

INSTALLATION MANUAL

DOC. NO. 487.0546-84/03 EDITION 2010.07.01



TD100, TD135

Wascomat provides efficient washers, dryers, flatwork ironers and wetcleaning systems in a size and model for every laundry and wetcleaning need!



 Wascomat Laundry Equipment

516-371-4400 • www.wascomat.com

WASCOMAT CUSTOMER SUPPORT

Whether you need spare parts or technical advice to guide you to the source of a malfunction, our nationwide network of authorized dealers are able and ready to serve your needs, or call the Wascomat Customer Service Hotlines listed below.

SPARE PARTS

516-371-2000

Before ordering parts, refer to the Wascomat spare parts manual (also available on www.wascomat.com) to determine the part number(s) for the item(s) you need.

For quick service, please have the following information available:

1. Part Number of the item(s) you need.
2. Model of the machine.
3. Serial number of the machine.
4. Electrical data for the machine:
 - 120 or 208-240 Volt?
 - Single or three phase?
 - 50 or 60 Cycle?

To insure parts order accuracy, only fax or email parts orders are accepted:

- Fax: 516-371-4029
- email: parts@wascomat.com

TECHNICAL SUPPORT

516-371-0700

For service information, first contact your local authorized Wascomat dealer.

Wascomat technical support can assist you or your technician to diagnose and repair your laundry machines over the phone. Please call from the location where the machines are installed (we suggest you use a cellular or cordless phone), and have the following information available:

1. Model of the machine.
2. Serial number of the machine.
3. Electrical data for the machine:
 - 120 or 208-240 Volt?
 - Single or three phase?
 - 50 or 60 Cycle?
4. An accurate description of the malfunction.

To expedite parts order shipment, please use your credit card.
We accept: American Express, Mastercard, Visa, Discover, Diner's Club.

WARRANTY CLAIMS

Wascomat's Technical Support staff will honor valid manufacturer's parts warranty claims providing your Wascomat machines are registered for warranty coverage upon installation. If they are not registered, you can validate your warranty claim by providing information about when and where you purchased the Wascomat machine(s), the model and serial number(s). Additional warranty proof may also be required.

FOR YOUR SAFETY

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS
AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE,
DO NOT DRY MOP HEADS IN THE DRYER.
DO NOT USE DRYER IN THE PRESENCE OF DRY CLEANING FUMES.

IMPORTANT

YOU MUST DISCONNECT and LOCKOUT THE ELECTRIC SUPPLY and
THE GAS SUPPLY or THE STEAM SUPPLY BEFORE ANY COVERS or
GUARDS ARE REMOVED FROM THE MACHINE TO ALLOW ACCESS FOR
CLEANING, ADJUSTING, INSTALLATION, or TESTING OF ANY EQUIPMENT
per OSHA (Occupational Safety and Health Administration) STANDARDS.



WARNING



CHILDREN SHOULD NOT BE ALLOWED TO PLAY ON OR
IN THE DRYER(S).
CHILDREN SHOULD BE SUPERVISED IF NEAR DRYER(S) IN OPERATION.

CAUTION

DRYER(S) SHOULD NEVER BE LEFT UNATTENDED
WHILE IN OPERATION.

INSTRUCTIONS TO BE FOLLOWED IN THE EVENT THE USER SMELLS GAS
MUST BE POSTED IN A PROMINENT LOCATION. THE INSTRUCTIONS TO BE
POSTED SHALL BE OBTAINED FROM THE LOCAL GAS SUPPLIER.-

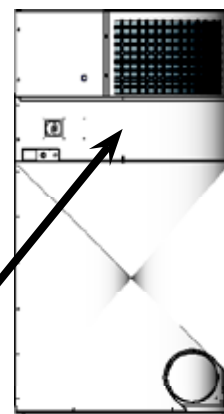
IMPORTANT

Please observe all safety precautions displayed on the equipment and/or
specified in the installation/operators manual included
with the dryer.

Dryer(s) must not be installed or stored in an area where
it will be exposed to water and / or weather.

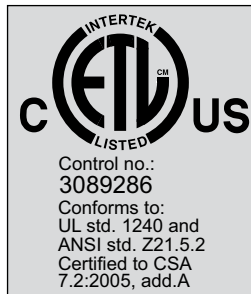
The wiring diagram for the dryer is located
where shown.

Wiring diagram



WARNING: ALL OPERATING AND MAINTENANCE PROCEDURES SHOWN ON THE NEXT PAGE OF THIS MANUAL MUST BE FOLLOWED DAILY FOR PROPER OPERATION OF YOUR WASCOMAT MACHINE.

PLEASE CHECK THAT THE FOLLOWING INFORMATION APPEARS ON THE MACHINE DATA LABEL(S). IF THIS INFORMATION IS MISSING, CONTACT WASCOMAT CUSTOMER SERVICE.



The manufacturer declares that the dryer is produced and approved according to the standards printed on the approval mark (ETL).
The approval mark is only on approved dryers.
All later changes of the product which can affect the approval of the product **must** be approved by ETL.

KEEP THIS MANUAL IN A
SECURE PLACE FOR FUTURE REFERENCE.

Warning: For your safety the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personel injury or death.

NOTICE TO: OWNERS, OPERATORS AND DEALERS OF WASCOMAT MACHINES.

IMPROPER INSTALLATION AND INADEQUATE MAINTENANCE, POOR HOUSEKEEPING AND WILLFUL NEGLECT OR BYPASSING OF SAFETY DEVICES MAY RESULT IN SERIOUS ACCIDENTS OR INJURY. TO ASSURE THE SAFETY OF CUSTOMERS AND/OR OPERATORS OF YOUR MACHINE, THE FOLLOWING MAINTENANCE CHECKS MUST BE PERFORMED ON A DAILY BASIS.

1. Prior to operation of the machine, check to make certain that all operating instructions and warning signs are affixed to the machine and legible. (See the following page of this manual for description and location of the signs.) Missing or illegible signs and labels **must be replaced immediately**. Be sure you have spare signs and labels available at all times. These can be obtained from your dealer or Wascomat.
2. Check the door safety switch, as follows:
 - (a) OPEN THE DOOR of the machine and attempt to start in the normal manner:
THE MACHINE(S) SHOULD NOT START!
 - (b) CLOSE THE DOOR to start machine operation and, while it is operating, open the door: **THE MACHINE(S) SHOULD STOP.**

If the machine can operate with the door open, it must be placed out of order until the necessary repairs are made.

3. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO BYPASS OR REWIRE ANY OF THE MACHINE'S SAFETY DEVICES AS THIS CAN RESULT IN SERIOUS ACCIDENTS, AND WILL VOID YOUR WARRANTY.
4. **Be sure to keep the machine(s) in proper working order:** Follow all maintenance and safety procedures. Further information regarding machine safety, service and parts can be obtained from your dealer or from Wascomat through its Customer Service Department.

All requests for assistance must include the model, serial number and electrical characteristics as they appear on the machine identification plate.

5. **WARNING: DO NOT OPERATE MACHINE(S) WITH SAFETY DEVICES BYPASSED, REWIRED OR INOPERATIVE!**



Clothes dryer installation must be performed by a qualified installer.

Install the clothes dryer according to the manufacturer's instructions and local codes.

Do not install a clothes dryer with flexible plastic venting materials. If flexible metal (foil type) duct is installed, use duct that has been investigated and found acceptable for use with clothes dryers. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct clothes dryer airflow and increase the risk of fire.

To reduce the risk of severe injury or death follow all installation instructions.

Save these instructions.

Safety and warnings signs

Located at the front of the dryer

Replace if missing or illegible.

One or more of these signs must be affixed on each machine.

WARNING!

Dry water-washed fabrics **ONLY**.

To avoid hazard, do not use heat when drying articles containing foam rubber or similarly textured rubber like materials.

DO NOT dry items containing gasoline, oil, kerosene, paint, wax, grease, or other combustible materials.

Remove items immediately after drying.

DO NOT let children play in or near dryer.

DO NOT use dryer in the presence of dry cleaning solvents

DO NOT store or use flammable liquids or aerosols near dryer.

ATTENTION !

Sécher **UNIQUEMENT** des textiles lavés à l'eau.

Pour éviter tout danger, ne pas utiliser de chaleur pour le séchage d'articles contenant du caoutchouc mousse ou des matériaux à texture caoutchouteuse similaires.

NE PAS sécher d'objets contenant de l'essence, de l'huile, du kérosène, de la peinture, de la cire, de la graisse ou tout autre matériau combustible.

Retirer les objets immédiatement après le séchage. **NE PAS** laisser d'enfants jouer à l'intérieur ou près du sèche-linge.

NE PAS utiliser le sèche-linge en présence de solvants de nettoyage à sec.

NE PAS stocker ni utiliser d'aérosols ou de liquides inflammables à proximité du sèche-linge.

CAUTION!

A clothes dryer produces combustible lint and the area around the clothes dryer should be kept free of lint.

Lint screen must be cleaned in accordance with the manufacturer's recommended frequency guidelines.

ATTENTION !

Un sèche-linge produit des peluches combustibles qui doivent être éliminées de la zone environnant le sèche-linge. Le filtre à peluches doit être nettoyé aux intervalles recommandés par le fabricant.

487 22 26 51

487 22 26 50

Located at the rear of the dryer



487 18 97 33

Dryer **MUST NOT** be operated with guards, outer panels, or service door/panels removed or not secured in place.



487 18 97 34

“Warning”
High temperatures which could cause severe burns.

Får ej övertäckas
Do not cover
Nicht überdecken
Ne pas couvrir
Må ikke overdækkes
Ei saa peittää
Non coprire
Nezakrývejte

487 19 69 74

CAUTION
Risk of Fire
A clothes dryer produces combustible lint and should be exhausted outdoors.
See installation manual.
THIS DRYER MUST BE EXHAUSTED TO THE OUTDOORS.

**INSTRUCTIONS**
INSPECT EXHAUST DUCTING EVERY 6 MONTHS AND REMOVE LINT BUILDUP.

ATTENTION
Risque d'incendie
Un sèche-linge produit des peluches combustibles et doit être connecté à une évacuation vers l'extérieur.
Voir le manuel d'installation.
CE SÈCHE-LINGE DOIT ÊTRE CONNECTÉ À UNE ÉVACUATION VERS L'EXTÉRIEUR.

INSTRUCTIONS
INSPECTER LA CONDUITE D'ÉVACUATION TOUS LES 6 MOIS ET ÉLIMINER LES PELUCHES ACCUMULÉES.

487 18 97 42

IMPORTANT

DO NOT JUMP WIRES AROUND AIR SWITCH.
DO NOT TAPE SWITCH DAMPER SHUT.
DO NOT RESTRICT FLOW OF AIR TO SWITCH.

487 18 97 43

**WARNING**

VALVE CONVERTED FOR USE ON LP GAS. REGULATOR BLOCKED OPEN! EXTERNAL REGULATOR REQUIRED! IMPROPER OPERATION COULD RESULT IN DEATH OR SERIOUS INJURY!

**MISE EN GARDE**

SOUPAPE CONVERTIE POUR USAGE SUR GAZ DE PETROLE LIQUEFIE. REGULATEUR BLOQUE EN POSITION OUVERTE! REGULATEUR EXTERNE NECESSAIRE! UN FONCTIONNEMENT INAPPROPRIE PEUT PROVOQUERLA MORT OU DES BLESSURES GRAVES.

487 18 97 40

LPG (propane) conversion kit. Gas dryer only.

GB Disconnect from the supply before opening.

FR Mettre hors circuit avant d'enlever ce couverde.

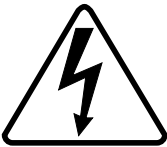
IT Staccare le connessioni elettriche prima di aprire.

DE Strom unterbrechen bevor dieser Deckel geöffnet wird.

DK Afbryd strømmen før dette dæksel fjernes.

SE Bryt strömmen innan detta lock borttages.

FI Virta on katkaistava ennenkuin kannta avataan.



487 19 69 15

GB STEAM CONNECTION
Max. pressure 1000 kPa (145 psi).

FR RACCORDEMENT VAPEUR
Pression max. 1000 kPa.

IT ALLACCIAMENTO VAPORE
Pressione max. 1000 kPa.

DE DAMPFANSCHLUSS
Max. Druck 1000 kPa.

DK DAMPTILSLUTNING
Maks. tryk 1000 kPa.

SE ÅNGANSLUTNING
Max. tryck 1000 kPa.

FI HÖYRYLIITÄNTÄ
Suurin sallittu paine 1000 kPa

487 22 26 53
Steam dryer only

**WARNING**

PLUMBERS BEWARE WHEN PRESSURE TESTING!!!
DRYER MUST NOT BE SUBJECTED TO PRESSURE THAT EXCEEDS 1/2 psig (3.5 kPa).
TO DO SO WILL CAUSE GAS LEAKS WHICH CAN RESULT IN FIRE OR EXPLOSION.
TO PROVIDE ADEQUATE COMBUSTION AIR THE FRESH AIR INTAKE MUST BE INSTALLED ACCORDING TO THE INSTALLATION MANUAL.

ATTENTION

LES PLOMBIERS DEVRONT FAIRE PREUVE DE PRUDENCE LORS DU TEST DE PRES-SION !!!
LE SÈCHE-LINGE NE DOIT PAS ÊTRE SOU-MIS À UNE PRESSION SUPÉRIEURE À 1/2 psig (3,5 kPa).
UN DÉPASSEMENT ENTRAÎNERAIT DES FUITES DE GAZ RISQUANT DE CAUSER UN INCENDIE OU UNE EXPLOSION.
POUR FOURNIR UN AIR DE COMBUSTION ADÉQUAT, L'ADMISSION D'AIR FRAIS DOIT ÊTRE INSTALLÉE CONFORMÉMENT AU MANUEL D'INSTALLATION.

487 22 26 52

Electrical Information

It is your responsibility to have **ALL** electrical connections (including grounding) made by a properly licensed and competent electrician to assure that the electrical installation is adequate and conforms with local and state regulations or codes.

In the absence of such codes, **ALL** electrical connections, material, and workmanship **must conform** to the applicable requirements of the NATIONAL ELECTRIC CODE ANSI/NFPA NO. 70 or the CANADIAN ELECTRICAL CODE, CSA C22.1 - both the latest edition.

IMPORTANT: Failure to comply with these codes or ordinances and/or the requirements stipulated in this manual can result in personal injury or component failure.

NOTE: Component failure due to improper installation will **VOID THE WARRANTY**.

IMPORTANT: A separate circuit serving each dryer must be provided. The dryer must be connected to copper wire only. **DO NOT** use aluminum wire which could cause a fire hazard.

NOTE: The use of aluminum wire will **VOID THE WARRANTY**

Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper operation or component failure.

Electric Service

Gas dryers ONLY

IMPORTANT: The dryer must be connected to the electrical supply shown on the data label affixed to the dryer. In the case of 208 VAC or 240 VAC, the supply voltage must match the electric service specifications of the data label exactly. Wire must be properly sized to handle the rated current.

WARNING: 120 VAC, 208 VAC and 240 VAC ARE NOT THE SAME. Any damage done to dryer components due to improper voltage connections will **VOID THE WARRANTY**.



Electric Dryers ONLY

ALL electrically heated dryers must be connected to the electric supply service shown on the dryer's data label which is affixed to the back side of the control (service) door. The connecting wires must be properly sized to handle the rated current.

NOTE: Component failure due to improper voltage application will **VOID THE WARRANTY**.

Gas Information

It is your responsibility to have **ALL** plumbing connections made by a qualified professional to insure that the installation is adequate and conforms with local and state regulations or codes. In the absence of such codes, **ALL** plumbing connections, material, and workmanship must conform to the applicable requirements of the **National Fuel Gas Code ANSI Z223.1** or the **CAN/CGA-B149, INSTALLATION CODES** - both the latest edition.

IMPORTANT: Failure to comply with these codes or ordinances, and/or the requirements stipulated in this manual, can result in personal injury and improper operation of the dryer.

The dryer **must be** isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or greater than $\frac{1}{2}$ psig (3.5 kPa).

IMPORTANT: Failure to isolate or disconnect the dryer from the gas supply as noted can cause irreparable damage to the gas valve and will **VOID THE WARRANTY**.

WARNING: **FIRE or EXPLOSION COULD RESULT.**



Gas Supply

The gas dryer installation must meet the American National Standard, National Fuel Gas Code Z223.1-LATEST EDITION, as well as local codes and ordinances and **must be** done by a qualified professional.

NOTE: Undersized gas piping will result in ignition problems, slow drying, increased use of energy, and can create a safety hazard.

The dryer **must be** connected to the type of heat/gas indicated on the dryer data label. If this information does not agree with the type of gas available, **do not** operate the dryer. Contact your local dealer or the Wascomat Service Department.

IMPORTANT: Any burner changes or conversions **must be** made by a qualified licensed professional.

The input ratings shown on the dryer data label are for elevations of up to 2,000 feet. The adjustment or conversion of the dryer(s) in the field for elevations over 2,000 feet are made by changing each burner orifice.

If these conversions are necessary, contact your local dealer or the Wascomat Service Department.

Gas Data

Natural Gas

The natural gas supply pressure to the dryer **must be** between 6 and 10 inches water column. If the pressure is too low, ignition failure and/or slow drying times may result. Excessively high supply pressure will result in erratic operation of the gas valve's internal pressure regulator. The pressure measured at the pressure tap (2) on the body of the gas valve **must be** on type TD135 3.2-inches water column.

Propane Gas

Dryers made for use with propane gas have the gas valve pressure regulator blocked open, so that the gas pressure **must be** regulated upstream from the dryer. The pressure measured at the gas valve body pressure tap (2) **must be** 11 inches water column. In accordance with American Gas Association (AGA) standards, a gas pressure regulator, when installed indoors, must be equipped with a vent limiter or a vent line must be installed from the gas pressure regulator vent to the outdoors.

The water column pressure **must be** regulated at the source (propane tank), or an external regulator must be added to each dryer.

Piping/Connections

The dryer is provided with a 1" NPT. inlet pipe connection extending out the rear area or through the top of the dryer. For ease of servicing, the gas supply line of each dryer should have its own shut-off valve.

The size of the gas supply line (header) will vary depending on the distance this supply line travels from the gas meter or, in the case of propane gas, the supply tank, the number of tees, other gas-operated appliances, etc. Specific information regarding supply line size **should be** determined by the gas supplier.

NOTE: Undersized gas supply piping can create a low or inconsistent gas pressure which will result in erratic operation of the burner.

Consistent gas pressure is essential at **ALL** gas connections. It is recommended that a $\frac{3}{4}$ -inch pipe gas loop be installed in the supply line serving the bank of dryers. An in-line pressure regulator **must be** installed in the gas supply line (header) if (natural) gas line pressure exceeds 12-inches water column pressure.

(continued next page)

Safety and warning signs

IMPORTANT: Water column pressure of 3.2 -inches for natural gas dryers is required at the gas valve pressure tap (2) on both valves for proper and safe operation.

A $\frac{1}{8}$ " NPT plugged tap, accessible for test gauge connection, **must be** installed in the main gas supply line immediately upstream from each dryer.

IMPORTANT: Pipe joint compounds that resist the action of natural gas and propane gas **MUST BE** used.

WARNING: Test ALL connections for leaks by brushing on a soapy water solution (liquid detergent also works well). **NEVER TEST FOR GAS LEAKS WITH AN OPEN FLAME.**

ALL components / materials **must conform** to NATIONAL FUEL GAS CODE specifications. It is important that gas pressure regulators meet applicable pressure requirements and that gas meters are rated for the total amount of appliance BTU's being supplied.



Safety instructions



This machine is only intended for drying water-washed garments.

Clothes that have been cleaned with chemicals/flammable liquids, must NOT be dried in the machine.

Remove clothes from the dryer as soon as they are dry. This prevents them from becoming creased, and reduces the risk of spontaneous ignition.

The machine must not be used for drying foam rubber or foam-like materials.

The machine must not be used for drying floor mops*.

The machine must not be used by minors.

The machine must not be hosed down with water.

The machine must not be installed or stored in an area where it will be exposed to water and/or weather.

Mechanical, electrical and gas installations and service must only be carried out by authorised personnel.

Report machine malfunctions to authorised service personnel as soon as possible. This is important for your own safety and for the safety of others.

Gas dryers only:

The machine is not to be installed in rooms containing cleaning machines with perchloroethylene, TRICHLOROETHYLENE or CHLOROFLUOROCONTAINING HYDROCARBONS as cleaning agents.

What to do if you smell gas:

Do not try to light any appliance.

Do not touch any electrical switch; do not use any phone in your building.

Evacuate the room, building or area.

Contact appropriate authorities.

***Applies only to floor mops containing polypropylene.**

Additional safety instructions and warnings

Using the dryer

- **Do not** operate this appliance before reading the instruction manuals.
- **Do not** put articles containing foam rubber, plastic or similarly textured rubberlike materials in the dryer.
- **Do not** dry mopheads or articles exposed to gasoline, kerosene, paint wax, grease, combustible detergent or all purpose cleaners.
- **Do not** use heat for drying foam rubber items or similarly textured rubberlike materials.
- **Do not** put articles soiled with flammable liquids, vegetable or cooking oils in dryer.
- **Do not** load materials containing flammable solvents into this appliance.
- **Do not** reach into dryer until all moving parts have stopped.
- **Do not** let children play in or near dryer.
- **Do not** operate with panels, covers or guards removed from this appliance.
- Remove articles being dried immediately after dryer stops.
- Lint screen must be cleaned in accordance with the manufacturer's recommended frequency guidelines.
- Avoid overdrying items such as silk and wool, as shrinkage or fabric damage may result.

The area surrounding the dryer

- **Do not** store or use flammable liquids near the dryer.
- **Do not** store chemicals, or spray aerosols near this appliance.
- **Do not** store or use aerosols or cleaning solvents in the vicinity of the dryer. Some chemicals used in laundries contain Chlorine (some dry-cleaning fluids, aerosols and bleach) When exposed to a flame, these chemicals may produce toxic fumes that are harmful to humans and highly corrosive.
- **Do not** place articles on or against this appliance.
- This dryer is not to be used in the presence of dry cleaning solvents.
- A clothes dryer produces combustible lint and the area around the clothes dryer should be kept free of lint.

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The manufacturer reserves the right to make changes to design and component specifications.

Safety Precautions



Safety Precautions



Do not dry unwashed items in the machine

The machine is not to be used if industrial chemicals have been used for cleaning.

Do not allow minors to use the machine.

Do not hose down the machine with water.

The machine's door lock must under no circumstances be bypassed.

Items that have been soiled with substances such as cooking oil, acetone, alcohol, petrol, kerosene, spot removers, turpentine, waxes and wax removers should be washed in hot water with an extra amount of detergent before being dried in the machine.

Items such as foam rubber (latex foam), shower caps, waterproof textiles, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the machine.

Fabric softeners or similar products should be used as specified by the fabric softener instructions.

The machine may not be used to dry floor mops that contain polypropylene.

The final part of a drying cycle occurs without heat (cool down cycle) to ensure that the items are left at a temperature that ensures that the items will not be damaged.

WARNING. Never stop the machine before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.

Remove garments from the machine as soon as they are dried. This prevents them from becoming creased and reduces the risk of spontaneous ignition.

If the machine develops a fault, this must be reported to the person in charge as soon as possible. This is important both for your safety and that of others.

The machine must not be located where a door, sliding door, etc., can block the machine's door

The machine is not intended to be used by people (including minors) with reduced physical or mental capacity or lack of experience and knowledge. Such people must be instructed in the use of the machine by a person who has responsibility for their safety. Minors must be supervised to ensure that they do not play with the machine.

Adequate ventilation has to be provided to avoid the back flow of gases into the room for appliances burning other fuels, including open fires.

Gas heated tumble dryer:

The machine is not to be installed in rooms containing cleaning machines with perchloroethylene, TRICHLOROETHYLENE or CHLOROFLUOROCONTAINING HYDROCARBONS as cleaning agents.

If you can smell gas,

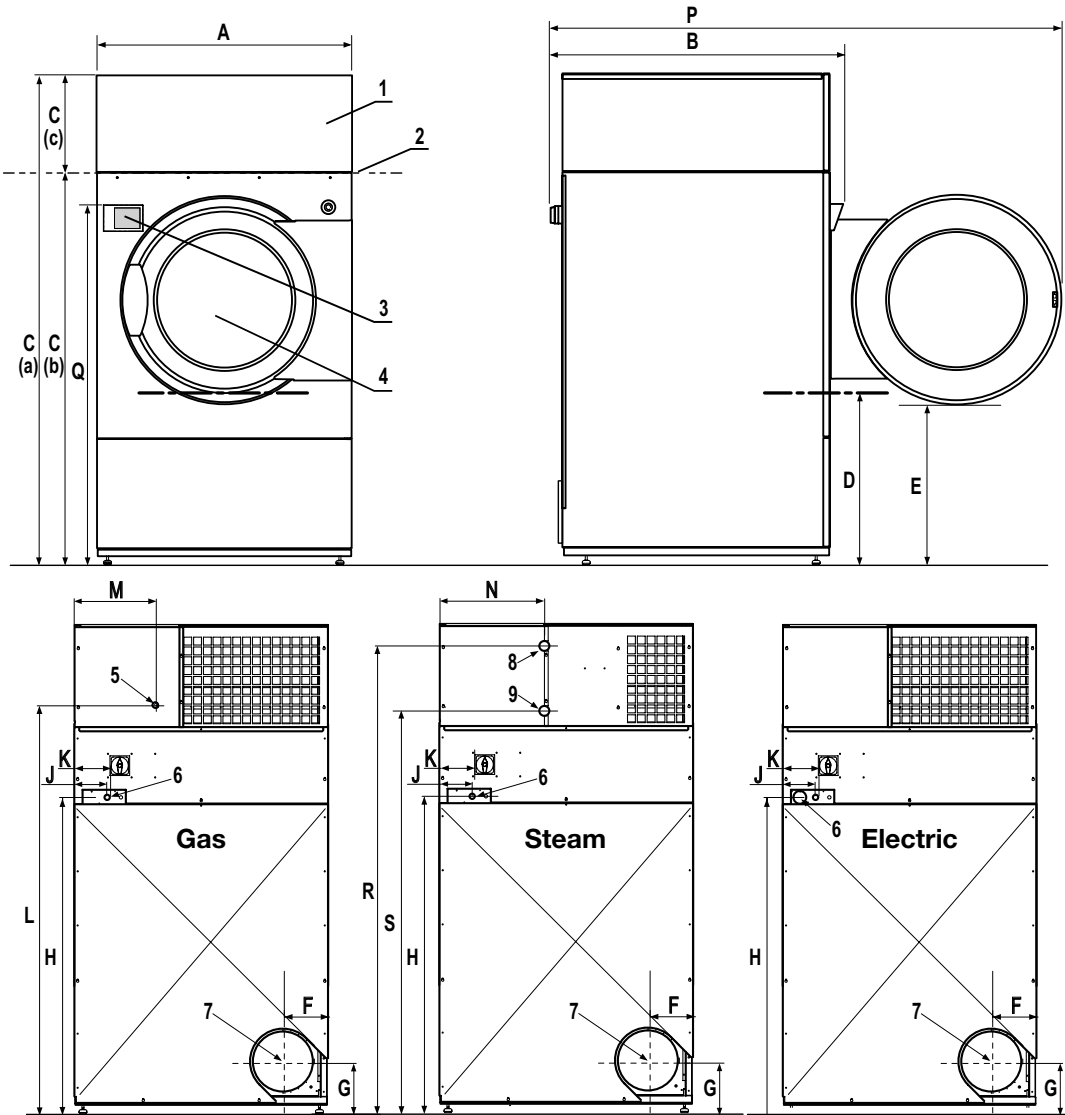
- **Do not switch on any equipment**
- **Do not use electrical switches**
- **Do not use telephones in the building**
- **Evacuate the room, building or area**
- **Contact the person responsible for the machine**

Dimension sketch. Dryer with standard loading door (measurements in mm)

1	Heating unit
2	Delivery height, excl. 100 mm packaging
3	Operating panel
4	Door opening, Ø 940 mm
5	Gas connection
6	Electric connection
7	Exhaust duct
8	Steam inlet
9	Steam return

	A	B	C (a)	C (b)	C (c)	D	E	F	G	H	J	K	L	M	N
TD100	1290	1295	2465	1965	500	850	790	230	245	1590	165	180	2055	410	530
TD135	1290	1485	2465	1965	500	850	790	230	245	1590	165	180	2055	410	530

	P	Q	R	S
TD100	2400	1868	2350	2060
TD135	2590	1868	2350	2060

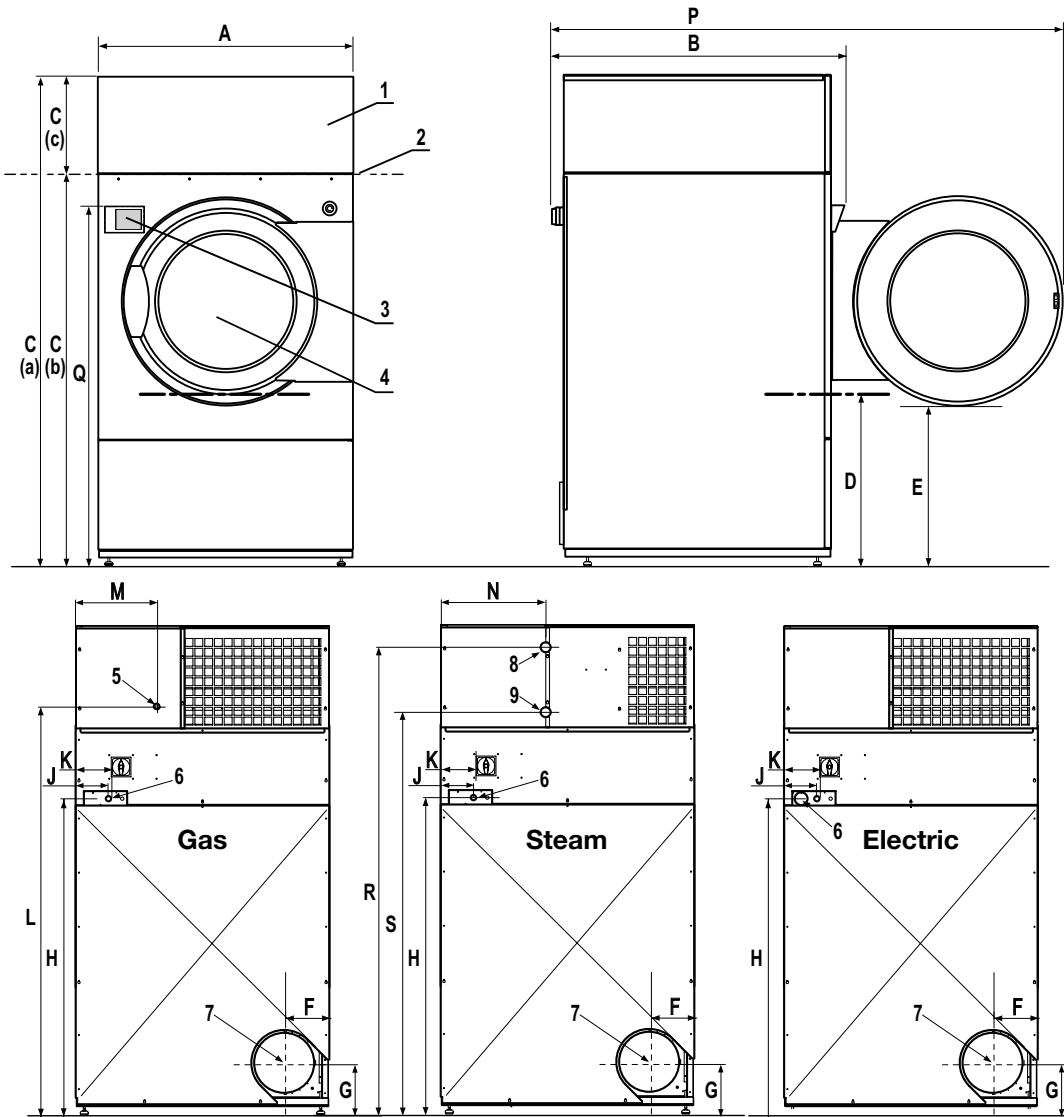


Dimension sketch. Dryer with standard loading door
(measurements in inch)

1	Heating unit
2	Delivery height, excl. 3 15/16 inch packaging
3	Operating panel
4	Door opening, Ø 37 inch
5	Gas connection
6	Electric connection
7	Exhaust duct
8	Steam inlet
9	Steam return

	A	B	C (a)	C (b)	C (c)	D	E	F	G	H	J
TD100	50 13/16	51	97 1/16	77 3/8	19 11/16	33 7/16	31 1/8	9 1/16	9 5/8	62 5/8	6 1/2
TD135	50 13/16	58 7/16	97 1/16	77 3/8	19 11/16	33 7/16	31 1/8	9 1/16	9 5/8	62 5/8	6 1/2

	K	L	M	N	P	Q	R	S
TD100	7 1/16	80 7/8	16 1/8	20 7/8	94 1/2	73 9/16	92 1/2	81 1/8
TD135	7 1/16	80 7/8	16 1/8	20 7/8	101 15/16	73 9/16	92 1/2	81 1/8

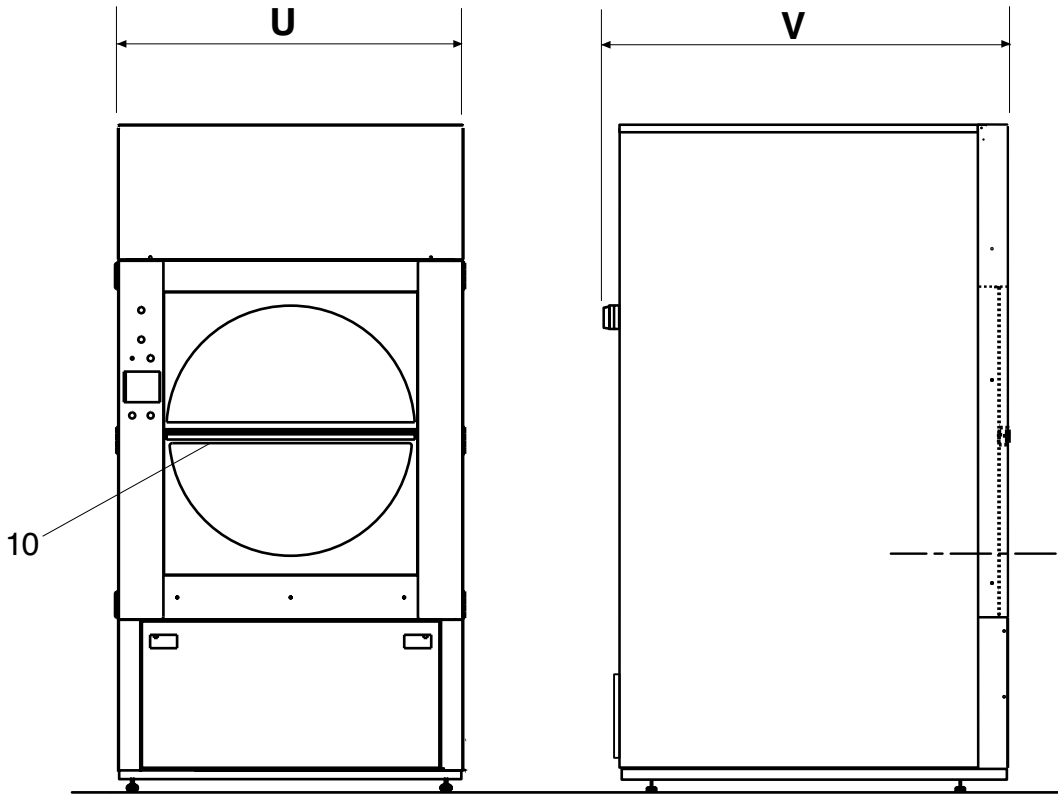


Dimension sketch. Dryer with Sliding Door

10	Sliding Door, Door opening Ø 940 mm / 37 inch
	Where nothing else is mentioned the dimension sketch applies to “Dryer with standard loading door”

mm	U	V
TD100	1314	1290
TD135	1314	1480

inch	U	V
TD100	51 3/4	50 13/16
TD135	51 3/4	58 1/4

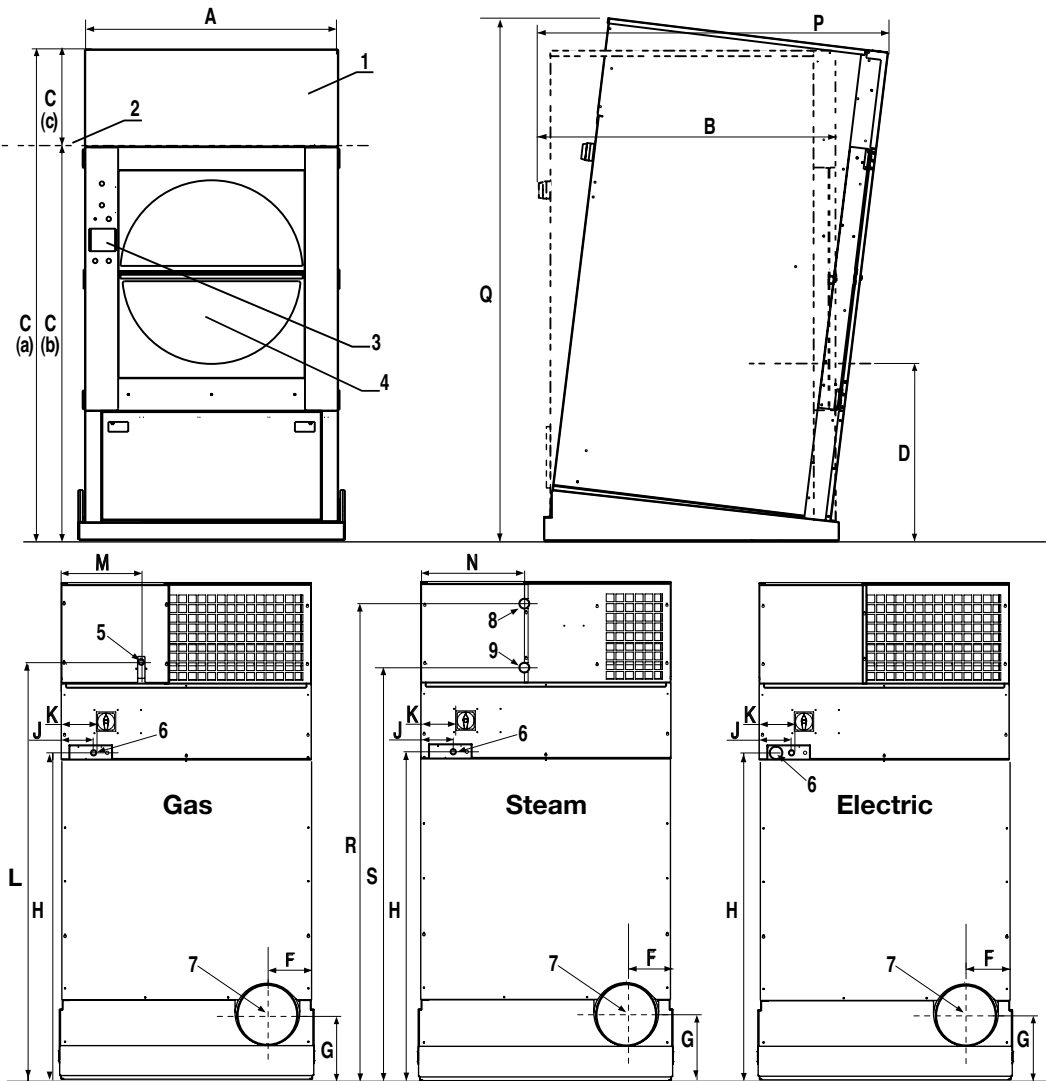


Dimension sketch. Dryer with Sliding Door and tilt
(measurements in mm)

1	Heating unit
2	Delivery height, excl. 100 mm packaging
3	Operating panel
4	Door opening, Ø 940 mm
5	Gas connection
6	Electric connection
7	Exhaust duct
8	Steam inlet
9	Steam return

	A	B	C (a)	C (b)	C (c)	D	E	F	G	H	J	K	L	M	N
TD100	1320	1295	2550	2045	500	930	-	230	330	1670	165	180	2130	410	530
TD135	1320	1485	2550	2045	500	930	-	230	330	1670	165	180	2130	410	530

	P	Q	R	S
TD100	1540	2660	2425	2130
TD135	1740	2680	2425	2130

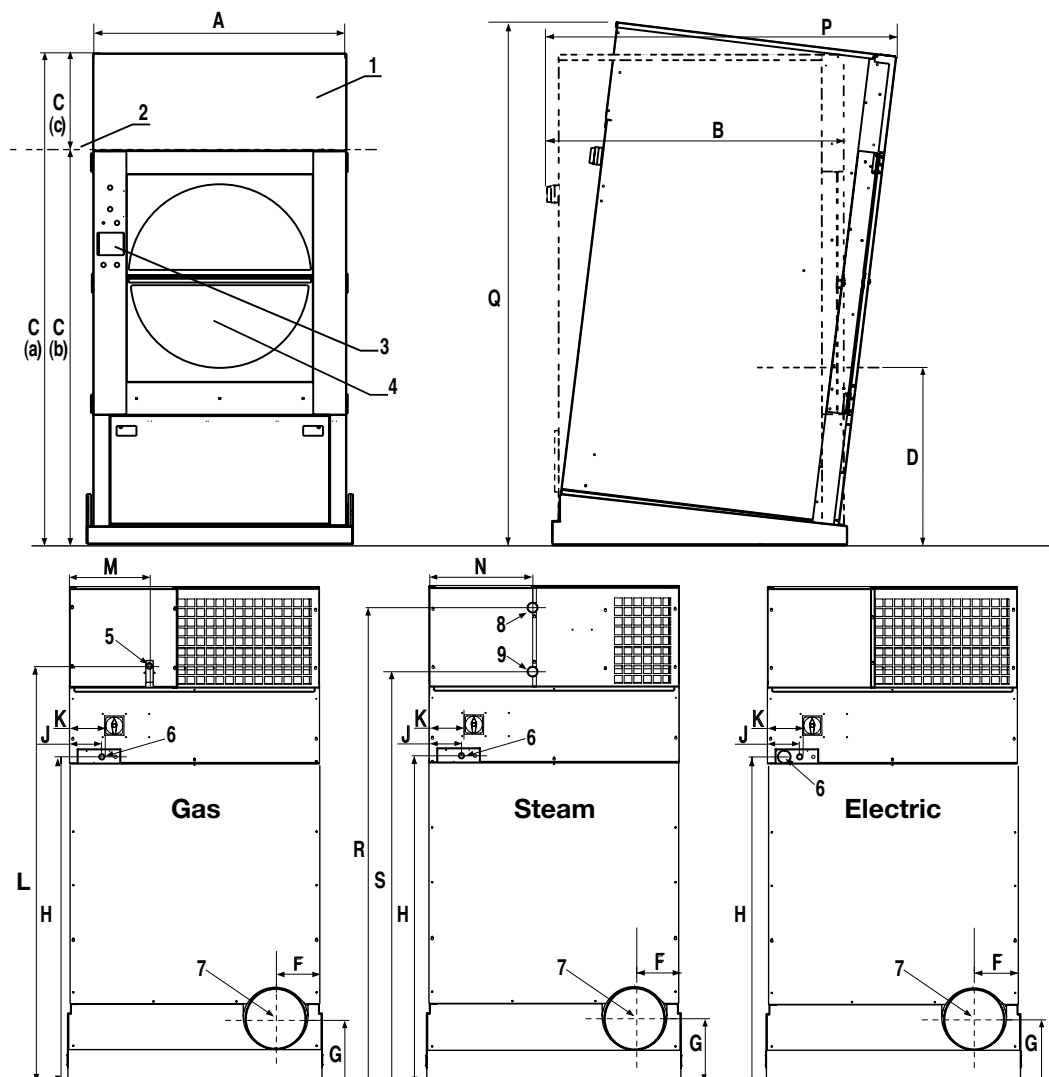


Dimension sketch. Dryer with Sliding Door and tilt (measurements in inch)

1	Heating unit
2	Delivery height, excl. 3 15/16 inch packaging
3	Operating panel
4	Door opening, Ø 37 inch
5	Gas connection
6	Electric connection
7	Exhaust duct
8	Steam inlet
9	Steam return

	A	B	C (a)	C (b)	C (c)	D	E	F	G	H	J
TD100	51 15/16	51	100 3/8	80 1/2	19 11/16	36 5/8	-	9 1/16	13	65 3/4	6 1/2
TD135	51 15/16	58 7/16	100 3/8	80 1/2	19 11/16	36 5/8	-	9 1/16	13	65 3/4	6 1/2

	K	L	M	N	P	Q	R	S
TD100	7 1/16	83 7/8	16 1/8	20 7/8	60 5/8	104 3/4	95 1/2	83 7/8
TD135	7 1/16	83 7/8	16 1/8	20 7/8	68 1/2	105 1/2	95 1/2	83 7/8



Technical data - type TD100

Heating		Gas	Steam	Electric
Cylinder volume: (900 litres)		32 cu.ft	32 cu.ft	32 cu.ft
Weight net:	Basic machine (440 kg)	970 lb	970 lb	970 lb
	with Sliding Door (494 kg)	1087 lb	1087 lb	1087 lb
	with Sliding Door and tilt (546 kg)	1203 lb	1203 lb	1203 lb
	Heating unit	86 lb (39 kg)	110 lb (50 kg)	93 lb (42 kg)
	Tilting unit (66 kg)	146 lb	146 lb	146 lb
Cylinder:	Diameter (1240 mm)	48 13/16"	48 13/16"	48 13/16"
	Depth (770 mm)	30 5/16"	30 5/16"	30 5/16"
	Revolutions per minute	38 rpm	38 rpm	38 rpm
Capacity:	(45 kg)	100 lb	100 lb	100 lb
Heat effect:	Gas heating (64 kW)	219000 BTU/h	Depending upon steam pressure	
	Steam heating			
	Electric heating (48 kW)			164000 BTU/h
	Electric heating (60 kW)			205000 BTU/h
Air consumption:	Heat effect (2300 m ³ /h)	1354 cu.ft./ min		
	Steam (2300 m ³ /h)		1354 cu.ft./ min	
	Electric (2300 m ³ /h)			1354 cu.ft./ min
Piping:	Exhaust duct (Ø 315 mm)	Ø 12"	Ø 12"	Ø 12"
Piping	Gas connection	1" NPT		
	Steam in		ISO 228/1 - G1	
	Steam out		ISO 228/1 - G1	
Max. counter-pressure: (100 Pa)		0.37" W.C	0.37" W.C	0.37" W.C
Gas pressure: See page regarding pressure				
Sound pressure level:		< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - type TD135

Heating		Gas	Steam	Electric
Cylinder volume: (1200 litres)		42.4 cu.ft	42.4 cu.ft	42.4 cu.ft
Weight net: Basic machine (470 kg)		1036 lb	1036 lb	1036 lb
with Sliding Door (524 kg)		1153 lb	1153 lb	1153 lb
with Sliding Door and tilt (576 kg)		1270 lb	1270 lb	1270 lb
Heating unit		101 lb (46 kg)	110 lb (50 kg)	93 lb (42 kg)
Tilting unit (66 kg)		146 lb	146 lb	146 lb
Cylinder:				
Diameter (1240 mm)		48 13/16"	48 13/16"	48 13/16"
Depth (1000 mm)		39 3/8"	39 3/8"	39 3/8"
Revolutions per min		38 rpm	38 rpm	38 rpm
Capacity:	(60 kg)	135 lb	135 lb	135 lb
Heat effect:				
Gas heating (82 kW)		280000 BTU/h		
Steam heating			Depending upon steam pressure	
Electric heating (60 kW)				205000 BTU/h
Electric heating (72 kW)				240000 BTU/h
Air consumption: Gas max. (3000 m³/h)				1765 cu.ft / min
Steam max. (3000 m³/h)			1765 cu.ft / min	
Electric max.(3000 m³/h)				1765 cu.ft / min
Piping:				
Exhaust duct (Ø 315 mm)		Ø 12"	Ø 12"	Ø 12"
Piping:				
Gas connection		1" NPT		
Steam in			ISO 228/1 - G1	
Steam out			ISO 228/1 - G1	
Max. counter-pressure: (100 Pa)		0.37" W.C	0.37" W.C	0.37" W.C
Gas pressure: See page regarding pressure				
Sound pressure level:		< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - motor specifications - TD100, TD135

Blower motor 3-phase:		
Effect:		1.5 hp (1.1 kW)
Revolutions per minute:	50 Hz	2800 rpm
	60 Hz	3400 rpm
Drum motor 3-phase:		
Effect:		2.0 hp (1.5 kW)
Revolutions per minute:	50 Hz	1440 rpm
	60 Hz	1730 rpm

Setup

Unpacking

Place the dryer in its place before unpacking it. When unpacking the dryer, handle it with care.

Positioning

Place the dryer in such a way that work can be done as easily as possible by the user and the service technician alike.

The distance to the wall or other equipment behind the dryer should be min. 500 mm / 19 11/16 inch.

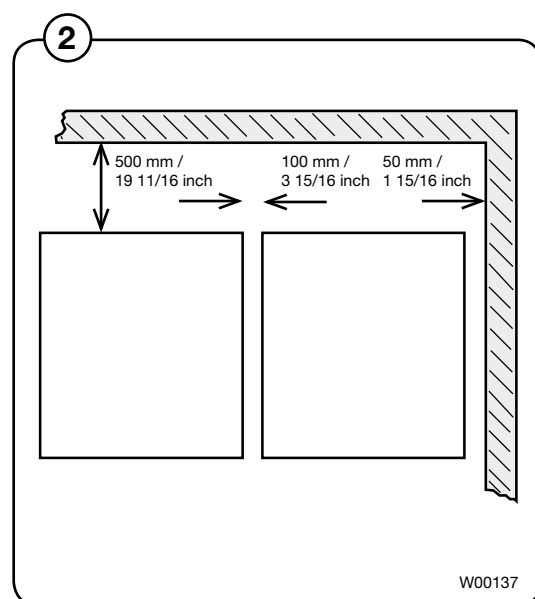
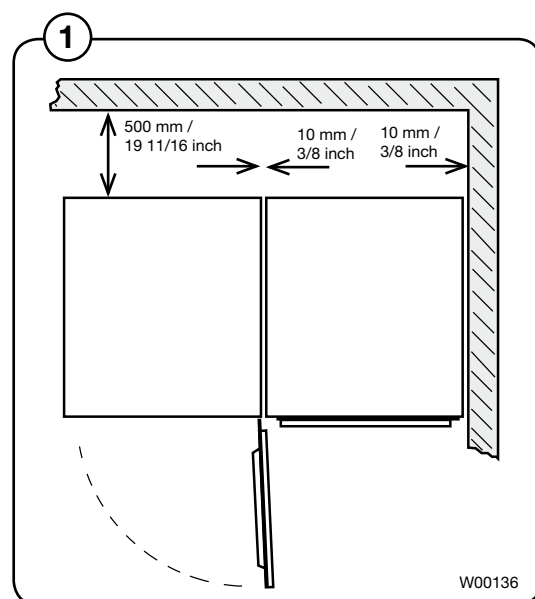
However, there should be free access to the back of the dryer for the purpose of servicing it.

Dryer with standard loading door

- ① Apart from the minimum distances shown on fig. 1 there are no further requirements to the distance around the dryer.

Dryer with Sliding Door and tilt

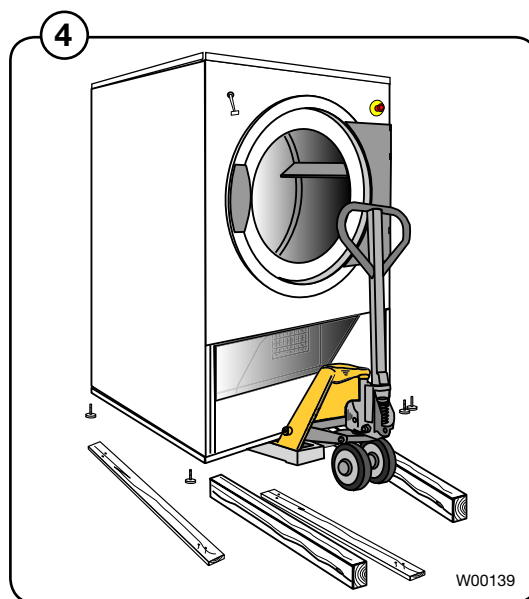
- ② Apart from the minimum distances shown on fig. 2 there are no further requirements to the distance around the dryer.



Removal from transportation pallet

1. Demount back plates and filter door.
- 3 2. Knock the two wood boards loose, one in front and one in the back, with a hammer.
3. Demount the 4 screws holding the bars.
4. Lift the dryer with pallet truck or fork-lift truck and remove the bars.
- 4 5. Mount the four feet in the bottom bearers.
6. T41200 only.
When pallet truck or fork-lift truck is removed the 2 steel sections are disengaged.

Remove steel sections and the remainder from transportation pallet.



Dryer with tilting function

Before installing the dryer follow the tilt installation manual.

Flexible piping connection, gas heated dryers

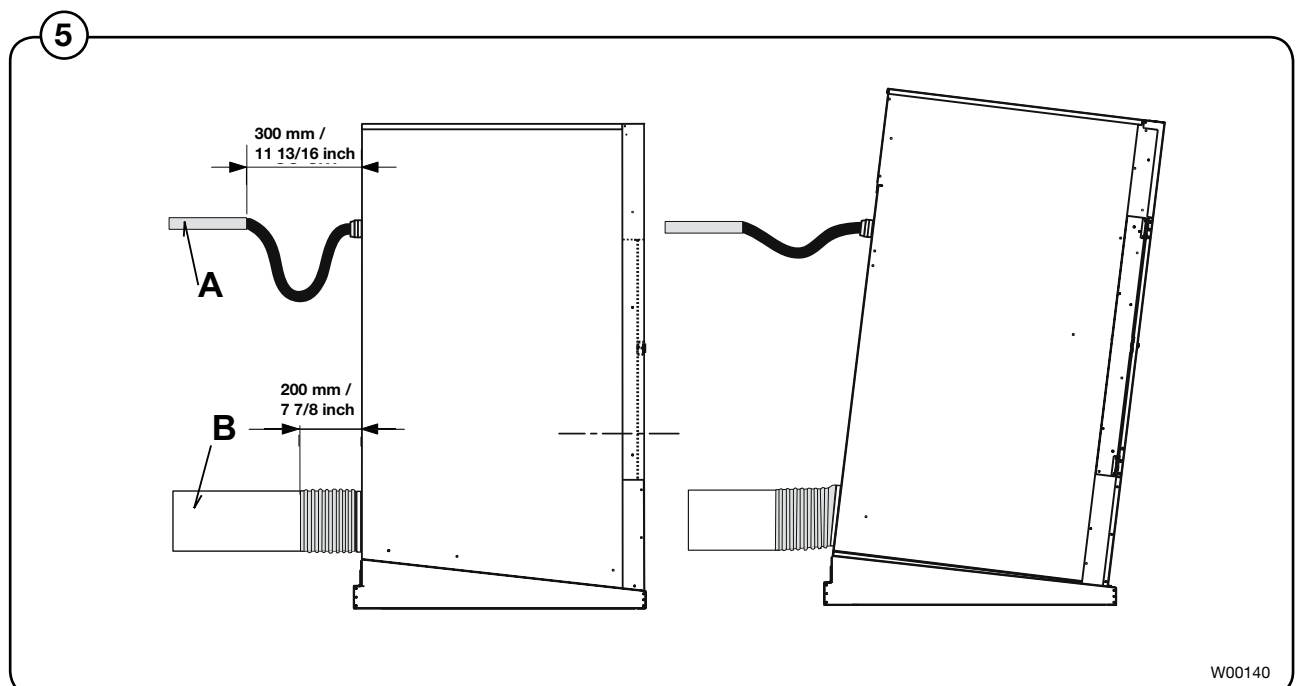
- ⑤ Due to the tilting function gas pipe **A** must end 300 mm / 11 13/16 inch before the dryer and the last piece of it must be flexible eg. an approved 600 mm / 23 5/8 inch gas hose.

Flexible piping connection, steam heated dryers

Due to the tilting function the steam hoses must have an excessive length of 300 mm / 11 13/16 inch.

Outlet duct, all heating types

- ⑤ Due to the tilting function the outlet duct **B** must have a flexible hose 200 mm / 7 7/8 inch before the dryer.



Installation

Mechanical installation

- ① Adjust the dryer to ensure that it is horizontal and stands firmly on all four feet (the height adjustment must be as low as possible).

The maximum height adjustment of the feet is 70 mm / 2 3/4 inch and is only to be used cautiously while removing lifting truck or fork truck.

Heating unit

The heating unit is to be mounted on top of the dryer.

During transport the top plate for the heating unit is placed on top of the dryer.

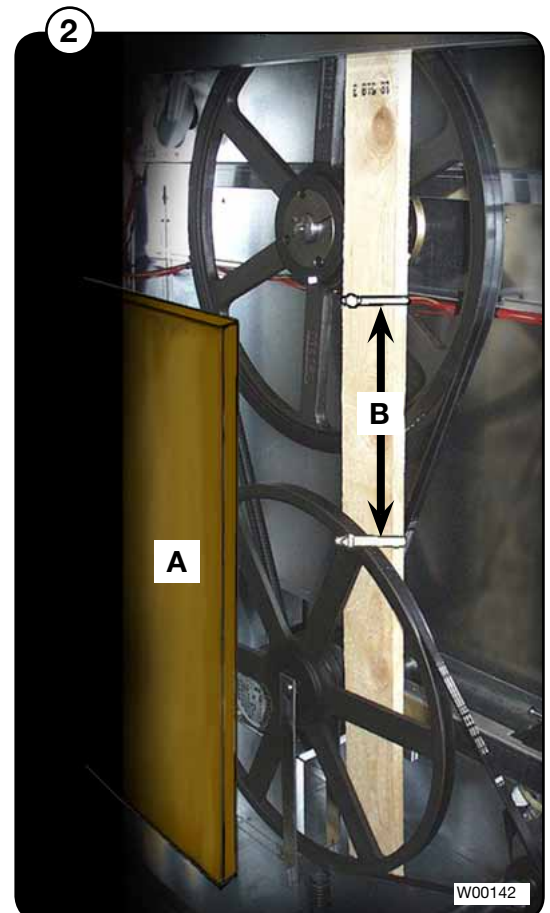
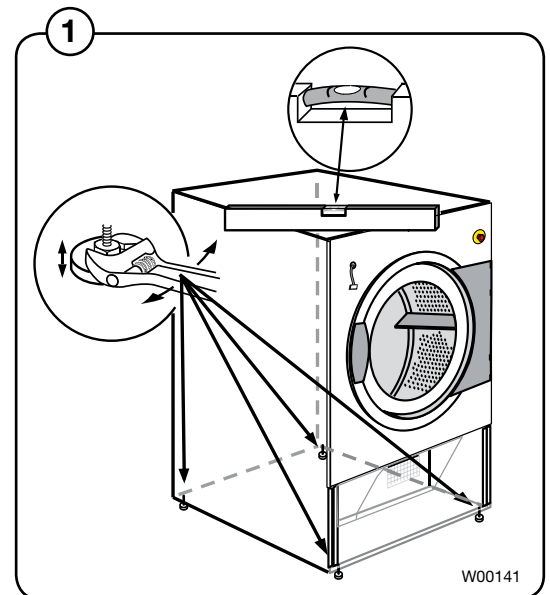
- ② Equally during transport the two side panels and the bracing bar **A** are placed in the back of the dryer.

See the installation manual for the heating unit.

Transportation fittings

During transport the transmission is secured.

- ② Remove the transportation securing **B** by cutting the strips.



Exhaust system

Air principle

The blower creates low pressure in the dryer, drawing air into the cylinder via the heating unit.

The heated air passes through the garments and the cylinder vents.

- 3 The air then flows out through a lint filter positioned immediately below the drum. After this, the air is evacuated through the blower and exhaust system.

It is very important that the dryer gets enough fresh air, see next section.

Fresh-air

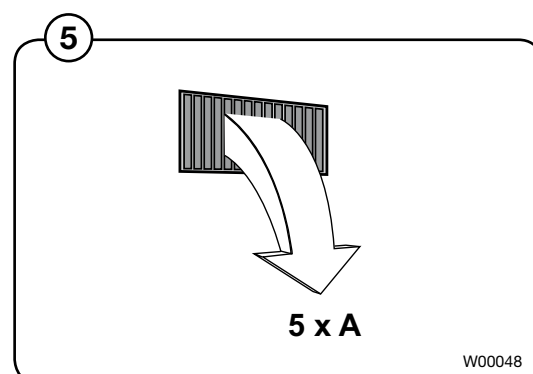
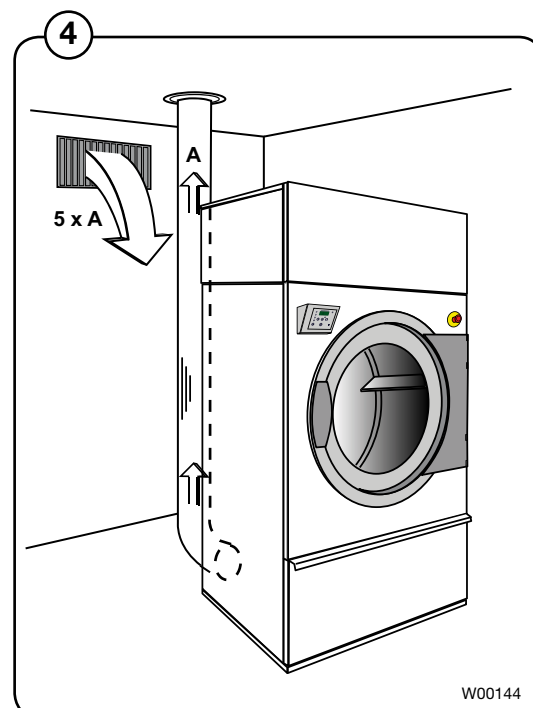
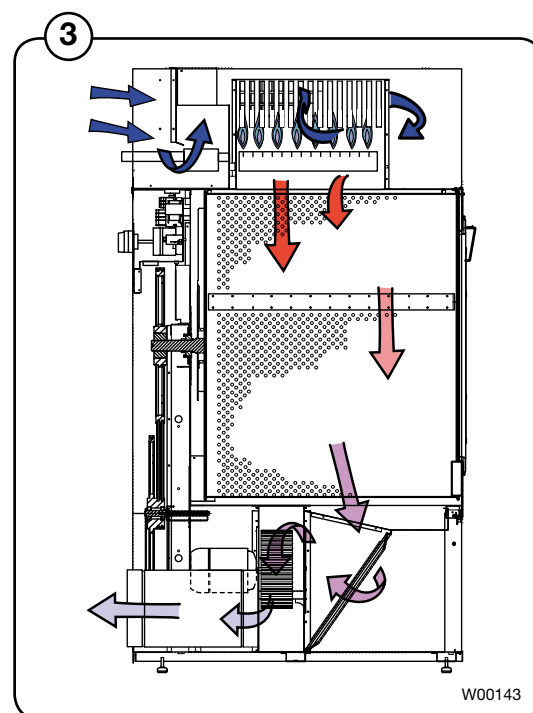
- 4 For maximum efficiency and the shortest possible drying time, it is important to ensure that fresh air is able to enter the room from the outside in the same volume as that blown out of the room.
- 5 To avoid a draught in the room, it is advisable to place the air inlet behind the dryer. The area* of the air inlet opening must be 5 times the size of the exhaust pipe area.

See table on the following page.

The resistance in the grating/slats on the air inlet cover plate should not exceed 10 Pa (0.1 mbar).

Note! Gratings/slatted covers often block half of the total fresh air vent area. Remember to take this into account.

*The area of the inlet opening is the area through which the air can flow without resistance from grating/slatted cover.



Exhaust duct

It applies to the exhaust duct that:

- The exhaust duct must be smooth on the inside (low air resistance).
- The exhaust duct must lead into the open.
- The exhaust duct must lead clear of the building as condensation may cause frost damage to the building.
- The exhaust duct must be protected against rain and foreign objects.

⑥

- The exhaust duct must have gentle bends.
- The exhaust duct must not be a shared duct between dryers and appliances using gas or other fuels as their energy source.

It applies to the installation of several dryers on a shared exhaust duct that:

⑦

- The exhaust duct diameter must increase after each dryer.
The table below shows the exhaust duct diameter and the necessary fresh-air inlet area.
- The exhaust duct must have a nonreturn flap after each dryer.

Note! It is recommended that each dryer is connected to a separate exhaust duct.



The exhaust duct diameter must not be reduced.

No. of dryers	1	2	3	4	5	6	7	8
Minimum air outlet pipe diameter mm / inches	315 12-3/8"	450 18"	560 22"	630 24-3/4"	710 27-15/16"	800 31-1/2"	800 31-1/2"	900 35-7/16"
Minimum required area of fresh-air inlet in m ² / square feet	0.4 4	0.8 8-1/2	1.2 13	1.6 17	2.0 21-1/2	2.4 25-3/4	2.8 30	3.2 34-1/2

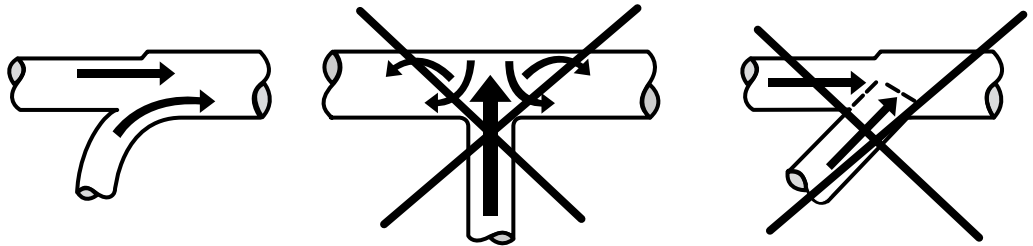
Each dryer requires a fresh-air aperture of min. 24 9/16" x 24 9/16" (624 x 624 mm)

Service organization/dealer

If you have questions relating to the design of the exhaust system, please contact your local dealer or service organization.

Gentle bends

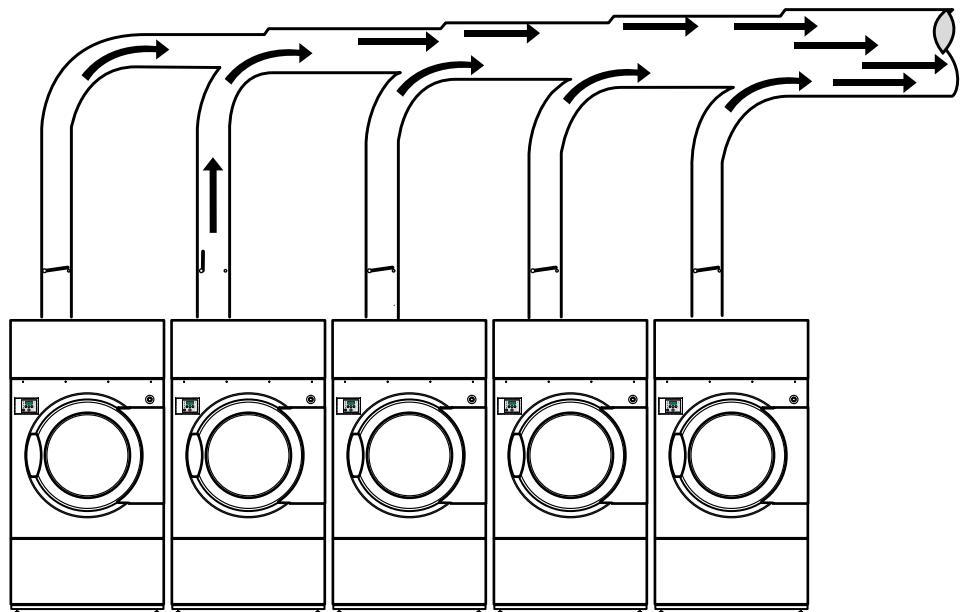
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Several dryers share an exhaust duct

7

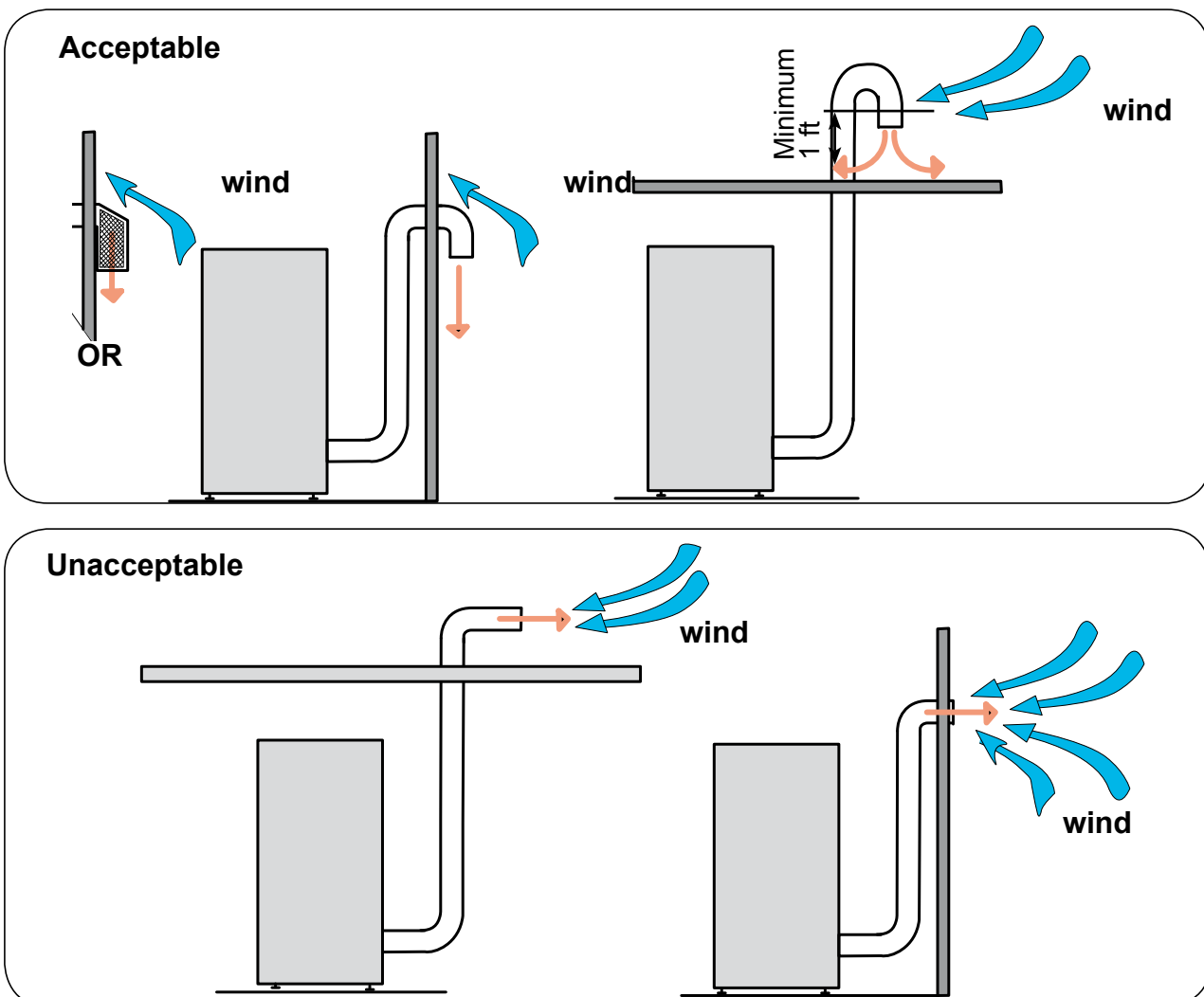


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Exhaust duct

The exhaust duct must be designed to minimize backpressure. The end of the exhaust duct must never be exposed to wind pressure.

Exhaust illustrations



Steam installation

Before start

The steam supply must be cut off and must not be under pressure.

Steam

Steam 3-10 bar absolute pressure
130 - 180°C / 266 - 356°F.

Steam forward

1. The branch pipe's branch must be located at the top of the main steam pipe to prevent condensation in the steam.
2. The branch pipe must have a descending gradient and must end at a height above the inlet connecting branch (D).

- 8 3. Mount a shut-off valve (a) and a strainer (b) in the branch pipe.

Condensation return

1. It is important that the branch pipe for condensed water on return to the main condensate pipe has a descending gradient and is lower than the outlet connecting branch (E).
2. Mount a strainer (b) in the return pipe.
3. Mount a steam trap behind the dirt collector (c).
4. Then mount a shut-off valve (a).

- 8 5. Mount pressure hoses between branch pipes and dryer (hoses are not supplied).

- 9 6. The pressure hoses must not hang down.

Leak test

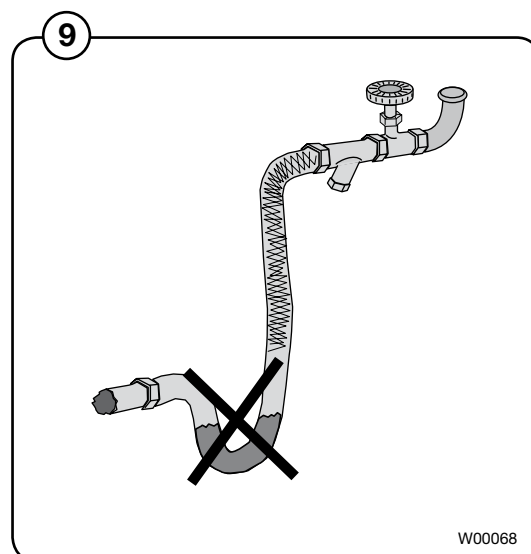
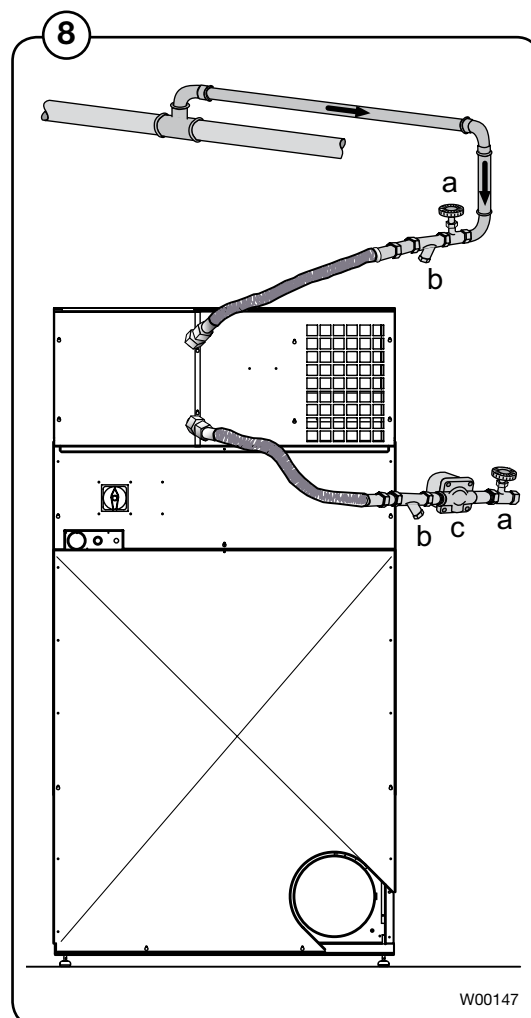
1. Leak test the system.
2. Clean the dirt collectors (b).

Function check

The function check is described in the back of this manual.

Pipe insulation

All pipes must be insulated in order to reduce risk of burning. Insulation also reduces loss of heat to the surroundings.



Note
Before installing dryer with tilt see section "Dryer with tilting function".

Gas installation



It is your responsibility to have all plumbing connections made by a qualified professional to insure that the gas plumbing installation is adequate and conforms with local and state regulations or codes. In the absence of such codes, **ALL** plumbing connections, material, and workmanship must conform to the applicable requirements of the **National Fuel Gas Code ANSI Z223.1-LATEST EDITION** or the **CAN/CGA-B149, INSTALLATION CODES** - both the latest edition.



- ① Install a manual gas shutoff valve upstream from the dryer.

The gas connection to the dryer should be dimensioned to an output depending upon the kW-rating of the dryer.

The factory nozzle pressure setting must correspond to the fuel value given on the data label.

Check that the nozzle pressure and fuel value agree with the values given in the table. If not, contact your gas supplier.

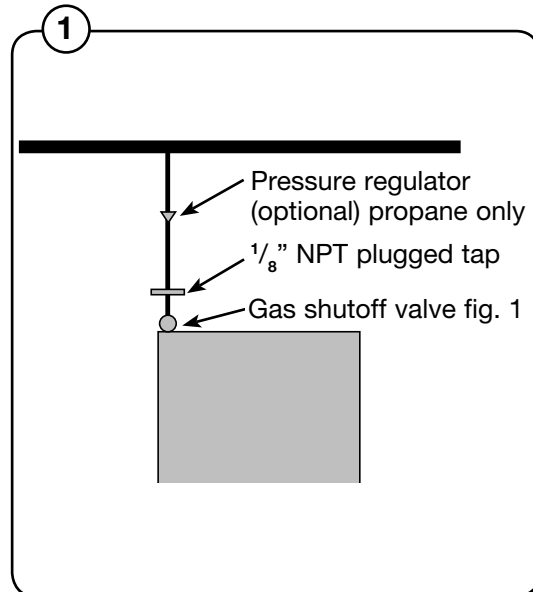
Bleed the pipe system before connecting the machine.

After connection, test all joints for leaks.

The dryer and its individual **shutoff** valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2 psig (3.5 kPa).

The dryer must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or greater than 1/2 psig (3.5 kPa).

A minimum 1/8 inch NPT plugged tap, accessible for test gage connection, must be installed immediately upstream from the gas supply connections to the dryer, fig. 1.



Note
Before installing dryer with tilt see section "Dryer with tilting function".

Test run

Note! To ensure the correct amount of air to the combustion, plate A must be mounted before starting the dryer, fig. 1.

Loosen the pressure measuring tap screw (2) 1/4 of a turn.

Connect a manometer to the measuring tap.

Fill garments into the drum.

Select a program that requires heat.

Start the dryer.

Check the nozzle pressure, see table regarding gas pressure and adjustments.

If necessary adjust the adjusting screw (4) found behind adjusting screw cap (3). Replace adjusting screw cap (3) if removed (see illustration on the following page).

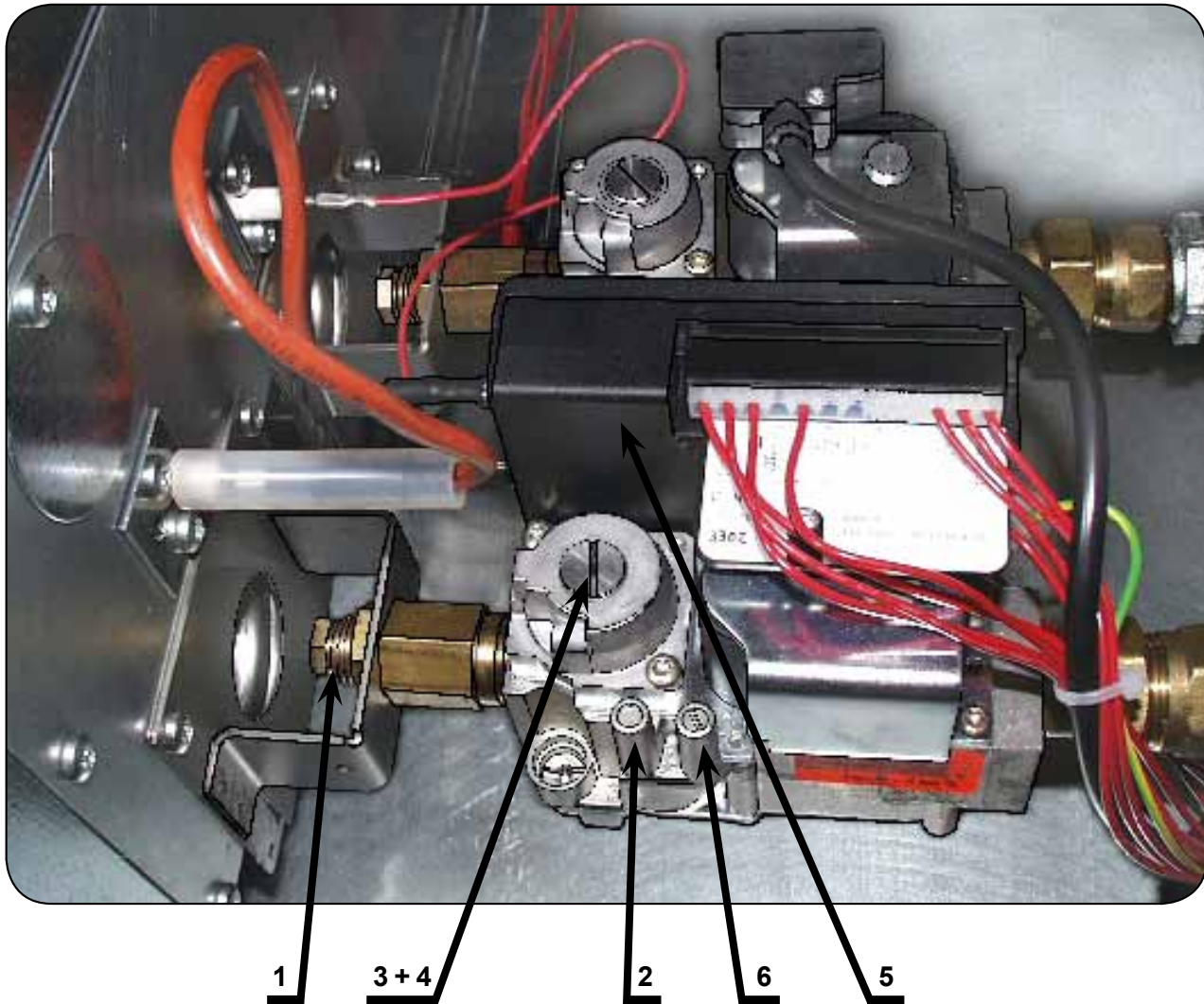
Check that the gas is burning evenly and with a bluish flame.

After testing, prepare the dryer for use.



Gas valve

1. Nozzle
2. Measuring tap, nozzle pressure
3. Cover screw
4. Adjusting screw
5. Controlbox, gasvalve
6. Measuring tap, supply pressure



Conversion to propane gas / natural gas

This machine has been build to run on neutral gas. If the machine is to be converted to another type of gas, the gas nozzle must be replaced. Conversion kit for propane gas is enclosed in secondary packing. Please contact your dealer or Electrolux if the current gas type is not propane/ natural gas.

Nozzle sizes depending on altitudes

The nozzles have to be ordered separately from the Customer Service Department 516-371-0770.

Dryer type TD100

Altitude (ft.)	Nozzle for natural gas		Nozzle for propane gas	
	Diameter (mm)	Art. no.	Diameter (mm)	Art. no
0-1999	Ø 5.0	471 98 53 54	Ø 3.1	471 98 53 57
2000-3999	Ø 4.7	471 98 53 76	Ø 2.9	471 98 53 91
4000-5999	Ø 4.7	471 98 53 76	Ø 2.9	471 98 53 91
6000-8000	Ø 4.6	471 98 53 53	Ø 2.6	471 98 53 70

Dryer type TD135

Altitude (ft.)	Nozzle for natural gas		Nozzle for propane gas	
	Diameter (mm)	Art. no.	Diameter (mm)	Art. no
0-1999	Ø 5.65	471 98 53 49	Ø 3.6	471 98 53 88
2000-3999	Ø 5.5	471 98 53 64	Ø 3.5	471 98 53 48
4000-5999	Ø 5.35	471 98 53 72	Ø 3.3	471 98 53 68
6000-8000	Ø 5.2	471 98 53 90	Ø 3.3	471 98 53 68

 Nozzles are enclosed the dryer

Conversion instructions

1. Disconnect the power to the dryer.
2. Remove the back plate.
3. Remove nozzle, see Fig. 3.
4. Mount the enclosed nozzles (1), see Fig. 3.
5. Loosen the measuring branch screw (2) 1/4 turn; connect a manometer to the measuring branch (2), see Fig. 3.
6. Connect the power and select a programme with heat.
7. Start the dryer.
8. See nozzle pressure in table on the previous page Fig. 1 or Fig. 2 - set the nozzle pressure on setting screw (4) under cover screw (3), see Fig. 3.
9. Check that the gas flame burns evenly and has a bluish colour.
10. Mount the cover screw (3), see Fig. 3.
11. Mount the back plate

NOTE: After the conversion has been carried out, the enclosed sign with the new gas type printed on it must be affixed to the dryer data plate, see instructions on the last page.

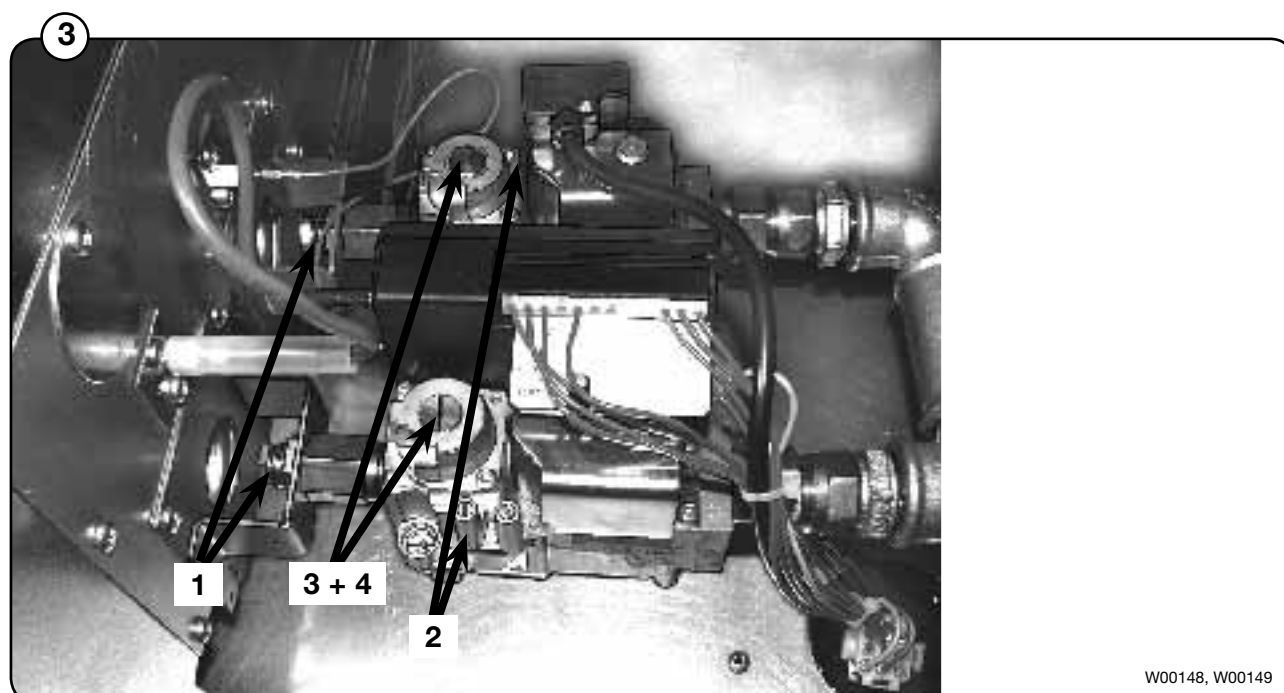


Table of pressures and adjustments

Heat effect: TD100 = 219000 BTU (64 kW)

Country	Gas type	Heat effect Btu/h	Upper calorific value MJ/m3	Inlet inch W.C.			Gas pressure Nozzle pressure (Measuring branch 2) inch W.C.	Ø Nozzle **mm	Label No.
				Min.	Nom.	Max.			
USA Canada	Propane	219000	93.7	10	11	13	11	3.1	487226118
	Natural gas	219000	37.78	6	7	10	3.2	5	

Heat effect: TD135 = 280000 BTU (82kW)

Country	Gas type	Heat effect Btu/h	Upper calorific value MJ/m3	Inlet inch W.C.			Gas pressure Nozzle pressure (Measuring branch 2) inch W.C.	Ø Nozzle **mm	Label No.
				Min.	Nom.	Max.			
USA Canada	Propane	280000	93.7	10	11	13	11	3.6	487226119
	Natural gas	280000	37.78	6	7	10	3.2	5.65	

** Nozzle dimension at altitude up to 1999 ft.

Installation

When the dryer is to be converted to another gas type, the data label on the rear of the dryer must be updated in order for the data to be correct.

Place the data label enclosed in the conversion kit on top of the data label as shown below.

TD30X30
 Product no.: 9873910048
 Serial no.: 63300 / 9999999
 QC: 09999999 Date: 0000 Wiring diag: 43232003245
 Program: 432661001,
 Type: N33030G3S
 ELECTROLUX LAUNDRY SYSTEMS SWEDEN AB

Product no.: 9873910048
 Serial no.: 63300 / 9999999
 QC number: 09999999 Date (YYMM): 0000
 Capacity: 30 lb per pocket
 Type/Model: N33030G3S
 Voltage: 208 – 240V 1N ~ 60Hz
 Each: 208 – 240V 1 AC 60Hz
 Rated Input: 2.0kW 10A
 Each: 1 kW 5A
 Inverse time circuit breaker: 2 X 15A

ETL
 C LISTED US
 Control no.: 2002548
 Confirms to:
 UL std. 1240 and
 ANSI std Z21.5.2
 Certified to CSA
 7.2:2005, add A

TOTAL GAS INPUT 143200 BTU/H EACH 71600 BTU/H
NATURAL GAS : 1075 BTU/CUFT
ORFICE MM : 3.8 (0 – 2000 FT ALTITUDE)
INLET PRESSURE MAX : 10" WC
INLET PRESSURE : REC: 7" WC
INLET PRESSURE : MIN 3.5" WC
MANIFOLD PRESSURE : 4.2" WC
CLOTHES DRYER VOL.II **IPX4**

For safety reasons use only genuine spare parts.

TD30X30
 Product no.: 9873910048
 Serial no.: 63300 / 9999999
 QC: 09999999 Date: 0000 Wiring diag: 43232003245
 Program: 432661001,
 Type: N33030G3S
 ELECTROLUX LAUNDRY SYSTEMS SWEDEN AB

Qn (Hs) 13.5kW
 DK.NO,SE,FI,GB,ES,GR,IE,IT,PT,AT: 12H-20 MBAR
 DE:12E(LL)-20MBAR
 ID.nr. 359BQ491
 MANIF.PRESSURE: 10 MBAR, INJECTOR.Ø3,10 MM
 NATURAL GAS: G20-20 MBAR
 (INLET PRES: 20 MBAR, CAL.VAL.37400 KJ/M3)
 487 22 93 64.00

Electric installation



It is your responsibility to have **ALL** electrical connections (including grounding) made by a properly licensed and competent electrician, to assure that the electric installation is adequate and conforms with local and state regulations or codes.

In the absence of such codes, **ALL** electric connections, material, and workmanship must conform to the applicable requirements of the **NATIONAL ELECTRIC CODE ANSI/NFPA NO. 70**-or the **CANADIAN ELECTRICAL CODE, CSA C22.1** - both the latest edition.

A separate circuit serving each dryer must be provided. The dryer must be connected to copper wire only. **DO NOT** use aluminum wire which could cause a fire hazard.

Circuit breaker group

The tumble dryer must be connected to its own fuse group / circuit breaker group and main switch.

Cable dimension

For calculation of the connection cable dimension, please refer to local guidelines.

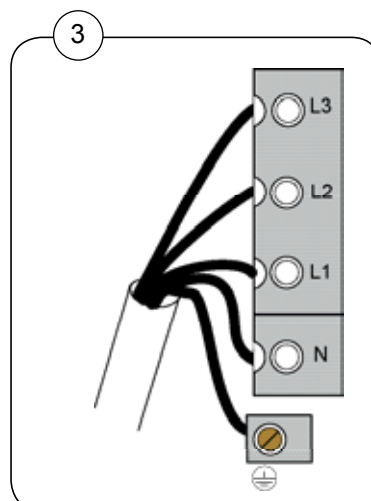
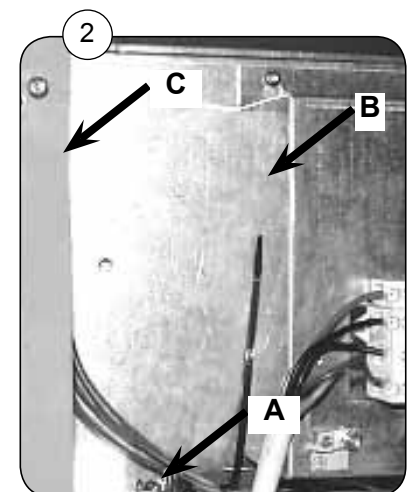
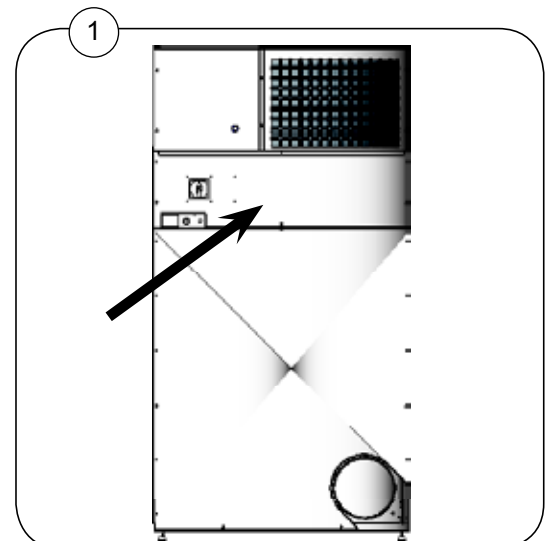
Connecting the cable

Demount back plate with supply disconnecter grip, fig. 1.

Lead cable **A** through the cable gland to the supply disconnecter **B**, fig. 2.

Connect cable as illustrated. If there is a neutrall conductor it must be connected to terminal N, fig. 3.

To be continued on the following page.



Wiring diagrams

Wiring diagrams for all heating types are enclosed the drum.

Wiring diagrams for the specific dryer are in plastic bag **C**, fig. 2.

Circuit breaker / effect

The sizes of the circuit beaker and the effect are shown on the following page.

Function check

The function check is described in the back of this manual.

(NB: Correct direction of rotation is important!)

The tumble dryer must be equipped with supplementary protection in accordance with heavy current regulations.

Electric installation - Type TD100

Heating	Voltage	Heat effect	Motor effect kW	Max. effect kW	Circuit breaker
Gas	208 - 240V 3AC 60Hz	219000 BTU/h	1) 1.1 2) 1.5	3.3	20 Amp
	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz (219000 BTU/h = 64 kW)	219000 BTU/h	1) 1.1 2) 1.5	3.3	15 Amp
Steam	208 - 240V 3AC 60Hz	Note 3)	1) 1.1 2) 1.5	3.3	20 Amp
	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz	Note 3)	1) 1.1 2) 1.5	3.3	15 Amp
Electric	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz	48 kW	1) 1.1 2) 1.5	51	80 Amp
	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz	60 kW	1) 1.1 2) 1.5	63	100 Amp

1) = Blower

2) = Drum

Note 3) = Depending upon steam pressure

Note 4) = Machine Voltage is not field configurable. Connect ONLY to nominal line Voltage as marked on data label.

Electric installation - Type TD135

Heating	Voltage	Heat effect	Motor effect kW	Max. effect kW	Circuit breaker
Gas	208 - 240V 3AC 60Hz	280000 BTU/h	1) 1.1 2) 1.5	3.3	20 Amp
	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz (280000 BTU/h = 82 kW)	280000 BTU/h	1) 1.1 2) 1.5	3.3	15 Amp
Steam	208 - 240V 3AC 60Hz	Note 3)	1) 1.1 2) 1.5	3.3	20 Amp
	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz	Note 3)	1) 1.1 2) 1.5	3.3	15 Amp
Electric	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz	60 kW	1) 1.1 2) 1.5	63	100 Amp
	Note 4) 400 / 440 / 460 / 480V 3AC 60Hz	72 kW	1) 1.1 2) 1.5	75	125 Amp

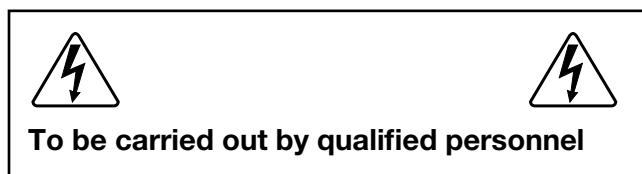
1) = Blower

2) = Drum

Note 3) = Depending upon steam pressure

Note 4) = Machine Voltage is not field configurable. Connect ONLY to nominal line Voltage as marked on data label.

Function check



Check whether the drum is empty and the door has been closed.

Checking the magnet switches

Start the dryer.

Check if the magnet switches are working properly:

- The dryer **must** stop if the loading door is opened.
- The dryer **must** stop when the filter door is opened.

Correct direction of rotation

- 1 Correct direction of rotation on blower wheel:
The blower wheel must rotate clockwise.

If the direction of rotation is not correct, swap two phases on the connection terminal.

Final test

Heat: Let the dryer work for 5 minutes on a program that requires heat.

Then check whether the heating is working by opening the door and feeling the heat.

Only dryers with tilting function: It is important to test the tilt function at the end.

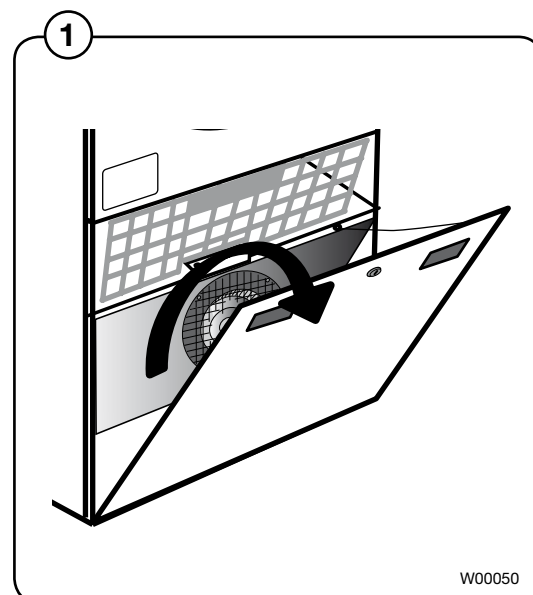
- 2 **Only dryers with Sliding Door:** Sliding Door must be capable of being opened with a force of max 10 kg / 98N (22 lbf).

If the above tests-points are in order, the dryer is ready for use.

Please instruct user in correct operating procedure before leaving.
Please hand all instructions to user.

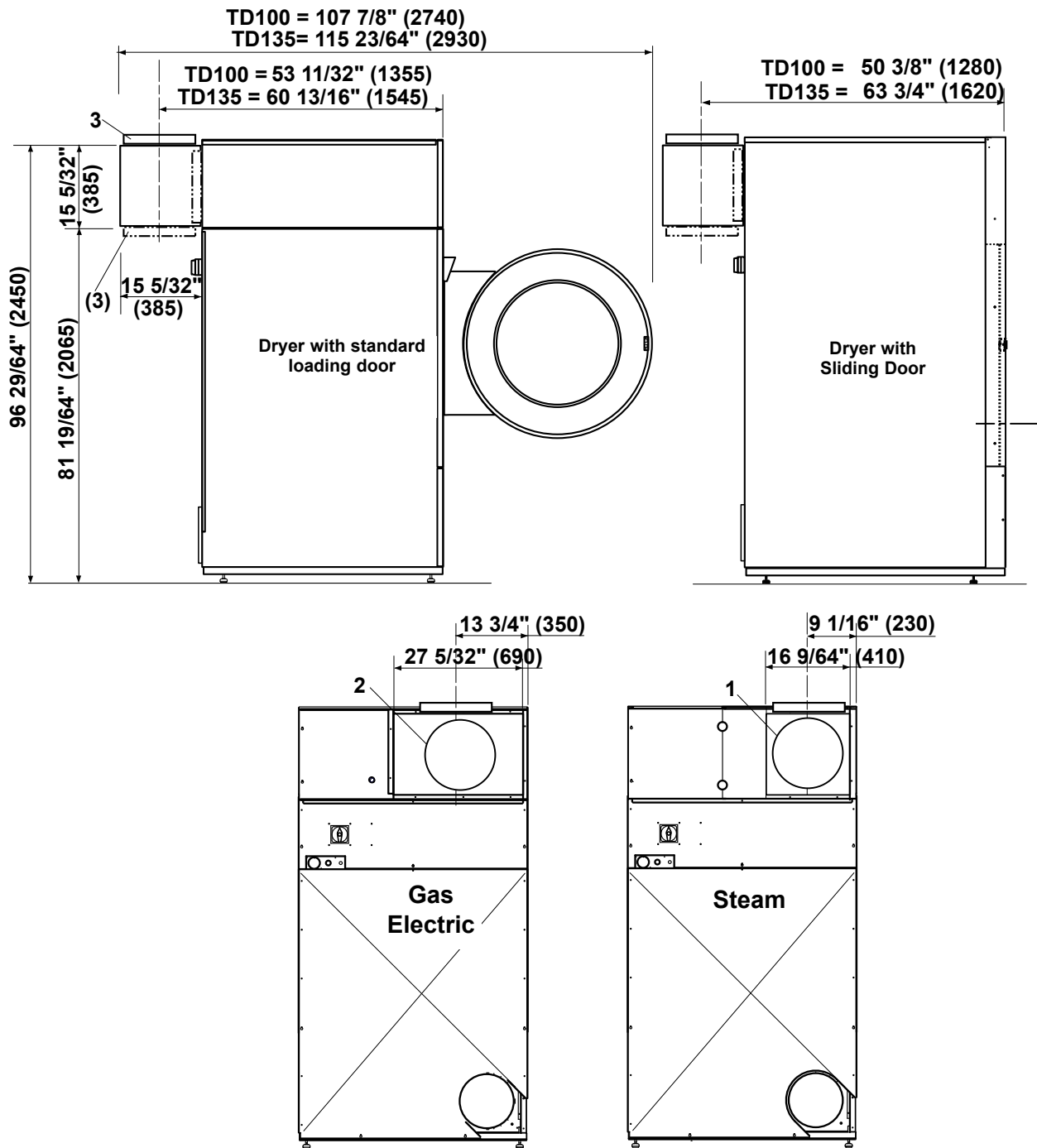
Service organisation / dealer

If deficiencies or errors are detected, please contact your local service organisation / dealer.



Dimension sketch - Adapter for direct fresh-air intake

1	Adaptor kit no. 988 800 0003 - Steam heated dryers
2	Adaptor kit no. 988 800 0004 - Gas and electric heated dryers
3	Connecting branch in top / bottom for fresh-air intake, diameter Ø 315 mm / 12 3/8 inch



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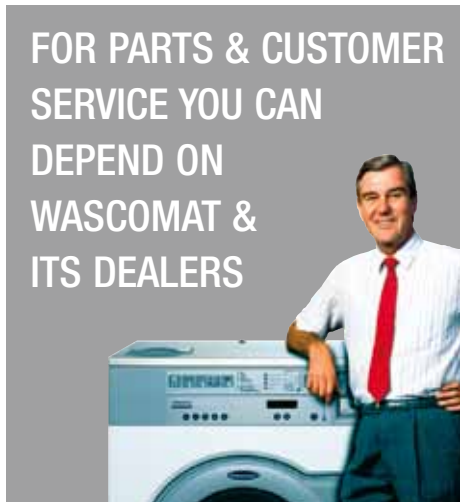
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