

Vertical edging machine

EM_HT



Revision: 06

TECHNOLOGICAL CHARACTERISTICS						
Dimensional characteristics	EM04020HT	EM04025HT	EM04525HT	EM05028HT	EM06033HT	EM09033HT
Maximum pane length	4000 mm	4000 mm	4500 mm	5000 mm	6000 mm	9000 mm
Maximum pane length (in "self-learning" mode)	3500 mm	3500 mm	4000 mm	4500 mm	5000 mm	7500 mm
Maximum pane height	2000 mm	2500 mm	2500 mm	2800 mm	3300 mm	3300 mm
Minimum pane dimensions	320 mm x H=260 mm					
Minimum pane dimensions ("polished edge" processing)	670 mm x H=260 mm					
Minimum pane dimensions (with mechanical horizontal reference device)	320 mm x H=300 mm					
Processing pane thickness	3 - 25 mm					
Processing pane thickness ("polished edge" processing)	3 - 19 mm					
Maximum transportable pane thickness	25 mm					
Maximum transportable pane weight	200 kg/m					
Maximum processable pane weight *	200 kg/m					
Process characteristics	EM04020HT	EM04025HT	EM04525HT	EM05028HT	EM06033HT	EM09033HT
Processing operations that can be performed	arrissing – "rough edge" grinding – "polished edge" grinding					
Processing shaped panes **	optional					
Processing shaped panes with concave curved sides (radius ≥ 1000 mm)	optional					
Position of the "low-emission" treatment	operator side					
Processing of corner fittings	✓					
Corner curvature radius (also in "self-learning" mode)	0 mm ÷ 20 mm					
Control and management of pane curvature	≤ 2.5 mm/m					
External tool diameter	200 mm					
Tool insertion hole diameter	35 mm					
Maximum tool pack thickness	85 mm					
Constructional characteristics	EM04020HT	EM04025HT	EM04525HT	EM05028HT	EM06033HT	EM09033HT
Presetting of diamond grinding wheel	✓					
Polishing grinding wheel automatic regenerator tool	✓					
Mechanical horizontal reference device with inspection and repeated processing	optional					
Panes transport height	640 ±20 mm					
Machine body weight	~ 5600 kg	~ 5650 kg	~ 5800 kg	~ 6000 kg	~ 6500 kg	~ 10000 kg

PROCESS WATER CHARACTERISTICS	
Conductivity	< 600 µS/cm
pH	5.5 ÷ 7.5
T.D.S. (Total Dissolved Solids)	< 300 mg/l
Hardness	< 30 °f
Fe (Iron)	< 0.05 mg/l
Chloride	< 30 mg/l
Minimum flow rate (required in case of connection to centralised purification plant, installed by and at expense of the customer)	100 l/min

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ELECTRICAL CHARACTERISTICS

Applied standard	CEI EN 60204-1
Power supply	400 V $\pm 10\%$ 50/60 Hz $\pm 1\%$ (3P+PE)
Environmental conditions	temperature +5°C ÷ +40°C
	humidity < 80%
	altitude < 1000 m a.s.l.
Type of grounding system	TN

TOOLS SUPPLIED

Tool-holder cone (HSK80B)
Tool-holder cone (HSK80B) complete with tools

OPTIONALS AND ACCESSORIES AVAILABLE ON REQUEST

	Shaped pane or unit processing
	Barcode reader
	Additional tool-holder cone
	Mechanical horizontal reference device with inspection and repeated processing
	Mechanical horizontal reference device with inspection and repeated processing / Processing shaped panes with concave curved sides (minimum radius 1000 mm)
	Process water purification plant for centrifuging (power 3 kW)
	Process water purification plant for centrifuging (power 4.5 kW)
	Rinsing module