SUPERPAC
6 AT A TIME

INSTALLATION
466371F9901

SEPTEMBER 2000 • US$250
# SUPERPAC

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SAFETY BULLETIN

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many of your shop practices may not reflect current safety practices and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

IMPORTANT

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

- Always be sure proper guarding is in place for all pinch, catch, shear, crush and nip points.
- Always make sure that all personnel are clear of the equipment before starting it.
- Always be sure the equipment is properly grounded.
- Always turn the main electrical panel off and lock it out in accordance with published lockout/tag-out procedures prior to making adjustments, repairs, and maintenance.
- Always wear appropriate protective equipment like safety glasses, safety shoes, hearing protection and hard hats.
- Always keep chemical and flammable material away from electrical or operating equipment.
- Always maintain a safe work area that is free from slipping and tripping hazards.
- Always be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.
- Never exceed the rated capacity of a machine or tool.
- Never modify machinery in any way without prior written approval of the Besser Engineering Department.
- Never operate equipment unless proper maintenance has been regularly performed.
- Never operate any equipment if unusual or excessive noise or vibration occurs.
- Never operate any equipment while any part of the body is in the proximity of potentially hazardous areas.
- Never use any toxic flammable substance as a solvent cleaner.
- Never allow the operation or repair of equipment by untrained personnel.
- Never climb or stand on equipment when it is operational.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.
## SAFETY SIGNS

<table>
<thead>
<tr>
<th>Sign</th>
<th>Description</th>
<th>Required</th>
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<tbody>
<tr>
<td>1</td>
<td>Electric Motor</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>All Machines, All Panels</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Mixer</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Block Machine, SF-7 Cuber, BTO-6, Overhead Block Transfer, Depalleter, AF-7 Block Pusher</td>
<td>1, 8, 2, 3, 2</td>
</tr>
<tr>
<td>5</td>
<td>Concrete Products Machine</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Concrete Products Machine</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Concrete Products Machine</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Besser-Matic</td>
<td>4</td>
</tr>
<tr>
<td>9</td>
<td>Besser-Matic</td>
<td>4</td>
</tr>
<tr>
<td>10</td>
<td>Pallet Transport System</td>
<td>4</td>
</tr>
<tr>
<td>11</td>
<td>LSC-40A, Overhead Block Transfer</td>
<td>4</td>
</tr>
<tr>
<td>12</td>
<td>Conveyors</td>
<td>6</td>
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<tr>
<td>13</td>
<td>SF-7 Cuber, AF-7 Block Pusher</td>
<td>8, 2</td>
</tr>
<tr>
<td>14</td>
<td>Pallet Transport System</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>All Machines, All Panels</td>
<td>1</td>
</tr>
<tr>
<td>16</td>
<td>SF-7 Cuber, AF-7 Block Pusher, Slat Conveyors</td>
<td>3, 2, 2</td>
</tr>
</tbody>
</table>

To order safety decals, contact your local Besser representative or the Besser Central Order Department. Thank you!
1. Large 113236F0409
   High Voltage
   Width 4 1/2 inch
   Height 9 5/8 inch

2. Small 113236F0204
   High Voltage
   Width 2 inch
   Height 4 1/8 inch

3. 113237F0410
   Mixer Blade Hazard
   Width 4 1/2 inch
   Height 1/4 inch

4. 114692F1006
   Nip Points
   Width 5 3/4 inch
   Height 9 1/2 inch

5. 114688F0906
   Crush Hazard
   Width 6 1/4 inch
   Height 9 1/2 inch

6. 114689F0804
   Fall Hazard
   Width 4 1/2 inch
   Height 7 3/4 inch
Safety Signs

SUPERPAC
INSTALLATION MANUAL

114690F0805
Falling Objects
Width 4 3/4 inch
Height 8 inch

114691F1006
Shear and Fall Hazards
Width 5 3/4 inch
Height 9 3/4 inch

113242F0409
Crush Hazard
Width 4 1/2 inch
Height 9 5/8 inch

113245F0704
Crush Hazard
Vertical: Width 4 1/8 inch
Vertical: Height 7 inch
Horizontal: Width 10 inch
Horizontal: Height 5 3/4 inch

113243F0410
Falling Objects
Width 4 1/2 inch
Height 10 inch

113245F0410
Safety instructions decal-
Suggested Lock-out procedure
Width 4 inch
Height 10 inch
113238F1005
Crush Hazard
Width 10 inch
Height 5 3/4 inch

113239F0604
Crush Hazard
Width 6 5/8 inch
Height 4 inch

113241F0605
Crush and Pinch Points
Width 6 5/8 inch
Height 4 inch

113246F0704
Nip Hazard
Width 7 inch
Height 4 1/2 inch

113247F1006
Crush Hazard
Width 10 inch
Height 6 inch

113250F1006
Crush and Pinch Points Hazard
Width 10 inch
Height 6 inch
**SPECIFICATIONS**

**TOTAL WEIGHT:** 67,800 Lbs [30754 Kg]

**MAXIMUM MOLD WEIGHT:** 6,000 Lbs [2727 Kg]

**AIR LINE FITTING DIMENSIONS:** 3/4" [19mm] I.D.

**MINIMUM AIR PRESSURE:** 80 psi [5.5 bars]

**NOISE RATING:** 102 to 114 DBA

**MACHINE SPEED:** up to 9 cycles / minute

**PRODUCTION CAPACITY:** up to 3240 blocks / hour

**MINIMUM PRODUCT SIZE REQUIREMENT:** 2" high [51mm]

**MAXIMUM PRODUCT SIZE REQUIREMENT:** 12" high [304.8mm]

**PALLET REQUIREMENTS:**

\[
\text{WIDTH} \quad \text{DEPTH} \quad \text{THICK.} \quad \text{X} \quad \text{Y} \quad \text{PALLET NO.}
\]

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>DEPTH</th>
<th>THICK.</th>
<th>X</th>
<th>Y</th>
<th>PALLET NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.0&quot; [1067mm]</td>
<td>20.5&quot; [521mm]</td>
<td>.625&quot; [16mm]</td>
<td>41.0&quot; [1041mm]</td>
<td>19.5&quot; [495mm]</td>
<td>470750F0021</td>
</tr>
<tr>
<td>52.0&quot; [1321mm]</td>
<td>18.5&quot; [470mm]</td>
<td>.625&quot; [16mm]</td>
<td>51.0&quot; [1295mm]</td>
<td>17.5&quot; [445mm]</td>
<td>470750F0022</td>
</tr>
<tr>
<td>52.0&quot; [1321mm]</td>
<td>19.5&quot; [495mm]</td>
<td>.625&quot; [16mm]</td>
<td>51.0&quot; [1295mm]</td>
<td>18.5&quot; [470mm]</td>
<td>470750F0023</td>
</tr>
<tr>
<td>52.0&quot; [1321mm]</td>
<td>20.5&quot; [521mm]</td>
<td>.625&quot; [16mm]</td>
<td>51.0&quot; [1295mm]</td>
<td>19.5&quot; [495mm]</td>
<td>470750F0024</td>
</tr>
<tr>
<td>55.0&quot; [1397mm]</td>
<td>18.5&quot; [470mm]</td>
<td>.625&quot; [16mm]</td>
<td>54.0&quot; [1372mm]</td>
<td>17.5&quot; [445mm]</td>
<td>470750F0025</td>
</tr>
<tr>
<td>55.0&quot; [1397mm]</td>
<td>20.5&quot; [521mm]</td>
<td>.625&quot; [16mm]</td>
<td>54.0&quot; [1372mm]</td>
<td>19.5&quot; [495mm]</td>
<td>470750F0026</td>
</tr>
<tr>
<td>42.0&quot; [1067mm]</td>
<td>18.5&quot; [470mm]</td>
<td>.625&quot; [16mm]</td>
<td>41.0&quot; [1041mm]</td>
<td>17.5&quot; [445mm]</td>
<td>470750F0027</td>
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<td>18.5&quot; [470mm]</td>
<td>.625&quot; [16mm]</td>
<td>51.0&quot; [1295mm]</td>
<td>17.5&quot; [445mm]</td>
<td>470750F0028</td>
</tr>
<tr>
<td>52.0&quot; [1321mm]</td>
<td>20.5&quot; [521mm]</td>
<td>.625&quot; [16mm]</td>
<td>51.0&quot; [1295mm]</td>
<td>19.5&quot; [495mm]</td>
<td>470750F0029</td>
</tr>
</tbody>
</table>

**THICKNESS TOLERANCE:** -0.010" [0.25mm] / +0.030" [0.76mm]

Table A STEEL PALLET SPECIFICATIONS.
### SUPERPAC ELECTRICAL DATA

<table>
<thead>
<tr>
<th>PLANT POWER SUPPLY (VOLTS)</th>
<th>TOTAL HORSEPOWER (HP)</th>
<th>TOTAL KW (Kw)</th>
<th>CONTROL PANEL TRANSFORMER (VOLT-AMPS)</th>
<th>BRANCH CIRCUIT DISTRIBUTION SWITCH (AMPS)</th>
<th>BRANCH CIRCUIT FUSE FRS-R (AMPS)</th>
<th>BRANCH CIRCUIT FEEDER THHN</th>
<th>BRANCH CIRCUIT FEEDER CONDUIT</th>
<th>SHORT CIRCUIT INTERRUPTING CAPACITY (AIC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>220V-240V 50/60 Hz</td>
<td>50.5</td>
<td>37.6</td>
<td>1500</td>
<td>200</td>
<td>200</td>
<td>2 AWG 67.5mm²</td>
<td>1.5 IN. 38MM</td>
<td>200,000</td>
</tr>
<tr>
<td>380V 50 Hz</td>
<td>50.5</td>
<td>37.6</td>
<td>1500</td>
<td>200</td>
<td>150</td>
<td>2 AWG 33.6mm²</td>
<td>1.0 IN. 25MM</td>
<td>200,000</td>
</tr>
<tr>
<td>415V 50 Hz</td>
<td>50.5</td>
<td>37.6</td>
<td>1500</td>
<td>200</td>
<td>125</td>
<td>3 AWG 26.7mm²</td>
<td>1 IN. 25MM</td>
<td>200,000</td>
</tr>
<tr>
<td>440V-480V 50/60 Hz</td>
<td>50.5</td>
<td>37.6</td>
<td>1500</td>
<td>100</td>
<td>100</td>
<td>4 AWG 21.6mm²</td>
<td>1 IN. 25MM</td>
<td>200,000</td>
</tr>
<tr>
<td>575V 60 Hz</td>
<td>50.5</td>
<td>37.6</td>
<td>1500</td>
<td>100</td>
<td>80</td>
<td>6 AWG 13.3mm²</td>
<td>0.75 IN. 20MM</td>
<td>200,000</td>
</tr>
</tbody>
</table>

Table B  SUPERPAC ELECTRICAL DATA.

Please consult the table above to find the appropriate electrical data for your SUPERPAC. First, find your corresponding plant power supply in the first left column. You will then find the corresponding electrical data on the same row than your power plant supply.

**EX:** Your power plant supply is 460V at 60 Hz. According to the table, you will then get these values:

**PLANT POWER SUPPLY:** 460 Volts - 60 Hertz

**TOTAL HORSEPOWER:** 50.5

**TOTAL KW:** 37.6

**CONTROL PANEL TRANSFORMER:** 1500 volt-amps

**BRANCH CIRCUIT DISTRIBUTION SWITCH:** 100 amp

**BRANCH CIRCUIT FUSE RECOMMENDED (FRS-R):** 100 amp

**BRANCH CIRCUIT FEEDER RECOMMENDED (THHN):** 4 AWG (21.6mm²)

**BRANCH CIRCUIT FEEDER CONDUIT RECOMMENDED:** 1 in.(25mm)

**SHORT CIRCUIT INTERRUPTING CAPACITY:** 200,000 AIC
OVERALL DIMENSIONS:
### SUMMARY OF ACOUSTICS

<table>
<thead>
<tr>
<th>Files #</th>
<th>MEM #</th>
<th>Freq.</th>
<th>Condition</th>
<th>Distance</th>
<th>Overall C</th>
<th>Overall A</th>
<th>&lt; 550Hz C</th>
<th>&lt; 550Hz A</th>
<th>&gt; 550Hz C</th>
<th>&gt; 550Hz A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>+</td>
<td>1/21</td>
<td>5 kHz</td>
<td>Start of cycle</td>
<td>0.5m</td>
<td>112</td>
<td>111</td>
<td>109</td>
<td>100</td>
<td>110</td>
</tr>
<tr>
<td>2.</td>
<td>+</td>
<td>2/22</td>
<td>5 kHz</td>
<td>End of cycle</td>
<td>0.5m</td>
<td>116</td>
<td>114</td>
<td>112</td>
<td>105</td>
<td>113</td>
</tr>
<tr>
<td>3.</td>
<td>+</td>
<td>3/23</td>
<td>5 kHz</td>
<td>Start of cycle</td>
<td>0.5m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>+</td>
<td>4/24</td>
<td>1 kHz</td>
<td>End of cycle</td>
<td>0.5m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>+</td>
<td>5/25</td>
<td>5 kHz</td>
<td>Start of cycle</td>
<td>1.0m</td>
<td>111</td>
<td>108</td>
<td>108</td>
<td>98</td>
<td>107</td>
</tr>
<tr>
<td>6.</td>
<td>+</td>
<td>6/26</td>
<td>5 kHz</td>
<td>End of cycle</td>
<td>1.0m</td>
<td>114</td>
<td>111</td>
<td>112</td>
<td>103</td>
<td>110</td>
</tr>
<tr>
<td>7.</td>
<td>+</td>
<td>7/27</td>
<td>1 kHz</td>
<td>Start of cycle</td>
<td>1.0m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>+</td>
<td>8/28</td>
<td>1 kHz</td>
<td>End of cycle</td>
<td>1.0m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>+</td>
<td>9/29</td>
<td>5 kHz</td>
<td>Start of cycle</td>
<td>2.0m</td>
<td>110</td>
<td>106</td>
<td>108</td>
<td>96</td>
<td>105</td>
</tr>
<tr>
<td>10.</td>
<td>+</td>
<td>10/30</td>
<td>5 kHz</td>
<td>End of cycle</td>
<td>2.0m</td>
<td>110</td>
<td>109</td>
<td>109</td>
<td>99</td>
<td>108</td>
</tr>
<tr>
<td>11.</td>
<td>+</td>
<td>11/31</td>
<td>1 kHz</td>
<td>Start of cycle</td>
<td>2.0m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>+</td>
<td>12/32</td>
<td>1 kHz</td>
<td>End of cycle</td>
<td>2.0m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>+</td>
<td>13/33</td>
<td>5 kHz</td>
<td>Start of cycle/ no pallet</td>
<td>0.5m</td>
<td>113</td>
<td>112</td>
<td>108</td>
<td>103</td>
<td>112</td>
</tr>
<tr>
<td>14.</td>
<td>+</td>
<td>14/34</td>
<td>5 kHz</td>
<td>End of cycle/ no pallet</td>
<td>0.5m</td>
<td>110</td>
<td>108</td>
<td>107</td>
<td>102</td>
<td>106</td>
</tr>
<tr>
<td>15.</td>
<td>+</td>
<td>15/35</td>
<td>1 kHz</td>
<td>Start of cycle/ no pallet</td>
<td>0.5m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>+</td>
<td>16/36</td>
<td>1 kHz</td>
<td>End of cycle/ no pallet</td>
<td>0.5m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table C  SUMMARY OF ACOUSTICS.
The SUPERPAC stands on a base plate that is fixed on beams. Those beams are fortified in a concrete slab and this platform must be placed in the floor. Use this section with the Foundation drawing (# 472891) and the Installation drawing (# 472890) to prepare the location and to install the SUPERPAC. This section is not a replacement of the two drawings listed above; it is presented here for complementary information.

PREPARING THE LOCATION OF THE SUPERPAC

1. The framework should be prepared according to specifications presented in figure 1.1, 1.2 and 1.3.

2. The 15' x 15' [4572mm x 4572mm] framework must be surrounded by a 3/4" [19mm] thick strip of rigid type insulating board around SUPERPAC concrete base to isolate vibration.

3. The length, width and thickness of the foundation specified in figures 1.1 and 1.2 represent minimum dimensions. The SUPERPAC foundation can be increased in length, width or thickness to accommodate existing soil conditions. 

   **Note:** The concrete foundation dimensions should never be less than the dimensions specified.

4. A I-beam should be installed. It is used as a rear support. It should be 7'-8" long.

50% OF OPERATING TIME - 3000 TIMES PER MINUTE - 30,000 LBS [13,636 KG] FORCE ALTERNATING UP AND DOWN.

6600 LBS [29,994 KG] ALTERNATING FORCES RESULTING FROM ACCELERATION AND DECELERATION OF FEEDBOX 24 TIMES PER MINUTE.

72,000 LBS [32,659 KG] STATIC LOAD UNIFORMLY LOADED ON SUPPORT BEAMS.

**Figure 1.1** SIDE ELEVATION.

A = Height of the I-beam above floor level
B = Height of the I-beam below floor level

**NOTE:** Refer to table 1.3
5. Cut the I-beams to proper length (see table 1.3).


Note: 3/4" [19mm] reinforced steel bars should be welded to the I-beams going in various directions to give added support and anchorage to the machine. It should be sufficient to maintain beams in place while concrete is being poured.

7. Place the beams (including rear support) at the desired height. For recommended beam size relative to the desired distance between the base plate and the floor, consult table 1.3 below.

**IMPORTANT!** The centerline of the machine is not the same as the center of the concrete slab. The centerline of the block machine is offset to one side of the foundation (see figure 1.2).

8. Place concrete to make base. We recommend a minimum 4000 psi (275 bar) concrete.

### Table 1.3

<table>
<thead>
<tr>
<th>DISTANCE FROM FLOOR TO BOTTOM OF BASE PLATE</th>
<th>HEIGHT OF BEAM IN CONCRETE DIMENSION (B) INCHES &amp; [mm]</th>
<th>WIDTH OF BEAM DIMENSION (C) INCHES &amp; [mm]</th>
<th>SIZE AND WEIGHT OF BEAM RECOMMENDED</th>
<th>SIZE AND WEIGHT OF BEAM IN CONCRETE mm &amp; Kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 [25]</td>
<td>11 [279]</td>
<td>5 [25]</td>
<td>S12 @ 31.8 #/FT</td>
<td>S12 @ 31.8 #/FT S305 @ 47.3 Kg/m</td>
</tr>
<tr>
<td>2 [51]</td>
<td>10 [254]</td>
<td>5 [51]</td>
<td>S12 @ 31.8 #/FT</td>
<td>S12 @ 31.8 #/FT S305 @ 47.3 Kg/m</td>
</tr>
<tr>
<td>3 [76]</td>
<td>9 [229]</td>
<td>5 [76]</td>
<td>S12 @ 31.8 #/FT</td>
<td>S12 @ 31.8 #/FT S305 @ 47.3 Kg/m</td>
</tr>
<tr>
<td>4 [102]</td>
<td>8 [203]</td>
<td>5 [102]</td>
<td>S12 @ 31.8 #/FT</td>
<td>S12 @ 31.8 #/FT S305 @ 47.3 Kg/m</td>
</tr>
<tr>
<td>5 [127]</td>
<td>10 [254]</td>
<td>5.5 [127]</td>
<td>S15 @ 42.9 #/FT</td>
<td>S15 @ 42.9 #/FT S381 @ 63.8 Kg/m</td>
</tr>
<tr>
<td>6 [152]</td>
<td>9 [229]</td>
<td>5.5 [152]</td>
<td>S15 @ 42.9 #/FT</td>
<td>S15 @ 42.9 #/FT S381 @ 63.8 Kg/m</td>
</tr>
<tr>
<td>7 [178]</td>
<td>8 [203]</td>
<td>5.5 [178]</td>
<td>S18 @ 54.7 #/FT</td>
<td>S18 @ 54.7 #/FT S457 @ 81.4 Kg/m</td>
</tr>
<tr>
<td>8 [203]</td>
<td>10 [254]</td>
<td>6 [203]</td>
<td>S18 @ 54.7 #/FT</td>
<td>S18 @ 54.7 #/FT S457 @ 81.4 Kg/m</td>
</tr>
<tr>
<td>9 [229]</td>
<td>9 [229]</td>
<td>6 [229]</td>
<td>S18 @ 54.7 #/FT</td>
<td>S18 @ 54.7 #/FT S457 @ 81.4 Kg/m</td>
</tr>
</tbody>
</table>

Figure 1.2 FRONT ELEVATION.
9. The electrical panel can be installed on any side of the machine but is usually installed on the opposite side of unloader (see figure 1.4). It can also be installed in any location to accommodate specific plant layout.

**Note:** To comply with articles 110-9 and 110-10 of the national electrical code, American customers shall supply a branch circuit protective device to feed this control. The protective device shall have a short circuit interrupting rating of no less than the available short circuit current. Failure to do so could result in a rupture of the protective device while attempting to clear a fault. Besser Company recommends the use of protective devices with interrupting ratings of no less than 200,000 AMPS RMS symmetrical. See the electrical data chart on drawing #439096 for recommended protection. [As for customers outside the US, please check with your country's electrical codes and make sure you comply with all laws concerning electrical devices.]

10. Conduits for electrical panel can be installed as shown on figures 1.4 and 1.5.

11. A conduit for the resocoder must also be installed as shown on figure 1.5.

12. The Graphic Control Station has to be connected to the electrical panel. Run conduit from electrical panel to display control station. The conduit wire length can not be greater than 45 linear feet [13.7 meters]. The location is shown on the plant layout drawing.

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**Figure 1.3 3-D VIEW.**
Note: Refer to table 1.3 for "C" value.
13. Once the frame is properly located and leveled, pour concrete inside within 1 1/2" [38mm] of top of I-beam to allow for machine grouting. Do not pour the concrete up to the top of the beams. This also includes the area of concrete between the I-beams. Refer to figure 1.3.

**Note:** The top of the I-beams needs to be level (within 1/64" [0.4mm]) around the elevation given on the installation prints. For optimum equipment performance, these steel frames need to be level and at the proper elevation.
The figure below shows where the machine should be hooked for handling.

Figure 1.6 MACHINE HANDLING.
Figure 1.7 TYPICAL SUPERPAC INSTALLATION.
TO INSTALL A SUPERPAC:

1. Establish center lines for machine.

Note: The centerline of the machine is not the same as the center of the concrete slab. The centerline of the block machine is offset to one side of the foundation as shown in figure 1.2.

2. Clean area inside support steel and top of steel.

3. Make sure a 3/4" [19mm] strip of insulation has been placed between the machine foundation and the plant floor to isolate the vibration to the machine foundation (figure 1.3).

4. Place machine on support steel and align with center lines.

5. Level machine using machined area next to side plates to within 1/32" [0.8mm]. Use 6" [152mm] shim every foot [305mm]. Check machine vertical level on both slide shafts (must be plumb both ways). Refer to figures 1.8 and 1.9.

6. Weld machine to steel with 5/8" [16mm] skip weld. Make sure machine stays aligned with center line during welding. Weld over the shims. Refer to figure 1.8 and 1.9.

7. Non-shrink grout should be placed inside the I-beams once the block machine has been placed and test run (figure 1.10). 5.4 cu.ft. (1.64 m³) of grout is necessary for every inch below the base.

8. Make air connections. (Refer to figure 1.11 on page 18)
   a. 50 SCFM at 80 psi [5.5 bars] on the right side of machine for air compaction.
   b. 10 SCFM at 80 psi [5.5 bars] on the left side of machine for other machine components.

See Foundation drawing # 470766 for "A" dimension

Figure 1.8 RIGHT SIDE ELEVATION.
Figure 1.9 FRONT ELEVATION.
Figure 1.10  POUR NON-SHRINK GROUT INSIDE. FILL-UP TO TOP OF MACHINE BASE PLATE.

VENT HOLES. DO NOT PLUG!
CONNECT AIR SUPPLY. 10 SCFM AT 80 PSI [5.5 bars]

CONNECT AIR SUPPLY. 50 SCFM AT 80 PSI [5.5 bars]

Figure 1.11  AIR SUPPLY CONNECTIONS.