

# Tumble dryer

## T4900, T41200

### Features and benefits

- High productivity - 2 full loads per hour
- Selection of temperature and time for easy operation
- Large door opening for easy loading and unloading
- Large selfcleaning lint screen for easy maintenance
- Easy access to vital parts from front and rear for simple servicing
- Selecta microprocessor control
- Reversing drum
- Emergency stop
- Supply disconnecter
- Gas reset from front (gas version)

### Main options

- Stainless steel front
- Stainless steel drum
- Frequency controlled motor
- Fresh air intake
- Indicator lamp for finished drying cycle
- RMC (Residual Moisture Control)
- Sliding door (separate data sheet)
- Tilting forward (separate data sheet)
- CMIS



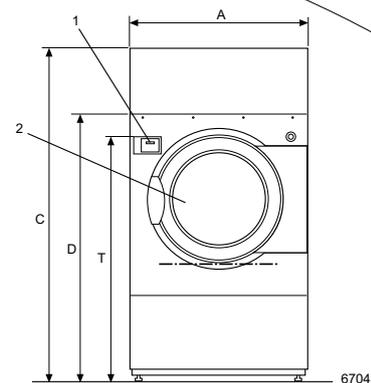
Images shown are a representation of the product only and variations may occur.

Main specifications			T4900				T41200			
Rated capacity,	filling factor 1:20	kg/lb	45/100				60/132			
	filling factor 1:25	kg/lb	36/80				48/105			
Drum volume		litre	900				1200			
Drum diameter		mm	1240				1240			
Heating alternatives										
	gas	BTU/h (kW)	218 430 (64)				279 865 (82)			
	steam at 700 kPa	kW	82				82			
	el	kW	48/60				60/72			
<b>Consumption data*</b>			Gas	Steam	EI 48 kW	EI 60 kW	Gas	Steam	EI 60 kW**	EI 72 kW**
Total time at 45/60 kg		min	26	31	35	28	27	34	35	26
Energy consumption at 45/60 kg		kWh	26.2	43.5	27.4	28	35.6	49	34.8	30.8
Evaporation		g/min	865	735	651	803	1070	876	854	923
Energy kWh/litre water evaporated		kWh/l	1.16	1.91	1.2	1.2	1.23	1.64	1.17	1.28

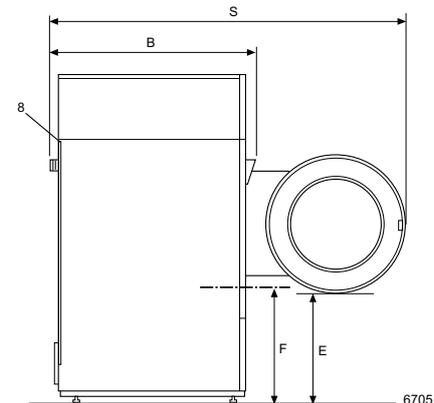
\* At rated capacity 100% cotton load at 50% initial moisture dried to 0%.  
 \*\* Test load 48 kg/100 lbs.

Electrical connections*			T4900	T41200
Heating Voltage				
EI	400V 3PH + N+E*	kW(A)	51 (80)	63 (100)
	400V 3PH + N+E*	kW(A)	63 (100)	75 (125)
Gas	400V 3PH + N+E*	kW(A)	3.3 (16)	3.3 (16)
*with a 5% tolerance range				
Steam, gas and air connections				
Steam		in	2x 1	2x 1
Steam pressure		kPa	300-1000	300-1000
Steam consumption		kg/h	143	143
Condensate		in	1	1
Gas		in	1	1
Gas pressure	Natural gas	kPa	1.13	1.13
	LPG gas	kPa	2.75	2.75
Air outlet		mm	Ø 315	Ø 315
Evacuated air,	steam	m <sup>3</sup> /h	2300	2500
	gas	m <sup>3</sup> /h	2300	2500
	electric	m <sup>3</sup> /h	2300	2500
Pressure drop		Max. Pa	100	100
Sound levels				
Airborne sound level		dB(A)	<70	<70
Heat emission				
% of installed power, max			15	15
Shipping data				
Heating unit, gas/steam/electric	net, kg		39/50/42	46/50/42
	total net, kg		440	470
Heating unit, gas/steam/electric	crated, kg		69/80/72	76/80/72
	total crated, kg		483	535
Shipping volume, Heating unit	m <sup>3</sup>		0.48	0.48
	total, m <sup>3</sup>		3.65	4.16
Dimensions in mm				
A	Width		1290	1290
B	Depth		1295	1485
C	Height		2465	2465
D	(with top removed)		1965	1965
E			780	780
F			850	850
G			245	245
H			230	230
I			1590	1590
K			120	120
L			180	180
M			2055	2055
N			410	410
O			2025	2025
P			2360	2360
R			570	570
S			2400	2590
T			1810	1810
1	Control panel	5	Steam connection	
2	Door opening Ø 940	6	Condensate connection	
3	Electrical connection	7	Exhaust connection	
4	Gas connection	8	Delivery height	

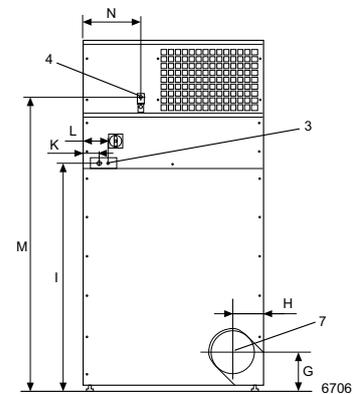
\* Other voltages available see installation manual.



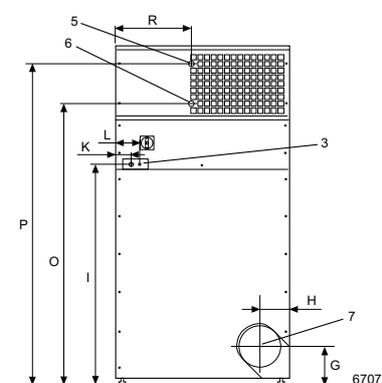
Front



Left side



Rear side, gas



Rear side, steam

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 We reserve the right to alter specifications without notice.

# Electrolux Industrial Dryers – Installation Guideline

## Foundations

- The machine should be sited on a firm level floor capable of withstanding its loaded weight.

## Setup

- Two persons are recommended for the unpacking.
- The machine is bolted onto the transport pallet, remove the bolts between the machine and pallet. There are two bolts in the front of the machine and two in the back of the machine.
- The machine is delivered with supporting feet & must be levelled.
- The machine should be positioned so that there is plenty of room for working -(min. 500mm), both for the user and service personnel.

## Electrical supply

- A competent installer must carry out all work. All work and materials must comply with local and national codes of practice.
- The machine must be installed using correctly sized cable (not provided)
- Each dryer must be provided with a separate isolation point, usually a fused switched outlet, with it's own circuit.
- Electrical connections are made inside the rear service box located at the upper left of the machine. Notice must be taken of the connection diagram.
- The isolator must be in an accessible position for emergency shut off.

## Gas supply

- A qualified and competent person should carry out the installation of the gas supply. All gas work must be carried out by a registered AGA gas operative and must comply with all regulations relating to the installation.
- Ensure that the correct pressure is supplied to the dryer. Depending upon the type of gas used if the inline pressure exceeds that which is required a regulator should be fitted. If this is the case consult the supplier.
- The machine is designed to burn at a certain rate, known as the BTU rating of the appliance. To ensure that this rate is maintained the gas supply should remain constant. To achieve this the supply line must be of the correct size. Distance from the meter and other appliances on the same supply will have an effect on the pressure. Each dryer should have a gas isolation tap test gauge point, and restraining wire/chain
- The machine should be connected to a supply using a flexible armoured hose as vibrations could cause a solid connection to fracture. The hose may have union or bayonet connection points. A bayonet connector should not be used as an isolation point.

## Exhaust

- All exhaust ductwork must be designed by a competent operative to ensure that the installation does not have any detrimental effect on dryer performance.
- The duct should follow the shortest possible route to atmosphere using the least number of bends possible and should be constructed of a smooth wall, rigid stainless steel or galvanised tubing. Flexible ducting must not be used.
- The diameter of the duct must never be reduced in size.

- If a common duct is to be used to vent a multiple dryer installation the diameter shall be increased to accommodate the cumulative effect of all dryers.
- Exhaust terminations may be hooded weather cowl (china hat) for vertical ducts or a downturn 90° elbow for horizontal. Louvres or grills may be used to prevent entry by foreign objects but consideration must be given to potential restrictions to air flow. When louvres and grills are used they must be in an accessible location for regular cleaning
- The exhaust should be properly sealed at all joints (no rivets).
- The exhaust air should not be vented into a wall, a ceiling, or a concealed space of building. Air must be vented outdoors.

## Ventilation

- The dryer removes a large amount of air, while it is operating, from the room via the exhaust. Therefore, the air inside the room must be continually replenished with fresh air from atmosphere.
- If there is an imbalance between the air being pushed out to that which is being drawn in, there will be an adverse effect on the performance and operation of the dryer.
- Where louvres or grills are fitted then the size should be increased to achieve the correct size of free air space. Ventilation must be fixed and unrestricted. Ventilation should not be positioned within two metres of exhaust duct outlet. If more than one dryer is installed the opening can be increased to match their requirements; there is no need to make a separate opening.
- The area of the air inlet opening must be five 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.

## Static Back Pressure

- It is important to calibrate static back pressure according to ducting provided on site, this ensures optimal energy efficiencies and best performance.
- Adjust the dryer's damper by demounting the lower back panel and loosening the screws. B in below image.
- Measure the pressure with an airflow meter by removing the NTC sensor (A) and testing the airflow, adjust the the damper until ideal pressure is reached per below table and tighten screws once achieved.

Model	Heating / Frequency	Static Back Pressure	Max Airflow
T5290	Electric / 50 Hz	400 Pa	550 m3/h
T5290	Gas / 50 Hz	400 Pa	610 m3/h
T5550	Electric / 50 Hz	650 Pa	940 m3/h
T5550	Gas / 50 Hz	650 Pa	940 m3/h
T5675	Electric / 50 Hz	500 Pa	1140 m3/h
T5675	Gas / 50 Hz	750 Pa	1140 m3/h

