

**SAM 023223****MAKINO Type A 77-A 188**

<b>Group</b>	Horizontal machining center
<b>Manufacturer</b>	MAKINO
<b>Type</b>	A 77-A 188
<b>Commander</b>	FANUC 16 Professional 3
<b>Serial No.</b>	80-4008-0165
<b>Year</b>	2001



Number of tables	2
Table length	630 mm
Table width	630 mm
Longitudinal travel (X-axis)	800 mm
Transversal travel (y-axis)	750 mm
Vertical travel (z axis)	770 mm
Spindle nose: HSK-A	100
Spindle speeds:	
stepless	
from	20 t/min
up to	10000 t/min
Voltage 50 Hz 3x	400 Volt
Spindle motor	30 kW
Machine's weight about	18000 kg
Overall dimensions machine:	
Length	6430 mm
Width	3650 mm
Height	3000 mm
Space requirement env.	40 / 24 m2
<b>Various accessories:</b>	
Set of toolholders	

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