



ML = Moist Linen
DL = Dry Linen
E = Electrical Supply
IA = Inlet Air d=556 mm
EX = Exhaust d=556 mm
LR = Lint Removal

A = Compressed Air DN 10
G = Gas Supply DN 40
SP = Sprinkler DN 25
BA = Burner Air
V = Vent DN 25

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

Foundation Load Each Leg
approx. = 1110 kg

Recommended minimum wall
clearance = 600 mm

Subject to alterations

Documentation

Broadbent Laundry Systems
Queen Street South, Huddersfield

Edition 0005

BATCH TUMBLER**FL 657 GAS****FILLING CAPACITY**

at filling ratio

270 kg

1 : 20

215 kg

1 : 25

180 kg

1 : 30

WATER EVAPORATION

at filling ratio

1 : 30

small pieces

455 kg/h = 7.6 kg/min 455 l/h = 7,6 l/min

1 : 30

large pieces

315 kg/h = 5.3 kg/min 315 l/h = 5,3 l/min

evaporation depending on local conditions

DRUM

-diameter x depth

1740 x 2240 mm

-volume

5330 dm³**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 temperature control (SAT)

of inlet- and exhaust air temperature

All program variables are retrievable

SPECIAL VERSION

Stationary machine part on the left side

Thermostatic over drying protection ÜS

Drum poly-coated

Sprinkler device

Automatic gas heating with an

electronic flame controlled burner and air blower

Colour: 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 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

31,3 kW

CONSUMPTION

26,6 kWh

Natural gas HI = 34,02 MJ/m³ (HU = 9,45 kWh/m³)

gas flow pressure 30 - 100 mbar

50,8 m³/h38,1 m³/h

LPG gas HI = 46,34 MJ/kg (HU = 12,9 kWh/kg)

gas flow pressure 50 mbar

87,2 kg/h

27,9 kg/h

Nominal heating capacity 480 kW

Compressed air 6 bar, 6 charges/h suction capacity 900 l/h

Consumption depending on local conditions

EXHAUST AIR RATE

Exhaust air rate with recirculation drying cycle in operation

5000 - 9000 m³/h

with cool down cycle max.

18000 m³/h

Counter pressure from local exhaust pipe max. permitted

3,0 mbar

PACKING

width x height x depth

Colli 1

2300 x 2300 x 2600 mm

Colli 2

2300 x 2000 x 3300 mm

Colli 3

2000 x 2200 x 700 mm

WEIGHTS

Tumbler net 4000 kg, op. weight approx. 4440 kg

Packing: planks and PVC-cover gross 4600 kg

Subject to alterations