



HL-55 Model Guide



CNC Machine Tools

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HL-55NT

- Chuck Diameter 15.0"
- Bar Capacity 4.53"
- Max. Turning Diameter 24.21"
- Max. Swing Over Bed 28.62"
- X-Axis Travel 13.39"
- Z-Axis Travel 27.5"
- Spindle Speed 2500 RPM
- Spindle HP 35/30 Gearbox
- Spindle Nose A2-11
- Weight of Machine 18, 500 Lbs.

HL-55NT

The FEMCO HL-55NT is CNC Turning Center designed for the profitable production of parts up to 24" diameter, which do not require tailstock support. The HL-55NT features wide Wrap Around Box Ways and a FANUC 35 HP Spindle Motor coupled with a two-speed ZF gearbox providing power and precision for heavy cuts. The HL-55NT provides long term accuracy and rigidity in the high production environments typical of the manufacturing industry.

The FEMCO HL-55NT has the smallest footprint of the HL-55 Models. The FEMCO HL-55NT is designed to meet the demands of heavy cutting and interrupted cuts, while providing long term accuracies and excellent surface finishes. Stringent manufacturing processes and a rigid design are combined with advanced state of the art technology to give a cost-effective solution to your turning needs.



HL-55NT
No Tailstock • Shorter Bed

- Design and specifications are subject to change without notice
- Workplace longer than 8.25", Max Turning diameter 17.17"
- Workplace shorter than 8.25", Max Turning diameter 24.21"



HL-55/1250

- Chuck Diameter 15.0"
- Bar Capacity 4.53"
- Max. Turning Diameter 24.21"
- Max. Swing Over Bed 28.62"
- Max. Turning Length 42.12"
- X-Axis Travel 13.39"
- Z-Axis Travel 43.31"
- Spindle Speed 2500 RPM
- Spindle HP 35/30 Gearbox
- Spindle Nose A2-11
- Weight of Machine 19, 500 Lbs.
- Programmable Tailstock

HL-55/1250

The FEMCO HL-55/1250 is CNC Turning Center designed for the profitable production of parts up to 24" diameter and having lengths up to 42". The HL-55/1250 features wide Wrap Around Box Ways and a FANUC 35 HP Spindle Motor coupled with a two-speed ZF gearbox providing power and precision for heavy cuts. The HL-55/1250 provides long term accuracy and rigidity in the high production environments typical of the manufacturing industry.

The FEMCO HL-55/1250 is designed to meet the demands of heavy cutting and interrupted cuts, while providing long term accuracies with excellent surface finishes. Stringent manufacturing processes and a rigid design are combined with advanced state of the art technology to give a cost-effective solution to your turning needs.



HL-55/1250

- Design and specifications are subject to change without notice
- Workplace longer than 8.25", Max Turning diameter 17.17"
- Workplace shorter than 8.25", Max Turning diameter 24.21"



HL-55/2000

- Chuck Diameter 15.0"
- Bar Capacity 4.53"
- Max. Turning Diameter 24.21"
- Max. Swing Over Bed 27.95"
- Max. Turning Length 71.6"
- X-Axis Travel 13.39"
- Z-Axis Travel 78.74"
- Spindle Speed 2500 RPM
- Spindle HP 35/30 Gearbox
- Spindle Nose A2-11
- Weight of Machine 24, 250 Lbs.
- Programmable Tailstock

HL-55/2000

The FEMCO HL-55/2000 is CNC Turning Center designed for the profitable production of parts up to 24" diameter and having lengths up to 71". The HL-55/2000 features wide Wrap Around Box Ways and a FANUC 35 HP Spindle Motor coupled with a two-speed ZF gearbox providing power and precision for heavy cuts. The HL-55/2000 provides long term accuracy and rigidity in the high production environments typical of the manufacturing industry.

The FEMCO HL-55/2000 is designed to meet the demands of heavy cutting and interrupted cuts, while providing long term accuracies with excellent surface finishes. Stringent manufacturing processes and a rigid design are combined with advanced state of the art technology to give a cost-effective solution to your turning needs.



HL-55/2000

- Design and specifications are subject to change without notice
- Workplace longer than 8.25", Max Turning diameter 17.17"
- Workplace shorter than 8.25", Max Turning diameter 24.21"



HL-55/2500

- Chuck Diameter 15.0"
- Bar Capacity 4.53"
- Max. Turning Dia. 24.21"
- Max. Swing Over Bed 27.95"
- Max. Turning Length 91.33"
- X-Axis Travel 13.39"
- Z-Axis Travel 98.42"
- Spindle Speed 2500 RPM
- Spindle HP 35/30 Gearbox
- Spindle Nose A2-11
- Weight of machine 28, 660 Lbs.
- Programmable Tailstock

HL-55/2500

The FEMCO HL-55/2500 is CNC Turning Center designed for the profitable production of parts up to 24" diameter and having lengths up to 91". The HL-55/2500 features wide Wrap Around Box Ways and a FANUC 35 HP Spindle Motor coupled with a two-speed ZF gearbox providing power and precision for heavy cuts. The HL-55/2500 provides long term accuracy and rigidity in the high production environments typical of the manufacturing industry.

The FEMCO HL-55/2500 is designed to meet the demands of heavy cutting and interrupted cuts, while providing long term accuracies with excellent surface finishes. Stringent manufacturing processes and a rigid design is combined with advanced state of the art technology to give a cost-effective solution to your turning needs.



HL-55/2500

- Design and specifications are subject to change without notice
- Workplace longer than 8.25", Max Turning diameter 17.17"
- Workplace shorter than 8.25", Max Turning diameter 24.21"

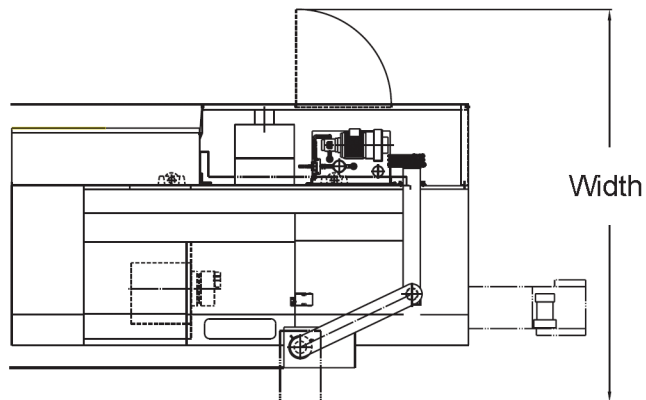
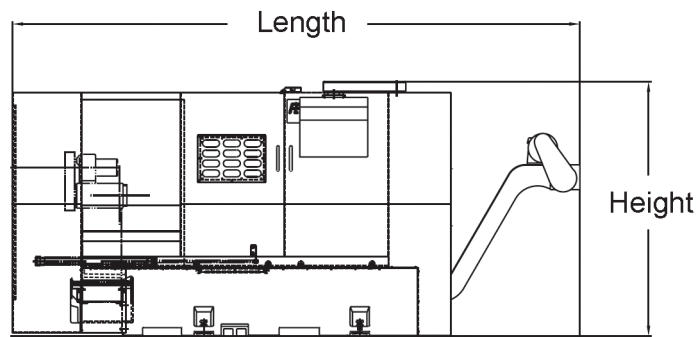


SPECIFICATIONS

CAPACITY:	HL-55NT	HL-55/1250	HL-55/2000	HL-55/2500
Max. Turning Length	N/A	42.12"	71.6"	91.3"
Max. Swing Over Bed	28.62"	28.62"	27.95"	27.95"
Max. Turning Diameter	24.21"	24.21"	24.21"	24.21"
Distance between Centers	N/A	47.24"	75.0"	96.0"
SPINDLE:				
Spindle Speed	2500 RPM	2500 RPM	2500 RPM	2500 RPM
Spindle Nose	A2-11	A2-11	A2-11	A2-11
Hole Through Spindle	5.12"	5.12"	5.12"	5.12"
Bar Capacity	4.53"	4.53"	4.53"	4.53"
Chuck Diameter Standard	15"	15"	15"	15"
Spindle Power	30/35 HP	30/35 HP	30/35 HP	30/35 HP
2 Speed ZF Gearbox	√	√	√	√
TURRET:				
Number of Stations	12	12	12	12
Turning Tool O.D. /I.D.	1.0"/2.0"	1.0"/2.0"	1.0"/2.0"	1.0"/2.0"
X-AXIS:				
X Axis Travel	13.39"	13.39"	13.39"	13.39"
Rapid Traverse X Axis	472" IPM	472" IPM	472" IPM	472" IPM
AC Servo Motor	5.3 HP	5.3 HP	5.3 HP	5.3 HP
Z-AXIS:				
Z Axis Travel	27.5"	43.31"	78.74"	98.42"
Rapid Traverse ZV Axis	630" IPM	630" IPM	630" IPM	630" IPM
AC Servo Motor	9.3 HP	9.3 HP	9.3 HP	9.3 HP
TAILSTOCK:				
Quill Diameter.	N/A	4.72"	4.72"	4.72"
Quill Travel	N/A	4.72"	4.72"	4.72"
Quill Taper	N/A	MT # 5	MT # 5	MT # 5
DIMENSIONS:				
Floor Space (L x W x H)	200" x 123" x 84"	220" x 123" x 84"	240" x 123" x 84"	260" x 123" x 84"
Gross Weight	18,500 Lbs.	19,500 Lbs.	24,250 Lbs.	28,660 Lbs.
Power Requirements:	220 Volts/ 3 Phase 60 Hz, 115 Full Load Amps, 125 Amp Wall Breaker, 55KVA			



Model	Length	Width	Height
HL-55NT	200"	123"	84"
HL-55/1250	220"	123"	84"
HL-55/2000	240"	123"	84"
HL-55/2500	260"	123"	84"





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Service & Parts

Our large Service and Parts staff provide outstanding support to our distributors and customers.

FEMCO Service Engineers come equipped to get your machine up and running as soon as possible. FEMCO USA has a large well stocked parts department.

Applications

Our highly qualified Applications experts offer the following services:

- Personnel Instruction
- Training Services
- Applications Consulting
- Turnkey and Part Processing Services

