32	401180028	401180027	5.57	SI	3.81
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 24-R32	401180030	401180029	8.09	SI	3.72
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 9	401180069	401180023	2.93	SI	3.76
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 12	401180070	401180025	4.02	SI	3.72
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 18	401180071	401180027	5.5	SI	3.71
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 24	401180030	401180029	7.9	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Dual 18-R32	401180031	401180023-401180025-401180027 401180029-401180035-401180037 401180036-401180038-401180039 401180040	5.57	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Trial 27-R32	401180032	401180023-401180025-401180027 401180029-401180035-401180037 401180036-401180038-401180039 401180040	8.21	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Quadri 6-R32	401180033	401180023-401180025-401180027 401180029-401180035-401180037 401180036-401180038-401180039 401180040	10.70	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Penta 42-R32	401180034	401180023-401180025-401180027 401180029-401180035-401180037 401180036-401180038-401180039 401180040	12.32	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima X TOP Dual 18	401180067	401180023-401180025-401180027 401180029-401180035-401180037 401180036-401180038-401180039 401180040	5.57	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima X TOP Trial 27	401180068	401180023-401180025-401180027 401180029-401180035-401180037 401180036-401180038-401180039 401180040	8.21	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima X TOP Penta 42	401180073	401180023-401180025-401180027 401180029-401180035-401180037 401180036-401180038-401180039 401180040	12.32	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	MULTI AQUA DUAL 18	401180097	401181001	5.57	SI	3.95
2.A	Elettrica	aria/aria	multisplit	Italtherm	MULTI AQUA TRIAL 27	401180098	401181001 - 401181002	8.21	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 9	401180128	401180092	2.78	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 12	401180102	401180093	3.81	SI	3.74
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 18	401180103	401180094	5.33	SI	3.76
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 24	401180104	401180110	7.62	SI	4.01
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 36 M	401180105	401180111	11.14	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 36 T	401180106	401180111	11.14	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 18	401180103	401180115	5.57	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 24	401180104	401180116	7.62	SI	3.85
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 36 M	401180105	401180117	11.72	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 36 T	401180106	401180117	11.72	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 9	401180128	401180089	3.22	SI	3.79
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 12	401180102	401180090	3.37	SI	3.74
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 18	401180103	401180091	6.0	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 24	401180104	401180112	8.0	SI	3.99
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 36 M	401180105	401180113	10.3	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 36 T	401180106	401180113	10.1	SI	3.75
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 48 M	401180107	401180114	15.1	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 48 T	401180108	401180114	15.24	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CONSOLE 9	401180128	401180129	2.93	SI	3.89
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CONSOLE 12	401180102	401180118	3.81	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CONSOLE 18	401180103	401180119	5.28	SI	4.13



DICHIARAZIONE DI DETRAIBILITÀ FISCALE

Si certifica che i prodotti di seguito elencati rispondono ai requisiti dell'articolo 9 comma 2 bis -allegato I-del D.M. 19 febbraio 2007 già modificato dal D.M. 26 ottobre 2007 e coordinato con D.M. 7 aprile 2008, attuativo della Legge Finanziaria 2008 ("disposizioni in materia di detrazione per le spese di riqualificazione energetica del patrimonio edilizio esistente,") ai sensi dell'art. 1 comma 349 della legge 27 dicembre 2006, n. 296, e successive modifiche e integrazioni, al DL nr. 34 del 2020 convertito in Legge nr. 77 del 17 Luglio 2020. Tali prodotti presentano valori di C.O.P. (> 3.705) ed E.E.R. (> 3.23) rispondenti alle prescrizioni di cui all'Al. F, punto 1, lett. a) ed e) e alla Tabella 1 del Decreto 06/08/2020, ridotti del 5%:

Tipologia di intervento	Tipologia funzionamento	Tipologia scambio	Denom. comm.	Marca	Modello	Id modello unità ext	Id modello unità interna	Pot. termica (kWt)	Presenza inverter	COP
2.A	Elettrica	aria/aria	split	Italtherm	Clima 9-R32	401180020	401180019	2.93	SI	3.96
2.A	Elettrica	aria/aria	split	Italtherm	Clima 12-R32	401180022	401180021	3.81	SI	3.95
2.A	Elettrica	aria/aria	split	Italtherm	Clima PURE+ 9	401180063	401180062	2.93	SI	4.6
2.A	Elettrica	aria/aria	split	Italtherm	Clima PURE+12	401180065	401180064	3.81	SI	3.9
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 9	401180053	401180019	2.93	SI	4.01
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 9	401180122	401180120	2.93	SI	3.81
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 12	401180054	401180021	4.04	SI	3.71
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 12	401180123	401180121	3.95	SI	3.79
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 18	401180056	401180055	5.83	SI	3.76
2.A	Elettrica	aria/aria	split	Italtherm	Clima X 24	401180058	401180057	7.77	SI	3.73
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 9-R32	401180024	401180023	2.79	SI	4.16
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 12-R32	401180026	401180025	3.90	SI	3.71
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 18-R32	401180028	401180027	5.57	SI	3.81
2.A	Elettrica	aria/aria	split	Italtherm	Clima TOP 24-R32	401180030	401180029	8.09	SI	3.72
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 9	401180069	401180023	2.93	SI	3.76
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 12	401180070	401180025	4.02	SI	3.72
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 18	401180071	401180027	5.5	SI	3.71
2.A	Elettrica	aria/aria	split	Italtherm	Clima X TOP 24	401180030	401180029	7.9	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Dual 18-R32	401180031	401180023-401180025-401180027-401180029-401180035-401180037-401180036-401180038-401180039-401180040	5.57	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Trial 27-R32	401180032	401180023-401180025-401180027-401180029-401180035-401180037-401180036-401180038-401180039-401180040	8.21	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Quadri 6-R32	401180033	401180023-401180025-401180027-401180029-401180035-401180037-401180036-401180038-401180039-401180040	10.70	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima TOP Penta 42-R32	401180034	401180023-401180025-401180027-401180029-401180035-401180037-401180036-401180038-401180039-401180040	12.32	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima X TOP Dual 18	401180067	401180023-401180025-401180027-401180029-401180035-401180037-401180036-401180038-401180039-401180040	5.57	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima X TOP Trial 27	401180068	401180023-401180025-401180027-401180029-401180035-401180037-401180036-401180038-401180039-401180040	8.21	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	Clima X TOP Penta 42	401180073	401180023-401180025-401180027-401180029-401180035-401180037-401180036-401180038-401180039-401180040	12.32	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	MULTI AQUA DUAL 18	401180097	401181001	5.57	SI	3.95
2.A	Elettrica	aria/aria	multisplit	Italtherm	MULTI AQUA TRIAL 27	401180098	401181001 - 401181002	8.21	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 9	401180128	401180092	2.78	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 12	401180102	401180093	3.81	SI	3.74
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 18	401180103	401180094	5.33	SI	3.76
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 24	401180104	401180110	7.62	SI	4.01
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 36 M	401180105	401180111	11.14	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CASSETTA 36 T	401180106	401180111	11.14	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 18	401180103	401180115	5.57	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 24	401180104	401180116	7.62	SI	3.85
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 36 M	401180105	401180117	11.72	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL PAV/SOFF 36 T	401180106	401180117	11.72	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 9	401180128	401180089	3.22	SI	3.79
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 12	401180102	401180090	3.37	SI	3.74
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 18	401180103	401180091	6.0	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 24	401180104	401180112	8.0	SI	3.99
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 36 M	401180105	401180113	10.3	SI	3.73
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 36 T	401180106	401180113	10.1	SI	3.75
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 48 M	401180107	401180114	15.1	SI	3.71
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CANALIZZATO 48 T	401180108	401180114	15.24	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CONSOLE 9	401180128	401180129	2.93	SI	3.89
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CONSOLE 12	401180102	401180118	3.81	SI	3.72
2.A	Elettrica	aria/aria	multisplit	Italtherm	LIGHT COMMERCIAL CONSOLE 18	401180103	401180119	5.28	SI	4.13

I suddetti apparecchi pertanto rispettano i requisiti per l'accesso alle seguenti tipologie di detrazione fiscale:

- **Ecobonus 50-36%** secondo L. 27 dicembre 2006 nr. 296 e s.m.i. e secondo Decreto 6 agosto 2020

- **Bonus casa 50-36%** secondo DPR 22 dicembre 1986 nr. 917 e art. 16-bis e s.m.i.

La presente dichiarazione è rilasciata per finalità connesse all'espletamento delle pratiche inerenti le detrazioni fiscali.

ITALTHERM S.p.A.

Data 24/04/2025

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DICHIARAZIONE DI CONFORMITÀ UE

EU DECLARATION OF CONFORMITY

L'azienda ITALTHERM S.p.A. con sede in via S.D'Acquisto 29010 Pontenure (PC) ITALY
The Company ITALTHERM S.p.A. with its headquarters in S.D'Acquisto 29010 Pontenure (PC) ITALY

dichiara - declares

sotto la propria responsabilità che i climatizzatori in pompa di calore, modelli:
under its own responsibility that the heat pump air-conditioners, models:

CLIMA 9 MONO INT - CLIMA 12 MONO INT - CLIMA 9 MONO EXT - CLIMA 12 MONO EXT
CLIMA X 9 INT - CLIMA X 12 INT - CLIMA X 18 INT - CLIMA X 24 INT
CLIMA X 9 EXT - CLIMA X 12 EXT - CLIMA X 18 EXT - CLIMA X 24 EXT
CLIMA PURE+ 9 INT - CLIMA PURE+ 12 INT - CLIMA PURE+ 9 EXT - CLIMA PURE+ 12 EXT
CLIMA TOP 7 INT

CLIMA TOP 9 INT - CLIMA TOP 9 MONO EXT - CLIMA X TOP 9 INT - CLIMA X TOP 9 MONO EXT
CLIMA TOP 12 INT - CLIMA TOP 12 MONO EXT - CLIMA X TOP 12 INT - CLIMA X TOP 12 MONO EXT
CLIMA TOP 18 INT - CLIMA TOP 18 MONO EXT - CLIMA X TOP 18 INT - CLIMA X TOP 18 MONO EXT
CLIMA TOP 24 INT - CLIMA TOP 24 MONO EXT - CLIMA X TOP 24 INT - CLIMA X TOP 24 MONO EXT

CLIMA TOP DUAL 18 EXT - CLIMA X TOP DUAL 18 EXT

CLIMA TOP TRIAL 27 EXT - CLIMA X TOP TRIAL 27 EXT

CLIMA TOP QUADRI 36 EXT - CLIMA TOP PENTA 42 EXT - CLIMA X TOP PENTA 42 EXT

MULTI AQUA DUAL 18 - MULTI AQUA TRIAL 27

LIGHT COMMERCIAL X TOP CANALIZZATO 9 - LIGHT COMMERCIAL X TOP CANALIZZATO 12 - LIGHT COMMERCIAL X TOP CANALIZZATO 18
LIGHT COMMERCIAL X TOP CANALIZZATO 24 - LIGHT COMMERCIAL X TOP CANALIZZATO 36 M - LIGHT COMMERCIAL X TOP CANALIZZATO 36 T
LIGHT COMMERCIAL X TOP CANALIZZATO 48 M - LIGHT COMMERCIAL X TOP CANALIZZATO 48 T

LIGHT COMMERCIAL X TOP CONSOLE 9 - LIGHT COMMERCIAL X TOP CONSOLE 12 - LIGHT COMMERCIAL X TOP CONSOLE 18

LIGHT COMMERCIAL X TOP CASSETTA 9 - LIGHT COMMERCIAL X TOP CASSETTA 12 - LIGHT COMMERCIAL X TOP CASSETTA 18

LIGHT COMMERCIAL X TOP CASSETTA 24 - LIGHT COMMERCIAL X TOP CASSETTA 36 M - LIGHT COMMERCIAL X TOP CASSETTA 36 T

LIGHT COMMERCIAL X TOP PAVIMENTO SOFFITTO 18 - LIGHT COMMERCIAL X TOP PAVIMENTO SOFFITTO 24

LIGHT COMMERCIAL X TOP PAVIMENTO SOFFITTO 36 M - LIGHT COMMERCIAL X TOP PAVIMENTO SOFFITTO 36 T

sono conformi ai requisiti essenziali delle seguenti Direttive Europee:
comply with the essential requirements of the following European Directives:

2014/35/UE (LVD) Direttiva Bassa Tensione - Low voltage Directive

- EN 60335-2-40:2003+A11:2004+A12:2005+A1:2006+A2:2009+A13:2012
- EN 60335-1:2012+A11:2014
- EN 62233:2008

2014/30/UE Direttiva Compatibilità Elettromagnetica - Electromagnetic compatibility {EMC} Directive

- EN 55014-1:2006+A1:2009+A2:2011
- EN 55014-2:1997+A1:2001+A2:2008
- EN61000-3-2:2014 o/or EN61000-3-12:2011
- EN61000-3-3:2013 o/or EN61000-3-11:2000

2009/125/UE e/and 2010/30/EU Progettazione Ecocompatibile - ErP Energy related Product Directives

- EC Regulation 206/2012:2012-03-06
- EC Regulation 626/2011:2011-05-04
- EN 12102-1:2017
- EN 14825:2016
- EN 50564:2011
- EN 14511-3:2018

2011/65/UE Restrizione d'uso di sostanze pericolose negli apparecchi elettrici ed elettronici - On the restriction of the use of certain hazardous substances in electrical and electronic equipment, RoHS Directive.

Data/Date
24/04/2025

Firma/Signature

Paolo Mazzoni

Legale Rappresentante/Legal Representative

Firma/Signature

Daniela Chiesa
Direttore Tecnico/Technical Director



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