



ML = Moist Linen
DL = Dry Linen
E = Electrical Supply
IA = Inlet Air d=446 mm
EX = Exhaust d=396 mm
LR = Lint Removal

A = Compressed Air DN 12
G = Gas Supply DN 40
SP = Sprinkler DN 25
BA = Burner Air
V = Vent DN 25

Entrance Dimensions:
(Tumbler Dismantled)
Height = 2400 mm
Width = 2200 mm

Foundation Load Each Leg
approx. = 575 kg

Recommended minimum wall
clearance = 600 mm

Subject to alterations

Documentation

**Broadbent Laundry Systems
Queen Street South, Huddersfield**

Edition 0005

BATCH TUMBLER**FL 646 GAS**

<u>FILLING CAPACITY</u>	132,5 kg	106 kg	88 kg
at filling ratio	1 : 20	1 : 25	1 : 30

WATER EVAPORATION

at filling ratio	1 : 30	295 l/h = 4,9 l/min
		295 kg/h = 4.9 kg/min

evaporation depending on local conditions

DRUM

-diameter x depth	1510 x 1485 mm
-volume	2650 dm ³

APPLICATION

drying, pre-drying and loosening of extracted laundry

STANDARD VERSION

Solid design

Tilting tumbler with rigid supply connections
in stationary machine part on the right side
Cyclic front loading and unloading by 2-way-tilting
through large and wide lifting door
Cool down system, time controlled
Recirculation system for optimal finish
and low energy consumption
Exhaust-/recirculation ratio adjustable
Computer control with LED display for
up to 9 drying programs individually adjustable
Display of actual program step and remaining time
Thermostatic-electronic display
of inlet- and exhaust air temperature
All program variables are retrievable

Automatic gas heating with burner air blower
Electronic flame control
Color: structure finish RAL5018 turquoise blue
Drum of stainless steel
Radial-diagonal air flow
Heat- and noise insulation
Drum drive by friction wheel, reversible
by V-belts and socket gear
Easy maintenance and inner surface cleaning
Electrical supply: 3/N ~ 50 Hz, 400/230 V
Control for automatic operation as
single unit
Lint removal into large lint bags
Machine equipped in accordance with
relevant safety standards

SPECIAL VERSION

Stationary machine part on the left side
Thermostatic over drying protection ÜS
Drum poly-coated
Sprinkler device

Special voltage, special frequency
CSA-, Nema / UL-regulation
Special finish
Special pedestal heights: 300 mm, 500 mm
Additional pedestal heights upon request

ACCESSORIES

transport units for loading and unloading

CONNECTED LOAD AND CONSUMPTION RATE

Electric - without transport units
Natural gas HI = 34,02 MJ/m³ (HU = 9,45 kWh/m³)
gas flow pressure 30 - 100 mbar
LPG gas HI = 46,34 MJ/kg (HU = 12,9 kWh/kg)
gas flow pressure 50 mbar
Nominal heating capacity 310 kW
Compressed air 6 bar, 6 charges/h suction capacity
Consumption depending on local conditions

CONNECTED LOAD

14,3 kW

CONSUMPTION

12,1 kWh

32,8 m³/h

24,6 m³/h

24,0 kg/h

18,0 kg/h

520 l/h

400 l/h

EXHAUST AIR RATE

Exhaust air rate with recirculation drying cycle in operation
with cool down cycle max.
Counter pressure from local exhaust pipe max. permitted

2600 - 5300 m³/h

10600 m³/h

3,0 mbar

PACKING width x height x depth

2800 x 2300 x 1800 mm

2000 x 2000 x 1800 mm

WEIGHTS

Tumbler net 2100 kg, op. weight approx.2300 kg

Packing: planks and PVC-cover, gross 2200 kg

Subject to alterations