FLATWORK DRYER IRONERS



WHEN PERFECT IRONING IS A MUST

Danube International supplies a full range of cylinder heated long lasting flatwork dryer ironers. Simple or equipped with sophisticated devices, these machines are designed for high performance and energy savings.

Danube range of flatwork ironers are built to meet the needs of hotels, healthcare facilities, nursing homes and on premises laundries. Designed to improve the production efficiency of our customers and to reduce operating costs, they are recognized among the dryer ironers to be functional and safely easy to use. Innovative and compact, they save space and offer various options which make them adaptable to most of the requirements.

4 ranges are available:

- \varnothing 200 and 325 mm roll with new working widths and new BM control to be more productive, more efficient and suitable for most needs.
- \varnothing 500 and 650 mm with ET2 control, fully programmable, allowing significative energy and time savings thanks to numerous standard features or options.





RANGE OF MODELS

FLATWORK IRONERS - Ø 200 mm BM							
CONTROL TYPE	LIFATING	WORKING WIDTH	WORKING WIDTH				
	HEATING	1,40 m	1,60 m	2 m			
BM control	Electric	MICRA-14 BM	MICRA-16 BM	MICRA-20 BM			

NEW

FLATWORK IRONERS - Ø 325 mm BM						
CONTROL TYPE	HEATING	WORKING WIDTH				
		1,40 m	1,60 m	2 m		
BM control	Electric or gas (G)	D-14 BM	D-16 BM	D-20 BM		

NEW

FLATWORK IRONERS Ø 325 MM - GOLD							
CONTROL TYPE	HEATING	WORKING WIDTH					
		2 m	2,60 m	3,30 m			
BM control	Electric or gas (GR)	D-20 GOLD	D-26 GOLD	D-33 GOLD			

NEW

FLATWORK IRONERS - Ø 500 mm ET2 GOLD						
CONTROL TYPE	HEATING	WORKING WIDTH				
		2 m	2,60 m	3,3 m		
ET2 control	Electric, gas (G - GR) or steam	M-20 ET2	M-26 ET2	M-33 ET2		

FLATWORK IRONERS - Ø 650 mm ET2 GOLD							
CONTROL TYPE	LIEATING	WORKING WIDTH					
CONTROL TYPE	HEATING	2 m	2,60 m	3,3 m			
ET2 control	Electric, gas (GR) or steam	G-20 ET2	G-26 ET2	G-33 ET2			

HEATING CODES: E = ELECTRIC, G = GAS, GR = RADIANT GAS, S = STEAM

DRYING IRONING



Ø 200 mm

MICRA RANGE: MICRA-BM

- Ories and irons flat linen directly from a high spin washer extractor in a single operation
- Front feeding and return
- **⊘** Electric heating
- Sizes: 1,40 m / 1,60 m / 2 m
- New BM control: selection of speed and temperature. AUTO mode: automatic adjustment of the ironing speed according to the temperature selected
- ☑ Ironing speed: 1,5 to 6 m/min
- Motor with speed inverter
- Skinplate and stainless-steel panels

DRYING IRONING



Ø 325 mm

DELTA RANGE: D-BM

- Ories and irons flat linen directly from a high spin washer extractor in a single operation
- Front feeding and return
- S Electric or gas heating (atmospheric burners)
- **⊘** Sizes: 1,40 m / 1,60 m / 2 m
- New BM control: selection of speed and temperature. AUTO mode: automatic adjustment of the ironing speed according to the temperature selected
- ☑ Ironing speed: 1,5 to 10 m/min
- Motor with speed inverter
- Skinplate and stainless-steel panels

OPTIONS:

CARE IRON : humidity control with automatic ironing speed regulation Nickel plate cylinder

Ø 325 mm GOLD

DELTA RANGE: D-GOLD (EFFICIENT RANGE)

- Ories and irons flat linen directly from a high spin washer extractor in a single operation
- Electric or gas heating (Radiant burners)
- **⊘** Sizes: 2 m / 2,60 m / 3,30 m
- New BM control: selection of speed and temperature. AUTO mode: automatic adjustment of the ironing speed according to the temperature selected
- ✓ Ironing speed: 1,5 to 12 m/min
- Motor with speed inverter
- ✓ Ironing by NOMEX belts
- Skinplate and stainless-steel panels

OPTIONS:

CARE IRON : humidity control with automatic ironing speed regulation Nickel plate cylinder

Ø 200 / Ø 325 mm



NEW BM CONTROL

- · 3 selectable operating modes:
- 1. MANUAL MODE: Selection of speed and temperature
- 2. AUTO MODE: automatic adjustment of the ironing speed according to the temperature selected
- 3. CARE IRON humidity mode (option for ø 325 mm): automatic adjustment of ironing speed according to the humidity detected in the laundry



ROBUSTNESS

- · Roll driving by inverter: smooth operation preventing the wear of belts and mechanical elements
- · Skinplate and stainless steel panels: long lasting
- · NOMEX quality ironing belts: high temperature resistant
- · Optional nickel plate roll: anticorrosive, more durable (ø 325 mm only, not available on ø 200 mm)



EFFICIENCY

- CARE IRON: automatic regulation of ironing speed according to residual moisture, energy economizer (Option on ø 325 mm)
- · Good heat conduction thanks to the roll material and its thickness: greater control of energy expenditure
- . Fume circulation circuit from the bottom reducing energy consumption
- Automatic shutdown at 80°C: increases life time of ironing belts. Adjustable with BM control
- Accurate temperature control and lower energy consumption
- · Gas model with radiant burners: better hourly output by 25 %, time and energy savings



VERSATILITY

GOLD ranges:

 Gas radiant burner model : flexibility for a better production (25 % increase) or adaptation to high level places

EASY MAINTENANCE

- · Easy access to all components on both sides of the
- · Compact dimensions: save place



- · Acoustic comfort: 65 dba max.
- Acoustic comfort: 65 and max.
 Skinplate and stainless steel panels: easy to clean, better hygiene (RABC compliance)
 Minimal encumbrance: space saving
 New BM control: user-friendly and easy to read
 Appropriate working height: 990 mm feeding bands





Display of temperature and speed: easy to read

Adjustable temperature and ironing speed

With manual mode: better ironing management, accurate and adaptable

Auto mode

Automatically maintains the selected ironing temperature without intervention, heating performance, better output, energy savings

Care Iron

Option (available on ø 325 mm): possibility to select this mode to automatically adapt the ironing speed according to the residual moisture of the laundry



The new Gold ranges come with several energy and time saving features

Care Iron

Automatic regulation of ironing speed according to residual moisture, energy economizer (option on \emptyset 325 mm)

Accurate temperature control

Thanks to new BM control with temperature selection

Automatic shutdown at 80 °C

Increases the life time of ironing belts

Good heat conduction

Thanks to the material of the roll and its thickness: greater control of the energy expenditure

Radiant gas burner heated model

hourly output is increased by 25 %: time and energy savings





Our flatwork ironers have been designed to last and preserve main components as much as possible



Nomex quality ironing belts

High temperature resistant

Skinplate and stainless steel panels

Long lasting and easy to clean

Roll driving by inverter

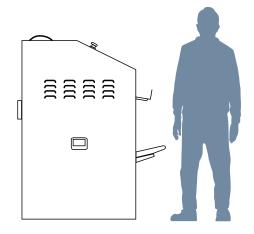
Smooth operation preventing the wear of belts and mechanical elements

Nickel plate roll (opt.)

Anti-corrosive, more durable (option ø 325 mm)



As health and safety at work had become an important issue, our equipment is designed to be the most comfortable for users



Acoustic comfort

65 dba max.

Skinplate and stainless steel panels

Easy to clean, better hygiene: RABC compliance

Motor with inverter

Providing a gradual acceleration, soft use

Minimal encumbrance

Save space, fits in most of areas

User friendly control

New BM electronic control. Selection of an adaptable speed and temperature. Auto mode enabling an automatic ironing operation

Appropriate operating height

990 mm at feeding bands



One of DANUBE concerns is to make life easier for our clients. That includes offering quality equipment and parts of reputed brands, which demand little maintenance

One electrical connection and exhaust required

Easy access to all components

On both sides of the machine

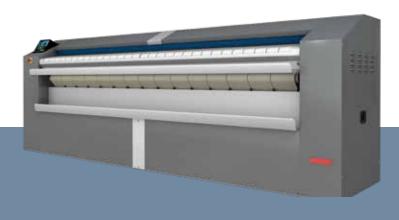
Minimal encumbrance

Fits most spaces





DRYING IRONING FOLDING (OPT)

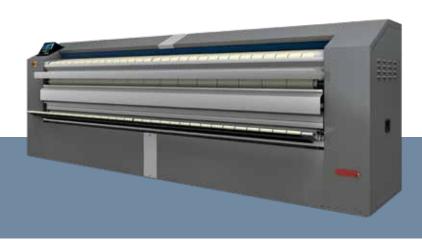


Ø 500 MM GOLD

MAXIMA RANGE: M-ET2 (EFFICIENT RANGE)

- Tries and irons flat linen directly from a high spin washer extractor in a single operation
- Front feeding and return
- Steetric, gas or steam heating. Radiant gas burner model available
- Sizes: 2 m / 2,60 m / 3,30 m
- programmable, 5 preset programs
- ☑ Ironing speed: 1,5 to 8 m/min
- Reversing roll as standard
- Motor with speed inverter
- Built-in cool down system
- Skinplate and stainless steel panels
- **⊘** OPTIONS:
 - CARE IRON Humidity control with automatic ironing speed regulation
 - Nickel plate cylinder
 - HPS: high productivity system with ironing speed until 15 m/mn and reduced speed for feeding help
 - Built-in lengthwise folder with or without rear exit

DRYING IRONING FOLDING (OPT)



Ø 650 MM GOLD

GIGA RANGE: G-ET2 (EFFICIENT RANGE)

- Dries and irons flat linen directly from a high spin washer extractor in a single operation
- Front feeding and return
- S Electric, radiant gas or steam heating
- Sizes: 2 m / 2,60 m / 3,30 m
- programmable, 5 preset programs
- ☑ Ironing speed: 1,5 to 15 m/min
- Reversing roll as standard
- Motor with speed inverter
- Built-in cool down system
- Skinplate and stainless steel panels
- G CARE IRON Humidity control with automatic ironing speed regulation as standard
- HPS: high productivity system with ironing speed until 15 m/mn and reduced speed for feeding help as standard
- **⊘** OPTIONS:
 - Nickel plate cylinder
 - Built-in lengthwise folder with or without rear exit

Ø 500 / Ø 650 mm



EASY TOUCH 2

- · Fully programmable ET2 control with 7" touch screen
- · 5 preset programs
- · 38 available languages
- · USB Connection: PC software free of charge for programming, traceability, data analyses...
- · Connectivity ready
- . Reversing roll as standard



ROBUSTNESS

- · Roll driving by inverter: smooth operation preventing the wear of belts and mechanical elements
- · Skinplate and stainless steel panels: long lasting
- · NOMEX quality ironing belts: high temperature resistant
- · Optional: nickel plate roll anticorrosive, more durable



EFFICIENCY

- · CARE IRON: automatic regulation of ironing speed according to residual moisture, energy economizer (standard on ø 650 mm, optional on ø 500 mm)
- · Good heat conduction thanks to the roll material and its thickness: greater control of energy expenditure
- Fume circulation circuit from the bottom reducing energy consumption
- · Automatic shutdown at 80°C: increases life time of ironing belts
- Accurate temperature control and lower energy consumption
- · Gas model with radiant burners: better hourly output by 25 %, time and energy savings
- · HPS: high production system with automatic adjustment of ironing speed, lowered for feeding and increased up to 15 m/min for an optimized production (standard on ø 650 mm, optional on ø 500 mm)



VERSATILITY

- · Radiant gas burner model : flexibility for a better production (25 % increase) or adaptation to high level places
- · Built-in lengthwise folder
- · Rear exit (only available with lengthwise folder)
- . Possibility of adding an independant crossfolder and stacker



EASY MAINTENANCE

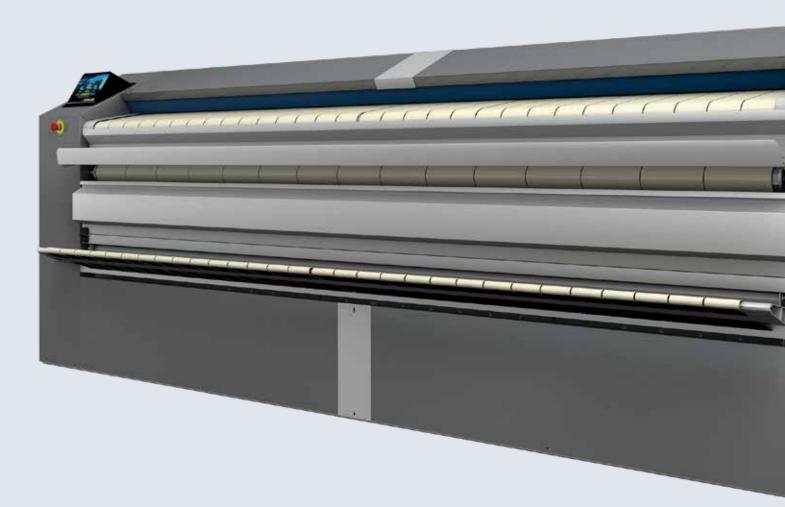
- · Easy access to all components on both sides of the machine
- · Compact dimensions: save place, same dimensions with built-in folder for easier installation
- · No specific installation required : electricity and
- · Remote communication: quick intervention



- · Acoustic comfort: 65 dba max.
- · Skinplate and stainless steel panels: easy to clean, better hygiene (RABC compliance)
- Minimal encumbrance: space saving
 ET2 microprocessor: fully and easily programmable, easy to read with large display
 Appropriate working height: 1.120 mm at feeding
- bands



- · Remote technical service: machine monitoring, error warning, traceability and statistics. Remote desk and date recovery for technicians and maintenance, software update, etc.
- · Laundry management: DANUBE IoT solution allows to monitor and manage your laundry





Touch Screen 7"

Coloured touch screen: 7" touchscreen Fully programmable: 5 preset programs, customization of programs according to each need



38 languages

Available and easy to configurate, thanks to DANUBE aim to be accessible to everyone



USB connection

PC software free of charge for programming, traceability, data analyses...

IoT Danube Online

The ET2 control allows to receive information through the cloud for traceability and statistics enabling a good analysis to ensure the best hygiene











Owners

INTERNET THINGS

DANUBE Online gives you the peace of mind of having control of your business. All you need to do is connect your machines to internet (using an Ethernet cable) and you can supervise your business from home or the office, without physically going to the laundry

Customers require reliability and efficiency, and you want to provide them. Having the traceability of washing and drying cycles is essential to ensure **maximum** hygiene

Configure the dashboards, profiles and graphs which best help you to assess and closely monitor your business or businesses in real time. You can view historical or progress data, by machine or groups

Quick action means efficiency for your business. Confirm technical information such as machine status, historical data, breakdowns and errors, in order to have the machine back up and running as fast as possible

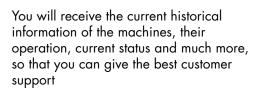
Share the information and management with whoever you choose: internal or external technicians, collaborators, for the mutual benefit of all

Prepare special offers, send out news and reach your customers directly to win their loyalty

ODANUBE



Dealers



- + communication
- + usability
- + control



Technical service

Remote information on machine status, error reporting, history, to facilitate anytime software updates and immediate diagnostics, as well as to reduce technical interventions and trips

- + information
- + accuracy
- + control



Extremely safe communication

The APP notifies you of the end of the cycle via e-mail

Manage and organize your expenditure with information such as accumulated turnover

You will receive special offers, discounts and news conveniently on your mobile phone

APP with payment gateway, payments using QR code



The Gold ranges come with several energy and time saving features

Care Iron

Automatic regulation of ironing speed according to residual moisture, energy economizer

Accurate temperature control

Thanks to the microprocessor (except steam models): lower energy consumption

Automatic shutdown at 80 °C

Increases the life time of ironing belts

Good heat conduction

Thanks to the material of the roll and its thickness: greater control of the energy expenditure

Radiant gas burner heated model

hourly output is increased by 25 %: time and energy savings

HPS system (High Production Speed)

Automatic adjustment of ironing speed, lowered for feeding and increased for higher production up to 15 m/ min. (option on Ø 500 mm and standard on Ø 650 mm)





Our flatwork ironers have been designed to last and preserve main components as much as possible



Nomex quality ironing belts

High temperature resistant

Skinplate and stainless steel panels

Long lasting and easy to clean

Roll driving by inverter

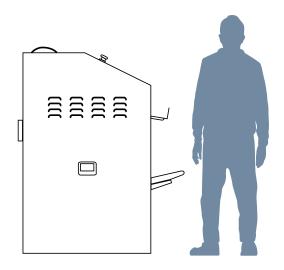
Smooth operation preventing the wear of belts and mechanical elements

Nickel plate roll (opt.)

Anti-corrosive, more durable



As health and safety at work had become an important issue, our equipment is designed to be the most comfortable for users



Acoustic comfort

65 dba max.

Skinplate and stainless steel panels

Easy to clean, better hygiene: RABC compliance

Minimal encumbrance

Both ø 500 and 650 mm models with identical dimensions to fit most spaces.

Built-in lengthwise folder to keep the same dimensions as the ironer

Motor with inverter

Providing a gradual acceleration, soft use

User friendly control

ET2 with large touchscreen, fully programmable

Appropriate operating height

1120 mm at feeding bands



Our Gold flatwork ironers have been designed to be equipped with several options in order to meet all kind of requirements

Radiant gas burner

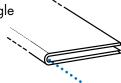
Flexibility for a better production or adaptation to high level places with less oxygen

Rear Exit (with folder)

As option with the built-in lengthwise folder, making easier handling operations

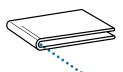
Integrated lengthwise folder as option

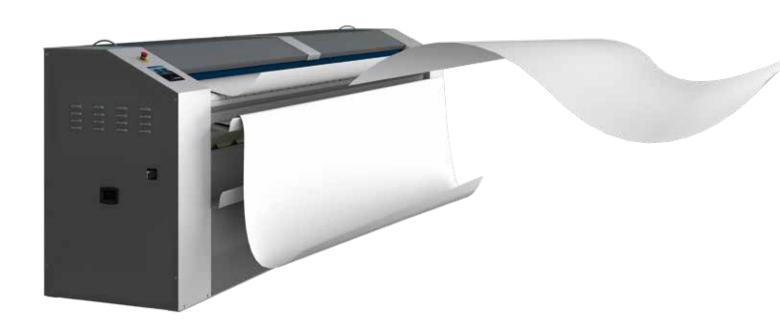
Do not take more place than the single ironer, same encumbrance for ø 500 & 650 models



Cross folder

Possibility of adding an external cross folder and stacker to increase productivity (only with model equipped with folder + rear exit)







One of DANUBE concerns is to make life easier for our clients. That includes offering quality equipment and parts of reputed brands, which demand little maintenance

One electrical connection and exhaust required

Minimal encumbrance

Fits most spaces

Easy access to all components

On both sides of the machine

Remote communication with ET2

Quicker intervention

Technical menu with ET2



FLATWORK IRONERS TECHNICAL DATA

		Ø 200				Ø 325				
	UNIT.		MICRA-16		D-14 BM	D-16 BM	D-20 BM	D-20	D-26	D-33
CENERAL RETAILS	01411.	BM	ВМ	ВМ	D-14 DIN	D=10 DM	D-20 Din	GOLD	GOLD	GOLD
GENERAL DETAILS										
Theorical production 45% humidity	14 (1					05.00		45.50		
Electric heating	Kg/h	10 - 12	13 - 15	19 - 21	15 - 18	25 - 30	35 - 40	45 - 50	55 - 60	80 - 85
Gas atmo heating	Kg/h	N/A	N/A	N/A	15 - 18	25 - 30	35 - 40	N/A	N/A	N/A
Radiant gas heating	Kg/h	N/A	N/A	N/A	N/A	N/A	N/A	60 - 65	75 - 80	100 - 105
Steam heating	Kg/h	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roll Ø	mm	200	200	200	325	325	325	325	325	325
Working width	mm	1.400	1.600	2.000	1.400	1.600	2.000	2.000	2.600	3.300
Height floor-feeding belts	mm	990	990	990	990	990	990	990	990	990
Working speed	mt/min	1.5 - 6	1.5 - 6	1.5 - 6	1.5 - 10	1.5 - 10	1.5 - 10	1.5 - 12	1.5 - 12	1.5 - 12
Control		ВМ	ВМ	ВМ	BM	ВМ	ВМ	BM	BM	BM
No. Programs	N°	2	standard mo	des	2	standard mo	des	2	standard mo	des
Length folder	N°	No	No	No	No	No	No	No	No	No
Large surface contact with linen	0	270	270	270	270	270	270	270	270	270
POWER										
Electric										
Heating power	Kw	10,5	12	18	12	16,2	21	31,5	40,5	54
Total electric power	Kw	10,84	12,34	18,37	12,37	16,57	21,49	32,02	41,02	54,52
Gas										
Heating power	Kw	_	_	_	14	22,5	30	40	55	69
Total electric power	Kw	_	_	_	0,37	0,37	0,49	0,52	0,52	0,52
Steam									·	<u> </u>
Heating power	Kw	_	_	_	_	_	_	_	_	_
Total electric power	Kw	_	_	_	_	_	_	_	_	_
Steam comsumption	Kg/h	_		_	_	_	_	_	_	_
Roll motor power	Kw	0,28	0,28	0,28	0,28	0,28	0,28	0,37	0,37	0,37
Fan motor power	Kw	0,09	0,09	0,09	0,12	0,12	0,12 x 2	0,12 x 2	0,12 x 2	0,12 x 2
CONNECTIONS		0,0,	0,0,	0,0,	07.2	0/.2	0/. Z X Z	0/12 X 2	0/. Z X Z	0/.2 X 2
Ø Gas inlet	BSP	_		_	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Ø Steam inlet	BSP		_	_	-			-		-
Ø Condensed (Steam models)	BSP							_		
DIMENSIONS	DOI	_	_	-	_	_	_	_	_	_
Width	ma ma	1878	2128	2478	1952	2202	2552	2552	3202	3852
	mm			444* (666)	686	686	686	686	686	686
Depth	mm	, ,	, ,	, ,						
Height	mm	1110	1110	1110	1112	1112	1112	1112	1112	1112
Weight	Kg	180	203	237	330	385	435	435	545	655
PACKING DIMENSIONS		2120	22.40	2700	22.40	22.40	2700	2700	2.420	2000
Width	mm	2130	2340	2780	2340	2340	2780	2780	3430	3980
Depth	mm	770	770	770	770	770	770	770	770	770
Height	mm	1400	1400	1400	1400	1400	1400	1400	1400	1400
Weight	Kg	220	240	275	365	405	458	458	585	700
Volume	m3	2,30	2,52	3,00	2,52	2,52	3,00	3,00	3,70	4,29
OTHERS	,									
No. Fume outlet	N°	1	1	1	1	1	2	2	2	2
Ø Fume outlet	mm	83	83	83	98	98	98	98	98	98
Air flow	m3/h	300	300	300	500	500	1000	1000	1000	1000
Noise Level	dB	55	55	55	60	60	63	63	63	63
Evaporation power	l/h	8 - 10	8 - 10	8 - 10	7 - 14	14 - 21	21 - 28	21 - 28	24 - 31	28 - 35
Additional ELECTRIC POWER for folder option	kW	-	_	-	-	_	_	_	-	_
Additional ELECTRIC POWER for folder rear exit option	kW	-	-	-	-	-	-	_	-	-

 * Rear fan removed DANUBE reserves the right to modify the technical data without notice

		Ø 500			G (F0			
		Ø 500			Ø 650			
	UNIT.	M-20 ET2	M-26 ET2	M-33 ET2	G-20 ET2	G-26 ET2	G-33 ET2	
GENERAL DETAILS								
Theorical production 45% humidity								
Electric heating	Kg/h	50 - 70	60 - 80	80 - 120	85 - 90	110-115	150 - 160	
Gas atmo heating	Kg/h	50 - 70	60 - 80	80 - 120	N/A	N/A	N/A	
Radiant gas heating	Kg/h	85 - 90	90 - 110	130 - 145	95 - 115	125 - 130	160 - 180	
Steam heating	Kg/h	50 - 70	60 - 80	80 - 120	85 -90	110 - 115	150 - 160	
Roll Ø	mm	500	500	500	650	650	650	
Working width	mm	2.000	2.600	3.300	2.000	2.600	3.300	
Height floor-feeding belts	mm	1.120	1.120	1.120	1.120	1.120	1.120	
Working speed	mt/min	1 - 8	1 - 8	1 - 8	1 - 15	1 - 15	1 - 15	
Control		ET2	ET2	ET2	ET2	ET2	ET2	
No. Programs	N°		5 preset program	ıs		5 preset program	ıs	
Length folder	N°	Opt	Opt	Opt	Opt	Opt	Opt	
Large surface contact with linen	0	310	310	310	310	310	310	
POWER								
Electric								
Heating power	Kw	31,5	40,5	54	42	54	72	
Total electric power	Kw	32,12	41,37	54,87	43,05	55,05	73,05	
Gas								
Heating power	Kw	40	55	69	52	69	78	
Total electric power	Kw	0,62	0,87	0,87	1,05	1,05	1,05	
Steam								
Heating power	Kw	50	64	81	60	76	97	
Total electric power	Kw	0,62	0,87	0,87	1,05	1,05	1,05	
Steam comsumption	Kg/h	50	67	85	60	80	102	
Roll motor power	Kw	0,37	0,37	0,37	0,55	0,55	0,55	
Fan motor power	Kw	0,25	0,25 x 2	0,25 x 2	0,25 x 2	0,25 x 2	0,25 x 2	
CONNECTIONS								
Ø Gas inlet	BSP	1"	1"	1"	1/2"	1/2"	1/2"	
Ø Steam inlet	BSP	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
Ø Condensed (Steam models)	BSP	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
DIMENSIONS								
Width	mm	2845	3445	4145	2845	3445	4145	
Depth	mm	1070	1070	1070	1070	1070	1070	
Height	mm	1420	1420	1420	1420	1420	1420	
Weight	Kg	930	1180	1430	1189	151 <i>7</i>	1765	
PACKING DIMENSIONS		03.45	27 / -	=	03.45	07.1	=	
Width	mm	3145	3745	4445	3145	3745	4445	
Depth	mm	1153	1153	1153	1153	1153	1153	
Height	mm	1672	1672	1672	1672	1672	1672	
Weight	Kg	972	1470	1480	1231	1567	1815	
Volume	m3	6,06	7,22	8,57	6,06	7,22	8,57	
OTHERS	k 10	1	0	0	2	2	0	
No. Fume outlet	N°	152	2	2	2	2	2	
Ø Fume outlet	mm 2 /L	153	153	153	153	153	153	
Air flow	m3/h	600	1200	1200	1200	1200	1200	
Noise Level	dB	65	65	65	65	65	65	
Evaporation power Additional ELECTRIC POWER for	l/h	35 - 49	42 - 56	56 - 84	45 - 63	55 - 73	73 - 110	
folder option Additional ELECTRIC POWER for	kW	0,56	0,56	0,56	0,56	0,56	0,56	
folder rear exit option	kW	0,74	0,74	0,74	0,74	0,74	0,74	

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FLATWORK DRYER IRONERS

