



Installation plan Commercial flatwork ironer PRI 210 PRI 214 PRI 217

It is **essential** to read these instructions before installing and using the appliance. This prevents both personal injury and damage to the appliance.

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Installation requirements

The flatwork ironer may only be commissioned by Miele Professional Service or by a Miele authorised technician.

- ▶ The flatwork ironer must be installed in accordance with applicable regulations and standards. Local energy supplier regulations must also be observed.
- ▶ This flatwork ironer must only be operated in a room that has sufficient ventilation and is frost-free.

Storage

The following conditions must be observed for transport and storage of this machine:

- Ambient temperature: -25 °C to +55 °C
- Humidity: 5 % to 75 %, non-condensing
- Maximum storage period: 2 years

Operating conditions

- Ambient temperature: +5 °C to +40 °C
- Humidity: 10% to 85%
- At ++21 °C ambient temperature, the maximum permissible relative humidity is 70%.

⚠ This flatwork ironer should not be operated in the same room as dry-cleaning equipment using perchloroethylene or solvents containing CFCs.

Collector motor sparking may convert solvent vapours into hydrochloric acid which can lead to consequential damage. Ensure adequate ventilation is present in the room in which the ironer is installed whilst it is being used.

Installation and planning notes

Installation

The flatwork ironer should be transported to the installation site using a forklift. Do not remove the packaging until right before commissioning.

This ironer must be transported or lifted from the wooden frame only with the lateral mounting flaps fitted.

Lift the machine off its wooden frame at the installation site. Firstly remove the clamps from the supporting feet. The clamps can be used after installation for securing the flatwork ironer to the floor (see “Floor anchoring”).

The suspension points for lifting hooks/straps are located under the side columns between the screw-on feet.

During installation, ensure that the clearance next to and behind the machine columns amounts to at least 600 mm so that the side cladding remains accessible.

The flatwork ironer should be set up so that the light shines onto the infeed table as parallel as possible.

The clearance in front of the ironer must amount to at least 1.5 m to prevent foreign materials (furniture, walls) from getting hot. There should be a clearance of at least 1 m above the machine.

A base and anchoring means are not necessary.

During transportation of the machine, pay attention to its stability. The ironer may not be transported without the wooden frame (e.g. if it needs to be moved to a new location). If it needs to be moved, lift it onto the wooden frame and secure it in position.

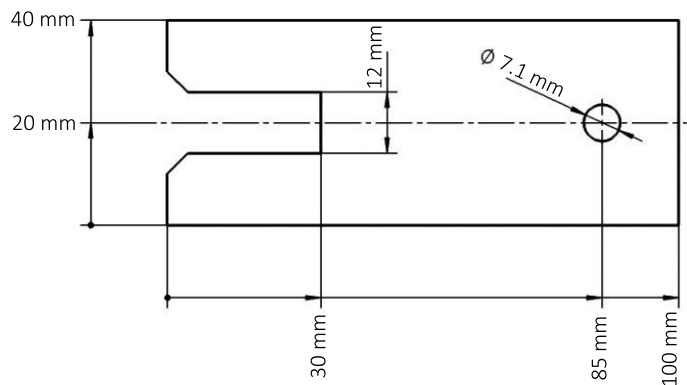
Levelling the machine

To ensure the ironer functions correctly and energy efficiently, it must be levelled horizontally by means of the screw-on feet.

- Dismantle the mounting flaps on the left and right sides.
- Align the machine using the screw-on feet and a spirit level in such a way that the roller and the side columns are level with each other. For this purpose, the supporting feet can be unscrewed up to a maximum of 60 mm.
- After aligning the machine counter hold the screw-on feet with the nuts so they cannot come loose.

Floor anchoring

Suitable anchoring material for the flatwork ironer is available as optional accessories from the Miele Professional Service Department. Alternatively, the clamps that secured the flatwork ironer to the transport pallet may be used to anchor the machine to the floor.



Clamps from the transport pallet

Installation and planning notes

Electrical connection

The electrical connection must be carried out by a qualified electrician who must ensure that all electrical work is carried out in accordance with applicable regulations and standards.

In case of unfavourable mains conditions, the machine may lead to interfering voltage fluctuations. If the mains impedance is greater than 0.175 ohm at the connection point to the public mains, additional measures may be required before the machine can be properly operated at this connection. The mains impedance can be requested from the local power supply company.

The electrical connection and wiring diagram are located behind the mounting flap of the right side column.

The required voltage, rated load and fuse rating can be found on the data plate on the flatwork ironer.

Connection to a supply voltage other than the one quoted on the data plate can lead to functional faults and damage to the flatwork ironer.

Before connecting the machine to the electricity supply, please ensure that the mains supply voltage complies with the values given on the data plate.

The electrical equipment of the machine complies with standards IEC/EN/AS/NZS 60335-1, IEC/EN/AS/NZS 60335-2-44.

If the machine is hard-wired, an all-pole means of deactivation must be installed. Switches with a minimum contact gap greater than 3 mm are suitable isolators. These include circuit breakers, fuses, and contactors.

The plug connectors or isolator switch should be easily accessible for servicing work.

If the machine is disconnected from the electricity supply, ensure adequate measures are taken to ensure that the machine cannot be reconnected to the electricity supply until all work has been carried out.

If it is necessary to install a residual current device (RCD) in accordance with the local regulations, a residual current device type A can be used.

Exhaust ducting

⚠ The exhaust air ducting that is installed for the flatwork ironer on-site must not be channelled into a chimney or flue already in use for any gas-, coal- or oil-burning installation. The exhaust ducting must also be installed separately from the exhaust ducting of any dryer.

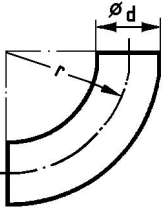
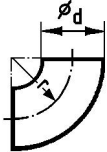
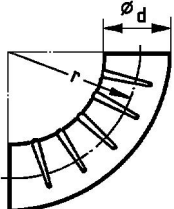
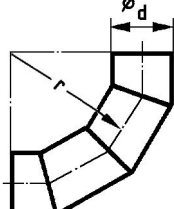
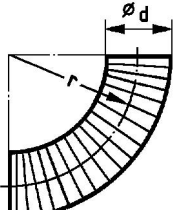
The warm and moist exhaust air of the ironer is to be conducted outside or to a suitable venting duct over the shortest path possible. The exhaust ducting must be laid in such a way that air flow is not hindered (few bends, short lines, well-made connections and transitions). Filters and louvres must not be fitted in the exhaust ducting.

Since the relative humidity can amount to up to 100 %, suitable measures must be taken to prevent condensate from flowing back into the machine. If the machine fan is not powerful enough to remove the moist air, a suitably powerful additional fan must be installed in the shaft or the roof outlet on-site. Supply air must be provided to the room of installation according to the amount of exhaust air.

- The connection for the exhaust air ducting for vapour extraction (optional for PRI 210) is located on the rear of the left side column and has a diameter of 70 mm (HT DN 70).
- The exhaust ducting must have an internal diameter of 70 mm (HT DN 70).
- If the exhaust ducting is leading upwards, a condensate drain hole with a diameter of 3 – 5 mm must be provided at the lowest point.
- Adequate ventilation of the installation room must be ensured.
- The on-site ducting system and the exit point to the outside must be checked on a regular basis for a build-up of lint. Clean them if required.
- The end of ducting leading into the open should be protected against the elements, e.g. with a downward facing 90° bend.

Installation and planning notes

Substitute pipe lengths


	Type of bend		Substitute pipe length
			PRI 210 PRI 214 PRI 217
	90° bend	$r = 2 d$	0.25 m
	45° bend	$r = 2 d$	0.15 m
	90° bend	$r = d$	0.35 m
	45° bend	$r = d$	0.25 m
	90° concertina bend	$r = 2 d$	0.7 m
	45° concertina bend	$r = 2 d$	0.55 m
	90° segmented bend (3 welded seams)	$r = 2 d$	0.45 m
	45° segmented bend (3 welded seams)	$r = 2 d$	-
	90° bend, Westaflex ducting	$r = d$	-
		$r = 2 d$	0.5 m
		$r = 4 d$	0.35 m
	45° bend, Westaflex ducting	$r = d$	-
		$r = 2 d$	0.4 m
		$r = 4 d$	0.3 m

According to the number of bends, the substitute pipe lengths must be deducted from the maximum permissible pipe length.

Maximum permissible total pipe length

Minimum internal pipe diameter (metal pipes)	Maximum permissible total pipe length (exhaust air)
	PRI 210 PRI 214 PRI 217
70 mm	5 m
80 mm	20 m
90 mm	32 m
100 mm	40 m

*with optional extraction fan

 Once the machine has been successfully installed and connected, refit all the housing parts and outer panels that were removed.

Installation and planning notes

Optional accessories

Only use genuine Miele spare parts and accessories with this machine.

Using spare parts or accessories from other manufacturers will invalidate the warranty, and Miele cannot accept liability.

Plinth APRI 316

The machine can be raised 100 mm by fitting the optionally available plinth APRI 316.

Payment system

The flatwork ironer can be equipped with a payment system (e.g. for use in laundrettes). This must be connected and programmed by a Miele Professional Service technician. Payment systems for cash-free transactions and payment systems with mechanical or electronic coin validators are available from Miele as optional accessories for individual target groups.

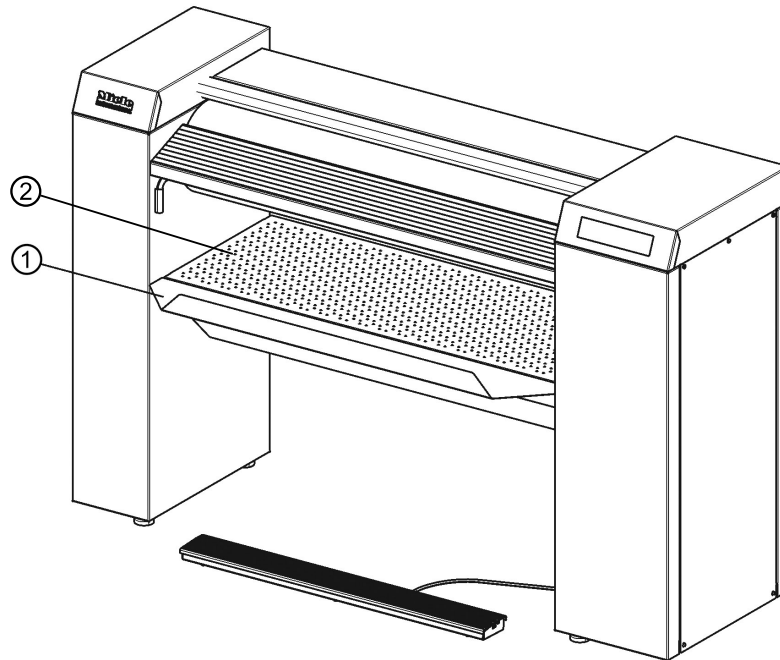
The programming required for connecting a payment system must be carried out by Miele Professional Service or an authorised technician only. A separate electrical connection is not required for a payment system.

Coin operated ironers must be anchored to the floor by the supporting feet to prevent the risk of the machine tipping.

Laundry box for PRI 210

An optional laundry box is available for the PRI 210 flatwork ironer.

The laundry box is for preparation/pre-sorting of laundry when operating the machine standing up.



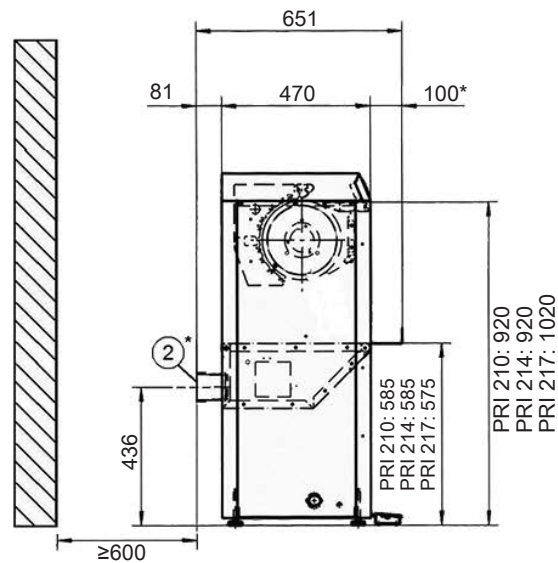
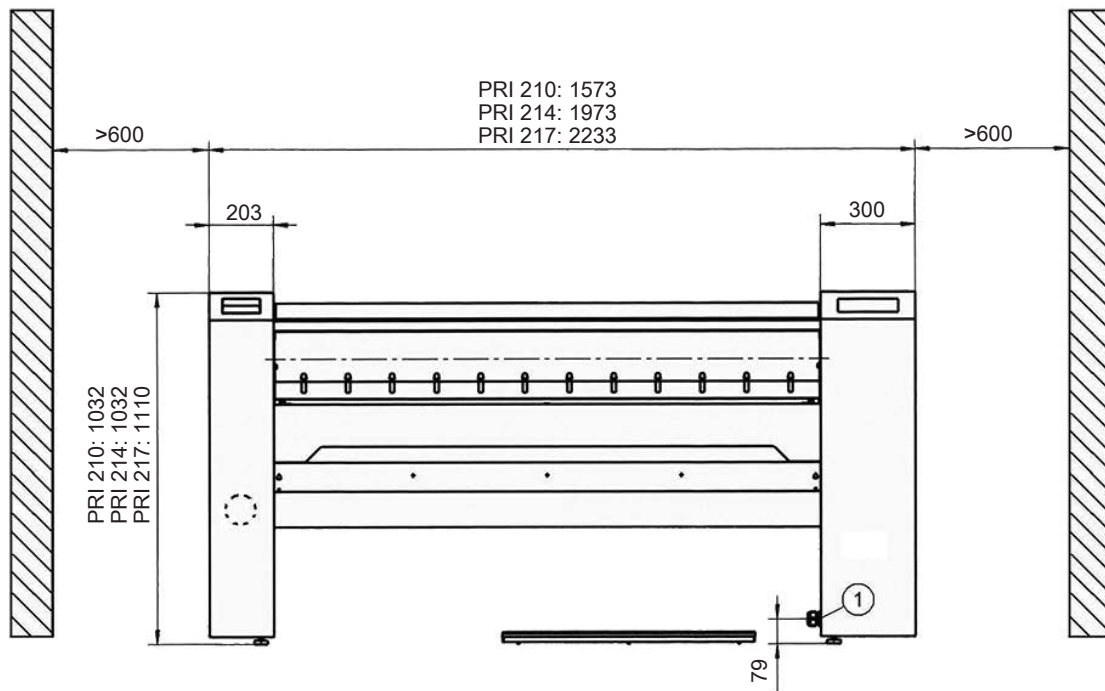
Flatwork ironer PRI 210 with laundry box fitted

① Laundry box

② Laundry outfeed table

Technical drawings - dimensions in mm

Dimensions / Installation



* = Optional for PRI 210

① Electrical connection

② Exhaust connection

Technical data

PRI 210 EL D 3NAC 400V 50-60Hz		
Voltage		3N AC 400 V 50-60 Hz
Fuse rating ¹		3 x 16 A
Roller length		1000 mm
Roller diameter		210 mm
Type of heating		Electric
Overall machine dimensions	Width	1573 mm
	Depth	470 mm
	Height	1032 mm
Minimum wall distance, lateral		600 mm
Minimum wall distance, rear		600 mm
Net weight		122 kg
Max. load bearing in operation		1220 N
Total rated load		5 kW
Heater rating, electric		4.5 kW
Rated load, roller		0.35 kW
Rated load, fan		-
Electrical connection ²		5 x 2.5 mm ²
Exhaust connection		-
Ironing throughput according to DIN 11902 ³		30 kg/h
Roller	Spin speed	2.3 - 6.1 1'/min
	Outer circumference linear speed	1.5 - 4.0 m/min
	Contact pressure	0.7 N/cm ²
Fan air output		-
Max. permitted pressure loss		-
Material	Side columns	Stove-finished, galvanized sheet steel
	Roller	Galvanized sheet steel
	Heater plate	Aluminium, hard-anodised
Roller padding		Steel wool
Roller cover		Polyester needle felt with aramid needle felt cloth
Largest removable part		Laundry outfeed table
Heat dissipation rate to installation site		4.5 MJ/h
Sound pressure level		54 dB (A)
Sound power level		60.6 dB

¹ Operating class: gG; ² Minimum cross-section according to VDE 0298-4; ³ At 100% occupation + 15% residual moisture

Awarded test certificate: VDE, see data plate; applied product safety standards: IEC/EN 60204-1, IEC/EN 60335-1, IEC/EN 60335-2-44, EN ISO 10472-1, EN ISO 10472-5

Technical data

PRI 214 EL D 3NAC 400V 50-60Hz		
Voltage		3N AC 400 V 50-60 Hz
Fuse rating ¹		3 x 16 A
Roller length		1400 mm
Roller diameter		210 mm
Type of heating		Electric
Overall machine dimensions	Width	1973 mm
	Depth	651 mm
	Height	1032 mm
Minimum wall distance, lateral		600 mm
Minimum wall distance, rear		600 mm
Net weight:		140 kg
Max. load bearing in operation		1400 N
Total rated load		7 kW
Heater rating, electric		6.5 kW
Rated load, roller		0.35 kW
Rated load, fan		0.11 kW
Electrical connection ²		5 x 2.5 mm ²
Exhaust connection		70 mm
Ironing throughput according to DIN 11902 ³		33 kg/h
Roller	rpm	2.3 - 6.1 ¹ /min
	Outer circumference linear speed	1.5 - 4.0 m/min
	Contact pressure	0.7 N/cm ²
Fan air output		115 m ³ /h
Max. permitted pressure loss		100 Pa
Material	Side columns	Stove-finished, galvanized sheet steel
	Roller	Galvanized sheet steel
	Heater plate	Aluminium, hard-anodised
Roller padding		Wire wool
Roller cover		Polyester needle felt with aramid needle felt cloth
Largest removable part		Laundry outfeed table
Heat dissipation rate to installation site		6.5 MJ/h
Sound pressure level		54 dB (A)
Sound power level		60.6 dB

¹ Operating class: gG; ² Minimum cross-section according to VDE 0298-4; ³ At 100 % occupation + 15 % residual moisture

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Technical data

PRI 214 EL D 3NAC 400V 50-60Hz ABL		
Voltage		3N AC 400 V 50-60 Hz
Fuse rating ¹		3 x 16 A
Roller length		1400 mm
Roller diameter		210 mm
Type of heating		Electric
Overall machine dimensions	Width	1973 mm
	Depth	651 mm
	Height	1032 mm
Minimum wall distance, lateral		600 mm
Minimum wall distance, rear		600 mm
Net weight:		140 kg
Max. load bearing in operation		1400 N
Total rated load		7 kW
Heater rating, electric		6.5 kW
Rated load, roller		0.35 kW
Rated load, fan		0.11 kW
Electrical connection ²		5 x 2.5 mm ²
Exhaust connection		70 mm
Ironing throughput according to DIN 11902 ³		33 kg/h
Roller	rpm	2.3 - 6.1 1/min
	Outer circumference	1.5 - 4.0 m/min
	linear speed	
	Contact pressure	0.7 N/cm ²
Fan air output		115 m ³ /h
Max. permitted pressure loss		100 Pa
Material	Side columns	Stove-finished, galvanized sheet steel
	Roller	Galvanized sheet steel
	Heater plate	Aluminium, hard-anodised
Roller padding		Wire wool
Roller cover		Polyester needle felt with aramid needle felt cloth
Largest removable part		Laundry outfeed table
Heat dissipation rate to installation site		6.5 MJ/h
Sound pressure level		54 dB (A)
Sound power level		60.6 dB

¹ Operating class: gG; ² Minimum cross-section according to VDE 0298-4; ³ At 100 % occupation + 15 % residual moisture

Awarded test certificate: VDE, see data plate; applied product safety standards: IEC/EN 60204-1, IEC/EN/AS/NZS 60335-1, IEC/EN/AS/NZS 60335-2-44, EN ISO 10472-1, EN ISO 10472-5

Technical data

PRI 217 EL D 3NAC 400V 50-60Hz STW		
Voltage		3N AC 400 V 50-60 Hz
Fuse rating ¹		3 x 25 A
Roller length		1660 mm
Roller diameter		250 mm
Type of heating		Electric
Overall machine dimensions	Width	2233 mm
	Depth	651 mm
	Height	1110 mm
Minimum wall distance, lateral		600 mm
Minimum wall distance, rear		600 mm
Net weight:		189 kg
Max. load bearing in operation		1890 N
Total rated load		11.6 kW
Heater rating, electric		11 kW
Rated load, roller		0.4 kW
Rated load, fan		0.11 kW
Electrical connection ²		5 x 2.5 mm²
Exhaust connection		70 mm
Ironing throughput according to DIN 11902 ³		60 kg/h
Roller	rpm	1.9 - 5.7 ¹/min
	Outer circumference linear speed	1.5 - 4.5 m/min
	Contact pressure	0.5 N/cm²
Fan air output		115 m³/h
Max. permitted pressure loss		100 Pa
Material	Side columns	Stove-finished, galvanized sheet steel
	Roller	Galvanized sheet steel
	Heater plate	Aluminium, hard-anodised
Roller padding		Wire wool
Roller cover		Polyester needle felt with aramid needle felt cloth
Largest removable part		Laundry outfeed table
Heat dissipation rate to installation site		11 MJ/h
Sound pressure level		54 dB (A)
Sound power level		59.7 dB

¹ Operating class: gG; ² Minimum cross-section according to VDE 0298-4; ³ At 100 % occupation + 15 % residual moisture

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Technical data

PRI 217 EL D 3NAC 400V 50-60Hz L		
Voltage		3N AC 400 V 50-60 Hz
Fuse rating ¹		3 x 25 A
Roller length		1660 mm
Roller diameter		250 mm
Type of heating		Electric
Overall machine dimensions	Width	2233 mm
	Depth	651 mm
	Height	1110 mm
Minimum wall distance, lateral		600 mm
Minimum wall distance, rear		600 mm
Net weight		189 kg
Max. load bearing in operation		1890 N
Total rated load		11.6 kW
Heater rating, electric		11 kW
Rated load, roller		0.4 kW
Rated load, fan		0.11 kW
Electrical connection ²		5 x 2.5 mm ²
Exhaust connection		70 mm
Ironing throughput according to DIN 11902 ³		60 kg/h
Roller	Spin speed	1.9 - 5.7 1/min
	Outer circumference linear speed	1.5 - 4.5 m/min
	Contact pressure	0.5 N/cm ²
Fan air output		115 m ³ /h
Max. permitted pressure loss		100 Pa
Material	Side columns	Stove-finished, galvanized sheet steel
	Roller	Galvanized sheet steel
	Heater plate	Aluminium, hard-anodised
Roller padding		Durable fishscale padding
Roller cover		Polyester needle felt with aramid needle felt cloth
Largest removable part		Laundry outfeed table
Heat dissipation rate to installation site		11 MJ/h
Sound pressure level		54 dB (A)
Sound power level		59.7 dB

¹ Operating class: gG; ² Minimum cross-section according to VDE 0298-4; ³ At 100 % occupation + 15 % residual moisture

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Technical data

PRI 217 EL D 3NAC 400V 50-60Hz STW FLT		
Voltage		3N AC 400 V 50-60 Hz
Fuse rating ¹		3 x 25 A
Roller length		1660 mm
Roller diameter		250 mm
Type of heating		Electric
Overall machine dimensions	Width	2233 mm
	Depth	651 mm
	Height	1110 mm
Minimum wall distance, lateral		600 mm
Minimum wall distance, rear		600 mm
Net weight:		189 kg
Max. load bearing in operation		1890 N
Total rated load		11.6 kW
Heater rating, electric		11 kW
Rated load, roller		0.4 kW
Rated load, fan		0.11 kW
Electrical connection ²		5 x 2.5 mm ²
Exhaust connection		70 mm
Ironing throughput according to DIN 11902 ³		60 kg/h
Roller	rpm	1.9 - 5.7 ¹ /min
	Outer circumference linear speed	1.5 - 4.5 m/min
	Contact pressure	0.5 N/cm ²
Fan air output		115 m ³ /h
Max. permitted pressure loss		100 Pa
Material	Side columns	Stove-finished, galvanized sheet steel
	Roller	Galvanized sheet steel
	Heater plate	Aluminium, hard-anodised
Roller padding		Wire wool
Roller cover		Polyester needle felt with aramid needle felt cloth
Largest removable part		Laundry outfeed table
Heat dissipation rate to installation site		11 MJ/h
Sound pressure level		54 dB (A)
Sound power level		59.7 dB

¹ Operating class: gG; ² Minimum cross-section according to VDE 0298-4; ³ At 100 % occupation + 15 % residual moisture

Awarded test certificate: VDE, see data plate; applied product safety standards: IEC/EN 60204-1, IEC/EN/AS/NZS 60335-1, IEC/EN/AS/NZS 60335-2-44, EN ISO 10472-1, EN ISO 10472-5

Technical data

PRI 217 EL D 3NAC 400V 50-60Hz L FLT		
Voltage		3N AC 400 V 50-60 Hz
Fuse rating ¹		3 x 25 A
Roller length		1660 mm
Roller diameter		250 mm
Type of heating		Electric
Overall machine dimensions	Width	2233 mm
	Depth	651 mm
	Height	1110 mm
Minimum wall distance, lateral		600 mm
Minimum wall distance, rear		600 mm
Net weight:		189 kg
Max. load bearing in operation		1890 N
Total rated load		11.6 kW
Heater rating, electric		11 kW
Rated load, roller		0.4 kW
Rated load, fan		0.11 kW
Electrical connection ²		5 x 2.5 mm ²
Exhaust connection		70 mm
Ironing throughput according to DIN 11902 ³		60 kg/h
Roller	rpm	1.9 - 5.7 1/min
	Outer circumference linear speed	1.5 - 4.5 m/min
	Contact pressure	0.5 N/cm ²
Fan air output		115 m ³ /h
Max. permitted pressure loss		100 Pa
Material	Side columns	Stove-finished, galvanized sheet steel
	Roller	Galvanized sheet steel
	Heater plate	Aluminium, hard-anodised
Roller padding		Durable fishscale padding
Roller cover		Polyester needle felt with aramid needle felt cloth
Largest removable part		Laundry outfeed table
Heat dissipation rate to installation site		11 MJ/h
Sound pressure level		54 dB (A)
Sound power level		59.7 dB

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