



Inventory number: 23034

3-axis machining center  
MAKINO V 33i Graphite  
MAKINO PROFESIONAL 5  
2008



### Technical data

Time under power	124789 Hour
Operating time	41099 Hour
Working time	33577 Hour
Spindle run time	37924 Hour
Number of axis total	3
Table length	750 mm
Table width	450 mm
Number of T-channels	4
Distance of the T-slots	100 mm
T-channel width	18H8 mm
Table load max.	300 kg
Longitudinal travel (X-axis)	650 mm
Transversal travel (y-axis)	450 mm
Vertical travel (z axis)	350 mm
Dimension of the workpice:	
Length	750 mm
Width	635 mm
Height	250 mm
Tool magazine number of tool places	60
Tool diameter max.	80 mm
Tool lenght	250 mm
Max. tool-weight	7 kg
Time of tool changing	4.8 sec
Spindle nose: HSK	E50
Distance spindle nose to table	150 - 500 mm
Spindle speeds:	

stepless	
from	300 rpm
up to	30000 rpm
Torque max.	23.1 Nm
Feed range	1 - 20000 mm/min
Rapid traverse:	20 m/min
Air connect	4 - 8 bar
Voltage 50 Hz 3x	400 Volt
Spindle power	17/13 kW
Total power required	50 kVA
Machine's weight about	7700 kg
Overall dimensions machine:	
Length	3000 mm
Width	2070 mm
Height	2400 mm
Various accessories:	
Lamp	
Oil mist extractor	
Spindlecooling	
Workpiece loader	EROWA EASY ROBOT
Status light	









