

## NorthGlass

4 – 19 mm, 2000 x 3600 mm, Left – Right

Glass tempering furnace

Year: 2008

Connection value: 700 kW

With upper convection

In very good working condition. Annual technical inspections were performed each year.

The furnace was dismantled in December 2023 and is in storage in Germany.

ESG Ofen / Glashärteanlage

Baujahr: 2008

Anschlusswert: 700 kW

Mit oberer Konvektion

In sehr gutem Zustand. Jährlich wurden technische Inspektionen durchgeführt.

Der Ofen wurde im Dezember 2023 abgebaut und ist in Deutschland eingelagert.

Piec do hartowania szkła

Rok budowy: 2008

Wartość przyłącza: 700 kW

Z górną konwekcją

W bardzo dobrym stanie technicznym. Każdego roku wykonywane były roczne przeglądy techniczne.

Piec został zdemontowany w grudniu 2023 i znajduje się w magazynie w Niemczech



## NorthGlass, 4 – 19 mm, 2000 x 3600 mm, Left – Right, year: 2008

Max loading width	2'000 mm
Max loading length	3'660 mm
Maximum glass loading size	2'000 x 3'660 mm (at 5-19mm) 2'000 x 1'700 mm (at 4mm only) *)
*) Note: The glass size at 4mm is proposed to no more than 2m <sup>2</sup> per each sheet.	
Minimum glass loading size	100 x 300 mm
Glass thickness range EN 12150-1:2000 (FT)	4 - 19 mm
Glass thickness range EN 1863-1:2000 (HS)	4 - 8 mm
Loading height	930 mm
Furnace roller diameter	75 mm
Pitch furnace rollers	20 mm
Number of ceramic rollers	44 pcs.
Number of heating zones top half	40 pcs.
Number of heating zones bottom half	25 pcs.
Number of drive motor for convection support	2 pcs.
Lifting height top furnace half	460 mm
Heat-up time (20°C - 700°C)	12 hr (discontinuously) 6 hr (continuously)
Warm-up time (550°C - 680°C)	1 hr
Glass exit temperature	≤30°C + Environment temperature
Yield (at diamond-tool worked edges)	≥ 92 % ( at 4 mm ) ≥ 95 % ( at 5-19 mm )
Productivity (at clear float glass of 60%-70% loading rate)	4 mm =32 batches / hr **) **) Note: based on double cycles. 5 mm =15 batches / hr 6 mm =13 batches / hr 8 mm = 10 batches / hr 10 mm = 7 batches / hr 12 mm = 6 batches / hr 15 mm = 5 batches / hr 19 mm = 3 batches / hr
Compressed air supply	0.6 – 0.8 m <sup>3</sup> / minute (7 bar)
Electric supply network furnace	3 x PH + N + PE 400 V +/- 10%, 50 Hz
Fan Drives	3 x PH + N + PE 400 V +/- 10%, 50 Hz
Installed / required power in kW / KVA	
Furnace heating	576 kW
Convection	11 kW (2 x 5,5kW)
Auxiliary Drives	20 kW
Quenching Section	250 kW
Total installed power	857 kW x 80% ≈ 700 kW



