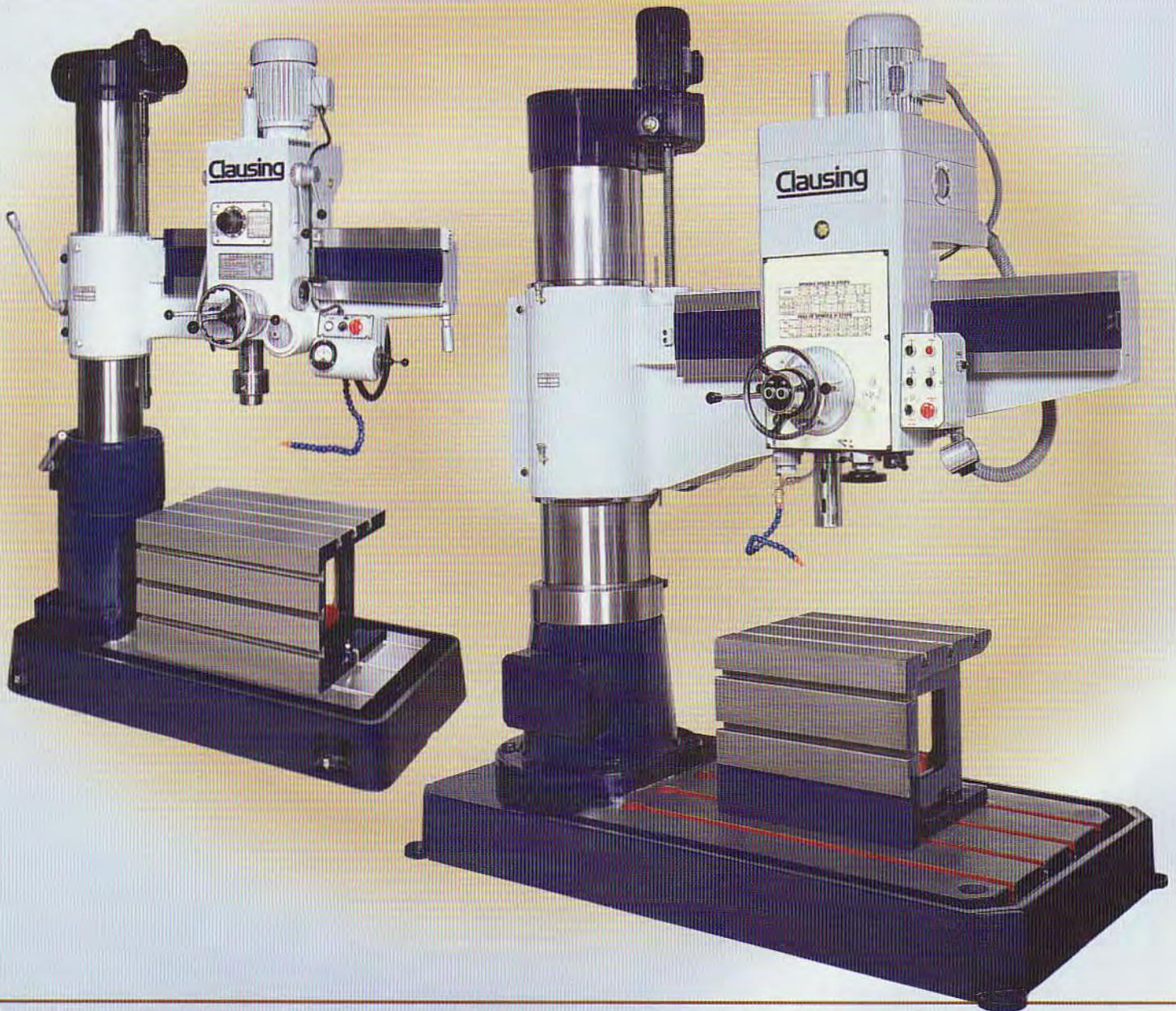


Clausing Radial Drills

Heavy-Duty, Large Capacity Radial Drills



**Drilling capacities up to $2\frac{3}{16}$ " in steel, $2\frac{3}{4}$ " in cast iron,
Tapping capacities up to 2" in steel, $2\frac{3}{8}$ " in cast iron and
Boring capacities up to 5" in steel, $7\frac{3}{8}$ " in cast iron**

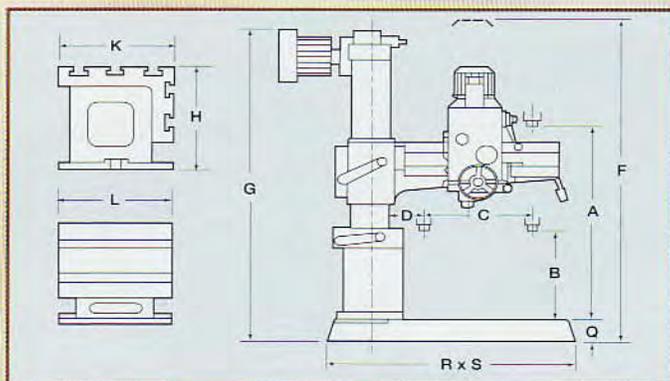
Simply the Best

Clausing Radial Drills

Models
CL720A
CL820A
CL920A



Dimensions:



Capacities:

| Model | CL720A | CL820A | CL920A |
|-----------------------|---------|---------|---------|
| Capacity | | | |
| Drilling In Steel | 1-1/2" | 1-1/2" | 1-1/2" |
| Drilling In Cast Iron | 2" | 2" | 2" |
| Tapping In Steel | 1" | 1" | 1" |
| Tapping In Cast Iron | 1-1/4" | 1-1/4" | 1-1/4" |
| Boring In Steel | 2-3/4" | 2-3/4" | 2-3/4" |
| Boring In Cast Iron | 4-1/16" | 4-1/16" | 4-1/16" |

Features and Standard Equipment:

- Limit safety switch for safe operation
- High speed gears are made of Nickel-Chrome Steel and are heat-treated and ground for durability.
- Powerful 2 Hp spindle drive motor for heavy-duty cutting
- Extra auxiliary dial for spindle feed depth indication, allows review of spindle feed depth, .0394" to 7.874".
- Special spindle balance mechanism, superior to traditional balance mechanism and extends Balance Spring life.
- Coolant System
- Low volt and overload protection
- Tool kit and manuals

Specifications:

| Model | CL720A | CL820A | CL920A |
|--|---|--------------------|--------------------|
| Working Area | | | |
| Column Sleeve Dia (E) | 8-1/4" | 8-1/4" | 8-1/4" |
| Column Face to Spindle Center | | | |
| Maximum (D+C) | 29-1/2" | 33-1/2" | 37-3/8" |
| Minimum (D) | 8-5/8" | 8-5/8" | 8-5/8" |
| Spindle Head Travel (C) | 20-7/8" | 24-7/8" | 28-3/4" |
| Arm Vertical Travel (A-B) | 23-13/16" | 25-9/16" | 25-9/16" |
| Arm Rotation (Right & Left) | 180° | 180° | 180° |
| Base Surface to Spindle End | | | |
| Maximum (A) | 41-3/4" | 47-5/8" | 47-5/8" |
| Minimum (B) | 9-5/8" | 13-3/4" | 13-3/4" |
| Baseplate Working Surface | 35 1/2" x 25 3/16" | 35 1/2" x 25 3/16" | 35 1/2" x 25 3/16" |
| Box Table Area | | | |
| Top (L x K) | 23 5/8" x 17 1/2" | 23 5/8" x 17 1/2" | 23 5/8" x 17 1/2" |
| Side (L x H) | 23 5/8" x 15" | 23 5/8" x 15" | 23 5/8" x 15" |
| Base Dimensions | | | |
| Floor Area (R x S) | 49 5/8" x 25 3/16" | 49 5/8" x 25 3/16" | 49 5/8" x 25 3/16" |
| Height (Q) | 6 9/32" | 6 9/32" | 6 9/32" |
| Drilling Head | | | |
| Spindle Taper | MT#4 | MT#4 | MT#4 |
| Spindle Stroke | 8-1/4" | 8-1/4" | 8-1/4" |
| Quill Diameter | 2.953" | 2.953" | 2.953" |
| Spindle Speeds (rpm) | 88, 154, 282, 455, 796, 1500 (all models) | | |
| Number of Spindle Speeds | 6 | 6 | 6 |
| Spindle Feed Rate (in/rev.) | 0.002", 0.0035", 0.006" (all models) | | |
| Number of Feeds | 3 | 3 | 3 |
| Spindle Drive Motor | 2 hp | 2 hp | 2 hp |
| Elevating Motor | 1 hp | 1 hp | 1 hp |
| Coolant Pump Motor | 1/8 hp | 1/8 hp | 1/8 hp |
| Overall Measurements and Weight | | | |
| Maximum Machine Height (F) | 85-7/16" | 91-3/8" | 91-3/8" |
| Shipping Dim. (LxWxH) | 64" x 32" x 85" | 66" x 32" x 86" | 71" x 32" x 86" |
| Net Weight | 2640 lbs | 2860 lbs | 2970 lbs |
| Shipping Weight | 2970 lbs | 3190 lbs | 3300 lbs |

Clausing Radial Drills

Models CLC1250 CLC1600



Features and Standard Equipment:

- Equipped with hydraulic Step-by-Step clamping system, with proper selection on push button switch. Column, arm, gear box can be clamped/released independently. Very easy to be operated, and tools will always stay at the same point after tools shifting.
- Gears in gear box are cooled by oil cycled by an oil pump to minimize gear wear.
- Friction type disc clutch absorbs impact force caused by vertical movement of spindle, and protects all transmission units inside gear box. With quick spindle return, the clutch will help speed-up the tapping operation.
- Specially designed manual tools ejector (drift). (Automatic tools ejector is optional.)
- Special arm elevating safety device is provided to prevent arm from falling down abruptly after years of usage.
- Speed preselection, speed change is hydraulically actuated. Fast and very easy to operate.
- Coolant System
- Tool kit and manuals

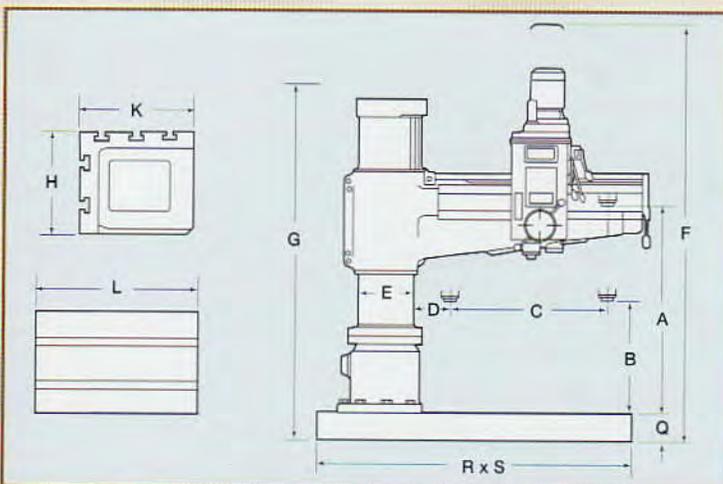
Specifications:

| Model | CLC1250 | CLC1600 |
|-------------------------------|--------------------|----------------------|
| Working Area | | |
| Column Sleeve Dia (E) | 13-3/4" | 13-3/4" |
| Column Face to Spindle Center | | |
| Maximum (D+C) | 49-1/4" | 63" |
| Minimum (D) | 13-3/4" | 13-3/4" |
| Spindle Head Travel (C) | 34-7/16" | 49-1/4" |
| Arm Vertical Travel (A-B) | 34-5/8" | 34-5/8" |
| Arm Rotation (Right & Left) | 180° | 180° |
| Base Surface to Spindle End | | |
| Maximum (A) | 48" | 48" |
| Minimum (B) | 13-3/8" | 13-3/8" |
| Baseplate Working Surface | 55-1/8" x 38-9/16" | 55-1/8" x 38-9/16" |
| Box Table Area | | |
| Top (L x K) | 24-7/8" x 19-5/8" | 24-7/8" x 19-5/8" |
| Side (H x L) | 24-7/8" x 19-5/8" | 24-7/8" x 19-5/8" |
| Base Dimensions | | |
| Floor Area (R x S) | 80" x 38-9/16" | 93-11/16" x 38-9/16" |
| Height | 8-1/16" | 8-1/16" |

| | | |
|-----------------------------|------------------|------------------|
| Drilling Head | | |
| Spindle Taper | MT#5 | MT#5 |
| Spindle Stroke | 12-3/16" | 12-3/16" |
| Quill Diameter | 3.15" | 3.15" |
| Spindle Speeds (rpm) | 25-2000 | 25-2000 |
| Number of Spindle Speeds | 16 | 16 |
| Spindle Feed Rate (in/rev.) | 0.0016" x 0.126" | 0.0016" x 0.126" |
| Number of Feeds | 16 | 16 |
| Spindle Drive Motor | 5 hp | 5 hp |
| Elevating Motor | 2 hp | 2 hp |
| Coolant Pump Motor | 1/8 hp | 1/8 hp |

| | | |
|--|------------------|-------------------|
| Overall Measurements and Weight | | |
| Maximum Machine Height (F) | 110-11/16" | 110-11/16" |
| Shipping Dim. (LxWxH) | 88" x 48" x 100" | 102" x 48" x 100" |
| Net Weight | 6,600 lbs | 7,700 lbs |
| Shipping Weight | 7,788 lbs | 9,020 lbs |

Dimensions:



Capacities:

| Model | CLC1250 | CLC1600 |
|-----------------|---------|---------|
| Capacity | | |
| Drilling | | |
| In Steel | 2" | 2" |
| In Cast Iron | 2-3/8" | 2-3/8" |
| Tapping | | |
| In Steel | 1-3/4" | 1-3/4" |
| In Cast Iron | 2-1/8" | 2-1/8" |
| Boring | | |
| In Steel | 4-1/4" | 4-1/4" |
| In Cast Iron | 6-1/2" | 6-1/2" |

Clausing Radial Drills

Model CL1600H



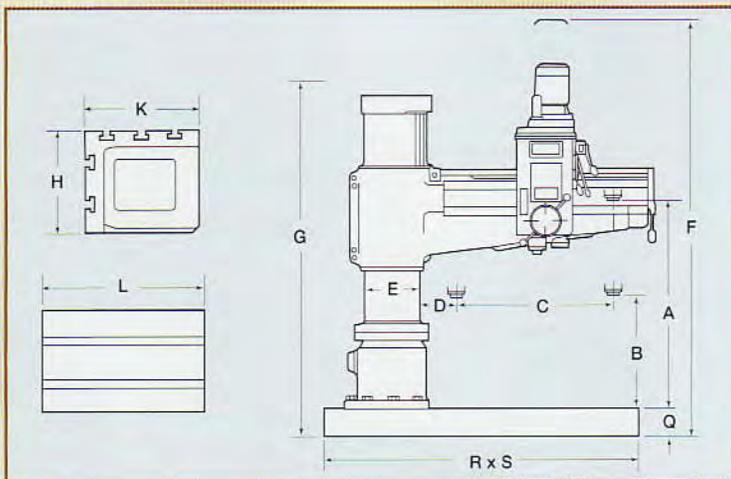
Features and Standard Equipment:

- Equipped with hydraulic SEPARATE clamping unit. Vertical movement of arm is coordinated by an IC TIMER. With a single touch on push button switch, you can have arm unclamped then move vertically, or stop then clamp automatically. Very easy to operate, and tools will always stay at the same point after tool shifting.
- Gears in gear box are cooled by oil cycled by an oil pump to minimize gear wear.
- Friction type disc clutch absorbs impact force caused by vertical movement of spindle, and protects all transmission units inside gear box. With quick spindle return, the clutch will help speed-up the tapping operation.
- Special automatic tool eject device is supplied to allow you to change tools quickly. (No drifter is required)
- Special arm elevating safety device is provided to prevent arm from falling down abruptly after years of usage.
- Coolant System
- Tool kit and manuals

Specifications:

| Model | CL1600H |
|--|---------------------|
| Working Area | |
| Column Sleeve Dia. (E) | 17" |
| Column Face to Spindle Center | |
| Maximum (D+C) | 62-5/8" |
| Minimum (D) | 15-3/8" |
| Spindle Head Travel (C) | 47-1/4" |
| Arm Vertical Travel (A-B) | 35-7/16" |
| Arm Rotation (Right & Left) | 180° |
| Base Surface to Spindle End | |
| Maximum (A) | 63" |
| Minimum (B) | 13" |
| Baseplate Working Surface | 70-7/8" x 40-3/8" |
| Box Table Area | |
| Top (L x K) | 27-5/8" x 19-5/8" |
| Side (H x L) | 27-5/8" x 15-3/4" |
| Base Dimensions | |
| Floor Area (R x S) | 97-5/8" x 41-11/32" |
| Height (Q) | 8-1/4" |
| Drilling Head | |
| Spindle Taper | MT#5 |
| Spindle Stroke | 14-9/16" |
| Quill Diameter | 3.937" |
| Spindle Speeds (rpm) | 40-1920 |
| Number of Spindle Speeds | 12 |
| Spindle Feed Rate (in/rev.) | 0.0028" x 0.378" |
| Number of Feeds | 6 |
| Spindle Drive Motor | 7.5 hp |
| Elevating Motor | 2 hp |
| Clamping Motor | 1 hp |
| Coolant Pump Motor | 1/8 hp |
| Overall Measurements and Weight | |
| Maximum Machine Height (F) | 124-13/16" |
| Shipping Dim. (LxWxH) | 112" x 57" x 115" |
| Net Weight | 10,130 lbs |
| Shipping Weight | 10,790 lbs |

Dimensions:

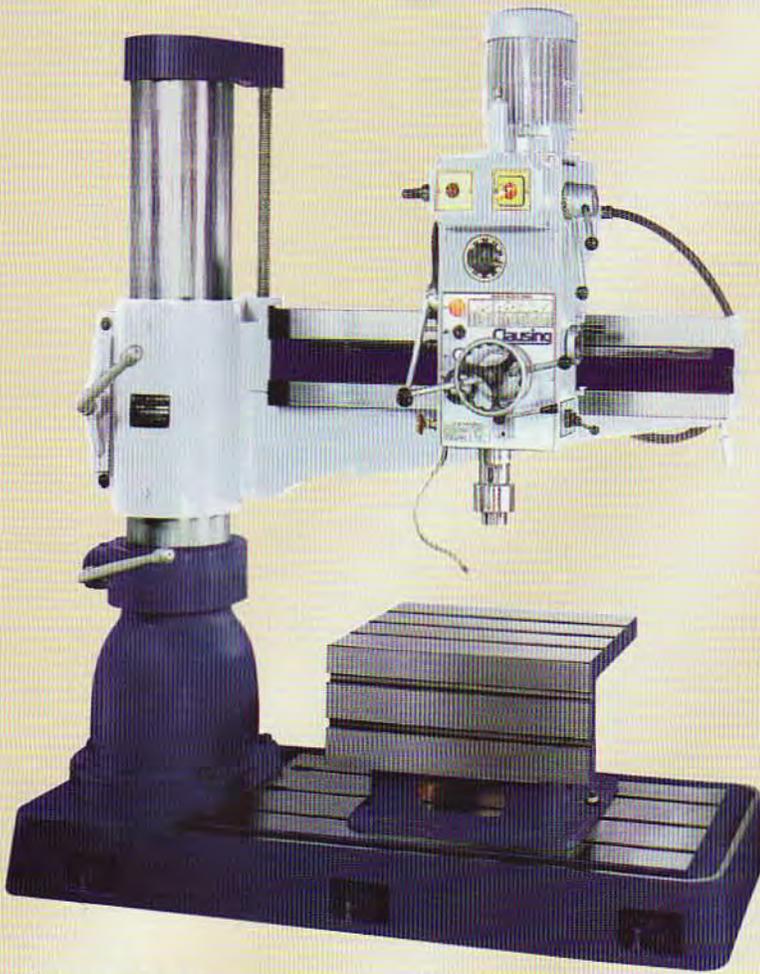


Capacities:

| Model | CL1600H |
|-----------------|---------------------|
| Capacity | |
| Drilling | In Steel 2-3/16" |
| | In Cast Iron 2-3/4" |
| Tapping | In Steel 2" |
| | In Cast Iron 2-3/8" |
| Boring | In Steel 5" |
| | In Cast Iron 7-3/8" |

Clausing Radial Drills

Models CL1100 CL1230H

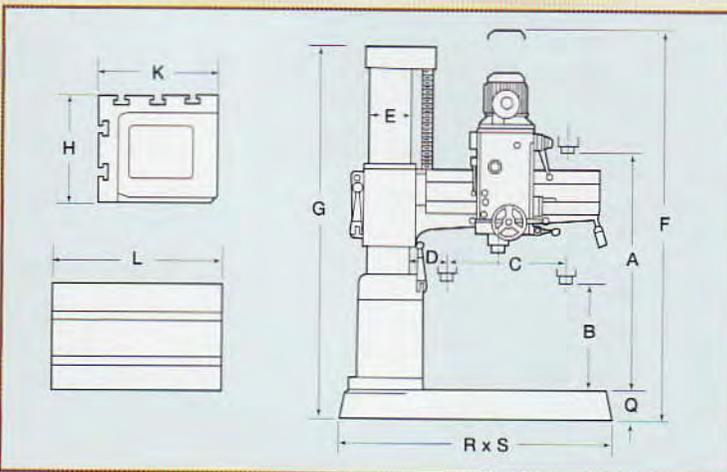


Features and Standard Equipment:

- High-quality cast-iron arm with heat-treated and ground slides for smooth and accurate head positioning.
- The bearing bracket of gear-box is fitted with standard bearings to fit arm slide for smooth gear-box operation.
- High speed gears are made of Nickel-Chrome Steel and are heat-treated and ground for durability.
- Powerful 3 Hp, 2-speed, heavy-duty spindle drive motor.
- Overload protection device for operator safety
- The main spindle is balanced by a specially shaped spring on model CL1100 and by an adjustable block on model CL1230H.
- Coolant System
- Low volt and overload protection
- Model CL1230H is equipped with hydraulic clamping. With a push of a button you can have arm unclamped then move vertically, or stop then clamp automatically.
- Tool kit and manuals

Specifications:

Dimensions:



| Model | CL1100 | CL1230H |
|-------------------------------|-------------------|---------------------|
| Working Area | | |
| Column Sleeve Dia (E) | 10-1/4" | 11-3/16" |
| Column Face to Spindle Center | | |
| Maximum (D+C) | 43-5/16" | 48-7/16" |
| Minimum (D) | 9-5/8" | 13-3/8" |
| Spindle Head Travel (C) | 33-5/8" | 35" |
| Arm Vertical Travel (A-B) | 24" | 34-5/8" |
| Arm Rotation (Right & Left) | 180° | 180° |
| Base Surface to Spindle End | | |
| Maximum (A) | 50-3/8" | 54" |
| Minimum (B) | 17" | 19-3/8" |
| Baseplate Working Surface | 48" x 28-1/8" | 48" x 28-1/8" |
| Box Table Area | | |
| Top (L x K) | 25" x 20-1/2" | 25" x 20-1/2" |
| Side (H x L) | 25" x 16-5/16" | 25" x 16-3/8" |
| Base Dimensions | | |
| Floor Area (R x S) | 67-7/8" x 28-1/8" | 67-1/16" x 27-1/16" |
| Height (Q) | 7-1/16" | 6-1/2" |

Capacities:

| Model | CL1100 | CL1230H |
|-----------------|---------|---------|
| Capacity | | |
| Drilling | | |
| In Steel | 1-5/8" | 1-5/8" |
| In Cast Iron | 2-3/16" | 2-3/16" |
| Tapping | | |
| In Steel | 1" | 1" |
| In Cast Iron | 1-1/2" | 1-1/2" |
| Boring | | |
| In Steel | 3-3/8" | 3-3/8" |
| In Cast Iron | 4-3/4" | 4-3/4" |

| Drilling Head | | |
|-----------------------------|-------------------------|-------------------------|
| Spindle Taper | MT#4 | MT#4 |
| Spindle Stroke | 9" | 9-7/8" |
| Quill Diameter | 3.15" | 3.15" |
| Spindle Speeds (rpm) | 44-1500 | 44-1500 |
| Number of Spindle Speeds | 12 | 12 |
| Spindle Feed Rate (in/rev.) | 0.002", 0.004" & 0.006" | 0.002", 0.004" & 0.006" |
| Number of Feeds | 3 | 3 |
| Spindle Drive Motor | 3 hp/2 speed | 3 hp/2 speed |
| Elevating Motor | 1 hp | 1 hp |
| Coolant Pump Motor | 1/8 hp | 1/8 hp |

| Overall Measurements and Weight | | |
|--|-----------------|-----------------|
| Maximum Machine Height (F) | 100" | 109-1/2" |
| Shipping Dim. (LxWxH) | 74" x 34" x 87" | 80" x 39" x 88" |
| Net Weight | 3,968 lbs | 4630 lbs |
| Shipping Weight | 4,300 lbs | 4960 lbs |

Clausing Service Center



The Clausing Service Center

Only Clausing maintains a separate Service Center designed solely to support our customers' parts and service needs! Located in Goshen, Indiana, this facility has served as an invaluable resource since 1974.

Over 47,000 Parts

With thousands of parts in our inventory, the Clausing Service Center can provide replacement parts for machines you may have purchased thirty years ago! Lathes, drill presses, sheet metal fabricating equipment... all Clausing products are backed by the friendly and resourceful staff of our Customer Service Department.

95% of all parts orders are shipped within 24 hours!

In this modern age, of course, computers have brought exceptional speed and efficiency to our department. When a customer calls with a problem, our Customer Service Department can check stock immediately and initiate the shipping order while the customer is still on the phone. Within minutes, the parts order can be picked and delivered to the Shipping Department for packing and shipment. RUSH orders get top priority... we know our customers can't afford downtime!

Service

In addition to supplying the parts that keep all our customers' equipment running, the Service Center has its own staff of highly-qualified service technicians... and they're available to solve problems all across the country.

Regular service schools are conducted for dealer personnel, to review new products and to insure that each Clausing dealer has a highly-trained service staff.

At Clausing, we're committed to service after the sale... and the Clausing Service Center demonstrates that commitment. That's the Clausing Difference.

For parts and service, please call the Clausing Service Center.

(574) 533-0371

e-mail: info@clausingsc.com



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