INSTALLATION MANUAL

DOC NO. 487 05 44 84 REV. 00
US EN

TD30, TD50, TD75
TD50RMC, TD75RMC

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

FOR PARTS, SERVICE AND TECHNICAL ASSISTANCE CALL YOUR LOCAL WASCOMAT DEALER

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.

461 Doughty Blvd., Inwood, N.Y. 11096-0338 | Sales and Administration – Tel: 516-371-4400 • Fax: 516-371-4204 • e-mail: sales@wascomat.com
Spare Parts – Tel: 516-371-2000 • Fax: 516-371-4029 • e-mail: parts@wascomat.com | Technical Support – Tel: 516-371-0700 • Fax: 516-371-4029
En Mexico: Llame gratis a este numero 001-800-010-1010

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 PLATE(S). IF THIS INFORMATION IS MISSING, CONTACT WASCOMAT CUSTOMER SERVICE.

MACHINE TYPE OR MODEL	
MACHINE SERIAL NUMBER(S)	
ELECTRICAL CHARACTERISTICS: _____VOLTS, _____ PHASE, _____HZ.	

T3290

T3530, T3650

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, personnel 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 safely 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!

6. A wiring diagram for your machine is located behind the front panel as shown on page 2.

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 rubberlike 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.

487 22 26 50.00

487 22 26 50

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.

487 22 26 51.00

487 22 26 51

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.

CAUTION

A clothes dryer produces combustible lint and should be exhausted outdoors.
See installation-instruction book.
THIS DRYER MUST BE EXHAUSTED TO THE OUTDOORS.

INSTRUCTIONS

INSPECT EXHAUST DUCTING EVERY 6 MONTHS AND REMOVE LINT BUILDUP.

487 18 97 42.02

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 43.00

487 18 97 43

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

487 19 69 74.00

487 19 69 74

WARNING

PLUMBERS BEWARE WHEN PRESSURE TESTING!!!
DRYER MUST NOT BE SUBJECTED TO PRESSURE THAT EXCEEDS 1/2 psig (3.5kPa).
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.

487 22 26 52.00

487 22 26 52

WARNING

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

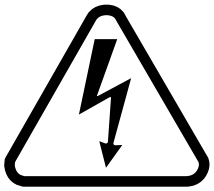
MISE EN GARDE

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

487 18 97 40.00

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 couvercle.
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 kantta avataan.



487 19 69 15.00

487 19 69 15

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

FR RACCORDEMENT VAPEUR
Pression max, autorisée 1000 kPa.

IT ALLACCIAMENTO VAPORE
Pressione max. consentita 1000 kPa.

DE DAMPFANSCHLUSS
Maximal, zulässiger Druck 1000 kPa.

DK DAMPTILSLUTNING
Maks. tilladeligt tryk 1000 kPa.

SE ÅNGANSLUTNING
Max tillåtet tryck 1000 kPa.

FI HÖYRYLIITÄNTÄ
Suurin sallittu paine 1000 kPa.

487 22 26 53.00

487 22 26 53
Steam dryer only

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

Steam and 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

IMPORTANT: ALL electrically heated dryers must be connected to the electric supply service shown on the dryers 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 $^{1}/_{2}$ 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: FIRES 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 Sales 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 1,999 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 Sales Department.

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 valves internal pressure regulator. The pressure measured at the pressure tap on the body of the gas valve **must be** for TYPE 30: 4.2-inches water column, TYPE 50: 3.2 -inches water column and TYPE 75: 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 of the dryer. The pressure measured at the gas valve body pressure tap **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 $1/2$" N.P.T. (the model TYPE 75 has a $3/4$") 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 ignition system.

Consistent gas pressure is essential at **ALL** gas connections. It is recommended that a $3/4$-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)

Tumble dryer

IMPORTANT: Water column pressure of TYPE: 30 4.2 -inches, TYPE: 50 3.2 -inches and TYPE: 75 3.2 -inches for natural gas dryers and 11.0 inches for Propane gas dryers is required at the gas valve pressure tap of each dryer for proper and safe operation.

A 1/8" N.P,T. plugged tap, accessible for test gauge connection, **must be** installed in the main gas supply line immediately upstream of 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.

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.

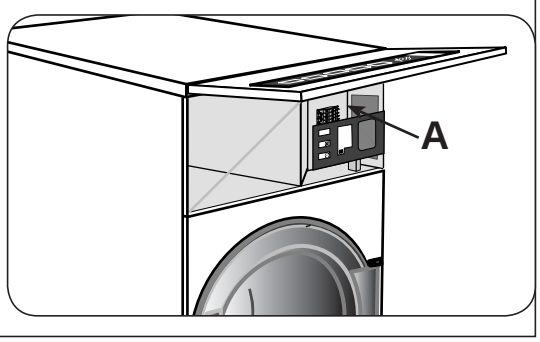
INSTRUCTIONS TO BE FOLLOWED IN THE EVENT THE USER SMELLS GAS MUST BE POSTED IN A PROMINENT LOCATION. THE INSTRUCTIONS TO BE POSTED SHALL BE OBTAINED FROM THE LOCAL GAS SUPPLIER.-

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 **A** for the dryer is located where shown.



Safety instructions

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

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

Remove clothes from the tumble 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 foamlike 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.

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

If the machine has a fault, this must be reported as soon as possible to the person in charge. 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 the laundry manager.

* Applies only to floor mops containing polypropylene.

The dryer must not be installed behind a lockable door or a sliding door. In the rooms where the dryer is to be installed the door hinges must be on the outer side.

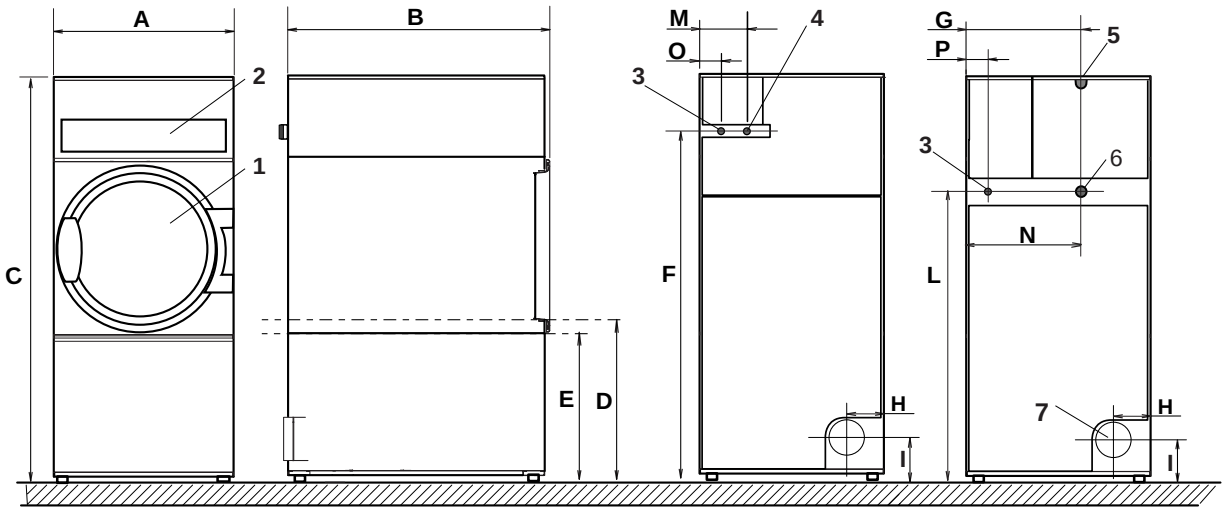
Contents

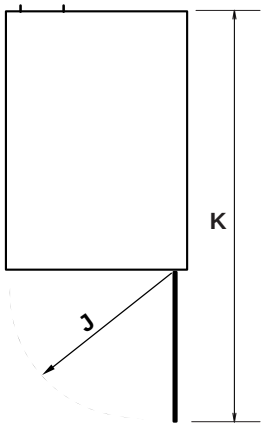
The manufacturer reserves the right to modify design and material specifications without notice.

Dimension sketch

		TD30	TD50, TD75		
1	Door opening	22 3/4”	32”	**7**	Pipe connection, evacuation
2	Operating panel				
3	Electric connection				
4	Gas connection				
5	Steam in				
6	Steam out				

Gas and Electric heating **Steam heating**





Type	A	B	C	D	E	F	G	H
30	28"	44"	74"	30 3/4"	28 1/2"	63 1/3"	18 1/2"	5 1/4"
50	37 3/4"	46 1/2"	78 1/2"	28 1/3"	25 1/2"	68"	23 3/8"	6"
75	37 3/4"	54"	78 1/2"	28 1/3"	25 1/2"	68"	23 3/8"	6"
	I	J	K	L	M	N	O	P
30	6 3/4"	27 3/4"	71 1/4"	54 3/4"	9 7/8"	19 5/8"	2 3/4"	7 1/2"
50	8 3/4"	37 3/8"	83 1/2"	59 3/4"	10 5/8"	23 1/2"	5 5/8"	6 3/4"
75	8 3/4"	37 3/8"	90 1/2"	59 3/4"	10 5/8"	23 1/2"	5 5/8"	6 3/4"

Technical data - Gas heated dryers

Non metric version (USA 60Hz)

	TD30	TD50	TD75
1. Drum volume:	10.1 cu.ft.	18.6 cu.ft.	23 cu.ft.
2. Weight: Net	485 lbs	662 lbs	717 lbs
3. Drum:	26 3/4”	36”	36”
Diameter	31”	32”	39 1/4”
Depth	44 rpm	40 rpm	44 rpm
Revolutions per minute			
4. Capacity:	30 lb	59 lb	77 lb
5. Heat effect:	71600 BTU/h	136400 BTU/h	151200 BTU/h
6. Air consumption:	410 cu.ft./min	680 cu.ft./min	650 cu.ft./min
7. Pipe connection: Evacuation	Ø 8”	Ø 8”	Ø 8”
8. Drop in pressure: Evacuation max.	0.32” W.C.	0.24” W.C.	1.3” W.C.
9. Gas pipe connection:	1/2” NPT	1/2” NPT	3/4” NPT
10. Gas pressure:			
Natural gas: Minimum	3.5” W.C.	3.5” W.C.	3.5” W.C.
Maximum	10” W.C.	10” W.C.	10” W.C.
Propane gas: Minimum	8” W.C.	8” W.C.	8” W.C.
Maximum	13” W.C.	13” W.C.	13” W.C.
11. Noise level:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - Gas heated dryers

Metric version (USA 60Hz)

	TD30	TD50	TD75
1. Drum volume:	286 L	528 L	650 L
2. Weight: Net	220 kg	300 kg	325 kg
3. Drum:			
Diameter	680 mm	913 mm	913 mm
Depth	790 mm	812 mm	998 mm
Revolutions per minute	44 rpm	40 rpm	44 rpm
4. Capacity:	13.5 kg	27 kg	35 kg
5. Heat effect:	21 kW	40 kW	57 kW
6. Air consumption:	690 m^3/h	1160 m^3/h	1100 m^3/h
7. Pipe connection: Evacuation	Ø 200	Ø 200	Ø 200
8. Drop in pressure: Evacuation max.	80 Pa	60 Pa	340 Pa
9. Gas pipe connection:	ISO 7/1-R1/2	ISO 7/1-R1/2	ISO 7/1-R3/4
10. Gas pressure:	See page regarding pressure		
11. Noise level:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - Electric heated dryers

Non metric version (USA 60Hz)

	TD30	TD50	TD75
1. Drum volume:	10.1 cu.ft.	18.6 cu.ft.	23 cu.ft.
2. Weight: Net	485 lbs	662 lbs	750 lbs
3. Drum:			
Diameter	26 3/4”	36”	36”
Depth	31”	32”	39 1/4”
Revolutions per minute	44 rpm	40 rpm	44 rpm
4. Capacity:	30 lb	59 lb	77 lb
5. Heat effect:	46100 BTU/h 61500 BTU/h	81900 BTU/h 102400 BTU/h	102400 BTU/h 122900 BTU/h
6. Air consumption:			
(BTU/h) - cu.ft./min	(46100) - 250	(81900) - 490	(102400) - 650
(BTU/h) - cu.ft./min	(61500) - 410	(102400) - 620	(122900) - 650
7. Pipe connection: Evacuation	Ø 8”	Ø 8”	Ø 8”
8. Drop in pressure: Evacuation max.	0.32” W.C.	0.8” W.C.	1.3” W.C.
9. - -			
10. - -			
11. Noise level:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - Electric heated dryers

Metric version (USA 60Hz)

	TD30	TD50	TD75
1. Drum volume:	286 L	528 L	650 L
2. Weight: Net	220 kg	300 kg	340 kg
3. Drum:			
Diameter	680 mm	913 mm	913 mm
Depth	790 mm	812 mm	998 mm
Revolutions per minute	44 rpm	40 rpm	44 rpm
4. Capacity:	13.5 kg	27 kg	35 kg
5. Heat effect:	13.5 kW 18.0 kW	24.0 kW 30.0 kW	30.0 kW 36.0 kW
6. Air consumption:			
(kW) - m^3/h	(13.5) - 430	(24.0) - 840	(30.0) - 1100
(kW) - m^3/h	(18.0) - 690	(30.0) - 1060	(36.0) - 1100
7. Pipe connection: Evacuation	Ø 200	Ø 200	Ø 200
8. Drop in pressure: Evacuation max.	80 Pa	200 Pa	340 Pa
9. - -			
10. - -			
11. Noise level:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - Steam heated dryers

Non metric version (USA 60Hz)

	TD30	TD50	TD75
1. Drum volume:	10.1 cu.ft.	18.6 cu.ft.	23 cu.ft.
2. Weight: Net	485 lbs	750 lbs	761 lbs
3. Drum:			
Diameter	26 3/4”	36”	36”
Depth	31”	32”	39 1/4”
Revolutions per minute	44 rpm	40 rpm	44 rpm
4. Capacity:	30 lb	59 lb	77 lb
5. Heat effect:	Depending upon steam pressure		
6. Air consumption:	540 cu.ft./min	810 cu.ft./min	650 cu.ft./min
7. Pipe connection: Evacuation	Ø 8”	Ø 8”	Ø 8”
8. Drop in pressure: Evacuation max.	0.32” W.C	0.8” W.C	1.3” W.C
9. Steam pipe connection:			
Steam	1/2” NPT	3/4” NPT	3/4” NPT
Outlet	1/2” NPT	3/4” NPT	3/4” NPT
10. Steam:			
Recommended pressure (absolute)	14.5 - 145 PSI	14.5 - 145 PSI	14.5 - 145 PSI
Max. allowable pressure	145 PSI	145 PSI	145 PSI
11. Noise level:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - Steam heated dryers

Metric version (USA 60Hz)

	TD30	TD50	TD75
1. Drum volume:	286 L	528 L	650 L
2. Weight: Net	220 kg	340 kg	345 kg
3. Drum:			
Diameter	680 mm	913 mm	913 mm
Depth	790 mm	812 mm	998 mm
Revolutions per minute	44 rpm	40 rpm	44 rpm
4. Capacity:	13.5 kg	27 kg	35 kg
5. Heat effect:	Depending upon steam pressure		
6. Air consumption:	925 m^3/h	1380 m^3/h	1100 m^3/h
7. Pipe connection: Evacuation	Ø 200	Ø 200	Ø 200
8. Drop in pressure: Evacuation max.	80 Pa	200 Pa	340 Pa
9. Steam pipe connection:			
Steam	ISO 7/1-Rp1/2	ISO 7/1-Rp3/4	ISO 7/1-Rp3/4
Outlet	ISO 7/1-Rp1/2	ISO 7/1-Rp3/4	ISO 7/1-Rp3/4
10. Steam:			
Recommended pressure (absolute)	100-1000 kPa	100-1000 kPa	100-1000 kPa
Max. allowable pressure	1000 kPa	1000 kPa	1000 kPa
11. Noise level:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)

Technical data - motor specifications

USA	TD30	TD50	TD75
120V / 1 / 60 Hz			
Blower / drum 1-phase			
Effect	0.37kW / 0.5hp	0.7kW / 0.9hp	
Revolutions per minute:	1650 rpm	1700 rpm	
Blower motor 1-phase:			
Effect			0.75kW / 1.0hp
Revolutions per minute:			3340rpm
Drum motor 1-phase:			
Effect			0.7kW / 0.9hp
Revolutions per minute:			1700 rpm
208-240V / 1 / 60 Hz			
Blower / drum / motor 1-phase:			
Effect	0.37kW / 5.0hp	0.7kW / 0.9hp	
Revolutions per minute:	1600 rpm	1700 rpm	
Blower motor 1-phase:			
Effect			0.55kW / 0.7hp
Revolutions per minute:			3340 rpm
Drum motor 1-phase:			
Effect			0.7kW / 0.9hp
Revolutions per minute:			1700 rpm

Technical data - motor specifications

USA	TD30	TD50	TD75
208-240V / 3 / 60 Hz **400-480V / 3 / 60 Hz**			
Blower / drum 3 - phase			
Effect	0.37kW / 0.5hp	0.37kW / 0.5hp	
Revolutions per minute:	1700 rpm	1700 rpm	
With reversing:			
Effect	2 x 0.37kW / 0.5hp		
Revolutions per minute:	2 x 1700 rpm		
Blower motor 3-phase:			
Effect			1.2kW / 1.6hp
Revolutions per minute:			3200 rpm
Drum motor 3-phase:			
Effect			0.37kW / 0.5hp
Revolutions per minute:			1700 rpm

Setup TD30, TD50

Unpacking

When unpacking the dryer, handle it with care. There are no transport clamps.

Positioning

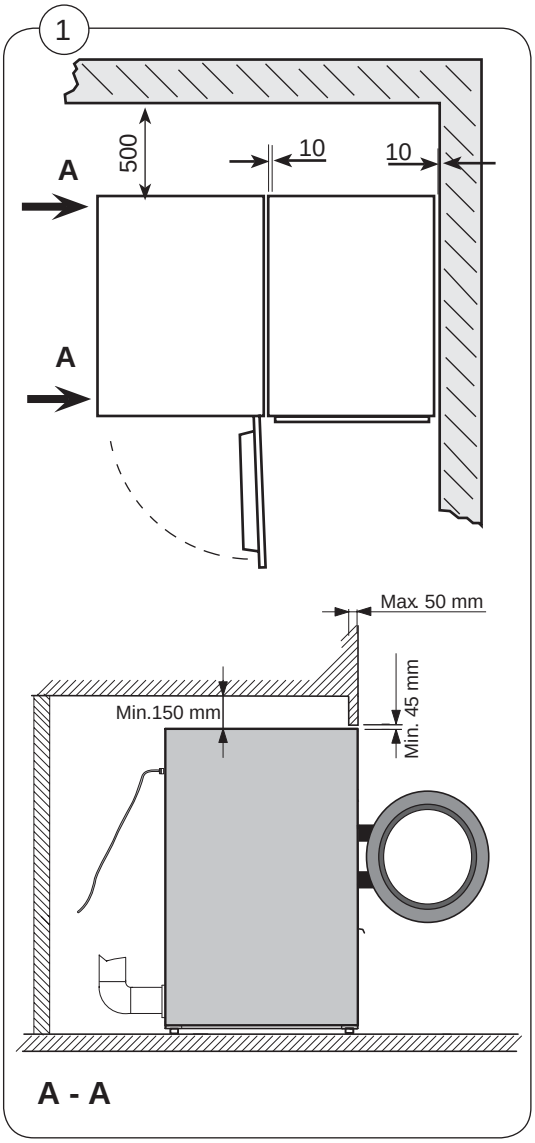
Fig. 1 Position the tumble dryer so there is plenty of room for working, both for the user and for the service technician.

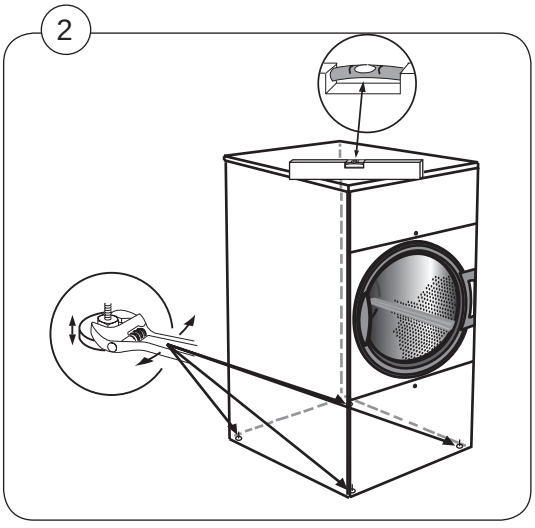
The distance from the wall or other equipment behind the tumble dryer should be at least 500 mm and the space at the sides at least 10 mm. Note that for servicing purposes access to the rear of the tumble dryer is required.

Mechanical installation

Fig. 2 Adjust the machine to make it stand horizontally and stably on all four feet.

The max. height adjustment of the feet is 15 mm.





Setup TD75

Unpacking

When unpacking the machine, handle it with care. There are no transportation brackets to remove.

Fig. 1 From factory the dryer is equipped with 4 supporting feet **A**.

Remove the dryer from the pallet

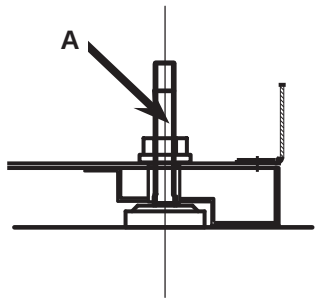
At least two people are required to remove the dryer from the pallet.

The tumble dryer is fastened to the pallet by 3 transportation screws.

1. Open filter door. Remove the 2 transportation screws by the front.
2. Remove the bottom back plate. Remove transportation screw by the back plate. Mount back plate.
3. Place a 1 1/2” steel pipe at the back of the dryer as shown in fig. 2.
4. Stand behind the dryer and tilt it forward. When the dryer rises from the pallet push the pipe under the dryer, fig. 3.
5. Push the dryer from the front so that it hangs off of the back edge of the pallet, fig. 4.
6. Remove the steel pipe by tilting the dryer forward while removing the pipe.
7. Install the 2 back feet (supplied the dryer).
8. Push the dryer backwards on the pallet until it leans on the 2 back feet.
9. Mount the 2 front feet.
10. Remove the pallet.
11. The dryer is now on the floor.

If necessary, adjust the feet after the dryer is in its final position. See next page.

1



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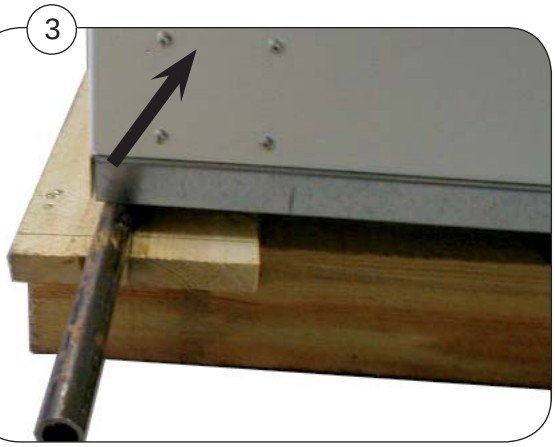

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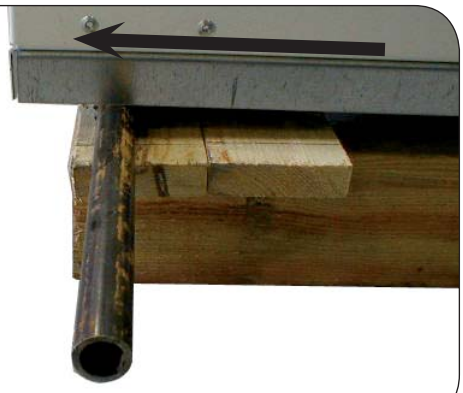


Setup TD75

Positioning

Fig. 1 Position the tumble dryer so that there is plenty of room for working, both for the user and for the service technician.

The distance from the wall or other equipment behind the tumble dryer should be at least 20" (500 mm) and the space at the sides at least 10 mm. Note that for servicing purposes, access to the rear of the tumble dryer is required.

Exhaust duct

Mount the connecting duct **a** on the exhaust duct on the back of the dryer.

The connecting duct is in the drum.

Adjusting the dryer

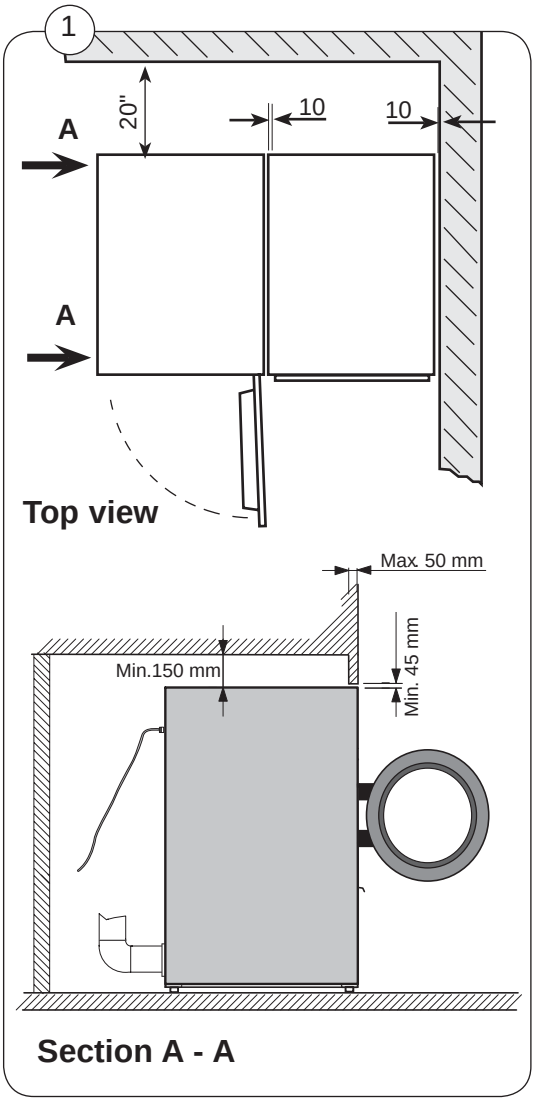
Adjust the machine to make it stand horizontally and stably on all four feet.

The max. height adjustment of the feet is 5/8” (15 mm).

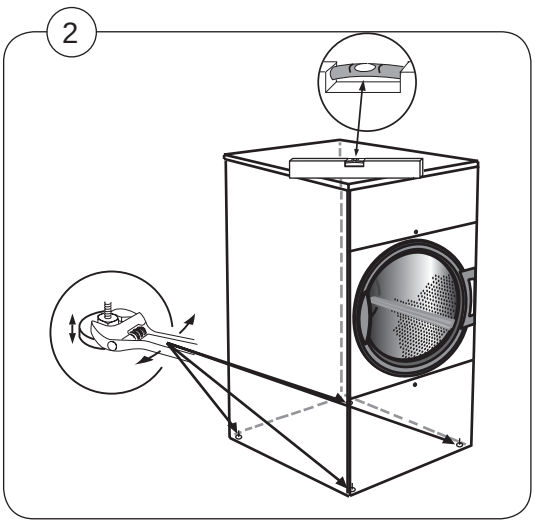
The feet must be locked

Fig. 2 Bearing in mind the stability of the feet, it is important to lock the tumble dryer’s feet with nuts **A**.

After adjusting, remount the panels.



Warning
Gas dryers type TD75 only.
Don't cover the top plate of the tumble dryer.
There are vent holes in the top plate
which must not be obstructed !



Reversing the door

The dryer is usually delivered with a right hinged door but the door can be changed to left hinged position, as illustrated below, or vice versa.

Door reversal instructions

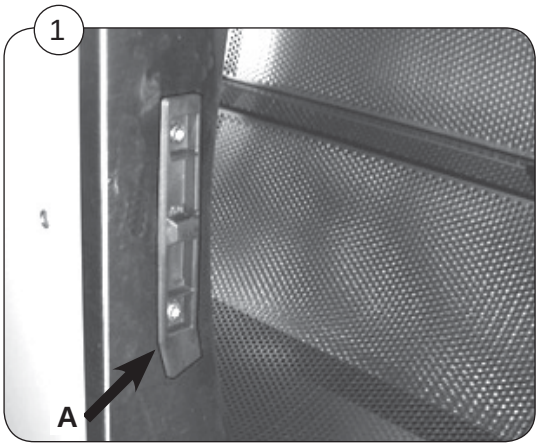
1. Disconnect the power supply to the dryer.
2. Dismount the door.
3. Dismount locking unit **A**, fig. 1.
4. Remove the screws that secure the centre front panel to the dryer and remove the entire panel.
5. Disconnect the door switch wires **B** and move them to the opposite side of the dryer, fig. 2.

   Pull the wires through opening **C** and down through opening **D**. Also remember to move the bushing and mount it in opening **D,** fig. 3 & 4.
6. Dismount the bracket with switch and turn it 180°.

   Note! When turning the bracket the wires are facing downwards. Lead them upwards towards the operating panel and fasten them with cable strips.
7. Mount the bracket with switch on the left side and connect the wires as before.

To be continued on the following page

1



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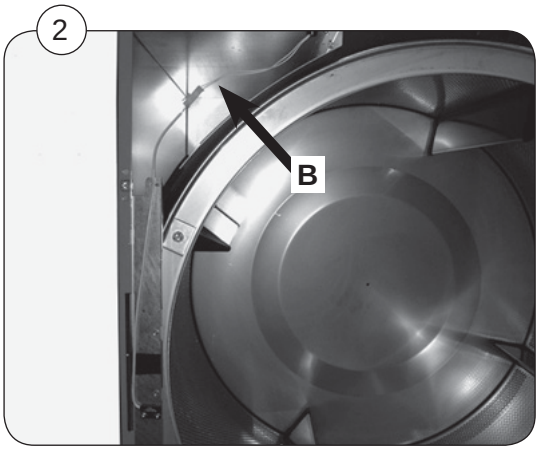

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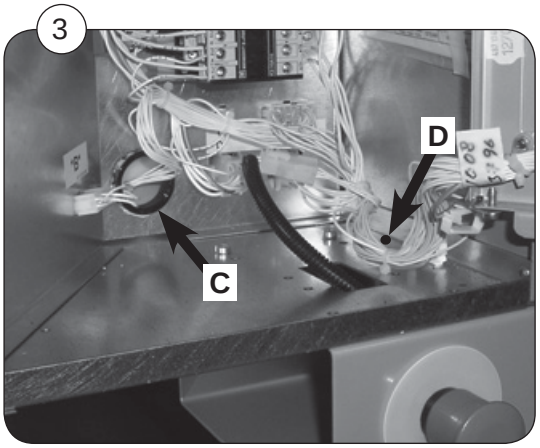

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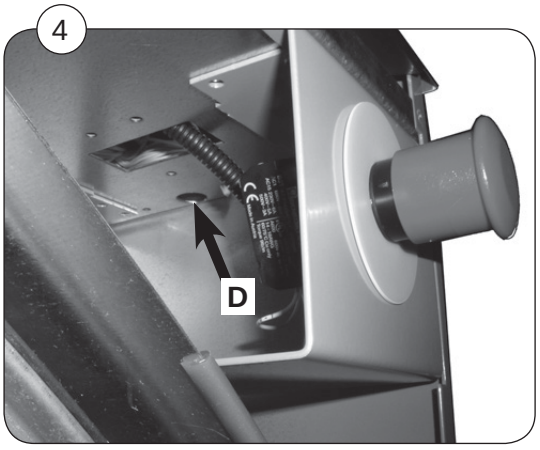


Door

Continued

8. In order to prevent false air to enter, attatch the sealing strip around the drum casing edge on the same side as the door is to be hinged, fig. 5 & 6 - see how it is done by looking at the tape attatched on the opposite side.

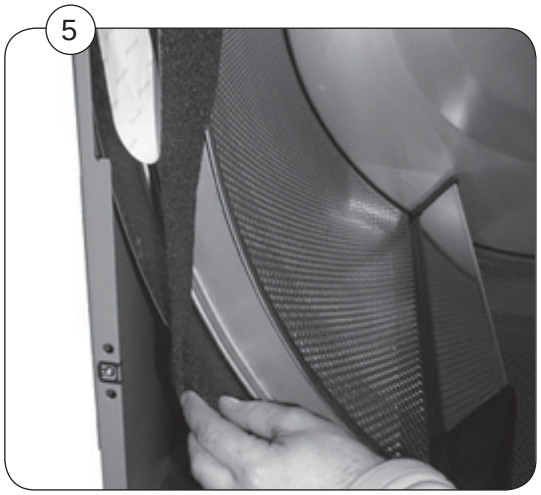
   Note! The sealing strip is enclosed in the drum.

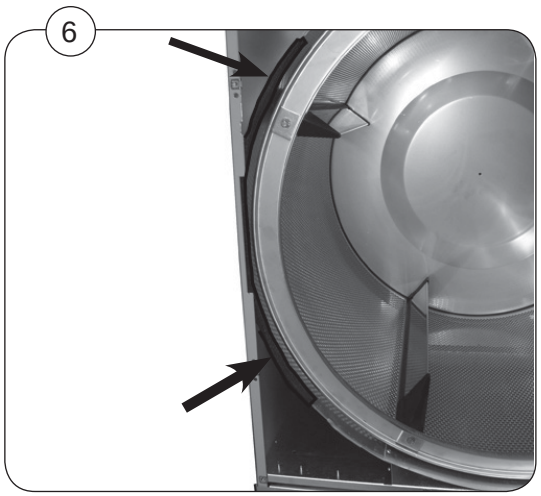
9. Make sure that the 4 guard strips on the casing are intact before mounting the front panel, fig. 7.

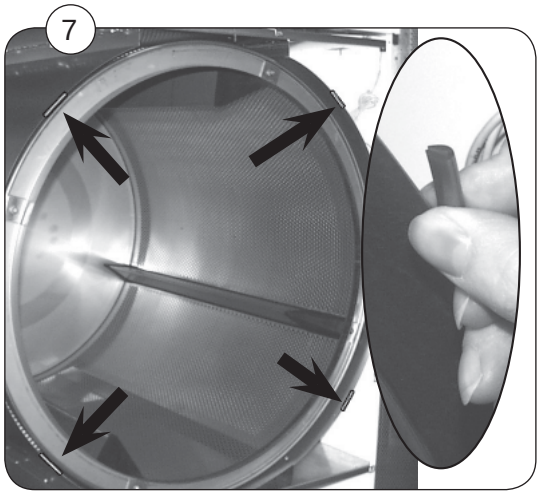
10. **TD50/TD75 only**
    Remove the small cover plate on the centre front panel and mount it in the opposite corner.

11. Turn the front panel upside down and re-mount it.

12. Turn the door upside down and re-mount it.







Test run

Check for proper operation of the door switch, as follows:

1. Re-connect the power supply to the dryer
2. Attempt to start the dryer with the door open. It must not start.
3. Close the door and start the machine. Open the door. The dryer must stop.

If the dryer starts with the door open, or fails to stop when the door is opened during operation, repair or replace the door switch, as necessary.

Installation on board a ship

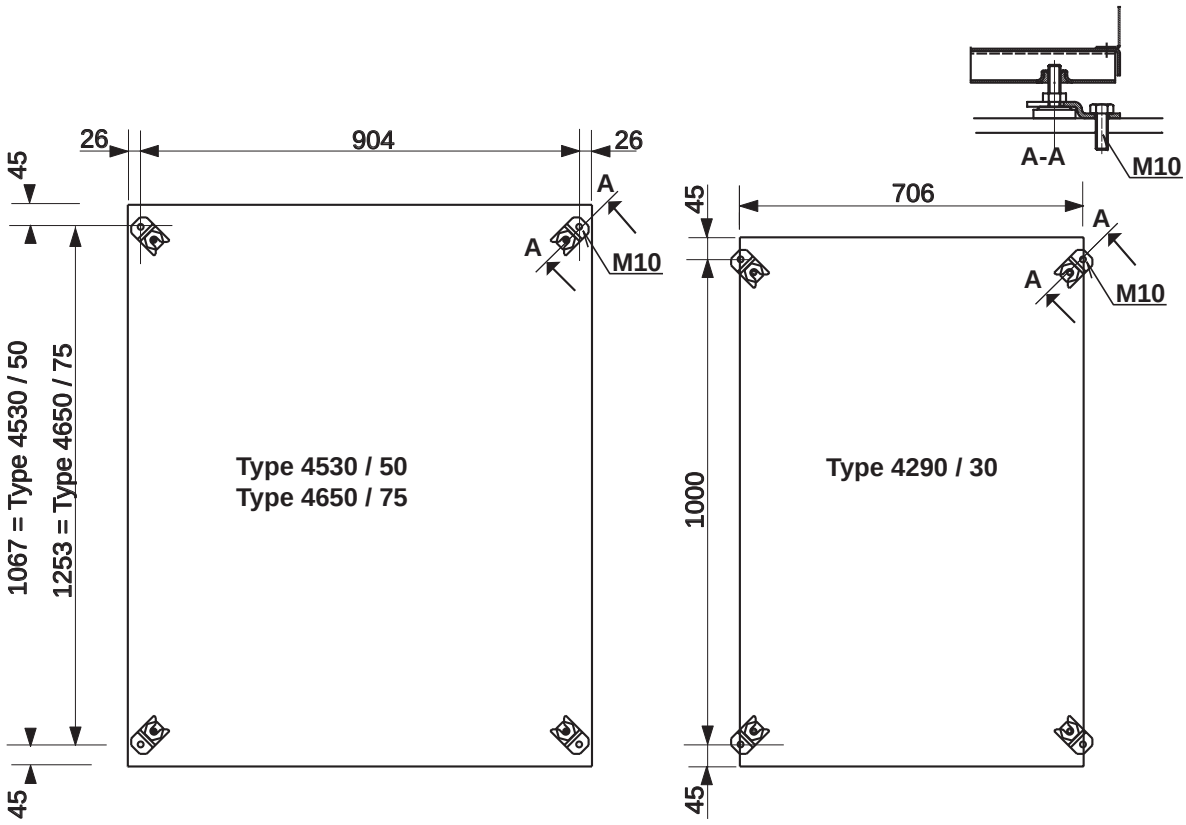
The four accompanying fittings are fastened to the foundation by means of 4 x M10 set screws (supplied with marine models).

Fastening to the base

If the dryer needs fastening to the base a kit containing 4 fittings can be ordered. Kit no. **472 77 77 01.**

The four fittings are fastened to the base by means of 4 x M10 expander bolts.

Drilling plan



Exhaust system

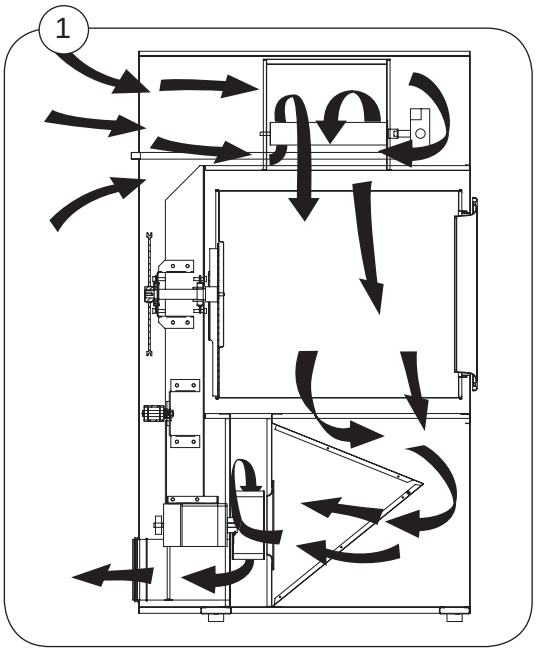
Air principle

Fig. 1 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.

The air then flows out through a lint filter positioned straight 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.



Exhaust system

Fresh-air

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.

Fig. 1 To avoid a draught in the room, it is advisable to place the air inlet behind the dryer.

Fig. 2 The area of the air inlet opening must be 5 times the size of the exhaust pipe area.
The area of the inlet opening is the area through which the air can flow without resistance from the grating/slatted cover.

See table on the following page.

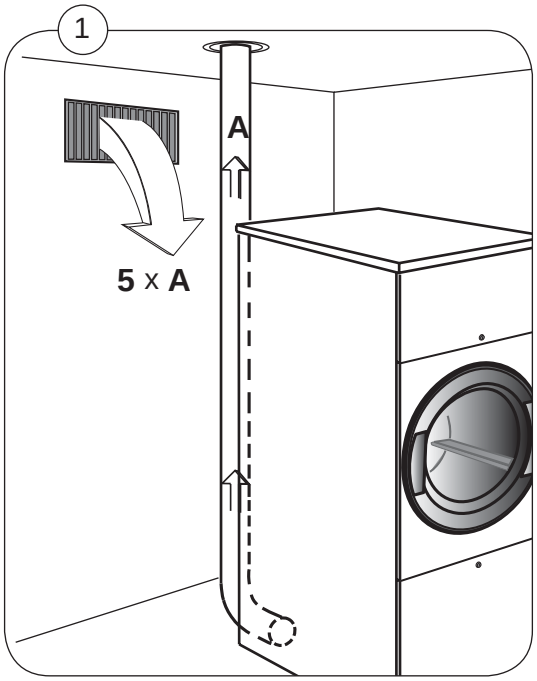
Note! Gratings/slatted covers often block half of the total fresh air vent area. Remember to take this into account

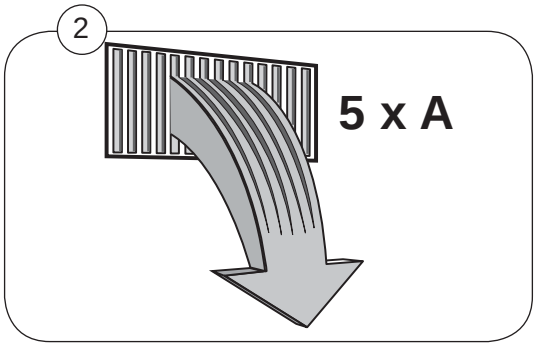
The resistance in the grating/slats on the air inlet cover plate should not exceed 10 Pa (0.1 mbar).

TD30: 250 cu.ft./min - 540 cu.ft./min
(430 m^3/h - 925 m^3/h)

TD50: 490 cu.ft./min - 810 cu.ft./min
(840 m^3/h - 1380 m^3/h)

TD75: 650 cu.ft./min (1100 m^3/h)





Exhaust system

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.
- The exhaust duct must have gentle bends, fig. 1.
- 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:

- The exhaust duct diameter must increase after each dryer, fig. 2.
  The table below shows the exhaust duct diameter and the necessary fresh-air inlet area.

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

	With 1 elbow	With 2 elbow	With 3 elbow
Type 30	**30 ft**	**24 ft**	**18 ft**
Type 50	**30 ft**	**24 ft**	**18 ft**
Type 75	**100 ft**	**94 ft**	**88 ft**

The exhaust duct diameter must not be reduced.

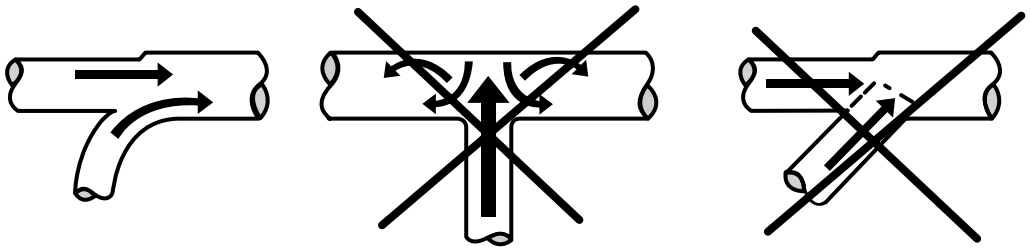
Number of tumble dryers	1	2	3	4	5	6	7	8	9	10
Exhaust duct diameter, inches (mm)	7 3/4" (200)	11" (280)	12 3/8" (315)	14" (355)	15 3/4" (400)	17 3/4" (450)	18 3/4" (475)	19 5/8" (500)	21" (535)	22" (560)
Required area of fresh-air inlet, square feet (minimum) (m^2)	1 5/8 (0.15)	3 1/4 (0.35)	4 7/8 (0.45)	6 1/2 (0.60)	8 1/16 (0.75)	9 5/8 (0.90)	11 5/16 (1.05)	13 (1.20)	14 1/2 (1.35)	16 1/8 (1.50)

Each machine requires a 15 3/4" x 15 3/4" fresh-air inlet opening. (400 x 400 mm)

Exhaust system

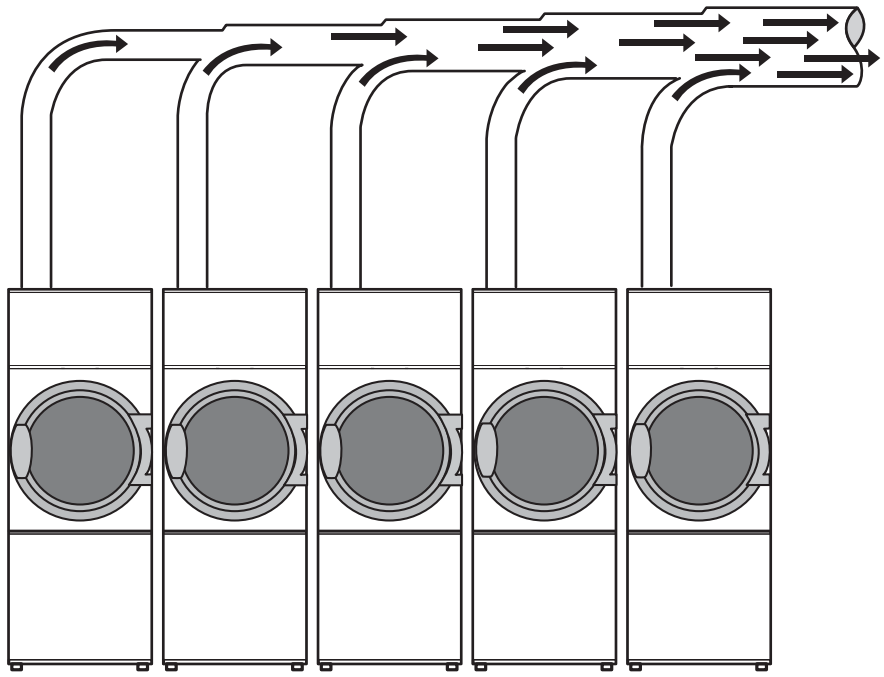
Gentle bends

1



Several dryers on a shared exhaust duct

2

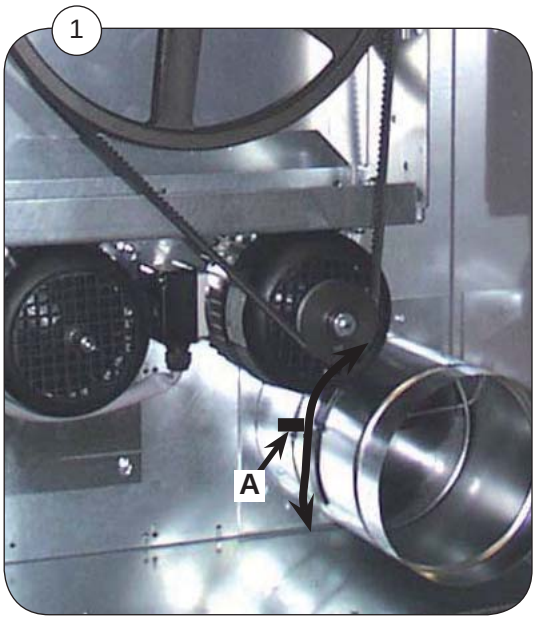


Exhaust system

Nonreturn flap

In order to achieve the best result it is important that the dryer has the right volume of air to work with.

From factory the nonreturn flap is set to be wide open.



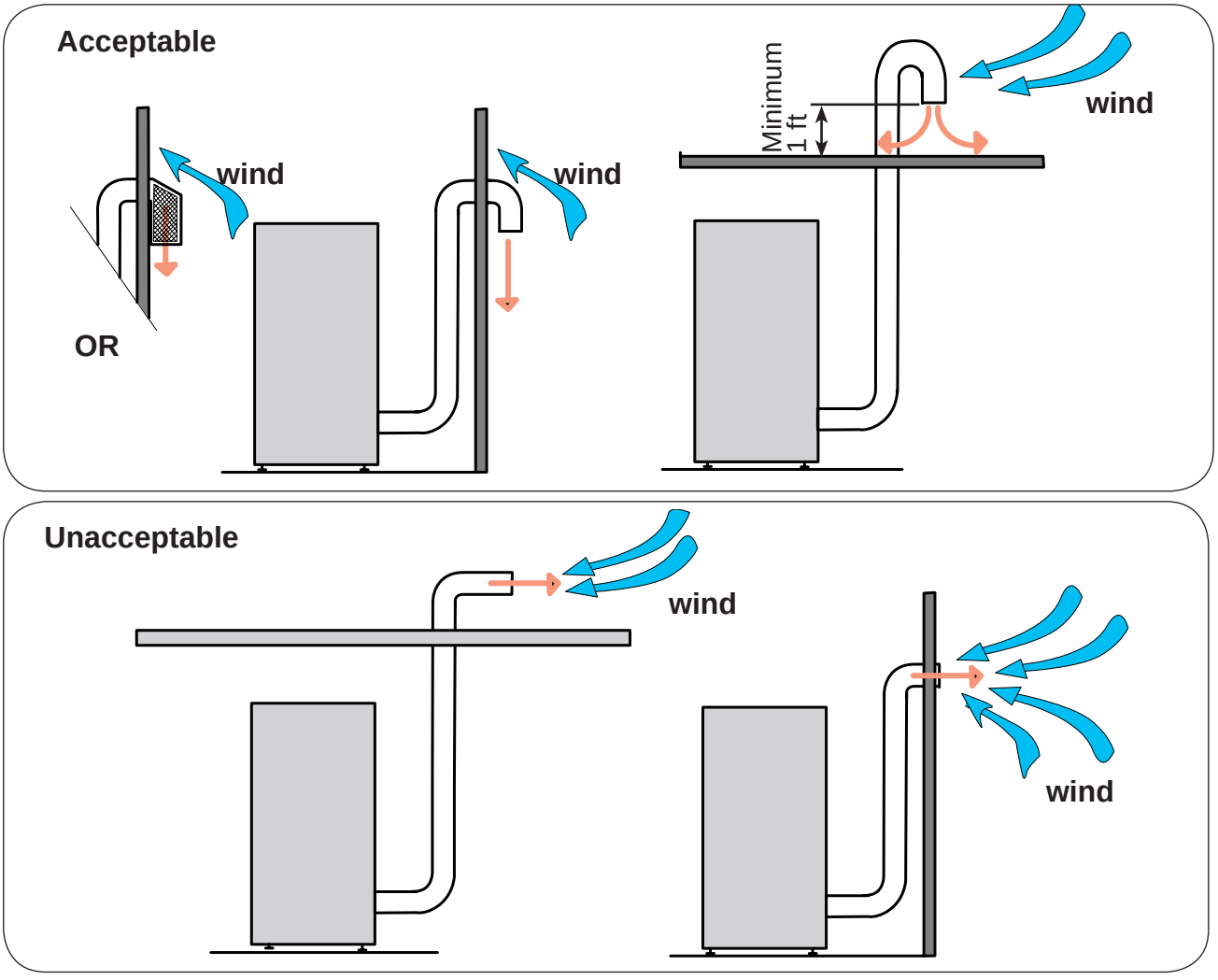
Adjusting the dryer

1. Dismount the back plate.
2. Adjust the amount of air by opening/closing the damper **A**, fig. 1.

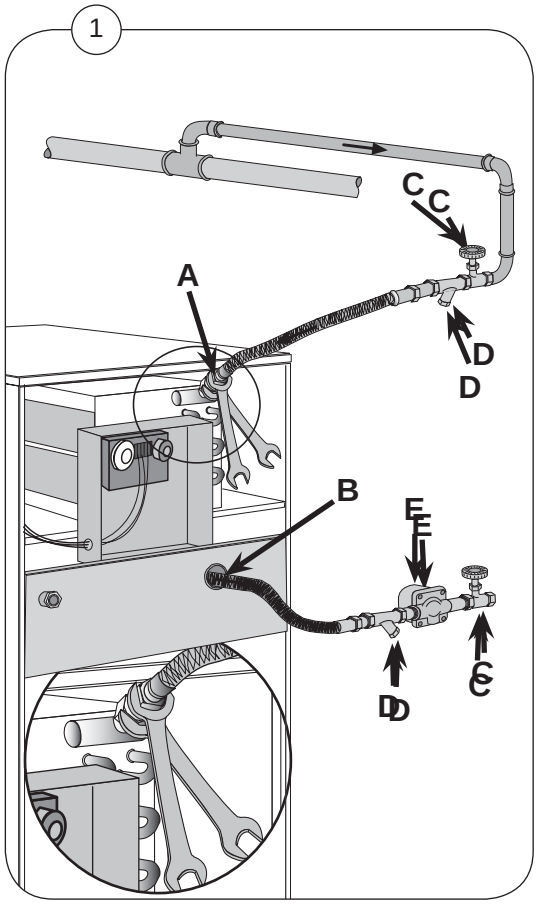
Service organization/dealer

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

Exhaust illustrations



Steam installation



Before start

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

Steam

Water steam (operating steam pressure) absolute pressure 43.5 - 145 PSI (3 - 10 bar) / 266 - 356°F (130 - 180°C).

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 (A).
3. Mount a plug valve (C) and a dirt collector (D) in the branch pipe.

Condensation return

1. It is important that the branch pipe for condensed water on return to the main condensation pipe has a descending gradient and is lower than the outlet connecting branch (B).
2. Mount a dirt collector (D) in the return pipe.
3. Mount a mechanical water discharger behind the dirt collector (E).
4. Then mount a plug valve (C).
5. Mount pressure hoses between branch pipes and dryer.

Leak test

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

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.

Gas installation general

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.

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 correspond with the values in the gas tables on the following pages. If not, contact the 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).

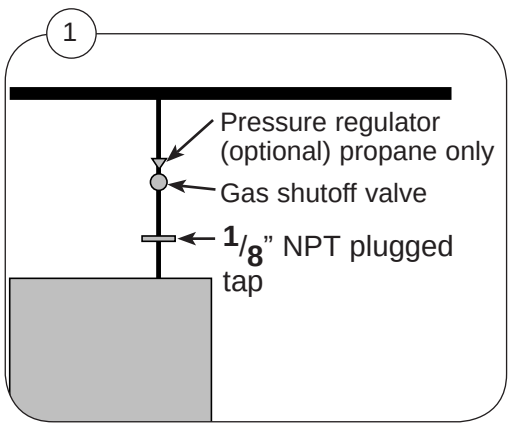


Fig.1 A minimum $^{1}/_{8}$ inch NPT plugged tap, accessible for test gage connection, must be installed immediately upstream from the gas supply connections to the dryer.

Gas installation general

Test run

1. Loosen the measuring branch screw (2) 1/4 of a turn and connect a manometer.
2. Select a programme that uses heat.
3. Start the dryer.
4. Check the nozzle pressure, see table on the following pages.
5. If the gas pressure needs adjusting, adjust the setting screw (4) under the cover screw (3) (higher pressure: clockwise, lower pressure: anticlockwise)

   TD75 only
   Then move the manometer to branch (2) on the lower valve and adjust the pressure as described above.

   Move the manometer to branch (2) on the upper valve in order to check the pressure - adjust if necessary.
6. Check that the gas is burning evenly and with a bluish flame.

The numbers in brackets refer to the page regarding the gas valve.

Function check

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

Gas installation general

Conversion to propane gas / natural gas

If the machine is to be converted to another type of gas, the gas nozzle must be replaced.

Contact your dealer, or Wascomat, for the part number of the conversion kit appropriate for your altitude.

Please contact your dealer or Wascomat if the current gas type is not propane / natural gas.

1. Remove nozzle.

2. Mount the accompanying nozzle (1).
TD75 only: Air reducing plate (7) must be mounted when converting to propane gas and dismounted when converting to natural gas

3. Loosen the measuring branch screw (2) 1/4 turn; connect a manometer to the measuring branch (2).

4. Connect the power and select a heat programme.

5. Start the dryer.

6. Set the nozzle pressure on setting screw (4) under nipple (3).

7 Check that the gas flame burns evenly and has a bluish colour.

8. Mount the cover screw (3).

The numbers in brackets refer to the page regarding the gas valve.

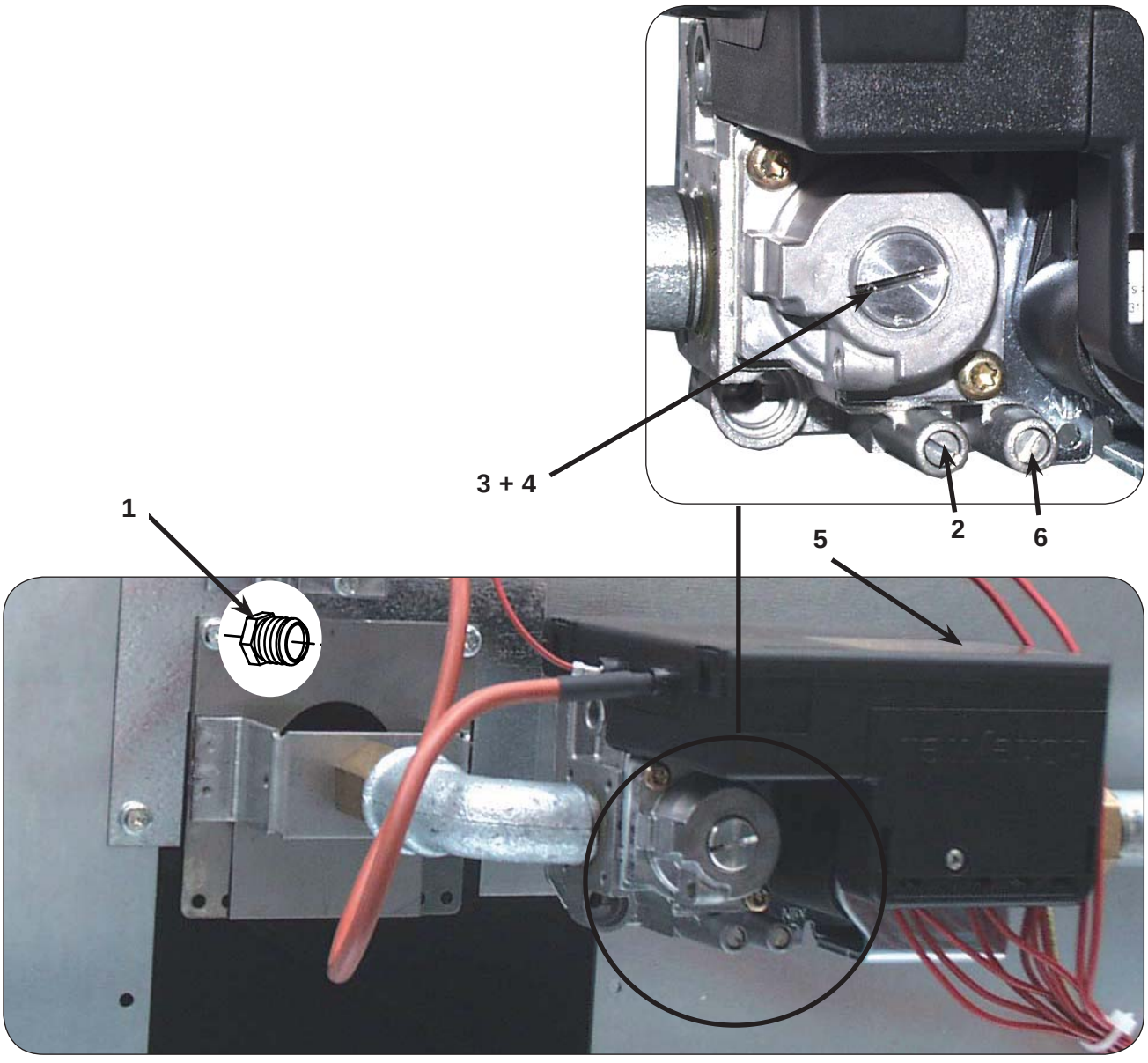
Affixing the sign

After the conversion, the enclosed sign with the new gas type printed on it must be affixed to the dryer data label to cover previous gas data.

Gas installation TD30, TD50

Gas valve

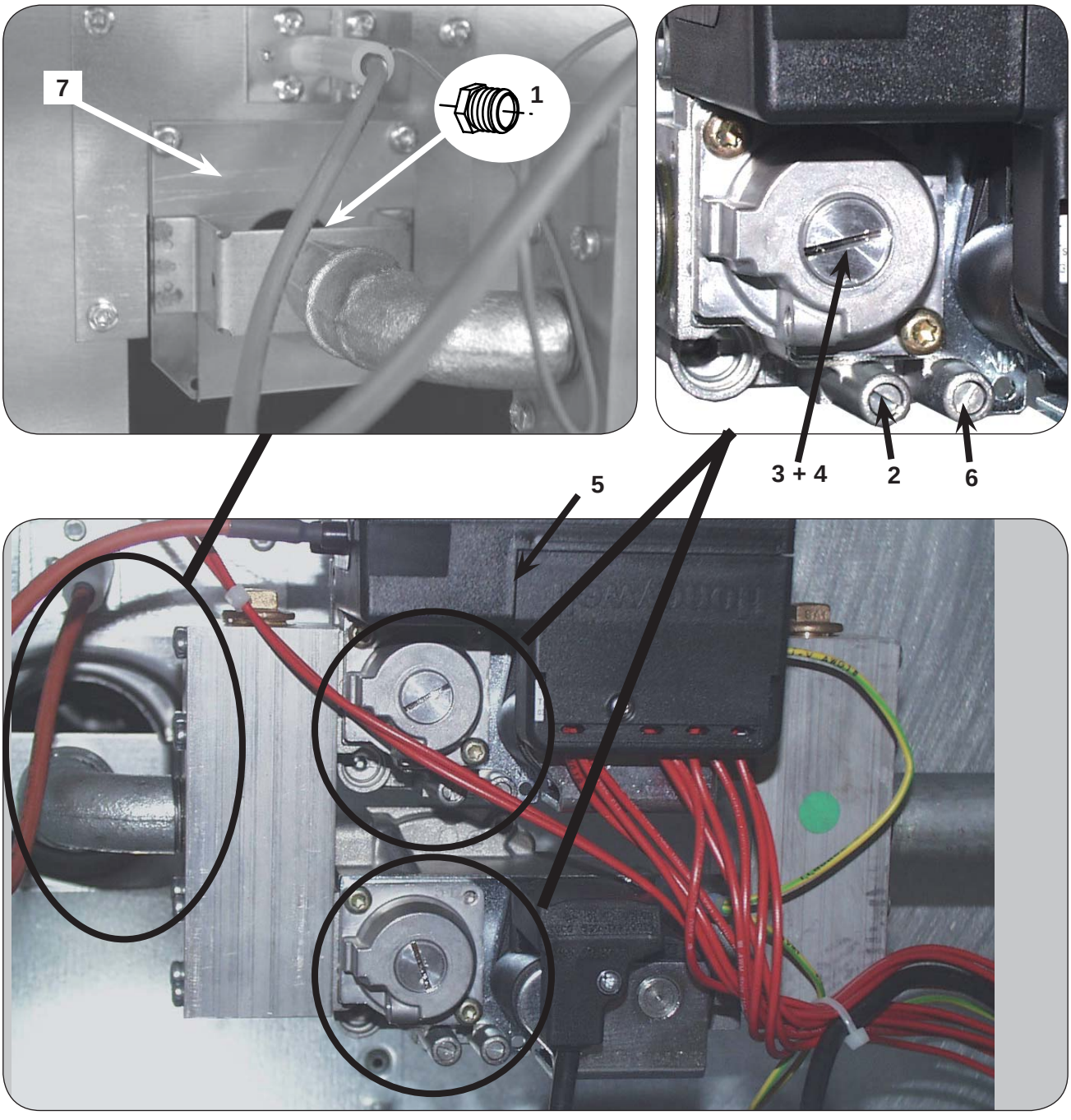
1. Nozzle
2. Measuring branch, nozzle pressure
3. Cover screw
4. Adjusting screw
5. Control box, gas valve
6. Measuring branch, supply pressure



Gas installation TD75

Gas valve

1. Nozzle
2. Measuring branch, nozzle pressure
3. Cover screw
4. Adjusting screw
5. Control box, gas valve
6. Measuring branch, supply pressure



Gas installation

Tables of pressure and adjustments

Dryer type	Heating power Btu/h	Gas type	Upper calorific value MJ/m3	Gas pressure Inlet 2 inch W.C.	Gas pressure Nozzle pressure (Outlet pressure tap) 5 inch W.C.	Ø Nozzle 1 **mm
30	71600	Propane	93.7	11.0	11.0	2.4
		Natural gas	37.78	7.0	4.2	3.8
50	136400	Propane	93.7	11.0	11.0	3.4
		Natural gas	37.78	7.0	3.2	5.6
75	151200	Propane	93.7	11.0	11.0	3.5
		Natural gas	37.78	7.0	3.2	5.8

****** Nozzle dimension at altitude up to 1999 ft.

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 haard.

Important

The sizes of the fuse group and the effect are shown on the following page.

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

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

Connecting the cable

1. Demount cover plate **A**, fig. 1.
2. Pass the feeder cable through cable gland****,** fig. 1.
3. Connect the feeder cable as illustrated.
4. Remount cover plate **A**.
5. Function check the dryer.
The function check is described in the back of this manual.

Electric installation

Gas and steam heated dryer

On gas and electric heated dryers the cable gland is not mounted. The cable gland is in the drum and has to be mounted on the beam.

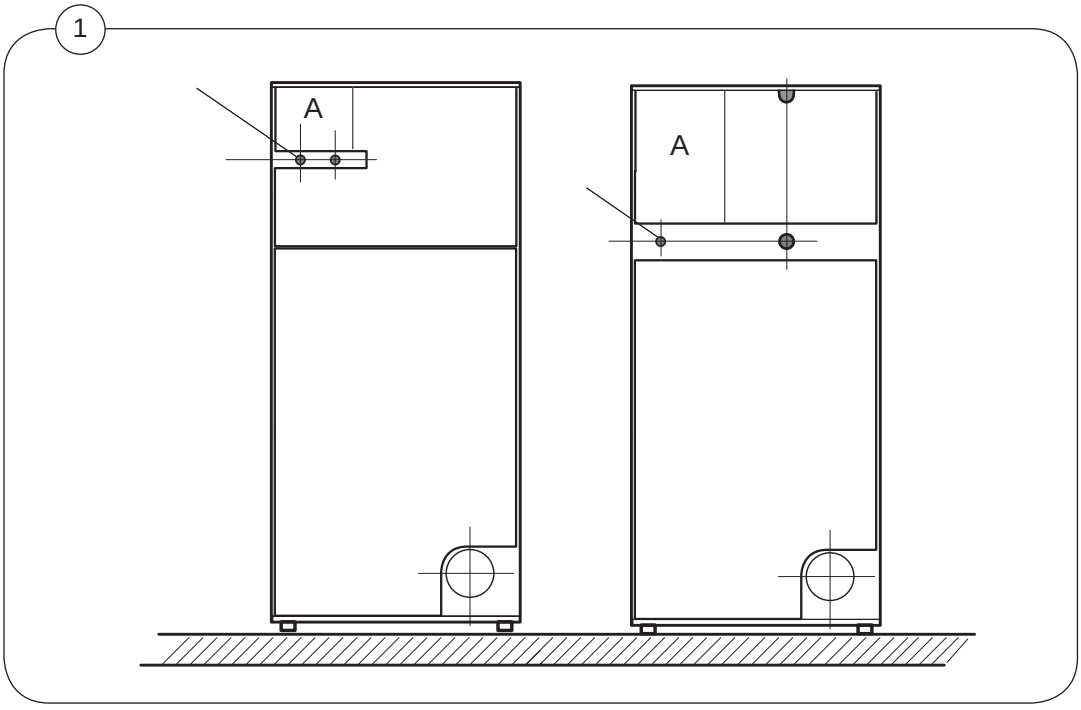
Electric heated dryer type 50 and 75 only

On electric heated dryers the cable gland is not mounted.
The cable gland is in the drum and has to be mounted on the beam.

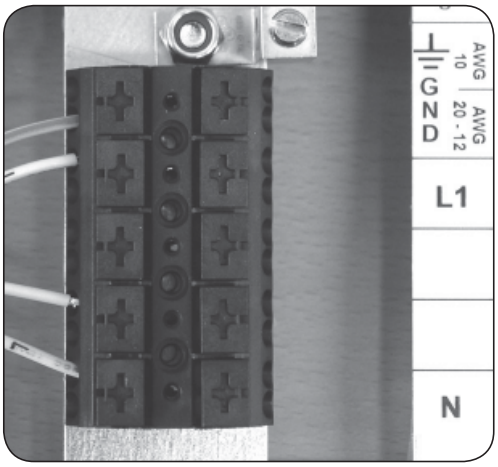
Connecting the cable

Fig 1 ** Positioning of cable gland for feeder cable.

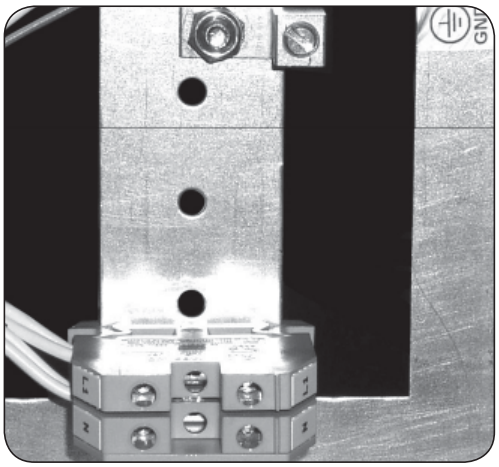
1. Demount cover plate **A**, fig. 1.
2. Pass the feeder cable through cable gland****,** fig. 1.
3. Connect the feeder cable as illustrated.
4. Remount cover plate **A**.
5. Function check the dryer.
   The function check is described in the back of this manual.



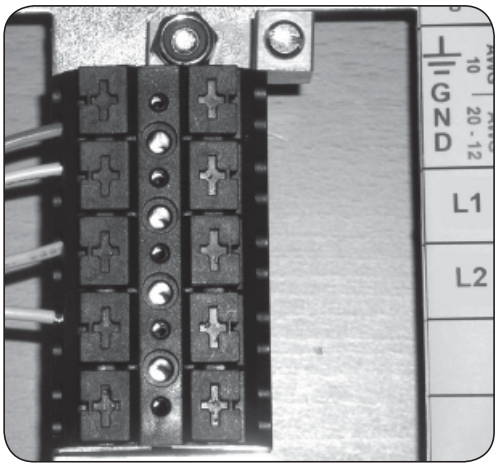
Electric installation - electric, gas, steam heating



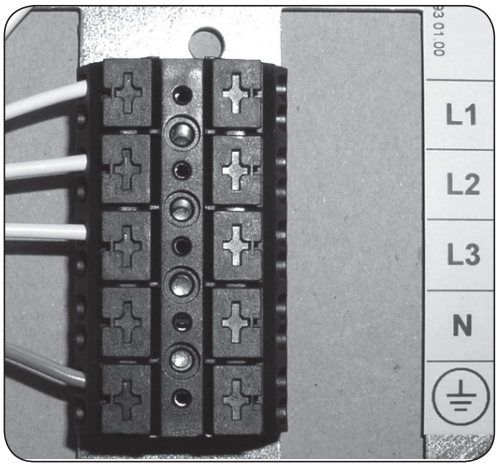
TD30/50 Gas and steam heating
120V 1-phase



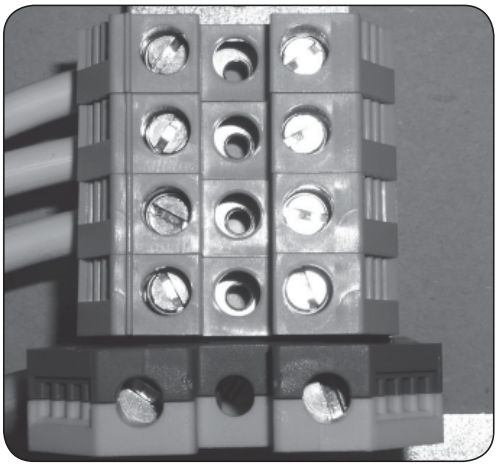
TD75 Gas and steam heating
120V 1-phase



Gas and steam heating
208-240V 1-phase



Gas and steam heating
208-240V 3-phase
400-480V 3 phase



Electric heating
208-240V 3-phase
400-480V 3 phase

Electric installation - options

External connection - 100 mA

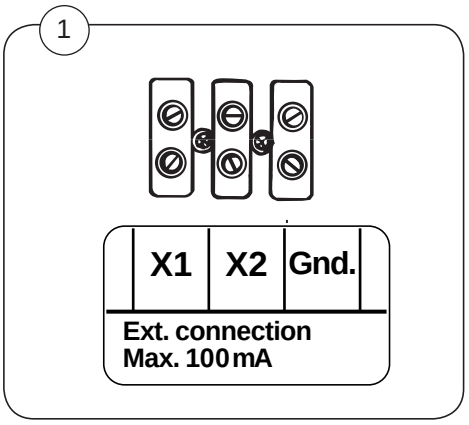
A special connection terminal is located on the connection console fig. 1.

This connection can be used as external control of a fan.

The terminal for external control is equipped with 110V/ max.100mA and is intended solely for the operation of a contactor

Max. connection 100mA.

Gnd. must not be used for earthing of external board.



External connection - 1.25 A

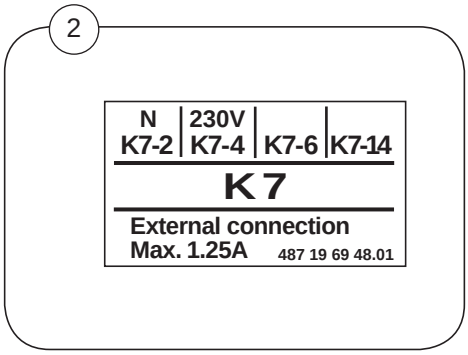
A special connection for an external fan can be chosen on the connection console.

This connection is only available on 400V-3N machines.

Mount cable for external connection on contactor K7 in K7-2 and K7-4, fig.2.

Connect earth conductor to earth terminal for external connection, fig. 1.

Max. connection 1.25A.



Electric installation - Type 30

Fuse sizes, effects and voltages

Heating	Voltage			Heat effect kW	Motor effect kW	Max. effect kW	Circuit breaker
Gas	120V	1AC 60Hz		21 kW	0.7 kW	0.7 kW	15A
	208-240V	1AC 60Hz		21 kW	0.7 kW	0.7 kW	15A
	208-240V	3AC 60Hz		21 kW	1.5 kW	1.5 kW	10A
	400-480V	3AC 60Hz	w/reversing	21 kW	1.5 kW	1.5 kW	10A
	400-480V	3AC 60Hz	wo/reversing	21 kW	1.0 kW	1.0 kW	10A
Steam	120V	1AC 60Hz		-	0.7 kW	0.7 kW	15A
	208-240V	1AC 60Hz		-	0.7 kW	0.7 kW	15A
	208-240V	3AC 60Hz		-	1.5 kW	1.5 kW	10A
	400-480V	3AC 60Hz	w/reversing	-	1.5 kW	1.5 kW	10A
	400-480V	3AC 60Hz	wo/reversing	-	1.0 kW	1.0 kW	10A
Electric	208-240V	3AC 60Hz		13.5 kW	1.0 kW	14.5 kW	50A
	400-480V	3AC 60HZ		13.5 kW	1.5 kW	15.0 kW	25A
	208-240V	3AC 60Hz		18 kW	1.0 kW	19.0 kW	50A
	400-480V	3AC 60Hz		18 kW	1.5 kW	19.5 kW	35A

Electric installation - Type 50

Fuse sizes, effects and voltages

Heating	Voltage		Heat effect kW	Motor effect kW	Max. effect kW	Circuit breaker
Gas	120V	1AC 60Hz	40 kW	1.0 kW	1.0 kW	15A
	208-240V	1AC 60Hz	40 kW	1.0 KW	1.0 kW	15A
	208-240V	3AC 60 Hz	40 kW	1.5 kW	1.5 kW	10A
	400-480V	3AC 60Hz	40 kW	1.5 kW	1.5 kW	10A
Steam	120V	1AC 60Hz	-	1.0 kW	1.0 kW	15A
	208-240V	1AC 60Hz	-	1.0 kW	1.0 kW	15A
	208-240V	3AC 60Hz	-	1.5 kW	1.5 kW	10A
	400-480V	3AC 60Hz	-	1.5 kW	1.5 kW	10A
Electric	208-240V	3AC 60Hz	24 kW	1.5 kW	25.5 kW	80A
	400-480V	3AC 60Hz	24 kW	1.5 kW	25.5 kW	50A
	208-240V	3AC 60Hz	30 kW	1.5 kW	31.5 kW	100A
	400-480V	3AC 60Hz	30 kW	1.5 kW	31.5 kW	50A

Electric installation - Type 75

Fuse sizes, effects and voltages

Heating	Voltage		Heat effect kW	Motor effect kW	Max. effect kW	Circuit breaker
Gas	120V	1AC 60Hz	57 kW	2 KW	2 kW	20A
	208-240V	1AC 60Hz	57 kW	2 KW	2 kW	15A
	208-240V	3AC 60Hz	57 kW	2 kW	2 kW	15A
	400-480V	3AC 60Hz	57 kW	2 kW	2 kW	10A
Steam	120V	1AC 60Hz	-	2 KW	2 kW	20A
	208-240V	1AC 60Hz	-	2 kW	2 kW	15A
	208-240V	3AC 60Hz	-	2 kW	2 kW	15A
	400-480V	3AC 60Hz	-	2 kW	2 kW	10A
Electric	208-240V	3AC 60Hz	30 kW	2 kW	32 kW	100A
	400-480V	3AC 60Hz	30 kW	2 kW	32 kW	50A
	400-480V	3AC 60Hz	36 kW	2 kW	38 kW	63A

To be carried out by qualified personnel

Function check

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

Start the dryer

Check if the micro switches are working properly:

The dryer must stop if the door is opened.

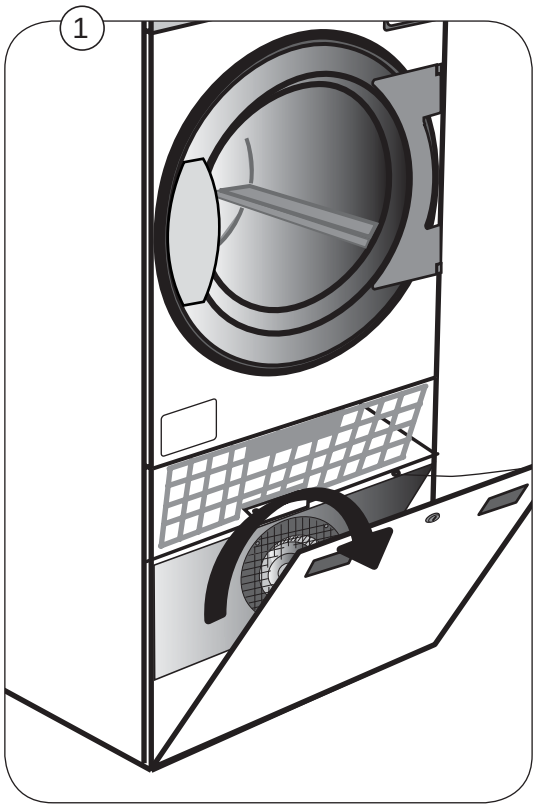
The dryer must stop if the filter door is opened.

Correct direction of rotation

Fig. 1 Correct direction of rotation on fan wheel: **clockwise.**

For dryers with a 3-phase motor the direction of rotation must be checked.

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

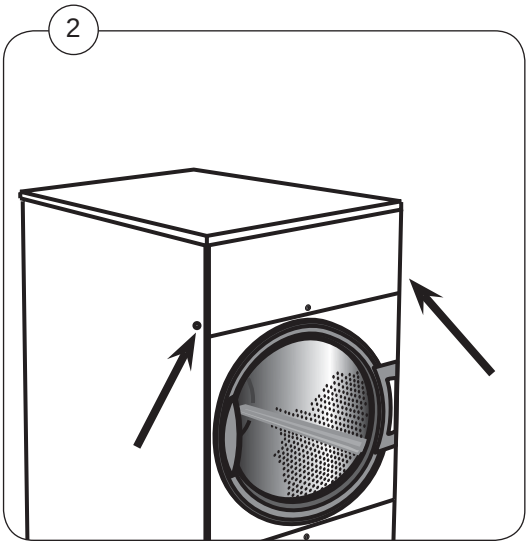


Final test

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

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

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



Safety screws

Fig. 2 Remember to fit the screws on the sides of the front panel.

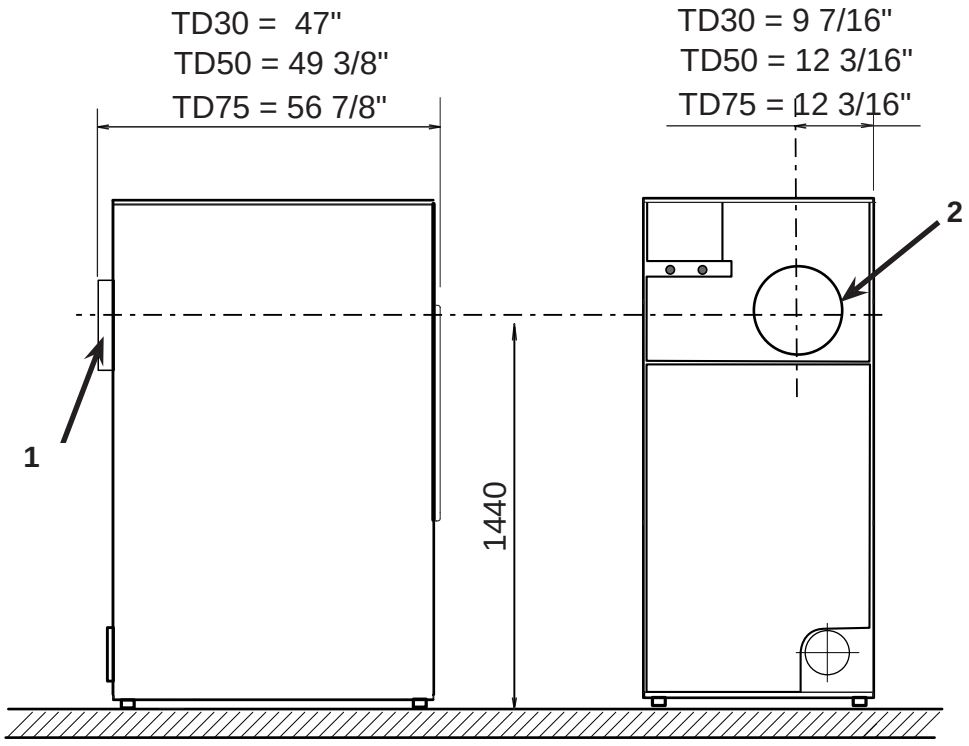
Service organisation/dealer

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

Dimension sketch - Adapter for direct fresh-air intake

Gas- and electric heated dryers

1	**Adapter:**	TD30	no. 988 80 20 41
		TD50, TD75	no. 988 80 20 42
2	**Diameter:**	TD30	Ø12.4” (Ø 315)
		TD50, TD75	Ø15.75” (Ø 400)



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