AIR HANDLING-RADIAL BLADE CENTRIFUGAL FAN – 9000 XB

GENERAL

The centrifugal fan shall be designed and manufactured by Sheldons Engineering to ensure smooth operation. Fan wheel shall be heavy gauge construction with a full back plate and inlet shroud model “XB” as shown in plans with all steel construction. Unless otherwise directed, fan arrangement, motor location, support base, rotation and discharge are as shown on the layout drawings. Fan size is defined as the OD in inches of the fan inlet.

PERFORMANCE

Fan ratings shall be based on tests made in accordance with AMCA Standard 210. Flow shall be actual volumetric flow at the fan inlet. Fan static pressure is defined as static pressure at fan outlet less total pressure at fan inlet. Standard inlet density is to be taken as 0.75 lb/ft$^3$ with corrections for temperature, elevation, inlet static pressure, gas composition and humidity as defined in the schedule. Fans shall be selected to operate to the right of the peak static pressure at the given speed to ensure stable performance. Fan brake horsepower shall rise continuously over the entire range of flows for a given speed and shall be equal to or less than specified at the given flow and fan static pressure.

SOUND

Fan manufacturers shall provide sound power level ratings for fans tested and rated in accordance with AMCA Standards 300 and 301. Sound power ratings shall be in decibels (reference 10-12 watts) in eight octave bands. Sound power levels will be corrected for installation by the specifying engineer...dBA or sound pressure levels only are not acceptable.

CONSTRUCTION

Fan housings are to be heavy -- min. gauge per chart below, continuously welded construction with flanged and punched outlet. Housings with lock seams or spot welded construction are not acceptable.

<table>
<thead>
<tr>
<th>Fan Size</th>
<th>Class I (12 M)</th>
<th>Class II &amp; III (15 &amp;19M)</th>
<th>Class IV (22M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-11</td>
<td>14 gauge (0.0747” or 1.89 mm)</td>
<td>12 gauge</td>
<td>10 gauge</td>
</tr>
<tr>
<td>13-26</td>
<td>12 gauge (0.1046” or 2.66 mm)</td>
<td>10 gauge</td>
<td>7 gauge</td>
</tr>
<tr>
<td>29-37</td>
<td>10 gauge (0.1345” or 3.43 mm)</td>
<td>7 gauge</td>
<td>¼”</td>
</tr>
<tr>
<td>41-49</td>
<td>7 gauge (0.1875” or 4.76 mm)</td>
<td>¼”</td>
<td>¼”</td>
</tr>
<tr>
<td>54-60</td>
<td>---</td>
<td>3/8”</td>
<td>3/8”</td>
</tr>
</tbody>
</table>

BEARINGS (belt driven fans)

Bearings are to be heavy duty, grease lubricated, precision anti-friction, self-aligning pillow block design. Bearings shall be designed for a minimum $L_{10}$ life per the chart below when rated at the fan’s maximum cataloged operating speed.

<table>
<thead>
<tr>
<th>Class</th>
<th>I</th>
<th>II</th>
<th>III</th>
<th>IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN. $L_{10}$ Life</td>
<td>30,000</td>
<td>40,000</td>
<td>100,000</td>
<td>400,000</td>
</tr>
</tbody>
</table>
AIR HANDLING-RADIAL BLADE CENTRIFUGAL FAN –9000

SHAFT (belt driven fans)

Shafts are to be ASTM A-108 steel, grade 1040/1045, precision turned, ground and polished. Grade 1018 steel is not acceptable. The shaft's first critical speed shall be at least 143% of the fan's maximum operating speed.

PAINT

All fan surfaces are to be thoroughly prepared prior to painting using a combination of washing and hand and power tool cleaning as required in SSPC-SP-3. After cleaning, all surfaces are to be coated with a zinc rich oxide primer. Surfaces of bolted components not accessible after assembly shall be coated and allowed to dry prior to final assembly.

BALANCE & INSPECTION

All fans shall be precision balanced to ISO quality grade 2.5, report to be submitted with the maintenance manual. A final inspection by a qualified inspector prior to shipment is required to include: scope of supply confirmation, balance, welding, dimensions, bearings, duct and base connection points, paint finish and overall workmanship.

ACCESSORIES

Accessories shall be provided as called for in the plans and specifications. Standard accessories include:

- Motor to be NEMA Design B 3/60/460-575V-1800 rpm, high efficiency TEFC 1.15 SF
- V-Belt Drives - Variable Speed/Constant Speed with min 1.5 SF
- Belt Guard or weather cover required
- Extended lubrication lines (nylon, copper or stainless steel) with fittings terminating in an accessible area.

Additional Features that may be required:

- XHD extra heavy duty wheel construction for severe applications
- Access Door – bolted/quick opening or plug type with raised door
- Housing Drain – pipe ½ coupling or flanged connection
- Shaft Seal – non-asbestos fibre or spring loaded carbon ring style
- Bolt-on variable inlet vanes
- Spark Resistant Construction –
  - AMCA “A” All parts in contact with the air stream of Aluminum construction
  - AMCA “B” Aluminum wheel with Aluminum rubbing ring around shaft entry point
  - AMCA “C” Aluminum inlet cone and Aluminum rubbing ring
- Horizontally Split Fan Housing
WHEEL DIA. 15.625"
OUTLET AREA 0.42 SQ.FT.
INLET DIA. 9"

CLASS II

3667
4000 RPM
+0dB

3500
10

3000
7.5
+1dB

2500
+3dB
5 BHP

2000
3

1500
2

1000
.75
1.5

500
.5
.3

1000'S OF CFM

VELOCITY PRESSURE

STATIC PRESSURE INCHES W.G.

O.V.FPM

INCHES W.C.
WHEEL DIA. 19.125"
OUTLET AREA 0.66 SQ.FT.
INLET DIA. 11"
WHEEL DIA. 22.625"  
OUTLET AREA 0.92 SQ.FT.  
INLET DIA. 13"
WHEEL DIA. 29.625"
OUTLET AREA 1.57 SQ.FT.
INLET DIA. 17"
### Industrial Exhauster

**Size 21 XB Air Handling Wheel**

**WHEEL DIA:** 36.5”

**OUTLET AREA:** 2.39 SQ.FT.

**INLET DIA:** 21”

<table>
<thead>
<tr>
<th>O.V.FPM</th>
<th>CL II &amp; III</th>
<th>2000</th>
<th>3000</th>
<th>4000</th>
<th>5000</th>
<th>6000</th>
<th>7000</th>
<th>8000</th>
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<tbody>
<tr>
<td>O.V.CL IV</td>
<td></td>
<td>3000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 2400 +0dB
- 2302 +1dB
- 2200
- 1988
- 1800 RPM
- 1600
- 1400
- 1200
- 1000
- 800
- 600
- 400
- 300
- 60
- 50
- 40
- 30
- 25
- 20
- 15
- 10
- 7.5
- 5
- 3
- 2
- 1.5
- 1
- .75
- .5
- .25

**VELOCITY PRESSURE - CLASS II & III**

**INCHES W.G.**

- 5
- 4
- 3
- 2
- 1
- .5
- .25

**INCHES W.G.**

- 5
- 4
- 3
- 2
- 1
- .5
- .25

---

**STATIC PRESSURE INCHES W.G.**

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 32
- 33
- 34
- 35
- 36
- 37
- 38
- 39
- 40
- 41
- 42
- 43
- 44
- 45
- 46
- 47
- 48

---

**1000’S OF CFM**

- 0
- 2
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- 18
- 20

---

**INCHES W.G.**

- 5
- 4
- 3
- 2
- 1
- .5
- .25

---

**VELOCITY PRESSURE - CLASS IV**

---

**O.V.CL IV**

---

**INCHES W.G.**

---

**CLASS IV**

---

**INCHES W.G.**

---

**CLASS III**

---

**INCHES W.G.**

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**CLASS II**

---

**INCHES W.G.**

---

**CLASS I**

---

**INCHES W.G.**

---

**CLASS IV**

---

**INCHES W.G.**

---

**CLASS III**

---

**INCHES W.G.**

---

**CLASS II**

---

**INCHES W.G.**

---

**CLASS I**

---

**INCHES W.G.**

---

**CLASS IV**

---

**INCHES W.G.**

---

**CLASS III**

---

**INCHES W.G.**

---

**CLASS II**

---

**INCHES W.G.**

---

**CLASS I**

---

**INCHES W.G.**

---

**CLASS IV**

---

**INCHES W.G.**

---

**CLASS III**

---

**INCHES W.G.**

---

**CLASS II**

---

**INCHES W.G.**

---

**CLASS I**

---

**INCHES W.G.**

---

**CLASS IV**

---

**INCHES W.G.**

---

**CLASS III**

---

**INCHES W.G.**

---

**CLASS II**

---

**INCHES W.G.**

---

**CLASS I**

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**INCHES W.G.**

---

**CLASS IV**

---

**INCHES W.G.**

---

**CLASS III**

---

**INCHES W.G.**

---

**CLASS II**

---

**INCHES W.G.**

---

**CLASS I**

---

**INCHES W.G.**

---
### Dimensions - Inches (Double Letter Dimensions are for Overall Reference Only)

| Fan Size | R | S | T | U | V | W | KD Wheel | KD Wheel | AA | BB | CC | DD | EE | FF | GG | HH | JJ | KK | LL | MM | NN |
|----------|---|---|---|---|---|---|---------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

### Maximum Motor Power Arrangements

<table>
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<tr>
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<tr>
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<td>210</td>
<td>215</td>
<td>215</td>
<td>14.7</td>
<td>16.8</td>
<td>16.8</td>
<td>16.8</td>
<td>19.7</td>
<td>15.8</td>
<td>17.8</td>
<td>16.5</td>
<td>16.6</td>
</tr>
<tr>
<td>12</td>
<td>250</td>
<td>255</td>
<td>255</td>
<td>17.2</td>
<td>17.2</td>
<td>16.1</td>
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<td>254</td>
<td>255</td>
<td>255</td>
<td>19.2</td>
<td>19.2</td>
<td>18.0</td>
<td>18.5</td>
<td>21.9</td>
<td>19.3</td>
<td>22.8</td>
<td>22.8</td>
<td>22.8</td>
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<td>324</td>
<td>325</td>
<td>325</td>
<td>18.7</td>
<td>21.8</td>
<td>21.7</td>
<td>21.8</td>
<td>22.0</td>
<td>22.2</td>
<td>24.6</td>
<td>24.6</td>
<td>23.3</td>
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<td>25.1</td>
<td>26.1</td>
<td>23.6</td>
<td>25.8</td>
<td>24.5</td>
<td>26.2</td>
<td>24.9</td>
<td>27.8</td>
</tr>
</tbody>
</table>

### Notes

- Flanged outlet is not std. on DB & BAD units. When flanged outlet (punched) is required on DB (Fig.7817) or BAD (Fig.8818) units.

- When vibration or unitary base is furnished disregard foundation plan shown above and refer to vibration or unitary base Dwg. Refer to order acknowledgment for shipping details.

---

**Series 8000**

**Arrangement 1 & 2 show Classes II & III**

**Fixed Discharge - Sizes 11 to 21**

**Sheldons Engineering**

www.sheldonsengineering.com

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**NOTES**

- Flanged outlet is not std. on DB & BAD units. When flanged outlet (punched) is required on DB (Fig.7817) or BAD (Fig.8818) units.

- When vibration or unitary base is furnished disregard foundation plan shown above and refer to vibration or unitary base Dwg. Refer to order acknowledgment for shipping details.

**Optional Accessories**

- Flanged outlet is not std. on DB & BAD units. When flanged outlet (punched) is required on DB (Fig.7817) or BAD (Fig.8818) units.

- When vibration or unitary base is furnished disregard foundation plan shown above and refer to vibration or unitary base Dwg. Refer to order acknowledgment for shipping details.
### Dimensions - Inches (Double Letter Dimensions are for Overall Reference Only)

| Fan Size | Wheel Dia. | Shaft Dia. | Keyway Height | A | B | C | D | D' | E | F | G | H | K | L | M | N | P | P' |
|----------|------------|------------|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | R | T | U | V | W | X | Y | Z | AA | BB | CC | DD | EE | FF | GG | HH | JJ | KK | LL | MM |
| 23 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 | 2.7/2 |

### Maximum Motor

<table>
<thead>
<tr>
<th>Fan Size</th>
<th>Arrangement 9 Drive Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>R</td>
</tr>
<tr>
<td>23</td>
<td>2.7/2</td>
</tr>
</tbody>
</table>

### Notes

When vibration or unitary base is furnished disregard foundation plan shown above and refer to vibration or unitary base data.

Refer to order acknowledgment for shipping details.

### Optional Accessories

- A-Flanged Inlet
- B-Punched
- C-Cleanout Door-Bolted
- D-Quick Clamp
- E-Plywood L.S. Wheel
- F-Horizontal Split Housing
- G-Flange Guard
- H-Oil Grease Fittings
- I-Vertical Inlet Box
- J-Outlet Damper
- K-Fixed Base Guard
- L-Heavy Duty Housing

**S**

### Series 6000

<table>
<thead>
<tr>
<th>Arrangement 9 Drive Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
</tr>
<tr>
<td>23</td>
</tr>
</tbody>
</table>

**S**

### Sheldon Engineering

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sales@sheldonengineering.com

*Wheel Types: XD = Long Shavings, XB = Air/Meterial*
**POSITION OF DISCHARGE & ROTATION FROM DRIVE SIDE**

**DIMENSIONS - INCHES (DOUBLE LETTER DIMENSIONS ARE FOR OVERALL REFERENCE ONLY)**

<table>
<thead>
<tr>
<th>FAN WHEEL SIZE DIA</th>
<th>SHAFT DIA</th>
<th>KEYWAY SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
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</thead>
<tbody>
<tr>
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<td>CL II</td>
<td>CL II</td>
<td>CL III</td>
<td>41</td>
<td>21 1/4</td>
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<td>23 3/4</td>
<td>33 1/2</td>
<td>38 1/2</td>
<td>41</td>
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<td>66</td>
</tr>
<tr>
<td>45</td>
<td>21 1/4</td>
<td>21 1/4</td>
<td>3/4</td>
<td>23 3/4</td>
<td>33 1/2</td>
<td>38 1/2</td>
<td>41</td>
<td>32 1/4</td>
<td>61 1/8</td>
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<td>36 1/2</td>
<td>66</td>
<td>66</td>
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</table>

**FAN SIZE**

<table>
<thead>
<tr>
<th>P</th>
<th>P'</th>
<th>Q</th>
<th>R</th>
<th>S</th>
<th>T</th>
<th>U</th>
<th>V</th>
<th>W</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
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<tbody>
<tr>
<td>41</td>
<td>4</td>
<td>5</td>
<td>19 3/4</td>
<td>23 1/4</td>
<td>23 1/4</td>
<td>5/16</td>
<td>23 7/8</td>
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<td>45</td>
<td>4</td>
<td>5</td>
<td>21 3/8</td>
<td>24 7/8</td>
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<td>5/16</td>
<td>23 7/8</td>
<td>23 1/4</td>
<td>23 7/8</td>
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**PERFORMANCE**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>MOTOR DATA</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SPECIAL FEATURES**

- A=FLANGED INLET
- B=FLANGED OUTLET
- C=CLEANOUT DOOR-BOLTED
- D=CLEANOUT DOOR-QUICK CLAMP
- E=CLEANOUT DOOR-PLUG TYPE
- F=GRILL OPENING
- G=SPECIAL FINISH-SEE NOTES
- H=SHAFT SEAL
- J=SPARK RESIST,CONST. (SEE NOTES)
- K=OUTLET DAMPER-STD
- L=OUTLET DAMPER-PARAFLO
- M=HEAVY DUTY HOUSING
- N=STAINLESS STEEL (SEE NOTES)
- P=COOLING WHEEL
- Q=INLET SCREEN
- R=HEAVY DUTY I.S. WHEEL
- S=INSULATION STUDS
- T=SPLIT FIT INLET

**NOTES**

- **CUSTOMER**
- **JOB NAME**
- **LOCATION**

**SERIES 9000**

**ARRANGEMENT 1 & 9 SISW CLASSES II & III**

**FIXED DISCHARGE - SIZES 41 & 45**

**SHELDONS ENGINEERING**

sales@shealdonsengineering.com

**WHEEL TYPES:**

- **XO** = Long Shavings
- **XB** = Air/Material

**9000-02-97**
## Dimensions - Inches (Double Letter Dimensions Are for Overall Reference Only)

<table>
<thead>
<tr>
<th>Pan Size</th>
<th>Wheel Type</th>
<th>Shaft Dia.</th>
<th>Keyway Size</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>F'</th>
<th>G</th>
<th>H</th>
<th>K</th>
<th>L</th>
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</thead>
<tbody>
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<td>12 1/4</td>
<td>15/16</td>
<td>1 3/16</td>
<td>1/4x1/8</td>
<td>1/4x1/8</td>
<td>8 13/16</td>
<td>8 7/8</td>
<td>9 3/4</td>
<td>9 5/16</td>
<td>14 5/8</td>
<td>7</td>
<td>17</td>
<td>20 9/16</td>
</tr>
<tr>
<td></td>
<td>11 1/8</td>
<td>19 1/8</td>
<td>1 3/16</td>
<td>1 7/16</td>
<td>1/4x1/8</td>
<td>3/8x3/16</td>
<td>10 5/8</td>
<td>13 15/16</td>
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<td>4</td>
</tr>
<tr>
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<td>22 5/8</td>
<td>1 3/16</td>
<td>1 7/16</td>
<td>1/4x1/8</td>
<td>3/8x3/16</td>
<td>12 5/8</td>
<td>16 9/16</td>
<td>16 15/16</td>
<td>21</td>
<td>17</td>
<td>13</td>
<td>23 32 7/16</td>
<td>4 1/2</td>
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<tr>
<td></td>
<td>15 26 1/8</td>
<td>28 1/8</td>
<td>1 7/16</td>
<td>1 15/16</td>
<td>5/8x3/16</td>
<td>1/2x1/4</td>
<td>14 1/2</td>
<td>19 1/16</td>
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<tr>
<td></td>
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<td>1 15/16</td>
<td>1 15/16</td>
<td>5/8x3/16</td>
<td>1/2x1/4</td>
<td>16 7/16</td>
<td>21 9/16</td>
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</tr>
<tr>
<td></td>
<td>21 36 1/2</td>
<td>38 1/2</td>
<td>1 15/16</td>
<td>2 3/16</td>
<td>1/2x1/4</td>
<td>1/2x1/4</td>
<td>20 3/16</td>
<td>26 9/16</td>
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<td>26 3/8</td>
<td>28 3/8</td>
<td>25</td>
<td>21</td>
<td>35</td>
</tr>
</tbody>
</table>

### Optional Accessories
- A = Flanged Inlet
- B = Flanged Outlet
- C = Flange-Duct Wheel
- D = Inlet Screen
- E = Heavy Duty I.D. Wheel
- F = Belt Guard
- G = O.D. Flange
- H = Door Lock (Clamp)
- I = Door-Clamp (Plug)
- J = Door Open (Nylon)
- K = Ring Opening
- L = Fence Seal
- M = Outlet Damp
- N = Heavy Duty Housing
- O = Cooling Wheel

## Position of Discharge & Rotation from Drive Side

### Item No.

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<th>Wheel Data</th>
<th>Reg. No.</th>
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### Item No.

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## Notes

- Customer
- Job Name
- Location

**Series 9000**

**Arrangement 10 SISW Classes II & III**

**Fixed Discharge**

**Sheldon's Engineering**

**www.sheldonsengineering.com**

**9000-03-07**

*Wheel Types: X0 = Long Shavings, X8 = Air/Material*
DIMENSIONS - INCHES (DOUBLE LETTER DIMENSIONS ARE FOR OVERALL REFERENCE ONLY)

MAXIMUM MOTOR ARRANGEMENT 9 DRIVE CENTERS

PERFORMANCE MOTOR DATA

OPTIONAL ACCESSORIES

NOTES

When vibration or unitary base is furnished disregard foundation plan shown above and refer to vibration or unitary base spec.

Refer to order acknowledgment for shipping details.

CUSTOMER

JOB NAME

LOCATION

* WHEEL TYPES: XO = Long Shavings, XB = Air/Material

SERIES 9000
ARRANGEMENT 1 & 9 SISW CLASS IV
FIXED DISCHARGE - SIZES 23 TO 33
SHELDONS ENGINEERING
www.sheeldsonsengineering.com
sales@sheeldsonsengineering.com

9000-04-97
### Dimensions - Inches (Double Letter Dimensions Are for Overall Reference Only)

| PAN SIZE | WHEEL SIZE | SHAFT rpm | SKEWWAY SIZE | A | B | C | D | E | F | G | H | K | L | M | N | P | Q |
|----------|------------|-----------|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11       | 19 1/2     | 2 1/2     | 1/2x4        | 10 5/8 | 14 7/8 | 13 5/6 | 15 1/4 | 15 | 18 | 13 1/2 | 11 | 20 | 19 1/2 | 15 | 13 1/4 | 13 1/4 | 12 3/4 | 11 1/2 |
| 12       | 22 5/6     | 2 1/2     | 1/2x4        | 12 5/6 | 17 1/2 | 15 1/4 | 18 1/4 | 21 | 17 | 13 | 20 | 19 1/4 | 15 | 13 1/4 | 13 1/4 | 12 3/4 | 11 1/2 |
| 13       | 26 1/2     | 2 1/2     | 5x8x16       | 14 1/2 | 19 1/2 | 17 1/4 | 21 1/4 | 24 | 18 | 13 1/4 | 11 | 20 | 19 1/4 | 15 | 13 1/4 | 13 1/4 | 12 3/4 | 11 1/2 |
| 14       | 26 1/2     | 2 1/2     | 5x8x16       | 16 1/2 | 22 1/2 | 19 1/4 | 23 1/4 | 26 | 22 | 17 | 20 | 19 1/4 | 15 | 13 1/4 | 13 1/4 | 12 3/4 | 11 1/2 |
| 15       | 30 1/2     | 2 1/2     | 5x8x16       | 18 1/2 | 24 1/2 | 19 1/4 | 27 1/4 | 30 | 23 | 19 | 20 | 19 1/4 | 15 | 13 1/4 | 13 1/4 | 12 3/4 | 11 1/2 |
| 16       | 31 1/2     | 3 1/2     | 3x4x8       | 18 1/2 | 24 1/2 | 22 1/2 | 26 1/2 | 18 1/2 | 22 1/2 | 18 1/2 | 22 1/2 | 26 1/2 | 30 1/2 | 23 1/2 | 19 1/2 | 13 1/2 | 33 1/2 |
| 17       | 35 1/2     | 3 1/2     | 3x4x8       | 20 1/2 | 26 1/2 | 22 1/2 | 29 1/2 | 21 1/2 | 25 1/2 | 21 1/2 | 25 1/2 | 29 1/2 | 33 1/2 | 26 1/2 | 22 1/2 | 16 1/2 | 35 1/2 |

### Maximum Motor Arrangement 9 Drive Centers

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### Motor Data

- **Performance**:
  - CM: 255
  - GV: 255
  - RPM: 1800
  - HP: 150
  - RPM: 1750
  - LOAD: 25%

- **Motor Data**
  - FRAME: 143-145
  - RATING: 150 HP
  - RPM: 1800
  - LOAD: 25%
  - RPM: 1750

### Optional Accessories

- **Flanged Inlet**
- **Punched Inlet**
- **Cleanout Door**
- **Cleanout Door-Quick Clamp**
- **Cleanout Door-Quick Clamp**
- **Block Off**
- **Special Finish-Specify Model**
- **Bolt Seal**
- **Sight Screen**
- **Inlet Box**
- **Outlet Diver**
- **Heavy Duty Housing**
- **Rolling Wheel**
- **Slip Inlet**

### Notes

- Flanged outlet is not allowed on DB & BD units. When flanged outlet or punched is required on DB (Fig.7-17) or BD (Fig.8-18) units.

- When vibration or unitary base is furnished disregard foundation plan shown above and refer to vibration or unitary base Diagram.

- Special Features:
  - **Wheel Types**: XD = Long Shavings, XS = Air/Material

### Customer Information

- **Job Name**
- **Location**

### Series 9000 Arrangement 8 & 9 SISW Class IV

- **Fixed Discharge Sizes**: 11 to 21

- **Contact**
  - **787-5181**
  - **www.sheldonsengineering.com**
  - **sales@sheldonsengineering.com**

- **Engineer**
  - **9000-03-07**