

Speed Queen® Worlds #1 Commercial Laundry Brand **The Easy Guide**

Thank you for committing your business to become part of the Speed Queen Family.

We bring to you over 65yrs local experience in the On Premise Laundry Business

Our fully trained team have a commitment to setting up professional laundromat businesses - it is only limited by your desire and committed budget.

This is a guide to successful product selection. Use it as reference - contact your consultant for further details as required.

*Laundry business
made easy with the
Speed Queen*



Tumbler Dryer Guide



GENERAL RECOMMENDATIONS FOR GAS TUMBLE DRYERS

Preparation: It is vital that when planning your laundry layout, extensive checks are done in regards to the functional use of equipment by your customers.

Checking the swing and access to the dryer doors - try to avoid door clashes.

Of similar importance is the operation - air flow around unit - access for maintenance - design and location of the Exhaust System and the supply of Make Up Air.

Preparation of any bulk head work must allow a clearance of 30mm for installation and maintenance of units in all cases.

Pro tip — *Associated Cabinets: Ensure clearances are allowed for at top for levelling units 30mm + foot bolts (bottom of unit) -
--- These units must have a minimum clearance above the cabinet body of 300mm & behind of 610mm for **Energy Safe inspection & service maintenance.*

Noise level for Tumble Dryers are typically @ 60 -65dBA measured during operation at operator position of 1 meter in front of machine and 1.6 meters from floor (approx)

Electrical: Each unit typically requires 1 x 240/50/1 – 15 amp G.P.O.
Location of the GPO should be such that it allows for easy access for service and maintenance of equipment

Power reset *Ensure you can access power point from the rear of the unit, or have separate breaker switches for each unit in the central panel - power cycling unit may be required in maintenance or clearing errors.*

Plumbing: Each unit will have an individual GAS supply line
Each stacked unit has one flue located at the rear left corner - single pocket units flue location is at floor level left hand rear.
All gas and flue locations are as per line drawings from installation guide **
Refer to your Plumber and Energy Safe regulations when designing Tumbler Area

Pro tip -
*Plumbing must comply with Australian Gas Installations Standard AS/NZS 5601 Part 1: General Installations Gas loop: Gas loop piping may be installed to equalize gas pressure for all tumble dryers connected to a single gas service. ***

INSTALLATION CLEARANCE : ensure nothing will obstruct above the location of the exhaust outlet as your plumbing specialist will need to fabricate the correct angel to ensure flow is not deminished.
Estimated Building Heat Load: HVAC load are between 5 and 8% of total energy used per drying cycle - this is greatly affected by the structure surrounding structure

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Laundry Set Up Guide

It is usually desirable to enclose the tumble dryers to segregate the make-up air supply, especially if the laundry room is air conditioned or has some sort of environmental control.

Tumble dryer enclosures can provide significant benefits:

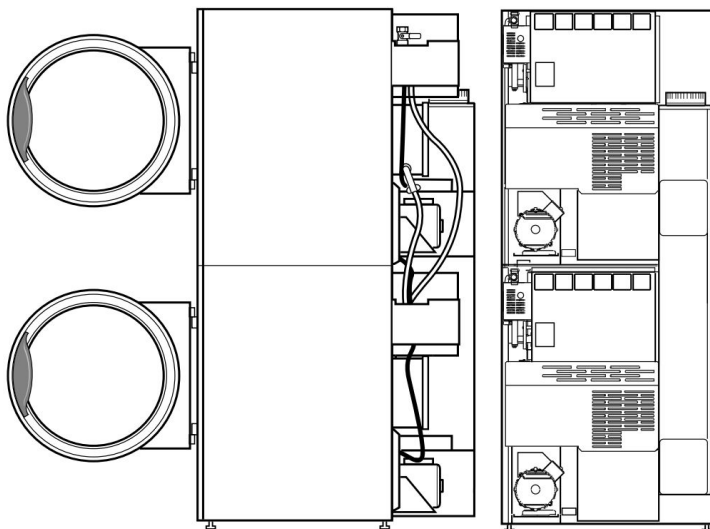
- The tumble dryers do not use conditioned room air for combustion make-up air. This makes operating both the environmental system and the tumble dryers less expensive because air cooled to 24°C (75°F) is not taken from the room and reheated to 71-82°C
- Heat emissions from the tumble dryers are reduced up to 80%. A good rule of thumb for estimating heat emission from a tumble dryer (or ironer) is to figure each exposed face will emit 2% of the rated BTU input. If a tumble dryer is not enclosed, there is a far greater impact on the environmental system (Aircon) due to the higher heat emission from a tumble dryer.
- Noise from motors, belts, chains and the airflow in the exhaust duct is also reduced by enclosing tumble dryers. This results in a cleaner and more efficient laundry operation.

Finalise calculation for Unit location:

When finalising the construction of walls - bulk heads or structures around the Tumble ensure your builder or shopfitter has the current installation guide from your Speed Queen Consultant.

Dryer area make sure this does not obstruct vital components:

- GAS LINE into each unit.
- EXHAUST VENT outlet location rear of the unit
- Ensure no structure is above the exhaust point if manifold is used allow for the angle required
- Data cables and Power cords should not lay over Burner Box area @ rear of Dryer.
- The lower section requires access to service the main motor @ rear right corner on the Stacked Units.
- Allow 610mm behind unit for service-maintenance



Pro tip —If your tenancy has Automatic Fire Sprinkler Systems, ensure the Fire Consultant positions the correctly rated sprinkler heads for this higher temperature area. Location of Exhaust Ducts and Gas supply should not impede the function of the sprinklers. Ensure adequate layout to maximise coverage in this area

Laundry Set Up Guide

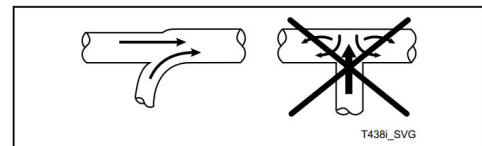
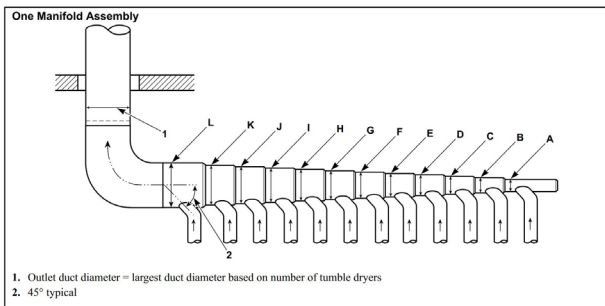
INSTALLATION: GENERAL INFORMATION - Dryers & Flues or Ducting:

Individual Ducting:

Each stack unit has only one flue (duct) connection that is elliptical in shape. Flue roof penetration should turn 180 degrees downward with minimum distance between exhaust opening and roof to be 914mm.

Manifold Ducting:

While it is preferable to exhaust drying tumblers individually to atmosphere there may be a requirement to install a main collector duct or manifold duct if apartment or dwelling is situated above the laundry or the building construction requires an alternative.

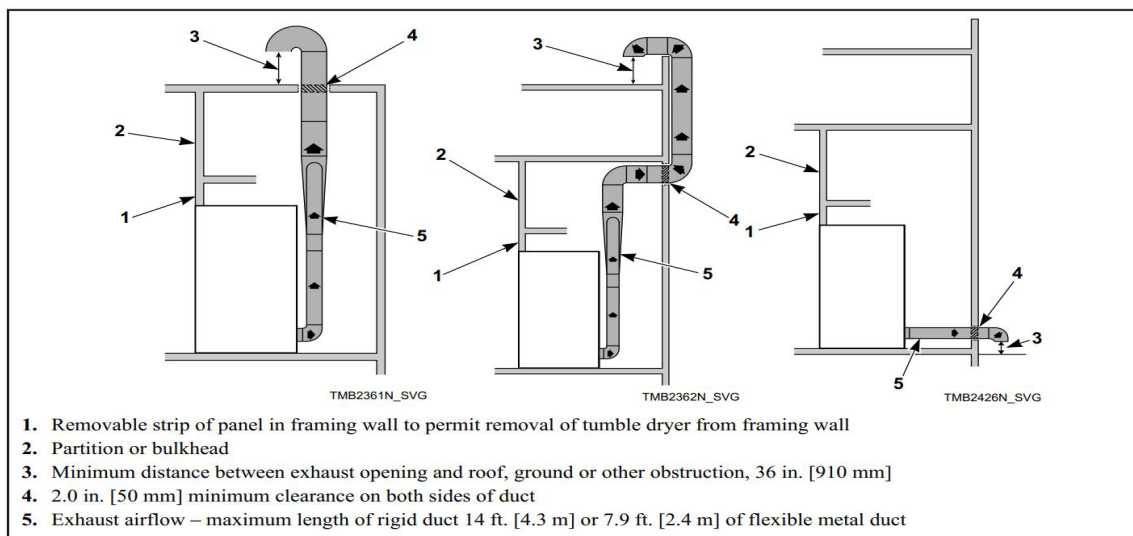


A detailed diagram can be supplied in this case to enable the fabricator to construct the manifold duct based on the number of drying tumblers connecting to the unit and the site requirements.



IMPORTANT SAFETY INSTRUCTIONS

- Ensure dryer is empty before loading.
- To reduce the risk of fire, DO NOT DRY plastics or articles containing foam, rubber or similarly textured rubberlike materials.
- Do not dry articles that have been cleaned in, washed or soaked in or spotted with gasoline, dry cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.
- Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the softener or product.
- Do not allow children on or in the tumbler! This appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
- Do not reach in to the tumbler if the cylinder is revolving.



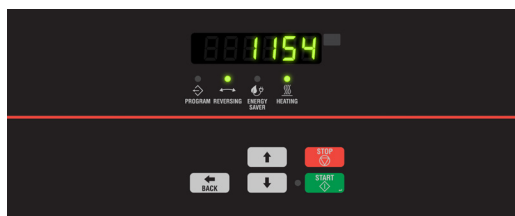


On-Premises Tumble Dryers

SA055NNN

Features

- Large door opening for easy loading and unloading
 - extra strong hinge and reversible door
- Galvanized drum – oval drum holes preventing damage from standard drywall screws
- Unique drum supporting system (axial airflow only)
 - at the rear: bearing
 - at the front: rubber rolls with bearings
- Large lint filter – easy removal of lint, efficient drying
- Axial airflow
 - drum perforations only at the front and back
 - maximum airflow, less energy consumption and short drying times
- Quantum™ Gold Control
 - easy to operate, easy to program
 - flexibility of 30 programmable cycles
 - moisture sensing technology prevents overdrying, saving time and energy

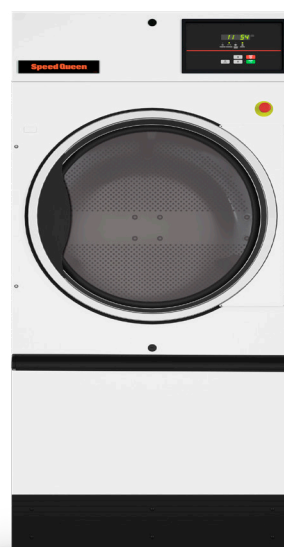


Quantum™ Gold Control

Options

- Stainless steel front and drum
- Reversing: prevents tangling of the linen
- CARE (Combustion Auto Response Equipped)*
 - a response to laundry combustion
 - helps suppress early laundry fire by constantly monitoring the temperature in the drum
 - in case of excessive temperature, linen is sprayed with water

* only for OPL models with gas or steam heating



Easy Operation



Large Door
Opening



Low Energy
Consumption



High Output

On-Premises Tumble Dryers

Specifications

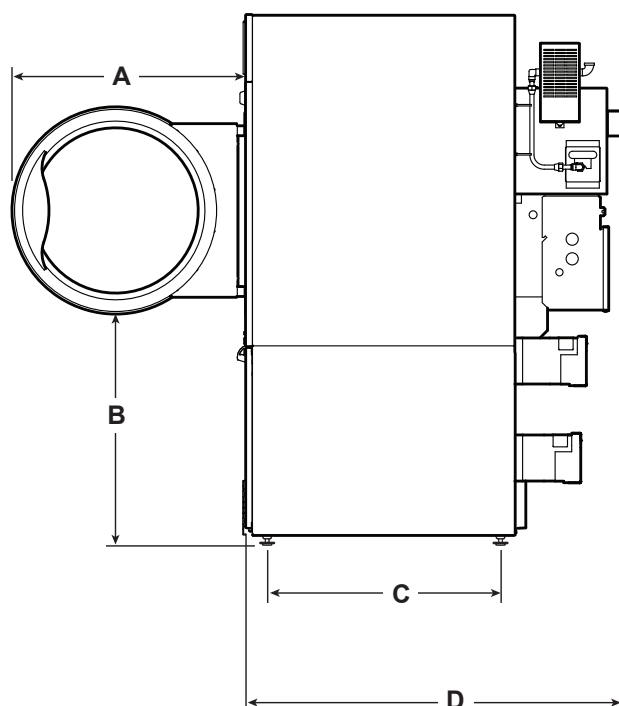
SA055NNN	
CAPACITY	
Capacity [kg]	24
Drum volume [l]	490
Drum diameter [mm]	Ø838
AIRFLOW	
Airflow [l/s]	330
Make Up Air (cm2)	929
DRYING AVERAGE	
Gas heating [g/min]	485
Electric heating [g/min]	371
MOTOR	
Fan [kW]	0,4
Drive [kW]	0,4
GAS HEATING	
Energy [kW]	32,8
Energy [kBTU/h]	112
Electrical connection	Single Phase 240V / 50Hz / 1 Refer to Installation Guide Prior to fitout
Gas connection [NPT]	½"

STEAM HEATING	
High pressure 6,9 bar [kW]	-
[kBTU/h]	-
Electrical connection	Single Phase 240V/50Hz / 1
Steam connection [NPT]	-
ELECTRICAL HEATING	
Energy [kW]	27
Electrical connection	3 Phase 415V/50Hz / 3 Refer to Installation Guide Prior to fitout
Circuit Breaker / FLA	
Exhaust [Ø /mm]	200
DIMENSIONS	
Size H×W×D [mm]	1700×875×1350
Net weight (E) [kg]	200
Net weight (G,S) [kg]	195
TRANSPORT DATA	
Packed (foil) H×W×D [mm]	1790×900×1450
Gross weight (foil, E) [kg]	220
Gross weight (foil,G,S) [kg]	215
Packed (crate) H×W×D [mm]	2210×1020×1520
Gross weight (crate, E) [kg]	300
Gross weight (crate,G,S) [kg]	295

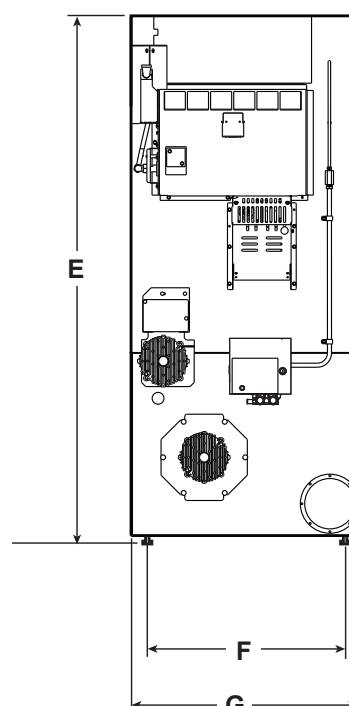
Model	A	B	C	D	E	F	G
SA055	810	680	850	1350	1700	775	875

Refer to Installation Guide prior to fitout for Energy Safe requirements for make up air intake and the minimum required service space behind units, and space around unit. (610mm)

Side



Back



Contact Speed Queen Equipment Sales for further details:
E: info@speedqueensales.com.au



On-Premises Tumble Dryers

SA075*

Features

- Large door opening for easy loading and unloading
 - extra strong hinge and reversible door
- Galvanized drum – oval drum holes preventing damage from standard drywall screws
- Unique drum supporting system (axial airflow only)
 - at the rear: bearing
 - at the front: rubber rolls with bearings
- Large lint filter – easy removal of lint, efficient drying, self cleaning filter
- Radial airflow
 - drum perforations over the entire surface
 - high production
 - pulley drive system
- Quantum™ Gold Control
 - easy to operate, easy to program
 - flexibility of 30 programmable cycles
 - moisture sensing technology prevents overdrying, saving time and energy

Standard frequency inverter drive



Easy Operation



Large Door Opening



Low Energy Consumption

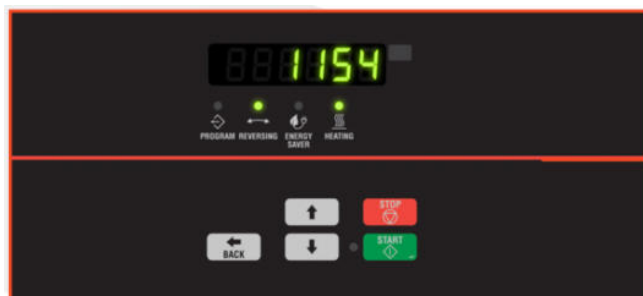


High Output

Options

- Stainless steel front and drum
- Reversing: prevents tangling of the linen
- CARE (Combustion Auto Response Equipped)*
 - a response to laundry combustion
 - prevents early laundry fire by constantly monitoring the temperature in the drum
 - in case of excessive temperature, linen is sprayed with water

* * only for OPL models with gas or steam heating



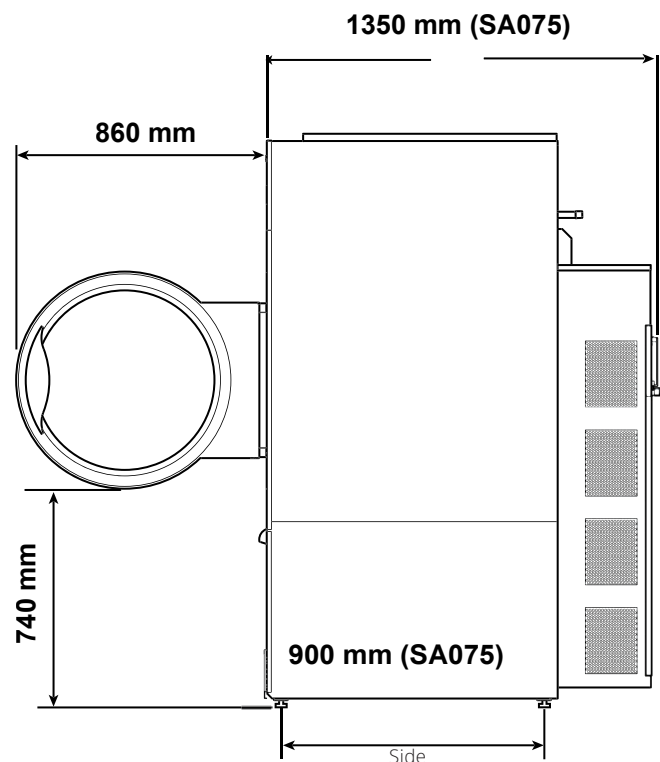
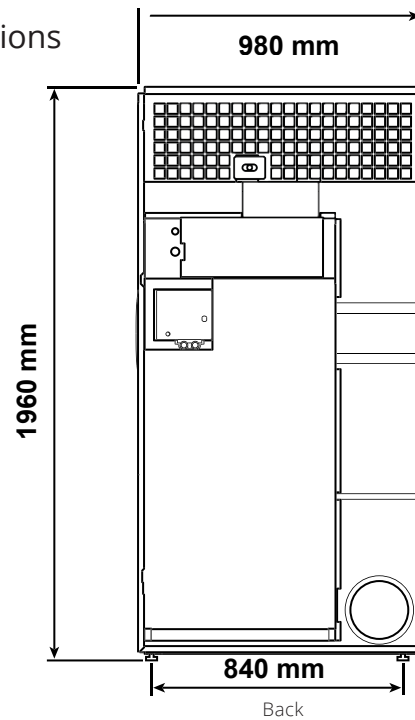
Quantum™ Gold Control

On-Premises Tumble Dryers

Specifications

	SA075
DRYER CYCLES	30
Capacity [kg]	34
Drum volume [l]	634
Drum diameter [mm]	Ø940
MAKE UP AIR	929 cm ²
Airflow [l/s]	380
DRYING AVERAGE	
Gas heating [g/min]	571
Electric heating [g/min]	521
MOTOR	
Fan [kW]	0,4
Drive [kW]	0,4
GAS HEATING	
Energy [kW]	48,4
Energy [kBTU/h] - MJ/hr	165 - 174
Electrical connection	1-3×200-240V/50-60 Hz
Gas connection [NPT] - (NPT)	½" - 12mm
STEAM HEATING	
High pressure 6,9 bar [kW]	39,24
[kBTU/h]	133,9
Electrical connection	1-3×200-240V/50-60 Hz
Steam connection [NPT]	¾"
ELECTRICAL HEATING	AMPS 70 (Circuit Breaker 60)
Energy [kW]	36
Electrical connection	3×440-415V/50-60Hz
Exhaust [Ø /mm]	200
DIMENSIONS	
Size H×W×D [mm]	1960×980×1350
Net weight (E, G, S) [kg]	320, 310, 325
TRANSPORT DATA	
Packed (foil E, G) H×W×D [mm]	2060×1050×1420
Packed (foil S) H×W×D [mm]	2120×1050×1420
Gross weight (foil,E,G,S) [kg]	340, 330, 350
Packed (crate) H×W×D [mm]	2240×1170×1500
Gross weight (crate,E,G,S) [kg]	410, 395, 415
Australian gas approval	# 4944
CE approval	Yes

Dimensions



Contact Speed Queen Equipment Sales for further details:

E: info@speedqueensales.com.au



PROVEN PERFORMER

On-Premises Tumble Dryers SA120, SA170, SA200

Features

- Large cylinder
 - allows free air movement
 - short drying cycles
- Large door opening for easy loading and unloading
 - extra strong hinge
- Standard galvanized drum
 - oval drum holes preventing damage from standard drywall screws (not SA200)
- Unique drum supporting system
 - at the rear: bearing house
- Large lint filter
 - easy removal of lint
 - efficient drying
- Radial airflow
 - drum perforations over the entire surface
 - high production
 - pulley drive system
- Reversing standard: prevents tangling of the linen
- High performance heating
- Quantum™ Gold Control
 - easy to operate, easy to program
 - flexibility of 30 programmable cycles
 - moisture sensing technology prevents overdrying, saving time and energy
- Digital display and countdown
- C.A.R.E. (Combustion Auto Response Equipped)
 - A response to laundry combustion
 - helps suppress early laundry fire by constantly monitoring the temperature in the drum
 - in case of excessive temperature, linen is sprayed with water
- O.P.T. - Over-Dry Prevention Technology
 - revolutionary rotary transfer switch enables the system to sense dryness levels thousands of times per second for ultra-accurate readings
 - sensing surface models offer up to 267 times more surface area for sensing than competitors
 - industry exclusive rotary transfer switch doesn't require brushes or hard contact, giving maintenance-free, reliable performance
 - dryer stops automatically when desired dryness level is reached, preventing staff from making educated guesses
 - step-dry enables the use of heat until the load is half dry, then lowering the temperature for the remainder of the cycle until the specified dryness level is reached
 - dryness level settings ranging from 0 to 40 percent allows you to define each cycle according to your specific needs

Options

- Stainless steel front and drum
- Steam heat
- Electric Heat (SA120 only)



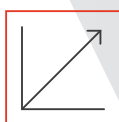
EASY
OPERATION



LARGE DOOR
OPENING



LOW ENERGY
CONSUMPTION



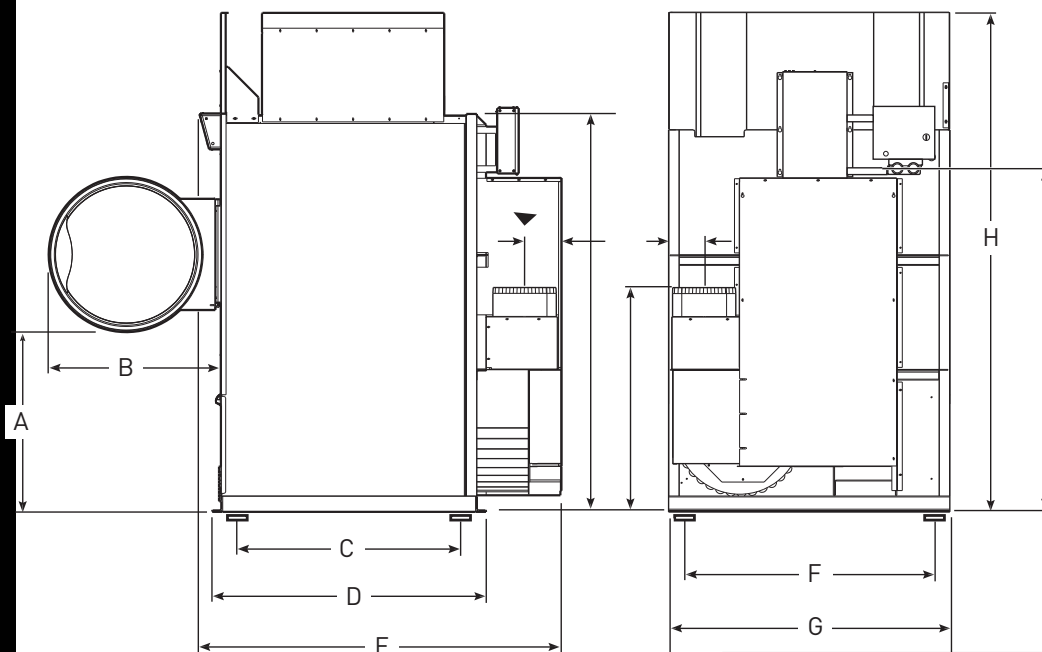
HIGH
OUTPUT



Quantum™ Gold Control



	SA120	SA170	SA200
Drum			
Capacity 20:1 kg	54.4	77.1	90.7
Volume l	1021	1408	1656
Cylinder diameter mm	1118	1289	1289
Motor			
Fan kW (non-rev/rev)	0.75	2.24	2.24
Drive kW (non-rev/rev)	0.56	0.56	0.56
Programmer			
Type of control	Quantum Gold	Quantum Gold	Quantum Gold
Cabinet			
Colour	White, option stainless steel	White, option stainless steel	White, option stainless steel
Drum	Galvanized, option stainless steel	Galvanized, option stainless steel	Galvanized, option stainless steel
Dryer door handle	Black plastic	Black plastic	Black plastic
Heating			
Gas	285 MJ/hr	416 MJ/hr	446 MJ/hr
Electric	60kW	n/a	n/a
Steam @ 100psi (6.9 bar)	11.7 BHP (118.5 kW)	18.8 BHP (189.7 kW)	18.8 BHP (189.7 kW)
Steam @ 15 psi (1.0 bar)	7.9 BHP (79.7 kW)	12.6 BHP (126.9 kW)	12.6 BHP (126.9 kW)
Connection			
Gas and Steam	Rev Amps	Rev Amps	Rev Amps
415/50/3 3W+G	3.8	6.9	8.0
Make up air supply	2323 cm ²	3387 cm ²	3387 cm ²
Air outlet diameter mm	254	305	305
Steam inlet (NPT)	19mm	19mm	19mm
Steam Outlet (NPT)	19mm	25mm	25mm
Gas inlet (NPT)	25mm	25mm	25mm
Operation			
Decibel Rating	66 dBA	66 dBA	66 dBA
Drying cycles	30	30	30
Power			
With reversing (where available)	Standard	Standard	Standard
Motor horsepower			
Fan kW (non-rev/rev)	0.75	2.24	2.24
Motor horsepower			
Drive kW (non-rev/rev)	0.56	0.56	0.56
Transport data			
Gross weight kg	607	756	825
Net weight kg	578 (steam 624)	714 (steam 760)	790 (steam 820)
Dimensions H×W×D mm	2177×1178×1725	2388×1349×1749	2388×1349×1939
Packaging dimension H×W×D mm	2286×1232×1829	2515×1473×1892	2515×1413×2019
Volume m ³	5.2	7.0	7.2
Agency approvals			
Australian gas approval	# 5646	# 5646	# 5646
CE approval	Yes	Yes	Yes



All measurements are in mm.

	A	B	C	D	E	F	G	H
SA120	797	826	1242	1268	1725	1153	1178	2177
SA170	860	826	1289	1314	1749	1324	1349	2388
SA200	815	904	1473	1505	1939	1324	1349	2388
					depth		width	height



PROVEN PERFORMER

On-Premises Heat Pump Tumble Dryers SHP250, SHP285, SHP345

Features

- Heat pump
- Standard stainless steel drum with large diameter
- Easy-to-use microprocessor (Easy)
- Combination of radial and axial airflow concept:
 - Maximal heat transfer
 - Low energy consumption
 - Short drying time
- Large door opening for easy loading and unloading
- Self cleaning lint screen

Options

- Stainless steel front
- Reversing drum
- Full control programmer (Flex)
- Residual moisture control:
 - Safe drying of delicate linen
 - Humidity detection in %
 - Ideal in combination with wet cleaning
 - Ideal for dry cleaners, fire departments
 - Available on Easy and Flex Control
- Coin operated version
- Automatic rinsing system for heat exchangers
- Special plinth for easy service access



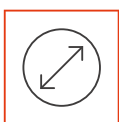
ENERGY
EFFICIENT



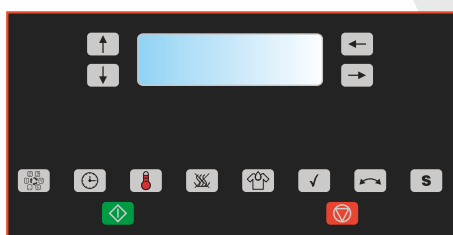
STANDARD
STAINLESS STEEL
DRUM



HEAT PUMP



LARGE DOOR
OPENING



Flex control panel



SHP250

	SHP250	SHP285	SHP345
Drum			
Capacity 20:1	12.50	14.25	17.2
Capacity 25:1	9.80	11.44	13.60
Volume litres	250	285	345
Diameter mm	760	760	760
Drying average g/min	118.03	129.48	130.29
Motor			
Fan kW/h	0.3	0.3	0.3
Drive kW/h	0.25	0.25	0.25
Programmer			
Type of control	Easy / Flex Control	Easy / Flex Control	Easy / Flex Control
Cabinet			
Stainless steel/white	White	White	White
Drum	Stainless steel	Stainless steel	Stainless steel
Dryer door Hinge	Zamak	Zamak	Zamak
Heating			
Gas consumption (megajoules)	n/a	n/a	n/a
Steam models - 100 PSI -BTU/hr	n/a	n/a	n/a
Electric kWh	3.2 - 3.6	3.2 - 3.6	3.2 - 3.6
Connection			
Electrical V /Hz			
Air inlet mm	n/a	n/a	n/a
Air outlet mm	n/a	n/a	n/a
Steam inlet (BSP) mm	n/a	n/a	n/a
Steam Outlet (BSP) mm	n/a	n/a	n/a
Gas inlet mm	n/a	n/a	n/a
Gas outlet mm	n/a	n/a	n/a
Drain mm	40	40	40
Operation			
Drying cycles			
Radial drying system yes or no	Radial + Axial	Radial + Axial	Radial + Axial
Power			
Electrical requirements	3×380-415V +N 50-60Hz	3×380-415V +N 50-60Hz	3×380-415V +N 50-60Hz
With reversing (where available)	3×380-415V +N 50-60Hz	3×380-415V +N 50-60Hz	3×380-415V +N 50-60Hz
Breaker size A	16	16	16
Full load Amps A	11	11	11
Motor horsepower kW	0.34	0.34	0.34
Transport data			
Gross weight kg	385	400	400
Net weight kg	350	360	375
Dimensions H×W×D mm	1680×795×1525	1680×795×1615	1735×795×1735
Packaging dimension H×W×D mm	1785×855×1540	1785×855×1635	1785×855×1750
Volume m ³	2.4	2.5	2.7
Agency approvals			
Australian gas approval	n/a	n/a	n/a



Dimensions

Dryer Capacity	A	B	C
SH250	1440	1525	762
SH285	1530	1615	852
SH345	1650	1735	972

All measurements in mm.

SHP250/SHP285/SHP345

- 1 Control panel
- 2 Lint screen cover
- 3 Door lock microswitch
- 4 Lint cover microswitch
- 5 Lint screen
- 6 Water inlet for rinsing system of the heat pump exchanger - on request
- 7 Main switch
- 8 Main power supply
- 9 Suction
- 10 Serial plate
- 11 Serial number of the machine
- 12 Condensate drain
- 13 Lock of the control panel:
SHP250 11 kg, SHP285 13 kg,
SHP345 16 kg with heat pump

