



MACHINE DIMENSIONS

L1330G / 1440-V Trainer

Precision Engine Lathe



Machine Dimensions

1 Machine dimensions

1.1 Dimensions

Figure 2-1 shows the overall dimensions A to E for the three versions of the lathe. Tables 2-3 to 2-5 give the values.

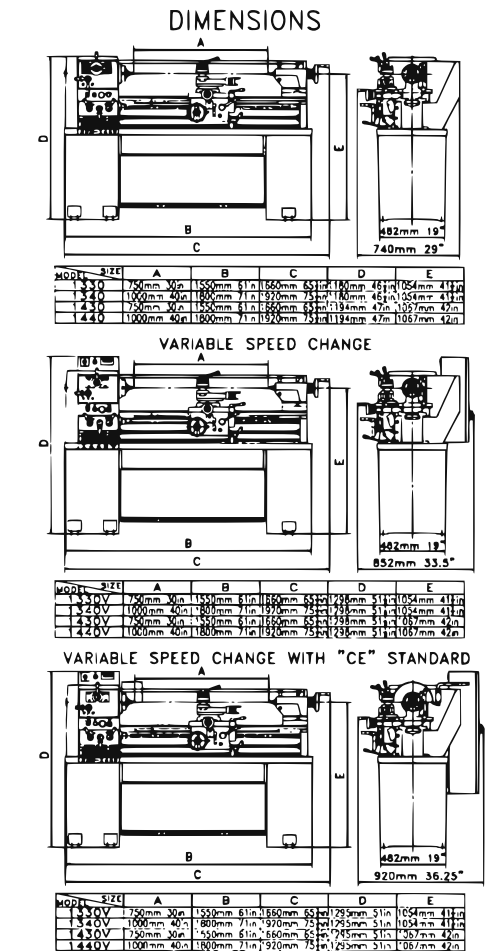


Figure 1-1: Machine dimensions: 2-speed motor version (top), variable speed version (centre), variable speed version to "CE" standard (bottom)

Table 1-1: Dimensions, 2-speed motor version (height 740mm 29", depth 482mm 19")

Model	A	B	C	D	E
1330	750mm 30in	1550mm 61in	1660mm 65-1/2in	1180mm 46-1/2in	1054mm 41-1/2in
1340	1000mm 40in	1800mm 71in	1920mm 75-1/2in	1180mm 46-1/2in	1054mm 41-1/2in
1430	750mm 30in	1550mm 61in	1660mm 65-1/2in	1194mm 47in	1067mm 42in
1440	1000mm 40in	1800mm 71in	1920mm 75-1/2in	1194mm 47in	1067mm 42in

Table 1-2: Dimensions, variable speed version (height 852mm 33.5", depth 482mm 19")

Model	A	B	C	D	E
1330V	750mm 30in	1550mm 61in	1660mm 65-1/2in	1298mm 51-1/8in	1054mm 41-1/2in
1340V	1000mm 40in	1800mm 71in	1920mm 75-1/2in	1298mm 51-1/8in	1054mm 41-1/2in
1430V	750mm 30in	1550mm 61in	1660mm 65-1/2in	1298mm 51-1/8in	1067mm 42in
1440V	1000mm 40in	1800mm 71in	1920mm 75-1/2in	1298mm 51-1/8in	1067mm 42in

Table 1-3: Dimensions, variable speed version to "CE" standard (height 920mm 36.25", depth 482mm 19")

Model	A	B	C	D	E
1330V	750mm 30in	1550mm 61in	1660mm 65-1/2in	1295mm 51in	1054mm 41-1/2in
1340V	1000mm 40in	1800mm 71in	1920mm 75-1/2in	1295mm 51in	1054mm 41-1/2in
1430V	750mm 30in	1550mm 61in	1660mm 65-1/2in	1295mm 51in	1067mm 42in
1440V	1000mm 40in	1800mm 71in	1920mm 75-1/2in	1295mm 51in	1067mm 42in

NOTE The inch fractions in the dimension tables are hard to read in the original. See errata.

Overall dimensions and weight

	1330-G Trainer	1440-UV Trainer
Centre Height	165mm 6-1/2in	178mm 7in
Width of Bedways	206mm 8-1/2in	206mm 8-1/2in
Total Length of Bed	1430mm 56in	1680mm 66in
Width in front of face plate	146mm 5-3/4in	146mm 5-3/4in
Machine net weight	650kgs	700kgs

2 Installation

2.1 Foundation plan

Figure 3-1 gives the foundation plan, the positions of the 16mm (5/8in) holding-down holes and 1/2in-12NC adjusting screws, and the space to leave around the machine for maintenance access (removal of the tailstock, pump, motor and end cover).

INSTALLATION

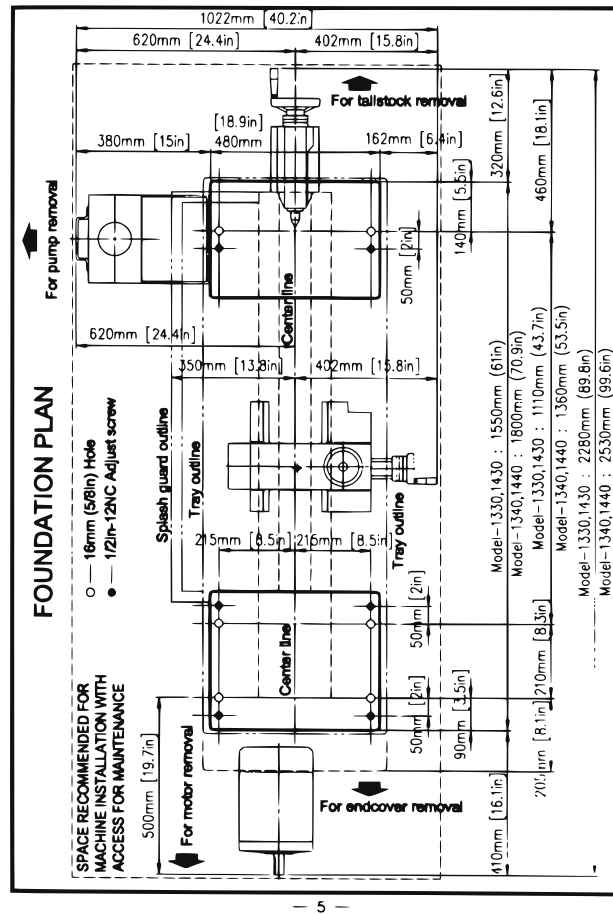


Figure 2-1: Foundation plan and space recommended for installation with access for maintenance

2.2 Lifting

- 1 Sling the lathe with sling-chains in the position shown in Figure 3-2, using the clamping plate, eyebolt and nut under the bed.
- 2 Move the saddle and tailstock along the bed until the machine hangs in balance.

■ CAUTION

Do not put slings around the bed. The leadscrew and feed shaft may be bent.

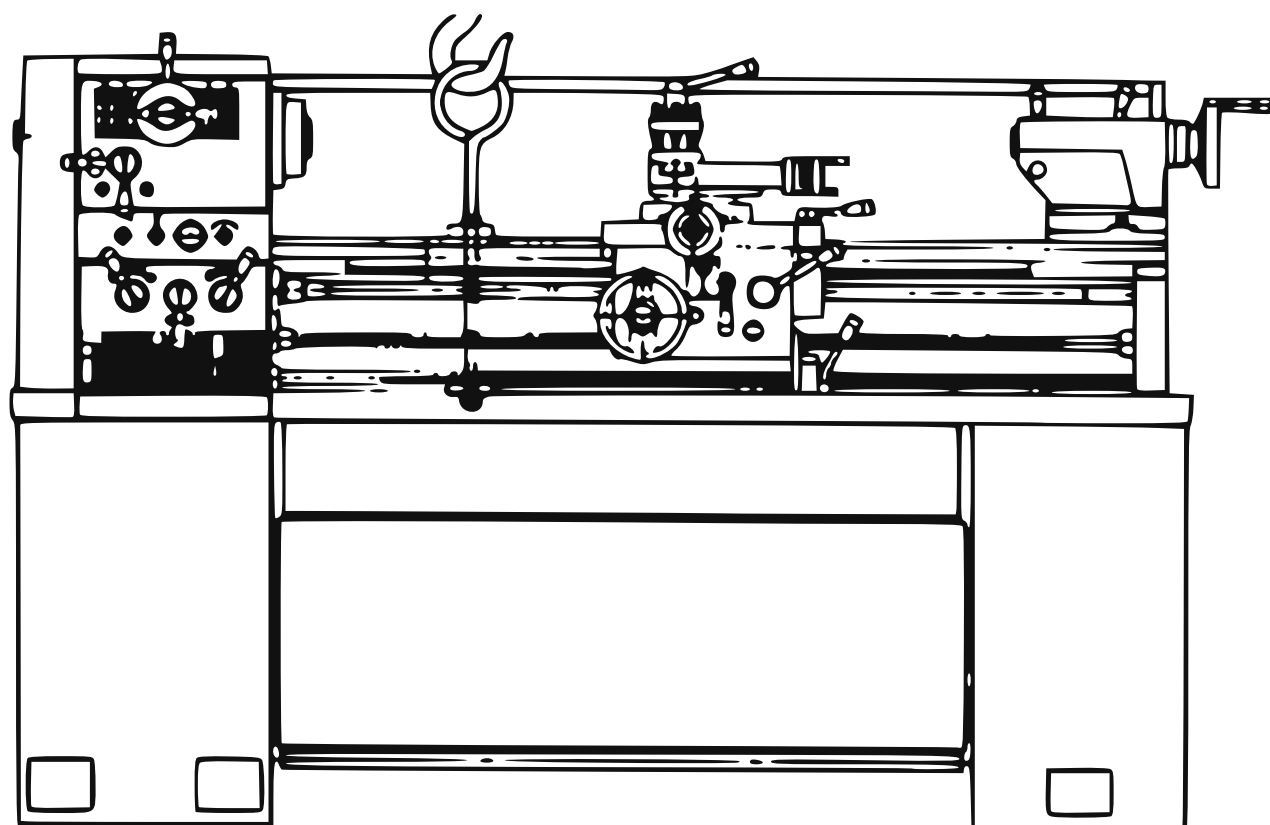


Figure 2-2: Lifting the lathe

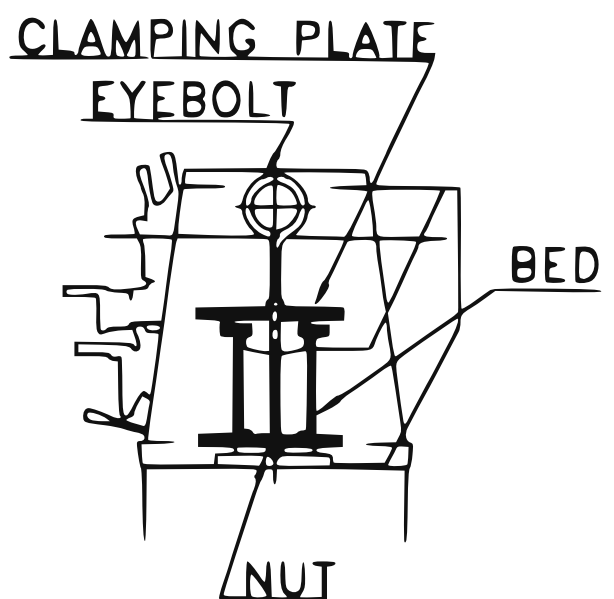


Figure 2-3: Lifting clamp detail



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UK & EUROPE

European Head Office

Units 1-3 Chapel Lane,
Clay Hill, Fishponds,
Bristol BS5 7EY,
United Kingdom

T +44 (0) 117 965 2706

E info@machmt.co.uk

NORTH AMERICA

US Office

200 Republic Ave,
Joliet, IL 60435,
USA

T +1 313 489 9667

E sales@machmt.com

ASIA

Asia Office

1 F.-A1, No. 50-26,
Shanzhuhu Rd,
Qionglin Township,
Hsinchu County,
Taiwan 307005

E sales@machmt.com

www.machmt.com