

**MTH**<sup>®</sup>  
**frigoriferen**



R290

**MONOBLOCK FOR CABINET**

**MONOBLOCCO A TAMPONE PER ARMADIO**



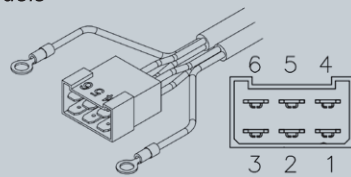


Monoblocks MTA2.0 700 and MTA2.0 1400 are plug-in cooling systems for ceiling mounting on refrigerated cabinets. Their easy installation, high manufacturing and quality standards ensure to the customers an innovative, technologically advanced longlasting product.

### Technical details:

- Application range
  - HBP (+2°C; +8°C)
  - MBP (-5°C; +5°C)
  - LBP (-18°C; -25°C)
- Natural, electrical or hot gas defrost
- High efficiency hermetic compressor
- PP base plate
- **PUE** insulated evaporator case with **high insulation 0,023 W/mK** (compared to polystyrene 0,040 W/mK)
- Water tray equipped with forced evaporation coil made of anti-corrosion stainless steel
- Capillary expansion
- Tropicalized for external temperature up to +40°C
- Wiring standard for all models

- 1 - Compressor (neutral)
- 2 - Fan (neutral)
- 3 - Defrosting (neutral)
- 4 - Compressor (phase)
- 5 - Fan (phase)
- 6 - Defrosting (phase)



### Advantages:

- Easy and fast to install
- Fewer cuts needed
- Reduced after-sales costs
- The integrated evaporator allows more available space in the cabinet
- Base plate and hole measures for ventilation, standard for all models
- Automatic evaporating system
- N° 3 NTC probes included
- Multipack (pallet packaging in multiples of 6 pcs.)

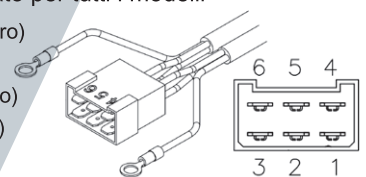


I monoblocchi MTA2.0 700 e MTA2.0 1400 sono gruppi frigoriferi plug-in per applicazione a tampone su armadi frigoriferi. La grande facilità di installazione e gli elevatissimi standard costruttivi e qualitativi garantiscono al cliente un prodotto durevole, innovativo, tecnologicamente avanzato e di semplice impiego.

### Caratteristiche tecniche:

- Campo di impiego
  - HBP (+2°C; +8°C)
  - MBP (-5°C; +5°C)
  - LBP (-18°C; -25°C)
- Sbrinamento naturale, elettrico o a gas caldo
- Compressore ermetico ad alta efficienza
- Basamento in PP
- Vano evaporatore coibentato in **PUE ad alto isolamento 0,023 W/mK** (rispetto al polistirolo 0,040 W/mK)
- Serpentina di evaporazione condensa in acciaio inox anticorrosione
- Espansione a capillare
- Gamma tropicalizzata per temperature fino a +40°C
- Cablaggio standardizzato per tutti i modelli

- 1 - Compressore (neutro)
- 2 - Ventola (neutro)
- 3 - Sbrinamento (neutro)
- 4 - Compressore (fase)
- 5 - Ventola (fase)
- 6 - Sbrinamento (fase)



### Vantaggi:

- Rapidità e facilità di installazione
- Minimizzazione dei tagli da praticare sull'armadio
- Riduzione dei costi post-vendita
- Incremento dello spazio utile nell'armadio grazie all'evaporatore integrato
- Dimensioni del basamento e dei fori per la ventilazione, standardizzato per tutti i modelli
- Evaporazione automatica della condensa
- N° 3 sonde NTC incluse
- Multipack (imballo a pedane a multipli di 6 pz.)

## Options

### Optional



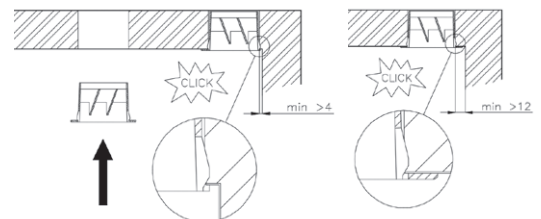
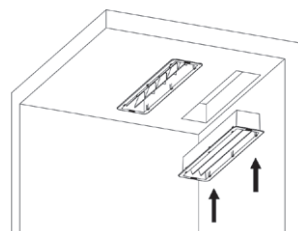
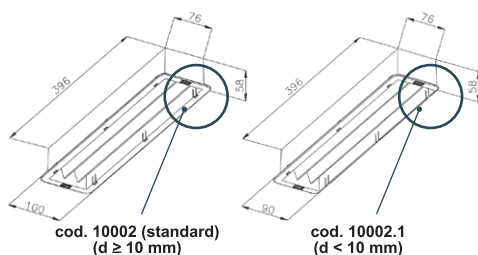
- Special voltages and frequencies
- Wiring kit for the connection to the cabinet's thermostat
- Energy Saving fans EC motors
- Evaporator air conveyors
- Hot gas defrost available for all the models



- Voltaggi e frequenze speciali
- Kit cablaggio al termostato dell'armadio
- Motori ventola elettronici a basso consumo
- Convogliatori aria evaporatore
- Sbrinamento a gas caldo applicabile su tutti i modelli

CODE - CODICE	DESCRIPTION - DESCRIZIONE	APPLICATION - APPLICAZIONE
07221051	Wiring kit for the connection to the cabinet thermostat Kit cablaggio al termostato dell'armadio	All models - Tutti i modelli
10002	Air conveyor - Convogliatore aria	
10002.1	Air conveyor (cut version) - Convogliatore aria tagliato	For holes close to the panel - Per i fori cella a filo parete

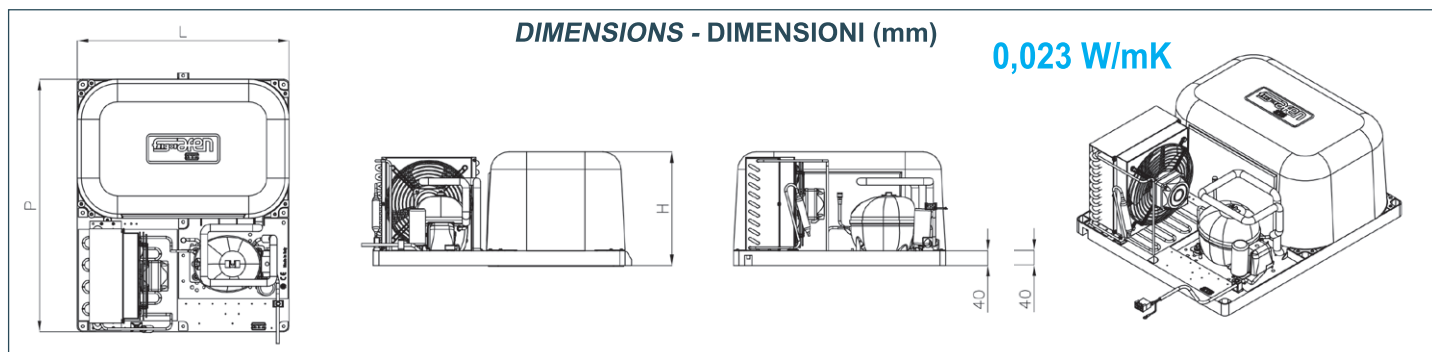
### EVAPORATOR AIR CONVEYOR - CONVOGLIATORE ARIA EVAPORATORE



CONVEYOR ASSEMBLY - MONTAGGIO CONVOGLIATORE

## MTA2.0 - Monoblock for Cabinet

### MTA2.0 - Monoblocco a Tampone per Armadio



#### HBP: MEDIUM-HIGH TEMPERATURE - MEDIA-ALTA TEMPERATURA (dim.: L580 x P690 x H310 mm)

CODE CODICE	MODEL MODELLO	Voltage/Frequency Alimentazione		Compressor Compressore				Temperature Temperatura		Refrigerant Refrigerante	Defrost Sbrinamento	Weight Peso
		V	Hz	HP	W	W IN	A IN	INT	EXT	Type	Type	Kg
196125	MTA2.0 HZ/700N	220/240	50	1/4 E	358	214	1,47	+2/+8	+ 40	R134a	natural	22
196123	MTA2.0 HU/700N				385	226	1,39			R290		
196165	MTA2.0 HZ/1400N				534	330	2,30			R134a		24
196163	MTA2.0 HU/1400N				549	350	2,31			R290		

Test conditions: External temperature +32°C / Evaporating temperature -10°C / Condensing temperature +55°C  
 Condizioni di test: Temperatura esterna +32°C / Temperatura evaporazione -10°C / Temperatura condensazione +55°C

#### MBP: MEDIUM TEMPERATURE - MEDIA TEMPERATURA (dim.: L580 x P690 x H310 mm)

CODE CODICE	MODEL MODELLO	Voltage/Frequency Alimentazione		Compressor Compressore				Temperature Temperatura		Refrigerant Refrigerante	Defrost Sbrinamento	Weight Peso
		V	Hz	HP	W	W IN	A IN	INT	EXT	Type	Type	Kg
196525	MTA2.0 MZ/700E	220/240	50	1/4 E	402	202	1,43	-5/+5	+ 40	R134a	electrical	25
196510	MTA2.0 MG/700E			1/3 E	422	229	1,38			R404A / R452A		
196623	MTA2.0 MU/700G			1/3- E	457	247	1,74			R290	hot gas	
196565	MTA2.0 MZ/1400E			1/3+ E	625	325	2,22			R134a	electrical	27
196560	MTA2.0 MG/1400E			1/2 E	668	432	2,64			R404A / R452A	hot gas	
196663	MTA2.0 MU/1400G			1/2- E	640	340	2,28			R290		

Test conditions: External temperature +32°C / Evaporating temperature -10°C / Condensing temperature +45°C  
 Condizioni di test: Temperatura esterna +32°C / Temperatura evaporazione -10°C / Temperatura condensazione +45°C

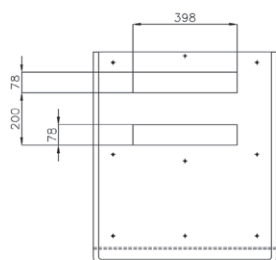
#### LBP: LOW TEMPERATURE - BASSA TEMPERATURA

CODE CODICE	MODEL MODELLO	Voltage/Frequency Alimentazione		Compressor Compressore				Temperature Temperatura		Refrigerant Refrigerante	Defrost Sbrinamento	Weight Peso	Dimensions Dimensioni		
		V	Hz	HP	W	W IN	A IN	INT	EXT	Type	Type	Kg	L	P	H
196820	MTA2.0 G/700E	220/240	50	3/4 E	527	491	2,69	-18/-25	+ 40	R404A / R452A	electrical	26	580	690	310
196923	MTA2.0 U/700G			1/2+ E	567	408	2,14			R290	hot gas				
196860	MTA2.0 G/1400E			1+ E	796	634	3,33			R404A / R452A	electrical	33			
196963	MTA2.0 U/1400G			1 E	735	526	2,80			R290	hot gas				

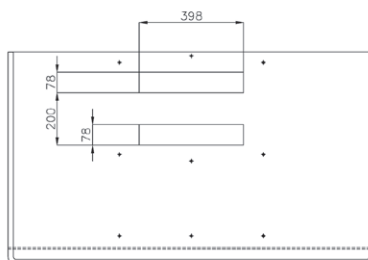
Test conditions: External temperature +32°C / Evaporating temperature -30°C / Condensing temperature +45°C  
 Condizioni di test: Temperatura esterna +32°C / Temperatura evaporazione -30°C / Temperatura condensazione +45°C

#### INSTALLATION - INSTALLAZIONE

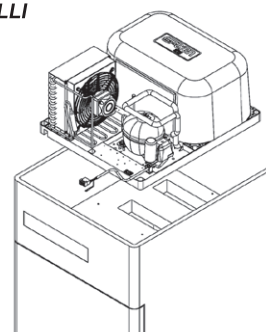
##### STANDARD HOLE MEASURES FOR ALL MODELS - MISURE FORO STANDARD PER TUTTI I MODELLI



CABINET - ARMADIO (700 l)

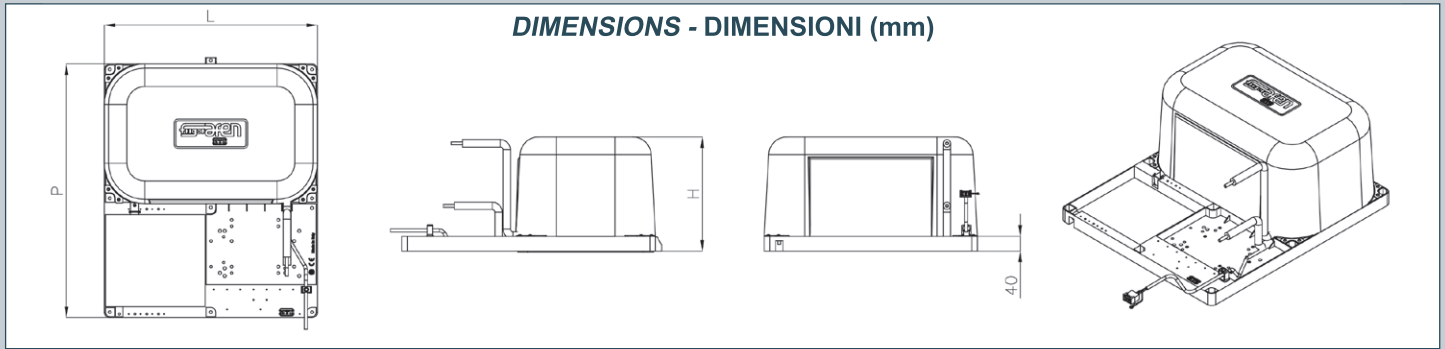


CABINET - ARMADIO (1400 l)



## MTA2.0 - Monoblock for Cabinet for remote application

## MTA2.0 - Monoblocco a Tampone per Armadio per applicazione remota



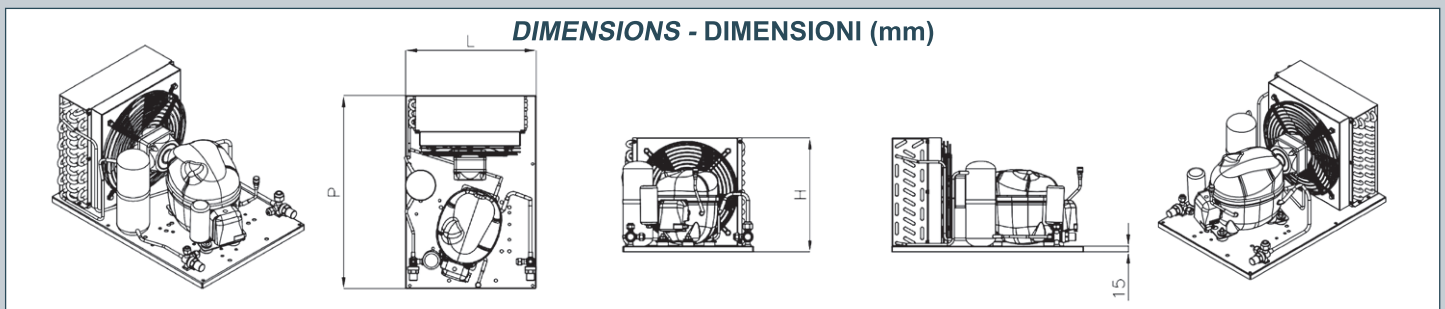
CODE CODICE	MODEL MODELLO	Voltage/Frequency Alimentazione		Evaporator Evaporatore				Temperature Temperatura		Pipes Tubi		Defrost Sbrinamento	Weight Peso	Dimensions Dimensioni		
		V	Hz	Ranks	W	Fan	m³/h	INT	EXT	Liquid	Suction	Type	Kg	L	P	H
196020	MTA2.0 R/700E	220/240	50	3	690	1x200	400	+8/-25	+ 40	Ø 8	Ø 8	electrical	8	580	690	310
196030	MTA2.0 R/1400E			4	950	2x172	520				Ø 10		9			

Test conditions: Evaporating temperature -8°C / Δ T 10K / Condensing temperature +45°C  
 Condizioni di test: Temperatura evaporazione -8°C / Δ T 10K / Temperatura condensazione +45°C

NOTE: piping predisposed for thermostatic valve (not included, available on demand)  
 NOTA: tubazioni predisposte per valvola termostatica (non inclusa, disponibile su richiesta)

## MTA2.0 - Condensing Unit for remote application

## MTA2.0 - Unità Condensante per applicazione remota



CODE CODICE	MODEL MODELLO	Voltage/Frequency Alimentazione		Compressor Compensore					Thermostatic Expansion Valve Valvola Espansione Termostatica			Weight Peso	Dimensions Dimensioni			
		V	Hz	HP	Gas	Appl	W	W IN	A IN	ø in	ø out	Orifice	Kg	L	P	H
196050	UC2.0 HG/700	220/240	50	1/3 E	R404A	MBP	448	299	1,83	3/8	1/2	0X	17	340	500	270
196060	UC2.0 HG/1400			1/2 E			668	470	2,80							
196070	UC2.0 G/700			3/4 E	527	491	2,69									
196080	UC2.0 G/1400			1+ E	796	634	4,33	01	28							

Test conditions: MBP External temperature +32°C / Evaporating temperature -10°C / Condensing temperature +45°C  
 LBP External temperature +32°C / Evaporating temperature -30°C / Condensing temperature +45°C  
 Condizioni di test: MBP Temperatura esterna +32°C / Temperatura evaporazione -10°C / Temperatura condensazione +45°C  
 LBP Temperatura esterna +32°C / Temperatura evaporazione -30°C / Temperatura condensazione +45°C

NOTE: Condensing units with shut-off tap connections. Filters, sight glass and thermostatic valve included  
 NOTA: Unità condensante a rubinetti, completa di filtro, spia e valvola termostatica

## Code Reading

### Lettura modello

MTA2.0 | (H) | G | / | 700 | E

MONOBLOCK FOR CABINET  
 MONOBLOCCO A TAMPONE PER ARMADIO

Medium-high temperature - Media-alta temperatura= H  
 Medium temperature - Media temperatura= M  
 Low temperature - Bassa temperatura= empty vuoto

N = Natural defrost - Sbrinamento naturale  
 E = Electrical defrost - Sbrinamento elettrico  
 G = Hot gas defrost - Sbrinamento gas caldo  
 700 = Cabinet 700 l - Armadio 700 l  
 1400 = Cabinet 1400 l - Armadio 1400 l  
 G = R404A / R452A  
 Z = R134a  
 U = R290  
 R = Remote unit - Unità remota