

# BOX-SL 950x950 R-32 - PERFORMANCES

<b>Model</b> <i>Modello</i>			
Outdoor Unit: <i>Unità esterna:</i>	MC2-Y		
Indoor Unit: <i>Unità interna:</i>	IA2-XY		
<b>Standard specs</b> <i>Dati nominali</i>			
Size (set): <i>Grandezza (set):</i>	70M	Cooling capacity: <i>Potenza raffrescamento:</i>	7,00 kW
Airflow: <i>Portata d'aria:</i>	1378 m <sup>3</sup> /h	Heating capacity: <i>Potenza riscaldamento:</i>	7,62 kW

## COOLING / RAFFRESCAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMP. (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>														
		20			25			30			35			40		
DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
20	14	7,18	5,60	1,67	6,87	5,50	1,81	6,56	5,38	1,96	6,19	5,20	2,14	6,01	5,16	2,28
22	16	7,56	5,78	1,68	7,23	5,68	1,83	6,91	5,56	1,98	6,52	5,38	2,16	6,32	5,34	2,31
25	18	7,96	5,97	1,70	7,61	5,86	1,85	7,27	5,74	2,00	6,86	5,56	2,18	6,65	5,52	2,33
27	19	8,12	6,01	1,71	7,77	5,91	1,86	7,42	5,79	2,01	7,00	5,60	2,19	6,79	5,57	2,34
30	22	8,69	6,30	1,73	8,31	6,19	1,88	7,94	6,07	2,03	7,49	5,89	2,21	7,27	5,85	2,37
32	24	9,01	6,44	1,73	8,62	6,34	1,89	8,24	6,22	2,05	7,77	6,02	2,22	7,54	5,99	2,38

## HEATING / RISCALDAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMPERATURE (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>																		
		-20		-15		-10		-7		-2		2		7		12		17		
DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
15	4,16	2,21	4,94	2,55	5,53	2,51	5,89	2,49	6,58	2,54	7,14	2,59	7,85	1,99	7,61	1,85	7,30	1,79		
18	4,10	2,24	4,87	2,58	5,45	2,55	5,80	2,52	6,49	2,58	7,04	2,63	7,73	2,02	7,50	1,88	7,19	1,82		
20	4,04	2,28	4,80	2,62	5,37	2,59	5,72	2,56	6,39	2,62	6,93	2,67	7,62	2,05	7,39	1,91	7,09	1,85		
22	3,96	2,30	4,70	2,65	5,26	2,61	5,60	2,59	6,26	2,65	6,80	2,69	7,47	2,07	7,24	1,93	6,94	1,86		
24	3,92	2,32	4,66	2,68	5,21	2,64	5,54	2,61	6,20	2,67	6,73	2,72	7,39	2,09	7,17	1,94	6,87	1,88		
25	3,88	2,33	4,61	2,69	5,16	2,65	5,49	2,63	6,14	2,68	6,66	2,73	7,32	2,10	7,10	1,95	6,80	1,89		
27	3,84	2,36	4,56	2,72	5,10	2,68	5,43	2,65	6,07	2,71	6,59	2,76	7,24	2,12	7,02	1,97	6,73	1,91		

### Legenda:

DB: Dry Bulb / *Bulbo secco*  
 WB: Wet Bulb / *Bulbo umido*  
 TC: Total Capacity / *Capacità totale*  
 SHC: Sensible Cooling Capacity / *Capacità Sensibile*  
 PI: Power Input / *Potenza assorbita*

### Notes:

1. Capacities refer to following conditions / *Le potenze fanno riferimento alle seguenti condizioni:*  
 - Equivalent piping length - Level difference / *Lunghezza equivalente tubazioni - Dislivello tubazioni: 5m - 0m*  
 2. Data take defrosting operations into account  
 2. I dati considerano i cicli di sbrinamento nel funzionamento

## BOX-SL 950x950 R-32 - PERFORMANCES

Standard specs <i>Dati nominali</i>			
Size (set): <i>Grandezza (set):</i>	105M	Cooling capacity: <i>Potenza raffrescamento:</i>	10,50 kW
Airflow: <i>Portata d'aria:</i>	1775 m <sup>3</sup> /h	Heating capacity: <i>Potenza riscaldamento:</i>	11,14 kW

### COOLING / RAFFRESCAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMP. (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>														
		20			25			30			35			40		
DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
20	14	10,77	8,40	2,85	10,31	8,25	3,11	9,84	8,07	3,36	9,29	7,80	3,66	9,01	7,75	3,91
22	16	11,34	8,67	2,88	10,85	8,52	3,14	10,36	8,34	3,40	9,78	8,06	3,69	9,48	8,01	3,95
25	18	11,94	8,95	2,91	11,42	8,79	3,17	10,91	8,62	3,43	10,29	8,33	3,73	9,98	8,28	3,99
27	19	12,18	9,01	2,93	11,66	8,86	3,19	11,13	8,68	3,45	10,50	8,40	3,75	10,19	8,35	4,01
30	22	13,03	9,45	2,95	12,47	9,29	3,22	11,91	9,11	3,48	11,24	8,83	3,79	10,90	8,77	4,05
32	24	13,52	9,67	2,97	12,94	9,51	3,24	12,35	9,33	3,50	11,66	9,03	3,81	11,31	8,99	4,07

### HEATING / RISCALDAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMPERATURE (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>																
		-20		-15		-10		-7		-2		2		7		12		17
DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	
15	7,00	3,88	8,03	3,93	8,95	4,02	9,52	4,08	10,10	3,93	10,56	3,82	11,47	2,87	11,13	2,67	10,67	2,58
18	6,90	3,94	7,91	3,99	8,82	4,08	9,38	4,14	9,95	3,99	10,40	3,88	11,31	2,92	10,97	2,71	10,52	2,62
20	6,80	4,00	7,80	4,06	8,69	4,14	9,25	4,20	9,80	4,06	10,25	3,94	11,14	2,96	10,81	2,75	10,36	2,66
22	6,66	4,04	7,64	4,10	8,52	4,19	9,06	4,25	9,61	4,10	10,04	3,98	10,92	2,99	10,59	2,78	10,15	2,69
24	6,59	4,08	7,56	4,14	8,43	4,23	8,97	4,29	9,51	4,14	9,94	4,02	10,81	3,02	10,48	2,81	10,05	2,72
25	6,52	4,10	7,49	4,16	8,34	4,25	8,88	4,31	9,41	4,16	9,84	4,04	10,69	3,03	10,37	2,82	9,95	2,73
27	6,46	4,14	7,41	4,20	8,25	4,29	8,78	4,35	9,31	4,20	9,74	4,07	10,58	3,06	10,27	2,85	9,84	2,76

**Legenda:**

DB: Dry Bulb / *Bulbo secco*  
 WB: Wet Bulb / *Bulbo umido*  
 TC: Total Capacity / *Capacità totale*  
 SHC: Sensible Cooling Capacity / *Capacità Sensibile*  
 PI: Power Input / *Potenza assorbita*

**Notes:**

1. Capacities refer to following conditions / *Le potenze fanno riferimento alle seguenti condizioni:*  
 - Equivalent piping length - Level difference / *Lunghezza equivalente tubazioni - Dislivello tubazioni: 5m - 0m*
2. Data take defrosting operations into account  
*2. I dati considerano i cicli di sbrinamento nel funzionamento*

## BOX-SL 950x950 R-32 - PERFORMANCES

Standard specs <i>Dati nominali</i>			
Size (set): <i>Grandezza (set):</i>	105T (400/3/50+N)	Cooling capacity: <i>Potenza raffrescamento:</i>	10,50 kW
Airflow: <i>Portata d'aria:</i>	1775 m <sup>3</sup> /h	Heating capacity: <i>Potenza riscaldamento:</i>	11,14 kW

### COOLING / RAFFRESCAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMP. (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>														
		20			25			30			35			40		
DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
20	14	10,77	8,40	3,00	10,31	8,25	3,27	9,84	8,07	3,54	9,29	7,80	3,85	9,01	7,75	4,12
22	16	11,34	8,67	3,03	10,85	8,52	3,31	10,36	8,34	3,58	9,78	8,06	3,89	9,48	8,01	4,16
25	18	11,94	8,95	3,07	11,42	8,79	3,34	10,91	8,62	3,62	10,29	8,33	3,93	9,98	8,28	4,21
27	19	12,18	9,01	3,08	11,66	8,86	3,36	11,13	8,68	3,63	10,50	8,40	3,95	10,19	8,35	4,23
30	22	13,03	9,45	3,11	12,47	9,29	3,39	11,91	9,11	3,67	11,24	8,83	3,99	10,90	8,77	4,27
32	24	13,52	9,67	3,13	12,94	9,51	3,41	12,35	9,33	3,69	11,66	9,03	4,01	11,31	8,99	4,29

### HEATING / RISCALDAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMPERATURE (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>																
		-20		-15		-10		-7		-2		2		7		12		17
DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	
15	6,88	3,87	8,26	3,93	8,49	3,81	9,75	4,02	10,33	3,92	10,79	3,84	11,47	2,91	11,13	2,71	10,67	2,62
18	6,78	3,93	8,14	3,99	8,37	3,87	9,61	4,08	10,18	3,98	10,63	3,90	11,31	2,96	10,97	2,75	10,52	2,66
20	6,68	3,99	8,02	4,05	8,24	3,93	9,47	4,14	10,03	4,04	10,47	3,96	11,14	3,00	10,81	2,79	10,36	2,70
22	6,55	4,03	7,86	4,09	8,08	3,97	9,28	4,18	9,83	4,08	10,26	4,00	10,92	3,03	10,59	2,82	10,15	2,73
24	6,48	4,07	7,78	4,13	8,00	4,01	9,18	4,22	9,73	4,12	10,16	4,04	10,81	3,06	10,48	2,85	10,05	2,75
25	6,42	4,09	7,70	4,15	7,91	4,03	9,09	4,24	9,62	4,14	10,05	4,06	10,69	3,08	10,37	2,86	9,95	2,77
27	6,35	4,13	7,62	4,19	7,83	4,07	9,00	4,28	9,52	4,18	9,95	4,10	10,58	3,11	10,27	2,89	9,84	2,79

**Legenda:**

DB: Dry Bulb / *Bulbo secco*  
 WB: Wet Bulb / *Bulbo umido*  
 TC: Total Capacity / *Capacità totale*  
 SHC: Sensible Cooling Capacity / *Capacità Sensibile*  
 PI: Power Input / *Potenza assorbita*

**Notes:**

1. Capacities refer to following conditions / *Le potenze fanno riferimento alle seguenti condizioni:*  
 - Equivalent piping length - Level difference / *Lunghezza equivalente tubazioni - Dislivello tubazioni: 5m - 0m*
2. Data take defrosting operations into account  
*2. I dati considerano i cicli di sbrinamento nel funzionamento*

## BOX-SL 950x950 R-32 - PERFORMANCES

Standard specs <i>Dati nominali</i>			
Size (set): <i>Grandezza (set):</i>	140T (400/3/50+N)	Cooling capacity: <i>Potenza raffrescamento:</i>	14,00 kW
Airflow: <i>Portata d'aria:</i>	1715 m <sup>3</sup> /h	Heating capacity: <i>Potenza riscaldamento:</i>	16,10 kW

### COOLING / RAFFRESCAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMP. (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>														
		20			25			30			35			40		
DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
20	14	14,36	11,20	3,90	13,74	11,00	4,25	13,13	10,76	4,60	12,38	10,40	5,00	12,01	10,33	5,35
22	16	15,12	11,57	3,94	14,47	11,36	4,30	13,82	11,12	4,65	13,03	10,75	5,05	12,64	10,68	5,41
25	18	15,92	11,94	3,98	15,23	11,73	4,34	14,54	11,49	4,70	13,72	11,11	5,10	13,31	11,05	5,46
27	19	16,24	12,02	4,00	15,54	11,81	4,36	14,84	11,58	4,72	14,00	11,20	5,13	13,58	11,14	5,49
30	22	17,38	12,60	4,04	16,63	12,39	4,40	15,88	12,15	4,77	14,98	11,77	5,18	14,53	11,70	5,54
32	24	18,03	12,89	4,06	17,25	12,68	4,43	16,47	12,44	4,79	15,54	12,04	5,21	15,07	11,98	5,57

### HEATING / RISCALDAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMPERATURE (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>																
		-20		-15		-10		-7		-2		2		7		12		17
DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
15	7,46	4,36	9,29	4,85	10,84	5,09	11,77	5,24	12,60	5,32	13,27	5,39	16,58	4,90	16,09	4,56	15,42	4,41
18	7,35	4,43	9,15	4,92	10,68	5,17	11,60	5,32	12,42	5,41	13,07	5,47	16,34	4,97	15,85	4,63	15,20	4,48
20	7,25	4,49	9,02	5,00	10,53	5,25	11,43	5,40	12,24	5,49	12,88	5,56	16,10	5,05	15,62	4,70	14,97	4,55
22	7,10	4,54	8,84	5,05	10,31	5,30	11,20	5,46	11,99	5,54	12,62	5,61	15,78	5,10	15,30	4,74	14,67	4,59
24	7,03	4,58	8,75	5,10	10,21	5,36	11,09	5,51	11,87	5,60	12,49	5,67	15,62	5,15	15,15	4,79	14,52	4,64
25	6,96	4,61	8,66	5,12	10,10	5,38	10,97	5,54	11,75	5,62	12,36	5,69	15,46	5,18	14,99	4,81	14,37	4,66
27	6,88	4,65	8,57	5,17	10,00	5,44	10,86	5,59	11,62	5,68	12,24	5,75	15,30	5,23	14,84	4,86	14,22	4,70

**Legenda:**

DB: Dry Bulb / *Bulbo secco*  
 WB: Wet Bulb / *Bulbo umido*  
 TC: Total Capacity / *Capacità totale*  
 SHC: Sensible Cooling Capacity / *Capacità Sensibile*  
 PI: Power Input / *Potenza assorbita*

**Notes:**

1. Capacities refer to following conditions / *Le potenze fanno riferimento alle seguenti condizioni:*  
 - Equivalent piping length - Level difference / *Lunghezza equivalente tubazioni - Dislivello*  
*tubazioni: 5m - 0m*
2. Data take defrosting operations into account  
*2. I dati considerano i cicli di sbrinamento nel funzionamento*

## BOX-SL 950x950 R-32 - PERFORMANCES

Standard specs <i>Dati nominali</i>			
Size (set): <i>Grandezza (set):</i>	160T (400/3/50+N)	Cooling capacity: <i>Potenza raffrescamento:</i>	15,70 kW
Airflow: <i>Portata d'aria:</i>	1970 m <sup>3</sup> /h	Heating capacity: <i>Potenza riscaldamento:</i>	18,20 kW

### COOLING / RAFFRESCAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMP. (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>														
		20			25			30			35			40		
DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
20	14	16,11	12,56	4,52	15,41	12,33	4,93	14,72	12,07	5,34	13,89	11,66	5,80	13,47	11,58	6,21
22	16	16,96	12,97	4,57	16,22	12,74	4,98	15,49	12,47	5,39	14,62	12,06	5,86	14,18	11,98	6,27
25	18	17,85	13,39	4,62	17,08	13,15	5,03	16,31	12,88	5,45	15,39	12,46	5,92	14,92	12,39	6,33
27	19	18,21	13,48	4,64	17,43	13,24	5,06	16,64	12,98	5,47	15,70	12,56	5,95	15,23	12,49	6,37
30	22	19,49	14,13	4,69	18,65	13,89	5,11	17,81	13,62	5,53	16,80	13,20	6,01	16,30	13,12	6,43
32	24	20,22	14,45	4,71	19,34	14,22	5,13	18,47	13,95	5,56	17,43	13,51	6,04	16,90	13,44	6,46

### HEATING / RISCALDAMENTO

INDOOR TEMP. <i>TEMP. INTERNA</i>		OUTDOOR TEMPERATURE (DB, °C) <i>TEMP. ESTERNA (DB, °C)</i>																
		-20		-15		-10		-7		-2		2		7		12		17
DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
[°C]	[°C]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	
15	9,56	4,83	10,97	5,09	13,31	5,50	13,50	5,62	14,62	6,03	16,12	5,80	18,75	5,85	18,18	5,45	17,43	5,27
18	9,42	4,91	10,81	5,17	13,12	5,59	13,30	5,71	14,41	6,12	15,89	5,89	18,47	5,95	17,92	5,53	17,18	5,35
20	9,28	4,98	10,65	5,25	12,92	5,67	13,10	5,79	14,20	6,22	15,65	5,98	18,20	6,04	17,65	5,61	16,93	5,43
22	9,10	5,03	10,43	5,30	12,66	5,73	12,84	5,85	13,91	6,28	15,34	6,04	17,84	6,10	17,30	5,67	16,59	5,49
24	9,00	5,08	10,33	5,36	12,53	5,79	12,71	5,91	13,77	6,34	15,18	6,10	17,65	6,16	17,12	5,73	16,42	5,54
25	8,91	5,10	10,22	5,38	12,41	5,82	12,58	5,94	13,63	6,37	15,03	6,13	17,47	6,19	16,95	5,75	16,25	5,57
27	8,82	5,15	10,11	5,44	12,28	5,87	12,45	6,00	13,49	6,43	14,87	6,18	17,29	6,25	16,77	5,81	16,08	5,62

**Legenda:**

DB: Dry Bulb / *Bulbo secco*  
 WB: Wet Bulb / *Bulbo umido*  
 TC: Total Capacity / *Capacità totale*  
 SHC: Sensible Cooling Capacity / *Capacità Sensibile*  
 PI: Power Input / *Potenza assorbita*

**Notes:**

1. Capacities refer to following conditions / *Le potenze fanno riferimento alle seguenti condizioni:*  
 - Equivalent piping length - Level difference / *Lunghezza equivalente tubazioni - Dislivello*  
*tubazioni: 5m - 0m*
2. Data take defrosting operations into account  
*2. I dati considerano i cicli di sbrinamento nel funzionamento*