



MISTRAL AT Units

*colder
than ever*



Agregaty chłodnicze typu monoblok do zabudowy



MISTRAL AT Units

Agregaty chłodnicze

Kompaktowe monobloki odpowiednie do sterowania dodatnimi i ujemnymi temperaturami w komorach chłodniczych, szybkie w instalacji, proste w użyciu, łatwe w utrzymaniu. Czynnik chłodniczy R404A (GWP = 3,922), inne czynniki na zapytanie.

Straddle-type monoblock units

Compact monoblocks for commercial refrigeration. Units suitable to control positive and negative cold rooms, quick to install, simple to use, easy to maintain. R404A refrigerant (GWP = 3.922), other on request.



codice code		ATN1030	ATN1050	ATN1060	ATN1075	ATN1100	ATN2100
forma form		1 (A - T*)	1 (A - T*)	1 (A - T*)	1 (A - T*)	1 (A - T*)	2 (A - T*)
tensione voltage	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
max ass. el. in marcia Max Run Amps	kW	0,68	0,71	0,92	1,16	1,36	1,47
tipo di compressore compressor type		Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic
volume spostato displacement	m ³ /h 50 Hz	1,53	2,11	2,49	3,03	3,90	3,90
tipo di sbrinamento defrost type		Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas
assorbim. in sbrinam. abs. during defrost	kW	0,7	0,7	1,1	1,1	1,7	1,7

CONDENSATORE - CONDENSER

ventole fans	n°x Ø (mm)	1x254	1x254	1x254	1x254	1x254	2x254
assorbim. ventole cad. fan absorption (each)	n°x W	1x68	1x68	1x68	1x68	1x68	2x68
portata aria airflow	m ³ /h	670	670	670	670	670	1340

EVAPORATORE - EVAPORATOR

ventole fans	n°x Ø (mm)	1x200	1x200	1x200	1x200	1x200	2x200
assorbim. ventole cad. fan absorption (each)	n°x W	1x38	1x38	1x38	1x38	1x38	2x38
portata aria airflow	m ³ /h	530	530	530	530	530	1050
freccia aria air-throw	m	5	5	5	5	5	5

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	48	49	49	54	55	73
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TABELLA DI SELEZIONE		SELECTION TABLE		spessore isolamento insulation thickness = 80 mm									
		ATN1030		ATN1050		ATN1060		ATN1075		ATN1100		ATN2100	
Ti °C	Ta °C	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³
-5	32	668	3,69	796	4,78	906	5,78	1117	7,85	1185	8,55	1730	14,56
	43	552	2,78	659	3,62	750	4,38	964	6,33	1034	7,02	1510	12,08
0	32	793	4,75	928	5,99	1056	7,23	1317	9,96	1423	11,11	2037	17,42
	43	660	3,63	776	4,60	876	5,51	1167	8,36	1271	9,45	1782	15,15
5	32	940	6,11	1097	7,64	1237	9,1	1555	12,58	1713	14,37	2403	22,41
	43	790	4,72	921	5,92	1035	7,03	1329	10,08	1489	11,84	2047	17,55

Legenda Legend

A	Accavallato Straddle
T	Tampone Through the wall
*	Opzione Option
Ta °C	Temperatura esterna Outside temperature
Ti °C	Temperatura della cella Coldroom temperature
Qo (W)	Potenza frigorifera Refrigerating power
V₁₀₀ m³	Volume della cella consigliato in m ³ con spessore isolamento 100 mm Suggested room volume in m ³ with insulation thickness 100 mm
V₈₀ m³	Volume della cella consigliato in m ³ con spessore isolamento 80 mm Suggested room volume in m ³ with insulation thickness 80 mm



codice code		ATN2122	ATN2120	ATN2130	ATN3150	ATN3200	ATN4250
forma form		2 (A - T*)	2 (A - T*)	2 (A - T*)	3 (A - T*)	3 (A - T*)	4 (A - T*)
tensione voltage	V/ph/Hz	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
max ass. el. in marcia Max Run Amps	kW	1,58	1,62	1,94	2,02	2,54	3,11
tipo di compressore compressor type		Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic
volume spostato displacement	m ³ /h 50 Hz	4,54	4,54	5,69	6,6	8,4	9,4
tipo di sbrinamento defrost type		Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas
assorbim. in sbrinam. abs. during defrost	kW	1,9	1,9	2,5	2,6	2,9	3,5

CONDENSATORE - CONDENSER

ventole fans	n°x Ø (mm)	2x254	2x254	2x254	1x300	1x300	1x350
assorbim. ventole cad. fan absorption (each)	n°x W	2x68	2x68	2x68	1x110	1x110	1x140
portata aria airflow	m ³ /h	1340	1340	1340	1550	1550	2280

EVAPORATORE - EVAPORATOR

ventole fans	n°x Ø (mm)	2x200	2x200	2x200	1x315	1x315	1x315
assorbim. ventole cad. fan absorption (each)	n°x W	2x38	2x38	2x38	1x95	1x95	1x140
portata aria airflow	m ³ /h	1050	1050	1050	1370	1370	2100
freccia aria air-throw	m	5	5	5	8	8	11

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	73	73	75	91	93	100
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TABELLA DI SELEZIONE		SELECTION TABLE		spessore isolamento insulation thickness = 80 mm									
		ATN2122		ATN2120		ATN2130		ATN3150		ATN3200		ATN4250	
Ti °C	Ta °C	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³	Qo (W)	V ₈₀ m ³
-5	32	1930	15,96	1925	15,9	2220	19,91	2798	27,86	3132	32,51	3742	41,1
	43	1616	13,27	1605	13,14	1864	16,08	2308	21,11	2505	23,81	3044	31,29
0	32	2258	20,43	2257	20,41	2612	25,29	3288	34,7	3632	39,55	4441	51,11
	43	1903	15,6	1902	15,58	2197	19,59	2720	26,78	2897	29,24	3604	39,16
5	32	2678	26,2	2637	25,63	3069	31,63	3848	42,62	4230	48,08	5309	63,75
	43	2245	20,25	2223	19,95	2577	24,81	3214	33,66	3360	35,71	4304	49,13

Legenda Legend	
A	Accavallato Straddle
T	Tampone Through the wall
*	Opzione Option
Ta °C	Temperatura esterna Outside temperature
Ti °C	Temperatura della cella Coldroom temperature
Qo (W)	Potenza frigorifera Refrigerating power
V ₁₀₀ m ³	Volume della cella consigliato in m ³ con spessore isolamento 100 mm Suggested room volume in m ³ with insulation thickness 100 mm
V ₈₀ m ³	Volume della cella consigliato in m ³ con spessore isolamento 80 mm Suggested room volume in m ³ with insulation thickness 80 mm



codice code		ATK1100	ATK1120	ATK1170	ATK2170	ATK2200
forma form		1 (A - T*)	1 (A - T*)	1 (A - T*)	2 (A - T*)	2 (A - T*)
tensione voltage	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50
max ass. el. in marcia Max Run Amps	kW	0,85	1,11	1,35	1,46	1,81
tipo di compressore compressor type		Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic
volume spostato displacement	m ³ /h 50 Hz	3,65	4,55	5,99	5,99	8,36
tipo di sbrinamento defrost type		Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas
assorbim. in sbrinam. abs. during defrost	kW	1	1,3	1,7	1,7	2,2

CONDENSATORE - CONDENSER

ventole fans	n°x Ø (mm)	1x254	1x254	1x254	2x254	2x254
assorbim. ventole cad. fan absorption (each)	n°x W	1x68	1x68	1x68	2x68	2x68
portata aria airflow	m ³ /h	670	670	670	1340	1340

EVAPORATORE - EVAPORATOR

ventole fans	n°x Ø (mm)	1x200	1x200	1x200	2x200	2x200
assorbim. ventole cad. fan absorption (each)	n°x W	1x38	1x38	1x38	2x38	2x38
portata aria airflow	m ³ /h	530	530	530	1050	1050
freccia aria air-throw	m	5	5	5	5	5

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	60	61	61	78	80
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TABELLA DI SELEZIONE SELECTION TABLE

spessore isolamento insulation thickness = 100 mm

		ATK1100		ATK1120		ATK1170		ATK2170		ATK2200	
Ti °C	Ta °C	Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³
-18	32	771	3,6	941	5,07	1107	6,69	1556	11,78	1909	15,19
	43	610	2,4	721	3,21	813	3,95	1215	7,83	1520	11,34
-22	32	658	2,73	829	4,08	971	5,35	1358	9,42	1620	12,57
	43	500	1,69	616	2,44	702	3,06	1033	5,95	1298	8,74
-25	32	579	2,19	712	3,14	871	4,44	1219	7,87	1426	10,22
	43	425	1,27	552	2,01	624	2,49	904	4,74	1131	6,94

Legenda Legend

A	Accavallato Straddle
T	Tampone Through the wall
*	Opzione Option
Ta °C	Temperatura esterna Outside temperature
Ti °C	Temperatura della cella Coldroom temperature
Qo (W)	Potenza frigorifera Refrigerating power
V₁₀₀ m³	Volume della cella consigliato in m ³ con spessore isolamento 100 mm Suggested room volume in m ³ with insulation thickness 100 mm
V₈₀ m³	Volume della cella consigliato in m ³ con spessore isolamento 80 mm Suggested room volume in m ³ with insulation thickness 80 mm



codice code		ATK2250	ATK3250	ATK3300	ATK3400	ATK4450
forma form		2 (A - T*)	3 (A - T*)	3 (A - T*)	3 (A - T*)	4 (A - T*)
tensione voltage	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
max ass. el. in marcia Max Run Amps	kW	2,63	2,56	2,4	3,18	3,9
tipo di compressore compressor type		Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic	Ermetico Hermetic
volume spostato displacement	m ³ /h 50 Hz	11,81	11,81	12,92	16,73	18,74
tipo di sbrinamento defrost type		Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas	Gas caldo By hot gas
assorbim. in sbrinam. abs. during defrost	kW	3,3	3,3	2,3	4,3	4,9

CONDENSATORE - CONDENSER

ventole fans	n°x Ø (mm)	2x254	1x300	1x300	1x300	1x350
assorbim. ventole cad. fan absorption (each)	n°x W	2x68	1x110	1x110	1x110	1x140
portata aria airflow	m ³ /h	1340	1470	1460	1460	2600

EVAPORATORE - EVAPORATOR

ventole fans	n°x Ø (mm)	2x200	1x315	1x315	1x315	1x350
assorbim. ventole cad. fan absorption (each)	n°x W	2x38	1x95	1x95	1x95	1x140
portata aria airflow	m ³ /h	1050	1370	1370	1370	2100
freccia aria air-throw	m	5	8	8	8	11

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	80	112	114	115	130
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TABELLA DI SELEZIONE SELECTION TABLE

spessore isolamento *insulation thickness* = 100 mm

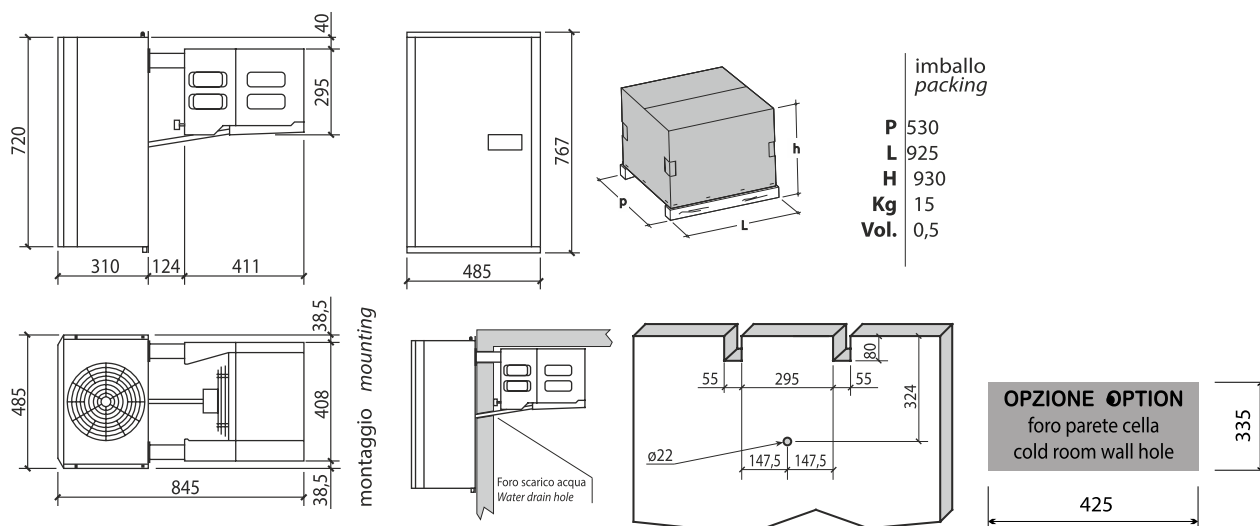
Ti °C	Ta °C	ATK2250		ATK3250		ATK3300		ATK3400		ATK4450	
		Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³	Qo (W)	V ₁₀₀ m ³
-18	32	2188	19,77	2412	23,53	2666	27,9	3068	35	3844	49,38
	43	1781	14,62	1896	16,12	2087	18,09	2372	22,85	2967	33,19
-22	32	1865	15,71	2070	17,81	2303	21,69	2621	27,12	3281	38,86
	43	1522	11,36	1610	12,45	1776	14,55	2027	17,11	2524	25,44
-25	32	1658	13,05	1803	14,9	2042	17,35	2291	21,49	2862	31,33
	43	1340	9,22	1400	9,91	1550	11,71	1764	14,4	2184	19,7

Legenda Legend

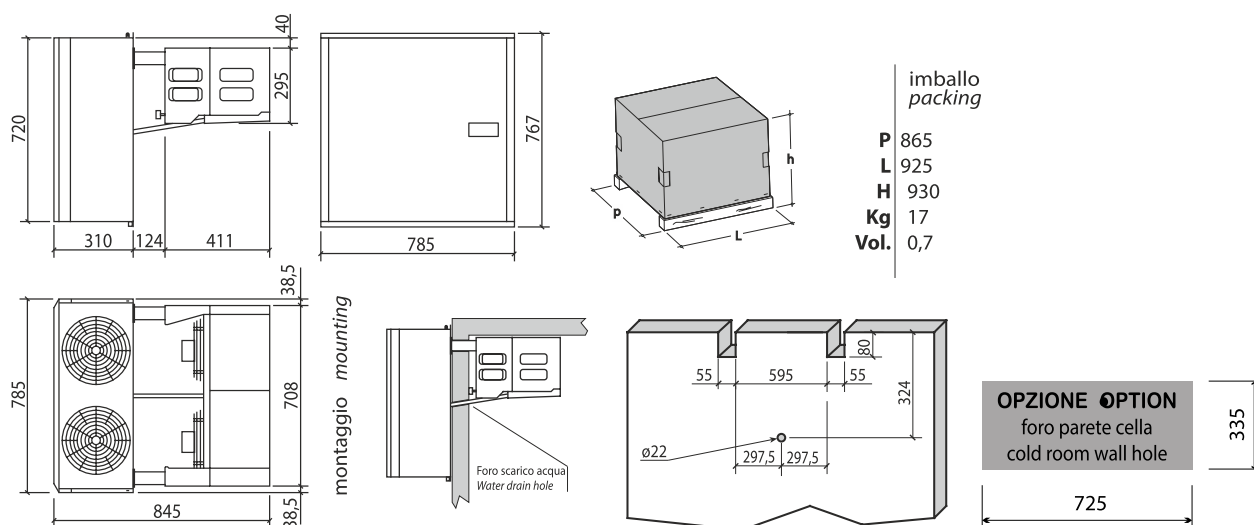
A	Accavallato <i>Straddle</i>
T	Tampone <i>Through the wall</i>
*	Opzione <i>Option</i>
Ta °C	Temperatura esterna <i>Outside temperature</i>
Ti °C	Temperatura della cella <i>Coldroom temperature</i>
Qo (W)	Potenza frigorifera <i>Refrigerating power</i>
V₁₀₀ m³	Volume della cella consigliato in m ³ con spessore isolamento 100 mm <i>Suggested room volume in m³ with insulation thickness 100 mm</i>
V₈₀ m³	Volume della cella consigliato in m ³ con spessore isolamento 80 mm <i>Suggested room volume in m³ with insulation thickness 80 mm</i>



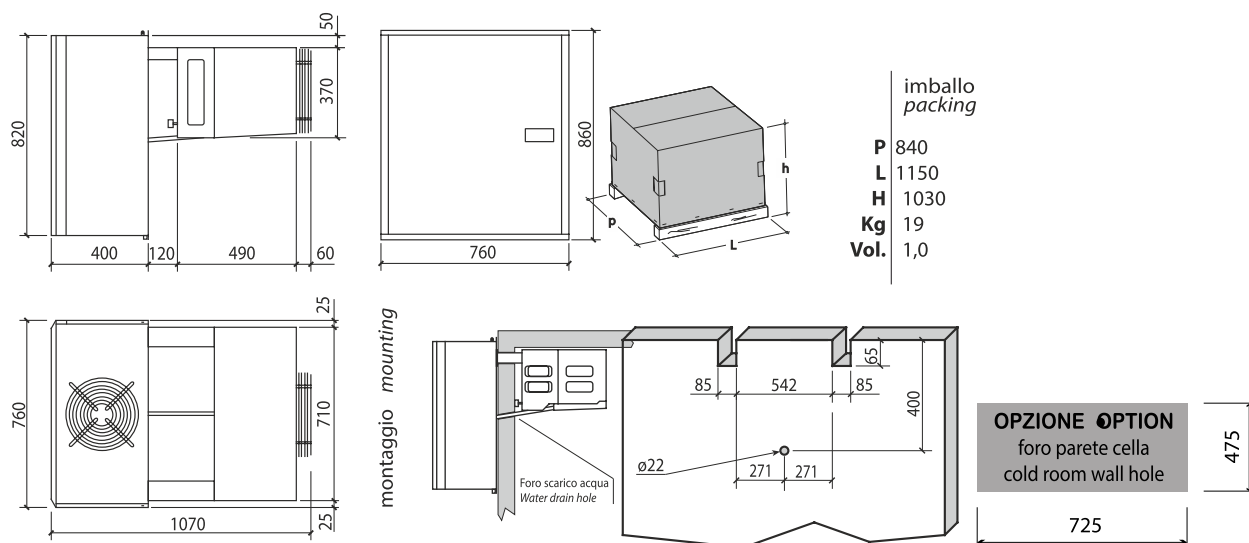
Dimensioni **Forma 1** *Form 1 Dimensions*



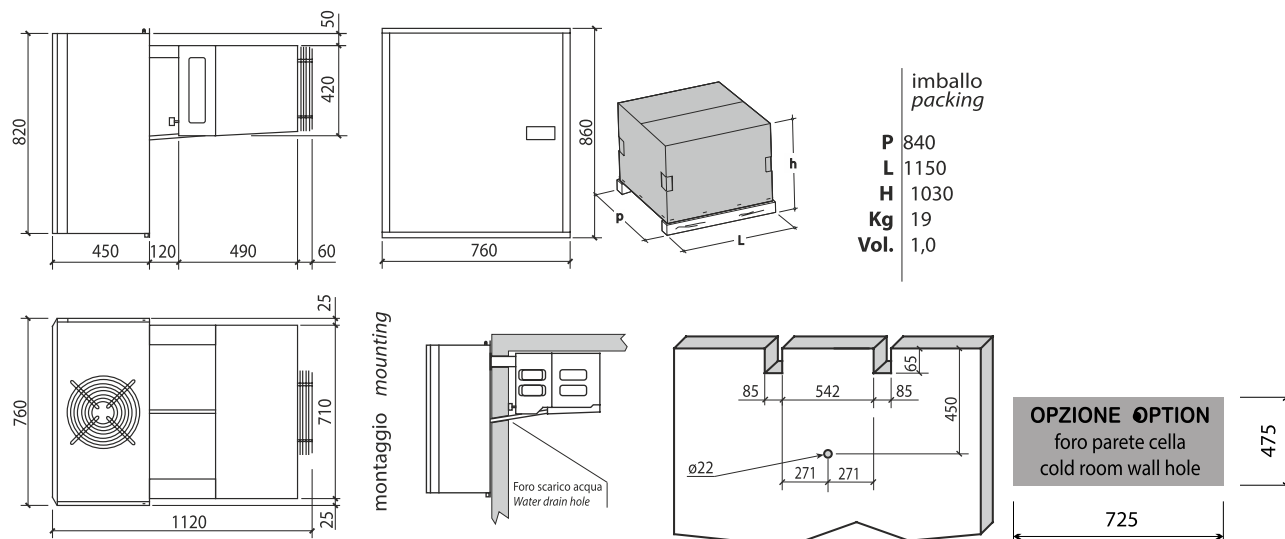
Dimensioni **Forma 2** *Form 2 Dimensions*



Dimensioni **Forma 3** *Form 3 Dimensions*



Dimensioni **Forma 4** *Form 4 Dimensions*



CONDIZIONI DI CALCOLO VOLUMI - *VOLUME CALCULATION CONDITIONS*

Versione <i>Version</i>	Tc °C	d Kg / m ³	Csp Kcal / Kg °C	h	sp mm	Ti °C	mov %
N Media temp. <i>Medium Temp.</i>	0	250	0,77	18	80 - 100	25	10
K Bassa temp. <i>Low Temp.</i>	-20	250	0,44	18	80 - 100	-5	10

Legenda *Legend*

N	Temperatura esercizio - <i>Working temperature: +5 °C / -5 °C</i>
K	Temperatura esercizio - <i>Working temperature: -18 °C / -25 °C</i>
Tc	Temperatura cella - <i>Coldroom temperature</i>
d	Densità di carico - <i>Load density</i>
Csp	Calore specifico prodotto - <i>Product specific heat</i>
h	Ore processo prodotto Prod. - <i>Process duration</i>
sp	Spessore isolamento - <i>Insulation thickness</i>
Ti	Temperatura di introduzione prodotto - <i>Product entering temp.</i>
mov	Movimentazione giornaliera prodotto - <i>Product daily turnover</i>

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OFERTA FIRMY TECHNOBLOCK

MISTRAL



Monobloki chłodnicze
do montażu na ścianę i dach



BORA



**Urządzenia typu
splity i bi-bloki**
dla chłodnictwa
komercyjnego i przemysłowego



NORTE



**Agregaty skraplające
jedno i wielosprężarkowe**
dla małego i przemysłowego chłodnictwa



TAKU



**Agregaty wody lodowej
Chillery**



ALIZÈ



Chłodnice i skraplacze



GHIBLI



Specjalne urządzenia chłodnicze

Pompy ciepła dedykowane do ogrzewania basenów
Sezonowanie i suszenie
Urządzenia do przechowywania wina





technoblock



MISTRAL AE Units

Colder than ever



PED Certification
Bureau Veritas Italia SpA
n° 1370



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