



ELECTRICAL DATA

PROJECT 7088 DROS 2
 DATE Nov. 08, 2001
 HTF-1430-CTA-10-R

SUPPLY VOLTAGE /V	400	50 Hz
NUMBER OF PHASES	3	
WIRE SYSTEM	4 WIRE	
NEUTRAL LINE	YES	
PROTECTIVE EARTH	NO	
VOLTAGE PHASE TO NEUTRAL	230	
VOLTAGE VARIATION	+/- 5 %	
FREQUENCY VARIATION	+/- 1 %	
CONTROL VOLTAGE	220 VAC	

FURNACE MAIN CONTROL PANEL

UPPER HEATING ELEMENTS		PCS	Pn/kW	In/A	Pn/kW
	EH1 - EH12	12	10,15	25,38	121,80
	EH25, EH26	2	4,12	17,90	8,23
BOTTOM HEATING ELEMENTS					
	EH1 - EH12	12	10,15	25,38	121,80
	EH25, EH26	2	4,12	17,90	8,23

TOTAL HEATING POWER	260,06
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AC - MOTORS

		U / V	I / A	Pn/kW
MAIN DRIVE	M041	400	8,9	4,00
FURNACE LIFT	M042	400	5,2	2,20
LOADING CONVEYOR	M043	400	0,8	0,25
AIR BALANCE	M044	400	0,8	0,25
CULLET CONVEYOR	M045	400	2,9	1,10
LIFTING CONVEYOR	M046	400		
PYROMETER MOVEMENTS	M047	400		
NOZZLE FRAME LIFT	M048	400	2,1	0,75
UNLOADING CONVEYOR	M049	400	2,1	0,75
AXIAL BLOWER	M053	400	22	11,00

TOTAL AC-MOTOR POWER	20,30
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DC - DRIVE MOTOR

M0412	Un= 24 VDC	In=34.0 A	0,70
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TOTAL DC-MOTOR POWER	0,70
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BLOWERS MAIN CONTROL PANEL

		U / V	I / A	Pn/kW
BLOWER 1	M161	400	161	90
BLOWER 2	M181	400	161	90

TOTAL AC-MOTOR POWER	180
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HORIZONTAL TEMPERING FURNACE

HTF™-1430-CTA-10-R

Glass thickness range 3.8 - 19 mm

Loading area

3.8 mm and over 1400 mm x 3000 mm

Maximum glass size

ANSI Z97.1-1984
 4.7 mm and over 1400 mm x 3000 mm (3300)*
 3.8 mm 1400 mm x 2700 mm

ECE R43

1000 x 1500 mm

* Single sheets 300 mm longer can be tempered with reduced production rate

Minimum glass size

3.8 mm and over 100 mm x 250 mm

Maximum production rates with K = 100 %, with clear float glass

4 mm	87 m ² /h
5 mm	73 m ² /h
6 mm	61 m ² /h
8 mm	46 m ² /h
10 mm	37 m ² /h
12 mm	31 m ² /h
15 mm	24 m ² /h
19 mm	16 m ² /h

In actual operation, the production rates reach 50-85 % of the maximum and depend on the glass dimensions, edgework quality, and loading area utilization.

Minimum distance of sheets from each other is 30 mm

Installed power at sea level:

Heating and drive	275 kW
Blowers	2 x 90 kW = 180 kW
Auxiliary power	11 kW
Total	465 kW

Environmental conditions

- Temperature 20 - 40 °C
- Relative Humidity < 80%

Preheating time from 20°C to 700°C is abt. 2.5 h.

Outcoming glass temperature is environmental temperature + 20 ... 60 °C.

*Our offer for the reinstallation you have already, please let us know if you are interested.

*If a separate technical visit is needed, it can be arranged per cost. We need to check also availability of our personell for it.

Best Regards,