Perfect Binder BQ-270C

**Machine Dimensions and Installation Space (Unit : mm [inch])**
- **Height :** 1,500 (59.1"

**BQ-270C Major Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Carriage Clamps</td>
<td>1</td>
</tr>
<tr>
<td>Book Block Size (Top-Bottom x Fore-edge)</td>
<td>Max. 320 x 320 mm (12.5&quot; x 12.5&quot;)</td>
</tr>
<tr>
<td>Min. 135 x 105 mm (5.32&quot; x 4.17&quot;)</td>
<td></td>
</tr>
<tr>
<td>Book Thickness</td>
<td>1 to 50 mm (0.04&quot; to 2.00&quot;)</td>
</tr>
<tr>
<td>Cover Size (Top-Bottom x Fore-edge)</td>
<td>Max. 320 x 660 mm (12.59&quot; x 25.98&quot;)</td>
</tr>
<tr>
<td>Min. 135 x 230 mm (5.32&quot; x 9.06&quot;)</td>
<td></td>
</tr>
<tr>
<td>Cover Weight Range</td>
<td>82 to 302 gsm (22 to 80 lb)</td>
</tr>
<tr>
<td>Max. 70 mm (2.7&quot;)</td>
<td></td>
</tr>
<tr>
<td>Cycle Speed</td>
<td>82 to 302 gsm (22 to 80 lb)</td>
</tr>
<tr>
<td>Voltage / Frequency</td>
<td>3-Phase 200 / 220 / 230 / 240 / 400 V, 50 / 60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>3-Phase 200 V, 50 Hz, 10 A (Max. 15 A)</td>
</tr>
<tr>
<td>Heat Output</td>
<td>3-Phase 220 / 230 / 240 V, 50 Hz, 9.7 A (Max. 12.8 A)</td>
</tr>
<tr>
<td>Noise Level</td>
<td>7,870 kJ (1,880 kcal)</td>
</tr>
<tr>
<td>Transformer</td>
<td>2.2 kW x 1, 250 W x 1, 235 W x 1, 200 W x 4, 60 W x 1, 25 W x 1</td>
</tr>
<tr>
<td>Machine Weight</td>
<td>2.2 kW x 1</td>
</tr>
<tr>
<td>Main Body : 900 kg (1,984.5 lb)</td>
<td></td>
</tr>
<tr>
<td>Transformer : 80 kg (176.4 lb)</td>
<td></td>
</tr>
</tbody>
</table>

**Options**

- **Smoke Extractor: VS-270II**
  - The strong blower provides constant fume extractions for a comfortable operating environment.

- **Weekly Timer: T-270**
  - T-270 weekly timer automatically switches power on at pre-set times for quick make-ready. Time and day of the week can be set.

- **Delivery Conveyor: DV-270**
  - The DV-270 high profile delivery unit is available for operator convenience. The conveyor lifts the books to a convenient height for easy unloading.

*The machine design and specifications are subject to change without any notice.*

**BQ-270C Major Specifications**

<table>
<thead>
<tr>
<th>Binding Mode</th>
<th>Number of Carriage Clamp</th>
<th>Book Block Size (Top-Bottom x Fore-edge)</th>
<th>Cover Size (Top-Bottom x Fore-edge)</th>
<th>Cover Weight Range</th>
<th>Warm up Time</th>
<th>Glue Temperature</th>
<th>Maximum Milling Depth</th>
<th>Cycle Speed</th>
<th>Voltage / Frequency</th>
<th>Rated Current</th>
<th>Power Consumption</th>
<th>Heat Output</th>
<th>Motors</th>
<th>Heaters</th>
<th>Machine Dimensions</th>
<th>Noise Level</th>
<th>Machine Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binding with milling</td>
<td>1</td>
<td>Max. 320 x 320 mm (12.5&quot; x 12.5&quot;)</td>
<td>Min. 135 x 105 mm (5.32&quot; x 4.17&quot;)</td>
<td>1 to 50 mm (0.04&quot; to 2.00&quot;)</td>
<td>60 min.</td>
<td>120 to 180 °C (248 to 356 degrees Fahrenheit)</td>
<td>3 mm (0.12&quot;)</td>
<td>With milling Max. 500 cycles/hr.</td>
<td>3-Phase 200 V, 50 Hz, 10 A (Max. 15 A)</td>
<td>3-Phase 200 V, 50 Hz, 10 A (Max. 15 A)</td>
<td>7,870 kJ (1,880 kcal)</td>
<td>2.2 kW x 1, 250 W x 1, 235 W x 1, 200 W x 4, 60 W x 1, 25 W x 1</td>
<td>2.2 kW x 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Binding without milling and Padding</td>
<td>1</td>
<td>Max. 320 x 320 mm (12.5&quot; x 12.5&quot;)</td>
<td>Min. 135 x 230 mm (5.32&quot; x 9.06&quot;)</td>
<td>1 to 50 mm (0.04&quot; to 2.00&quot;)</td>
<td>60 min.</td>
<td>120 to 180 °C (248 to 356 degrees Fahrenheit)</td>
<td>3 mm (0.12&quot;)</td>
<td>Without milling Max. 500 cycles/hr.</td>
<td>3-Phase 200 V, 50 Hz, 10 A (Max. 15 A)</td>
<td>3-Phase 200 V, 50 Hz, 10 A (Max. 15 A)</td>
<td>7,870 kJ (1,880 kcal)</td>
<td>2.2 kW x 1, 250 W x 1, 235 W x 1, 200 W x 4, 60 W x 1, 25 W x 1</td>
<td>2.2 kW x 1</td>
<td></td>
<td></td>
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<table>
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<th>Feature</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Height : 1,500 (59.1&quot;)</td>
<td>- - - Leveling Bolt Set Position</td>
</tr>
<tr>
<td>Width : 2,600 (102.4&quot;)</td>
<td></td>
</tr>
<tr>
<td>Depth : 1,860 (73.3&quot;)</td>
<td></td>
</tr>
<tr>
<td>550 (21.7&quot;)</td>
<td></td>
</tr>
<tr>
<td>500 (19.7&quot;)</td>
<td></td>
</tr>
<tr>
<td>500 (19.7&quot;)</td>
<td></td>
</tr>
<tr>
<td>500 (19.7&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

**Perfect Binder BQ-270C**

Distributed by:

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*The machine design and specifications are subject to change without any notice.*
State-of-the-art Technology for improved binding quality and increased operating efficiency.

- Horizon expertise in binding and advanced automation combine to allow even low-skilled operators to produce professional quality books with sharp, square spines, from the first book to last.
- All set-up is completed in less than one minute by inputting the necessary information through the 10.4 inch color touchscreen. Changeover from A4 to A5 takes about 10 seconds.
- Produce books up to 50 mm (2.0") thick at a maximum speed of 500 cycles per hour.
- Strong, rigid nipping and cover scoring stations are comparable to larger industrial book binders, for strong, accurate binding.
- User-friendly operation and precision automation achieve short set-ups and make-readies. The BQ-270C contributes to environmentally friendly production with minimal spoilage.
- Every book can be a different thickness, for true On Demand book production. Optional thickness caliper SI-270C provides even greater production efficiency.
- The BQ-270C can be enhanced with the optional Horizon i2i JDF network flow system to optimize bindery workflows.

Easy, intuitive operation require no special operator skills to achieve superior quality from the first book.

1. Color Touchscreen
   - The graphical icon-based touchscreen provides for quick and easy set-up. Almost all settings, including fine adjustments, can be set through the touchscreen.

2. Carriage Clamp
   - The clamp opening is automatically adjusted to the input book thickness. Just place a book into the clamp to start binding. The safety beam insures operator safety.

3. Delivery Section
   - The finished books are delivered to a vertical stacker located just below the book loading station. This allows a single operator to easily check the quality of finished books while continuing production.

4. Suction Cover Feeder
   - The advanced rotary suction feed system insures fast, smooth feeding of various stock types. Even sensitive stock and digitally imaged covers are fed without any marking.

5. Cover Feed Table
   - The top-feed cover station accommodates in-line scoring. Up to 70 mm (2.7") of cover stock can be loaded for operator efficiency and longer run length capability.

6. Cover Scoring
   - Scoring positions are automatically set to the input thickness. Scoring depth is easily adjusted to accommodate a wide range of cover stocks and thickness. This insures a professional bind quality with sharp, square spine corners.

7. Cover Registration
   - Top and bottom transport belts provide stable transportation of various cover types, and high-precision jog mechanisms register the cover securely for consistent, accurate binding.

8. Milling Section
   - The rotary milling and roughening blades mill the spine of a book block up to 50 mm (2.0") thick, for optimum glue penetration and adherence. Milling depth can be adjusted from 0 to 3 mm (0" to 0.12").

9. Glue Tank
   - Dual application rollers and side gluing rollers ensure superior glue application to the spine for quality binding. The amount of glue applied and glue length can be adjusted through the color touchscreen.

10. Nipping Section
    - A strong, rigid nipping mechanism ensures binding quality equivalent with commercial-duty binding systems. Operators can select binding with or without milling and adjust the nipping height to achieve desired spine formation.
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- User-friendly operation and precision automation achieve short set-ups and make-readies. The BQ-270C contributes to environmentally friendly production with minimal spoilage.
- Every book can be a different thickness, for true On Demand book production. Optional thickness caliper SI-270C provides even greater production efficiency.
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4. Suction Cover Feeder
   - The advanced rotary suction feed system insures fast, smooth feeding of various stock types. Even sensitive stock and digitally imaged covers are fed without any marking.

Book titles are accurately positioned on the spine. Professional quality book production with cover scoring.

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Strong and beautiful quality book... The quality is equivalent with commercial size binding system.

9. Glue Tank
   - Dual application rollers and side gluing rollers ensure superior glue application to the spine for quality binding. The amount of glue applied and glue length can be adjusted through the color touchscreen.

10. Nipping Section
    - A strong, rigid nipping mechanism ensures binding quality equivalent with commercial-duty binding systems. Operators can select binding with or without milling and adjust the nipping height to achieve desired spine formation.

Every book can be a different thickness, for true On Demand book production. Optional thickness caliper SI-270C provides even greater production efficiency.

The BQ-270C can be enhanced with the optional Horizon i2i JDF network flow system to optimize bindery workflows.

Printed by Horizon BQ-270C Perfect Binder
**Options**

- **Book Thickness Caliper: SI-270C**
  The SI-270C book thickness caliper provides ultra-short make-ready. Book thickness can be adjusted automatically while the binder is cycling, to allow true On Demand book production.

- **Smoke Extractor: VS-270II**
  The strong blower provides constant fume extractions for a comfortable operating environment.

- **Weekly Timer: T-270**
  T-270 weekly timer automatically switches power on at pre-set times for quick make-ready. Time and day of the week can be set.

- **Delivery Conveyor: DV-270**
  The DV-270 high profile delivery unit is available for operator convenience. The conveyor lifts the books to a convenient height for easy unloading.

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**BQ-270C Major Specifications**

**Binding Unit**

- **Number of Carriage Clamp**
- **Book Block Size**
- **Book Finish**

**Cover Size**

- **Top-cover and Fore-edge**
  - Max. 320 x 320 mm (12.5" x 12.5")
  - Min. 135 x 105 mm (5.4" x 4.2")

- **Medium Finish Height**
  - Max. 180 mm (7.1")

**Cycle Speed**

- **Voltage / Frequency**
  - 3-Phase 200 / 220 / 230 / 240 / 400 V, 50 / 60 Hz

**Power Consumption**

- **Total**
  - 3-Phase 200 V, 50 Hz, 10 A (Max. 15 A)
  - 3-Phase 220 / 230 / 240 V, 50 Hz, 9.7 A (Max. 12.8 A)
  - 3-Phase 400 V, 50 Hz, 5.6 A (Max. 9 A)
  - 3-Phase 400 V, 60 Hz, 5.1 A (Max. 6.4 A)

**Machine Dimensions and Installation Space** (Unit: mm)

- **Height**
  - 1,700 (67.0")

**Noise Level**

- **Main Body**: 90 dB
- **Transformer**: 83.3 dB, LAeq: 74.0 dB

**Machine Weight**

- **Main Body**: 900 kg (1,984.5 lb)
- **Transformer**: 80 kg (176.4 lb)

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