

Installation plan

# Tumble dryers





PT 8407 HW  
PT 8807 HW

**Always** read operating and installation instructions before  
Installation and Commissioning.  
This is for the protection of yourself and your machine.

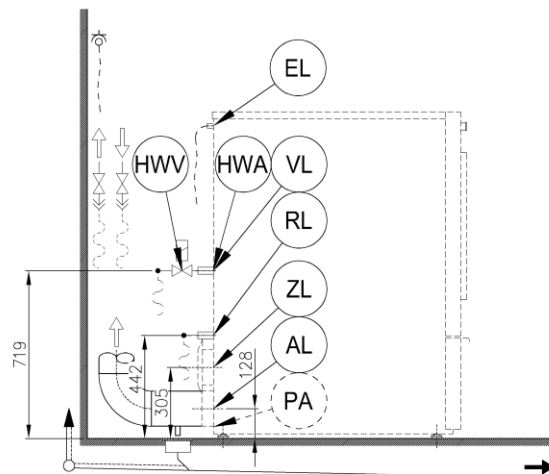
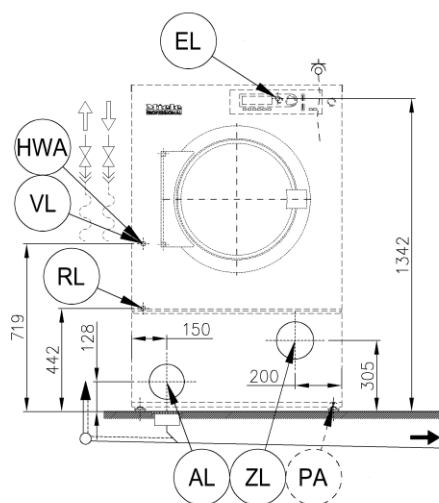
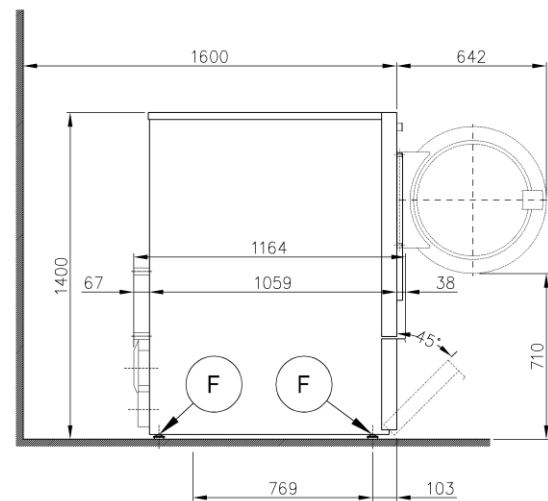
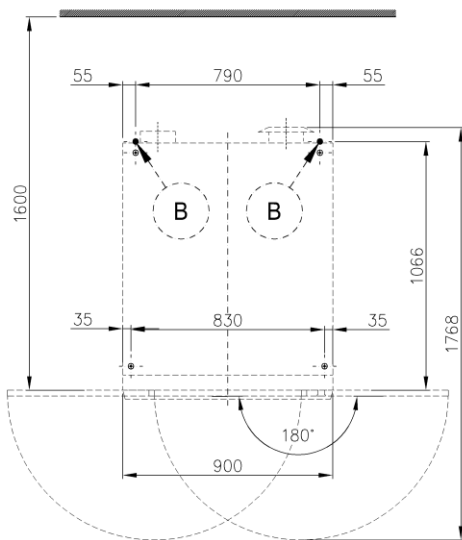
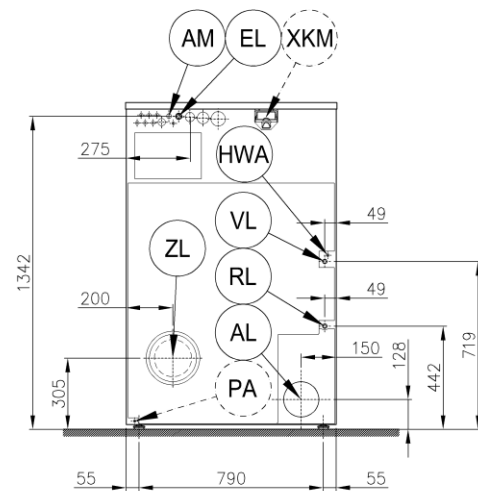
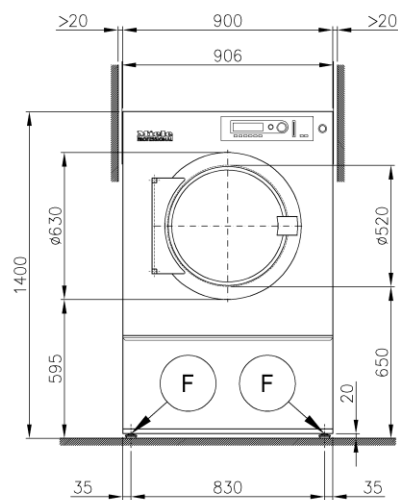
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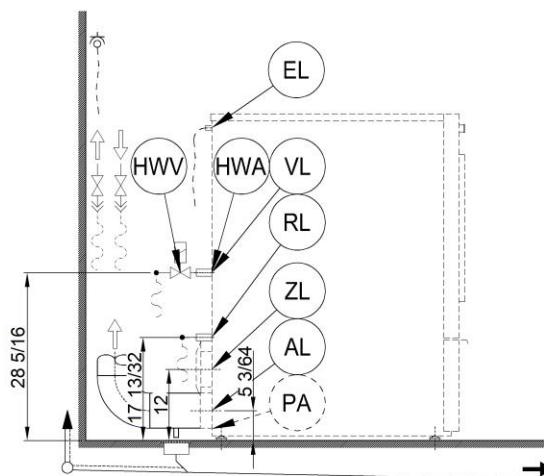
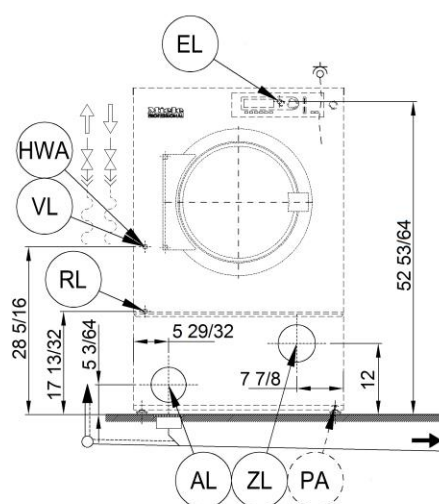
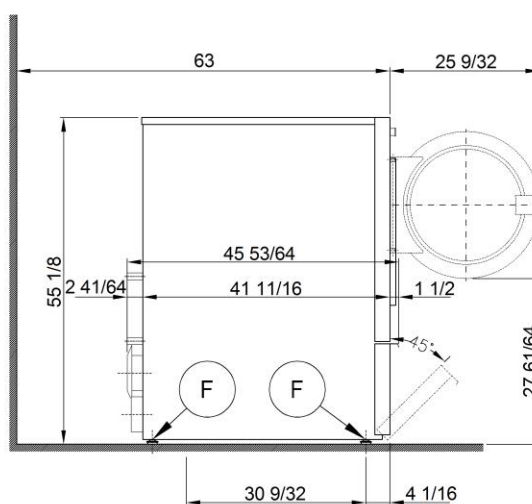
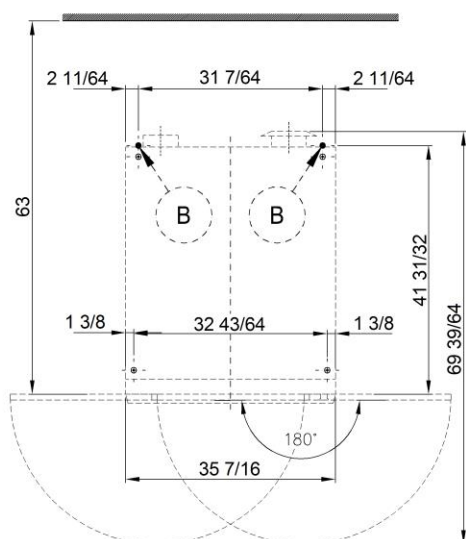
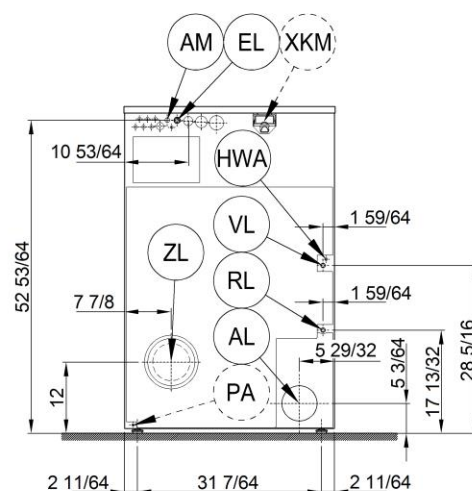
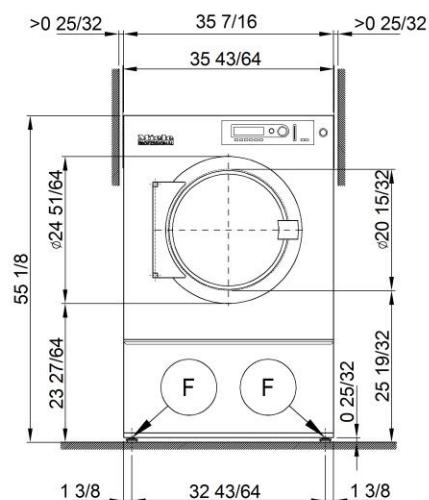
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Legend:

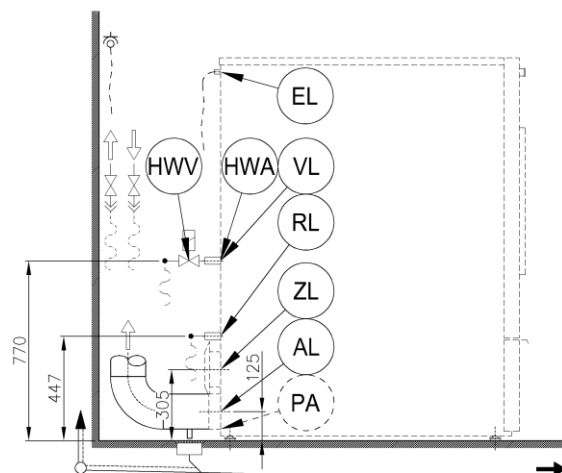
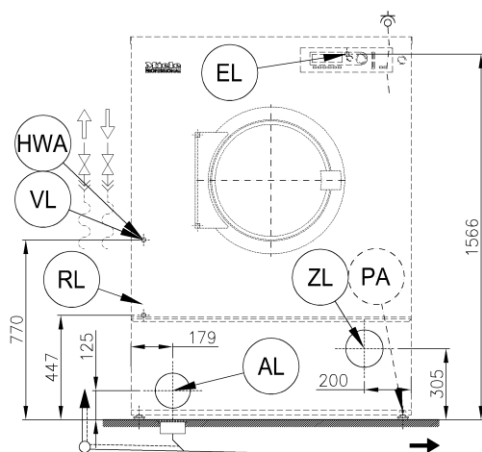
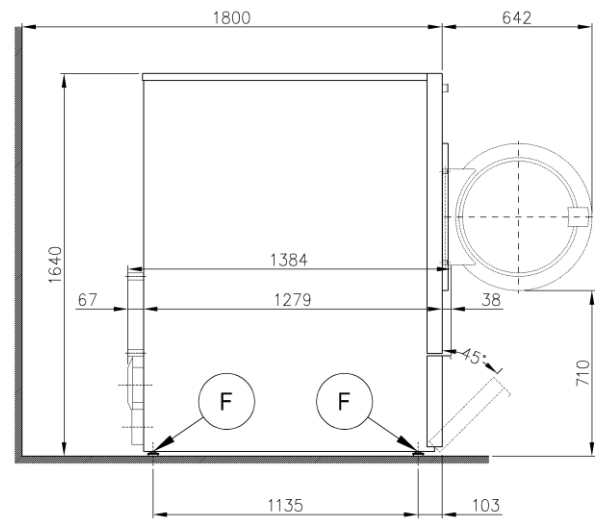
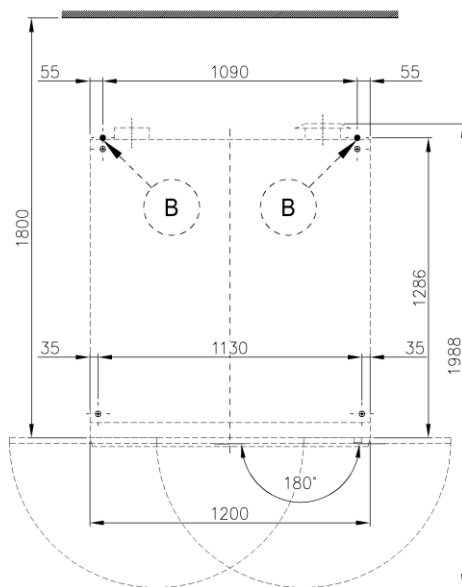
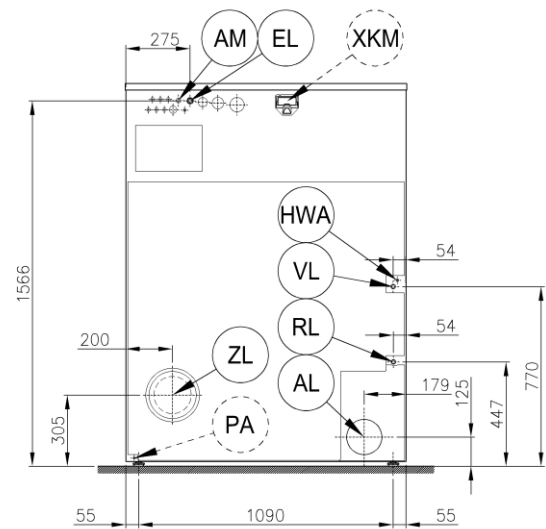
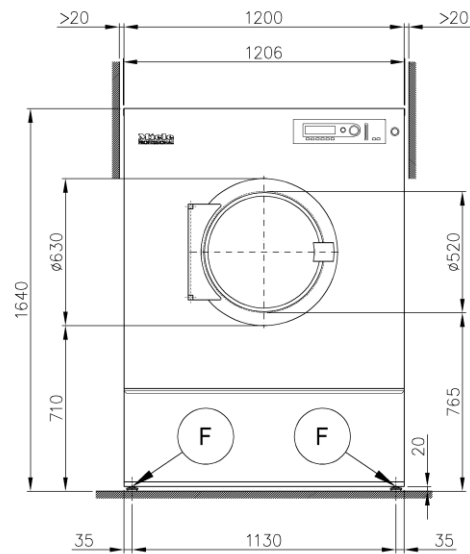
	Connection required		Connection optional or required, depending on model
AL	Vent connection	HWV	Hot water valve
AM	Connection module	PA	Equi-potential bonding
B	Machine anchors	RL	Hot water return feed
EL	Electrical connection	VL	Hot water feed
F	Adjustable machine feet	XKM	Communication module
HWA	Hot water valve, connection	ZL	Air supply connection

# Machine dimensions PT 8407 HW *(measurements in millimeters)*

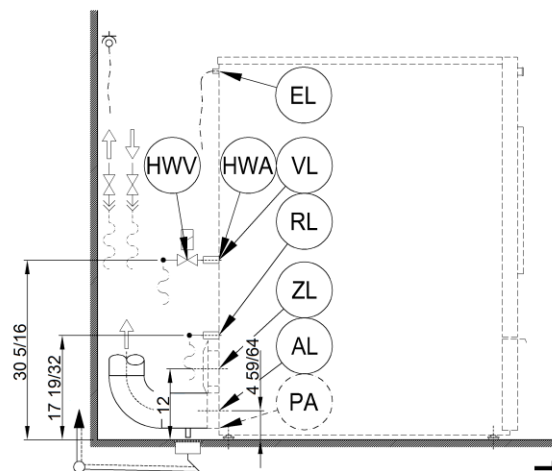
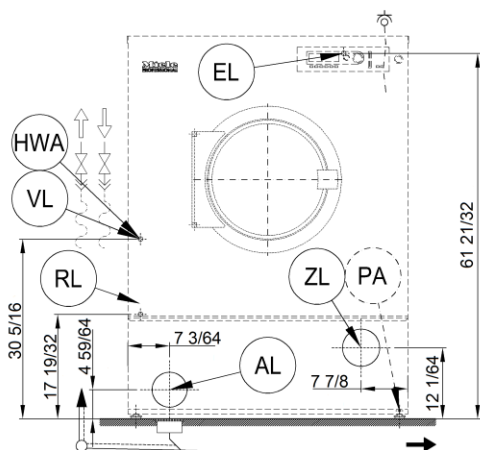
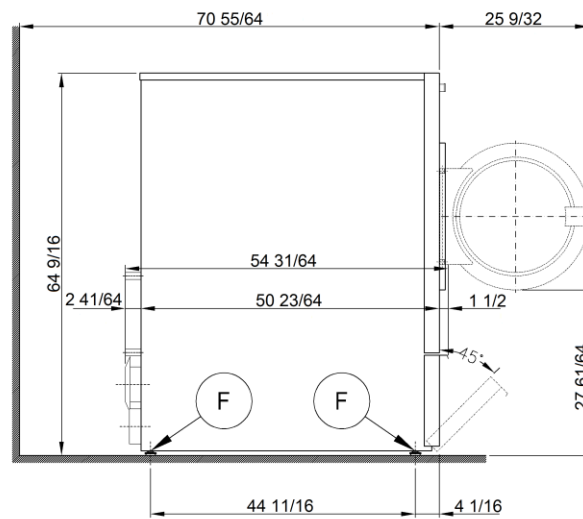
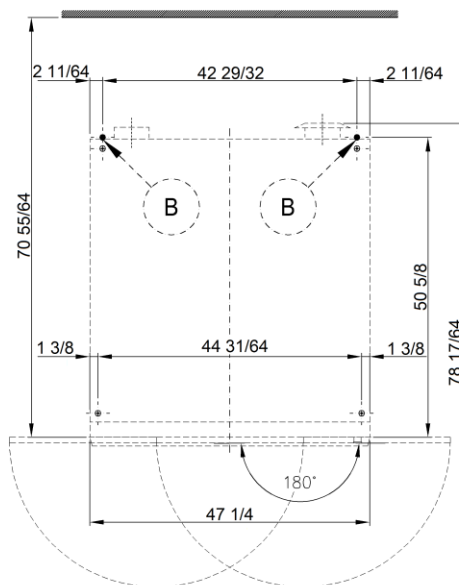
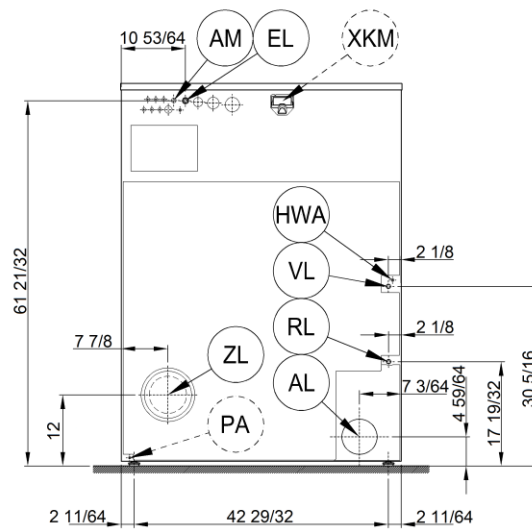
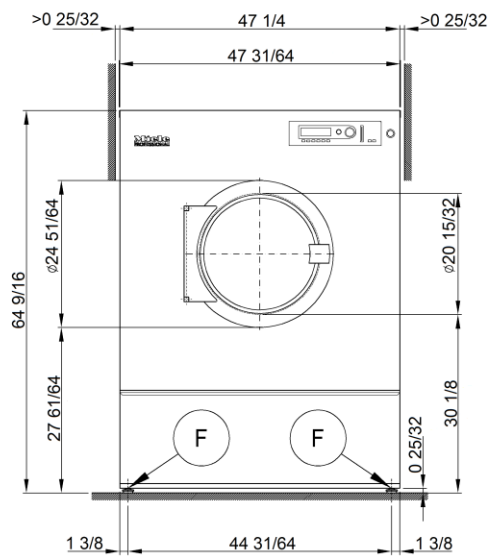


Machine dimensions PT 8407 HW *(measurements in inches)*

# Machine dimensions PT 8807 HW *(measurements in millimeters)*



## Machine dimensions PT 8807 HW *(measurements in inches)*



## Technical data

		PT 8407 HW	PT 8807 HW
Drum volume	l [gal]	400 [105.67]	800 [211.34]
Load capacity (load ratio 1:25)	kg [lbs]	16 [35.27]	32 [70.55]
Load capacity (load ratio 1:32)	kg [lbs]	13 [28.66]	25 [55.12]
Porthole diameter	mm [in]	520 [20.47]	520 [20.47]
Door hinge, rehingable (right/left)		●	●
<b>Connection data</b>			
Heater rating / Nominal heat load	kW	9.8	12.5
Fan motor rating	W	700	1100
Drive motor rating	W	550	750
<b>Electric connection (EL)</b>			
<b>Standard voltage (US only)</b>		<b>3 AC 208 V</b>	<b>3 AC 208 V</b>
Frequency	Hz	60	60
Max. rated load	kW	1.3	1.9
Fuse rating (Trip characteristics B according to EN 60898)	A	3 x 10	3 x 10
Supply lead minimum cross-section	AWG	16	16
<b>Hot water feed (VL)</b>			
Rated load	kW	6.8	10.7
Temperature range of heating medium	°C [°F]	70 – 90 [158 – 194]	70 – 90 [158 – 194]
Flow rate range	m³/h [cu ft/h]	1.0 – 1.5 [35.31 – 52.97]	1.0 – 1.5 [35.31 – 52.97]
Temperature gradient Feed/Return	K	6 - 4	9 - 6
Max. operating pressure.	kPa	1000	1000
Resistance at nominal rating (1 m³/h flow rate)	kPa	1	1
Connection thread (ext. thread)	G	½"	½"
<b>Hot water return feed (RL)</b>			
Connection thread (ext. thread)	G	½"	½"
<b>Hot water valve connection (HWA)</b>			
Connection voltage	V	1N AC 230	1N AC 230
Frequency	Hz	50 - 60	50 - 60
Max. permissible connection load	A	0.5	0.5
Connection cable for control valve		●	●
Length of supply lead (supplied)	mm [in]	ca. 500 [19.69]	ca. 500 [19.69]
<b>Hot water valve (HWV)</b>			
Controlled valve with electrical connection			
NC contact, 100% duty cycle			
Min. temperature of heating medium	°C [°F]	100 [212]	100 [212]
Pressure range	bar [psi]	0 – 10 [0 – 145]	0 – 10 [0 – 145]
Differential pressure (pressureless for circulation system)	bar [psi]	0 [0]	0 [0]
k <sub>V</sub> - value min.	m³/h [cfh]	6.0 [211.89]	6.0 [211.89]
<b>Waste air connection (AL)</b>			
Connection (ext. diameter)	mm [in]	150 [5.91]	150 [5.91]
Waste air temperature max.	°C [°F]	80 [176]	80 [176]
Max. permissible pressure loss	Pa	300	300
<b>Vent air throughput</b>			
Max. without counterpressure (0 Pa) in recirculation mode	m³/h [cu ft/h]	730 [25779.71]	1060 [37433.55]
Max. permissible counterpressure in recirculation mode	m³/h [cu ft/h]	610 [21541.95]	960 [33902.08]
Max. without counterpressure (0 Pa) in vented mode	m³/h [cu ft/h]	750 [26486]	1110 [39199.28]
Max. permissible counterpressure in vented mode	m³/h [cu ft/h]	690 [24367.12]	1040 [36727.25]
<b>Air supply connection (ZL)</b>			
Standard installation: Air supply from installation room		●	●
Alternative installation: Direct air supply to machine		●	●
Connection at machine (int. diameter)	mm [in]	161 [6.34]	161 [6.34]
Connection pipe provided on site (ext. diameter)	mm [in]	160 [6.30]	160 [6.30]
<b>Equipotential bonding (PA)</b>			
Hole for bolt (diameter)	mm [in]	10 [0.39]	10 [0.39]

● = standard, ○ = optional, + = only on request, - not available

## Technical data

### Connection modules (AM)

End-of-programme signal	●	●
Output signal - External air baffle	●	●
Output signal - Drying fan in operation	●	●
Payment system connection (BSK)	-	-
Peak-load/energy management connection (BSS)	-	-

### Machine feet (F)

No. of feet	Pcs.	4	4
Machine feet, height-adjustable with thread	mm [in]	±10 [±0.39]	±10 [±0.39]
Foot diameter	mm [in]	25 [0.98]	25 [0.98]

### Anchors (B)

Set of anchors (for 2 feet) using slotted washers		●	●
Wood screw according to DIN 571	mm [in]	6 x 40 [0.24 x 1.58]	6 x 40 [0.24 x 1.58]
Rawl plug (dia. x length)	mm [in]	10 x 50 [0.39 x 1.97]	10 x 50 [0.39 x 1.97]

### Machine data

#### Weights and floor loads

Shipping weight (incl. packaging)	kg [lb]	240 [529.11]	348 [767.21]
Machine weight (net weight)	kg [lb]	216 [476.20]	318 [701.07]
Max. floor load in operation	N	2348	3708

#### Site access dimensions

Site access dimensions (H/W)	mm [in]	1420/920 [55.91/36.22]	1650/1220 [64.96/48.03]
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#### Machine dimensions

Overall dimensions (H/W/D)	mm [in]	1400/906/1164 [55.12/35.67/45.83]	1640/1206/1371 [64.57/47.24/53.98]
Casing dimensions excl. fittings (H/W/D)	mm [in]	1400/900/1059 [55.12/35.43/41.69]	1640/1200/1279 [64.57/47.48/50.35]

#### Installation dimensions

Min. side machine clearance	mm [in]	20 [0.79]	20 [0.79]
Recommended wall gap to machine front	mm [in]	1600 [63]	1800 [70.87]
Wall gap to machine lid (min.)	mm [in]	500 [19.69]	500 [19.69]

### Sound emissions

Sound pressure according to EN ISO 11204, workplace-related	dB(A)	60	62
A sound power level according to EN ISO 9614 Part 2	dB(A)	72,8	73,6
Heat dissipation to installation room	W [BTU/hr]	733 [2501.1]	1106 [3773.83]

## Options / Accessories

### Communication module (XKM)

Slot for communication module	●	●
Communication module for serial connection (XKM RS232)	○	○

### Accessories

Hot water connection kit (incl. connection hoses and control valve)	+	+
Silencer DN150 (MSS 01)	○	○
Key chipcard	○	○
Memory chipcard (pack of 3)	○	○

### PT 8407 HW

### PT 8807 HW

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# Installation plans and planning notes

## Installation requirements

Electrical connection must be in full compliance with national regulations and guidelines and with relevant local codes.

Guidelines issued by power utilities and insurance companies, occupation safety regulations and general good practices apply throughout.

The machine should only be installed and commissioned by Miele Service or the trained personnel of an authorised service agent.

## General operating conditions

Ambient temperature at place of installation: 5°C - 40°C, 41°F – 104°F  
Relative humidity: 10% - 85%

This machine should not be installed in the same room as drycleaning machines using PERC or solvents containing CFCs. Solvent vapours could be converted to hydrochloric acid through sparks and result in further consequential damage.

## Electrical connection

Connection to the electricity supply should only be performed by qualified and properly trained persons. Please pay attention to the enclosed wiring diagram and installation instructions. A flexible supply lead is not supplied with the machine and should be provided on site.

Cross-sectional requirements stated in the technical data only refer to the required supply lead. To calculate the gauge of further cables, please refer to national and local regulations.

The machine can be hard-wired or installed with a plug connection according to IEC 60309-1. A wall socket or mains isolator must be accessible after installation.

A suitable plug and socket connection is recommended to facilitate accessibility for electrical safety tests.

During connection, the phase sequence should be checked to ensure the correct direction of motor rotation.

## Hot water connection

To supply the tumble dryer with hot water as a source of drying energy, it is necessary to install feed and return feed supply pipework.

The machine should only be connected to hot water in compliance with VDI 2035 in order to ensure a sufficient degree of protection against corrosion.

To ensure a sufficient supply of heat to the machine, it is necessary to calculate the supply pipework capacity in detail. This is particularly the case when connecting several machines to a common heating circuit.

To ensure a steady supply of heat, it is necessary to install a feed pump in the on-site heating circuit. The heat pump should be dimensioned according to the technical requirements of the tumble dryer.

Flexible, pressure- and heat-resistant hose connections are recommended to connect the machine to the hot water supply. In order to ensure a sufficient flow rate in the entire circuit, the interior diameter of the connection hoses should at no point be less than 18 mm. Otherwise, this may have a detrimental impact on the drying cycle duration.

A suitable control valve must be fitted in the feed line to control the water intake flow. This valve is controlled directly by the controls on the tumble dryer. The control valve must be installed in close proximity to the machine connection point.

A hot water connection kit, Art. no. 59430001D, is available as an accessory for the proper connection of tumble dryers.

The installation of shut-off valves in the on-site feed and return feed lines at the connection point is recommended. Depending on requirements, on-site venting at the point of connection should also be provided.

## Vent connection

The hot moisture-laden waste air should be vented to atmosphere or into a suitable venting system along the shortest possible route.

Moist waste air may condense to varying degrees along the pipework, depending on the length and nature of pipework. For this reason, it is recommended that pipework is installed with downward gradient towards the point of exit.

A condensate drain should be provided at the lowest points in rising stretches of pipework, either in the form of a collection vessel or via a suitable floor drain.

On no account should condensate flow back into the machine!

It is permissible for waste air to be vented to atmosphere outside the building. This should, however, not pose any risks or be a source of annoyance to neighbouring buildings.

The end of a pipe venting waste air to atmosphere should be protected against the elements either using a deflector canopy or with a 90° downward pipe bend.

The vent line cross-section should not be reduced or obstructed in any way. Filters and grilles should not be incorporated.

Any blockage of the passage of air through the waste air ducting can result in impaired machine performance or to machines switching off automatically for safety reasons.

Proper machine functioning cannot be guaranteed if the max. permissible pressure loss in the on-site vent ducting system is exceeded.

When connecting several machines to a single collection line, care must be paid to ensure an adequate cross-section.

A non-return baffle should be fitted for each machine to prevent machines from influencing each other via the waste air ducting. Baffles should be provided on site.

When merging the waste air from several machines into a collection pipe, a non-return device must be installed on each machine.

Complex air vent ducting involving bends and additional fittings and the collection of several machines to a single collection line requires detailed calculations which should be carried out by a qualified fitter or planner.

## Air intake

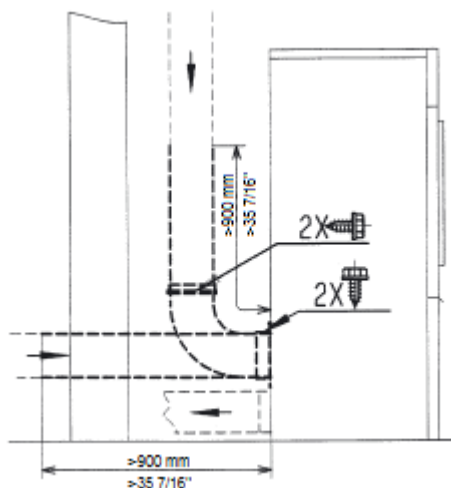
The air supply to the machine is via the room of installation.

A sufficient supply of air to the room of installation must be guaranteed during operation. Depending on the specific installation, the amount of air expelled to atmosphere must be replaced to prevent vacuum conditions from occurring within the installation room.

Air intake grilles must be unobstructed at all times to ensure an adequate supply of air.

Alternatively, machines can be connected to air supply pipework bringing in fresh air from outside the building.

The machine is supplied with a cover on the air intake connection. This cover must be removed before connecting the machine to air supply ducting.



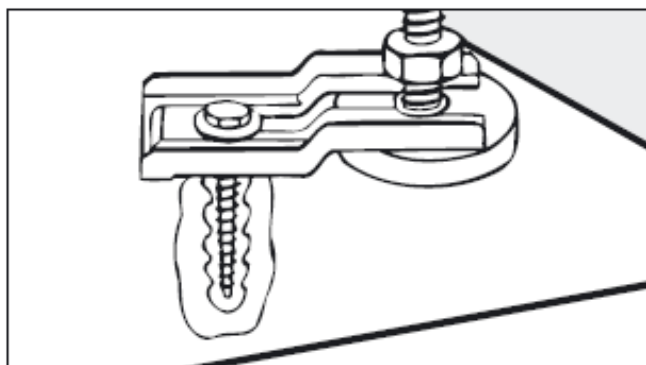
Removal of the cover exposes live components! For safety reasons, the first pipe connected for central air intake should be at least 900 mm [35.43"] long and secured using two screws.

#### Equipotential bonding

If necessary, equipotential bonding with good galvanic contact must be provided in accordance with all appropriate national and local regulations.

Equipotential bonding materials must be provided on site.

#### Installation and anchoring



The machine must be installed on a perfectly flat, horizontal and firm surface able to support the quoted floor loads.

The machine should be installed level from side to side and from front to back using a spirit level and the adjustable machine feet. Anchoring the machine to the floor is recommended.

The anchors and fittings supplied can be used to secure the machine feet to the floor. The materials supplied are intended for rawl plug anchors in concrete floors.

Suitable anchors must be provided on site for all other floor types.