

EC-400PP - MORE INFO AND ALL PRICES POSTED AT HaasCNC.com**TRAVELS**

X Axis
Y Axis
Z Axis
A Axis Indexing Increment

S.A.E.

20 "
20 "
20 "
1 °

METRIC

508 mm
508 mm
508 mm
1 °

SPINDLE

Max Rating
Max Speed
Max Torque
Drive System
Taper
Bearings

S.A.E.

20 hp
8000 rpm
75 ft-lb @ 1400 rpm
Inline Direct Drive
CT or BT 40
ABEC Class 7

METRIC

14.9 kW
8000 rpm
102 Nm @ 1400 rpm
Inline Direct Drive
CT or BT 40
ABEC Class 7

SPINDLE (OPT)

Max Rating
Max Speed
Max Torque
Drive System

S.A.E.

30 hp
12000 rpm
90 ft-lb @ 2000 rpm
Inline Direct-Drive

METRIC

22.4 kW
12000 rpm
122 Nm @ 2000 rpm
Inline Direct-Drive

PALLET CHANGER

Pallet Number
Pallet Length
Pallet Width
Pallet Change Time

S.A.E.

6
15.75 "
15.75 "
8 sec

METRIC

6
400.0 mm
400.0 mm
8 sec

INDEXER (STD)

90° Rotation Time (indexer)
Gear Ratio
Resolution
Indexing Accuracy
Repeatability
Brake Torque @ 100 psi/6.9 bar
Max Pallet Load

S.A.E.

2.5 sec
72:01:00
1 °
± 3 arc-sec
1 arc-sec
4000 lb
1000 lb

METRIC

2.5 sec
72:01:00
1 °
± 3 arc-sec
1 arc-sec
5423 Nm
454 kg

4TH AXIS (OPT)

90° Rotation Time (full 4th)
Rotational Torque (continuous)
Backlash
Gear Ratio
Brake Torque
Min Resolution
Accuracy
Repeatability
Max Pallet Load

S.A.E.

3 sec
300 ft-lb
30 arc-sec
72:01:00
500 ft-lb
0.001 °
± 15 arc-sec
10 arc-sec
660 lb

METRIC

3 sec
407 Nm
30 arc-sec
72:01:00
678 Nm
0.001 °
± 15 arc-sec
10 arc-sec
300 kg

FEEDRATES

Rapids on X
Rapids on Y
Rapids on Z

S.A.E.

1000 in/min
1000 in/min
1000 in/min

METRIC

25.4 m/min
25.4 m/min
25.4 m/min

Max Cutting	500 in/min	12.7 m/min
AXIS MOTORS	S.A.E.	METRIC
Max Thrust X	4600 lb	20462 N
Max Thrust Y	4600 lb	20462 N
Max Thrust Z	4600 lb	20462 N

TOOL CHANGER	S.A.E.	METRIC
Type	SMTC	SMTC
Capacity	70+1	70+1
Max Tool Diameter (adjacent empty)	6 "	152 mm
Max Tool Diameter (full)	3 "	76 mm
Max Tool Length (from gage line)	12 "	305 mm
Max Tool Weight	12 lb	5.4 kg
Tool-to-Tool (avg)	2.1 sec	2.1 sec
Chip-to-Chip (avg)	3.7 sec	3.7 sec

GENERAL	S.A.E.	METRIC
Air Required	9 scfm, 100 psi	255 L/min, 6.9 bar
Coolant Capacity	95 gal	360 L
Coolant Flow Rate	4 gpm	15.1 L/min
Enclosure Material	14 ga	14 ga