

**MACHINE CARD**

Manufacturer: HAAS

Model: VM 6

Year: 2014

Item Number: A001939

 For information

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The high performance HAAS VM 6 vertical machining center that Industrial Machinery offers to its customers was created to meet any size and production requirement . HAAS VM 6 is the first cdl produced by Haas with a large frame. Robust and reliable, this machining center can work with a spindle speed of up to 12,000 rpm.

TECHNICAL SPECIFICATIONS:

Spindle 12,000 rpm ISO 40

Refrigeration through the spindle 21 Bar

Programmable coolant nozzle

Probe package (part probe, tool probe, probing software)

High speed

Tool change with exchange arm 24 + 1 positions

Roller shutter evacuator

RUNS

Axis X 1626 mm.

Y axis 813 mm.

Z axis 726 mm.

From the tip of the spindle to the table (max) 864 mm.

From spindle tip to table (min.) 102 mm.

SPINDLE

Max nominal power 22.4 kw

Max speed 12000 rpm

Maximum torque 122.0 Nm @ 2000 rpm

Inline direct drive system

Cone CT or BT 40

Air / oil injection bearing lubrication

Liquid cooled cooling

TABLE

Length 1626 mm.

Width 711 mm.

T-slot width 15.90 mm. To 16.00 mm.

T-slot center distance 125 mm.

Max weight on the table (evenly distributed) 1814 kg.

FEEDRATES

Max cutting 12.7 m / min.

Rapid feeds on X 15.2 m / min.

Rapid feeds on Y axis 15.2 m / min.

Rapid feeds on Z 15.2 m / min.

AXIS MOTORS

Max thrust X 15 124 N

Max thrust Y 18238 N

Max thrust Z 24910 N

TOOL CHANGER

SMTC type

Capacity 26 + 1

Max tool diameter (complete) 64 mm.

Dia. maximum tool (adjacent empty) 127 mm.

Max tool length (from the gauge line) 406 mm.

Max tool weight 5.4 kg.

Tool to tool (on average) 2.8 s

Chip to Chip (Average) 3.6 s

GENERAL INFORMATION

Cooling capacity 360 L

AIR REQUIREMENTS

Air required 113 L / min @ 6.9 bar

In-line pneumatic sleeve 3/8 in

Coupling (for air) 3/8 in

Air pressure min. 5.5 bar

ELECTRICAL SPECIFICATION

Spindle speed 1200 rpm

Inline direct drive system

Spindle power 22.4 kw

Low AC input voltage (three-phase) 70 A

Input AC Voltage (3 phase) high 440 VAC

Full load Amps (3 phase) high 35 A