EMMEGI Heat Exchanger Features

Brazed Plate Technology
Stainless steel brazed plate construction is one of the most advanced fluid cooling technologies available. This design has several significant features:

- Compact Performance: Up to 50% smaller in size than traditional shell & tube construction.
- Corrosion Resistant: Stainless steel plates and fittings provide long service life.
- Cutaway shows high density, compact brazed plate construction.

Technical Data

Compatable Fluids
- Mineral Oils: HL & HLP
- Water – Oil Emulsion
- Water – Glycol
- Consult factory for other fluids

Ratings
- Operating Pressure: 435 PSI
- Max Operating Temperature: 435°F

Materials
- Plates & Connections: AISI 316L Stainless Steel
- Brazing Sheets: Copper
- Mounting Brackets: Powder Painted Steel

SAE O-Ring Oil Connections

Studs May Be Used for Mounting Without Foot Bracket

Internal NPT Water Connections

Mounting Foot For Ease of Installation

FLOW DIRECTIONS
39 WB Series - Dimensions & Performance

Ordering Code

Model Size / Series  Number of Plates  Mounting Bracket
39WB  10  14  20  30  40  Blank  Includes Mounting Bracket  NB  No Mounting Bracket

Model Size
39 WB  =  3” x 9”

Model Size

39 WB Series - Dimensions & Performance

OIL CONNECTIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A (inch)</th>
<th>OIL CONNECTIONS</th>
<th>NET WEIGHT LBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>39 WB 10</td>
<td>1.32</td>
<td># 10 SAE</td>
<td>1/2” NPT</td>
</tr>
<tr>
<td>39 WB 14</td>
<td>1.70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39 WB 20</td>
<td>2.28</td>
<td># 12 SAE</td>
<td>3/4” NPT</td>
</tr>
<tr>
<td>39 WB 30</td>
<td>3.25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39 WB 40</td>
<td>4.21</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2:1 OIL / WATER RATIO

ISO VG32

HEAT-EXCHANGERS

www.emmegiinc.com

OIL ∆P

= 5 PSI

= 10 PSI

= 20 PSI

= 30 PSI

Horsepower Heat Rejection @ 50°F ETD

Net Weight LBS.

GPM

E TD

Model Size

39 WB 10  39 WB 14  39 WB 20  39 WB 30  39 WB 40

B C

# 10 SAE

1/2” NPT

# 12 SAE

3/4” NPT

1/2” x 26 Bolt.

Ordering Code

Model Size

39 WB  =  3” x 9”

Heat Exchangers

www.emmegiinc.com
**125 WB Series - Dimensions & Performance**

**Ordering Code**

- **Model Size / Series**
  - **125WB**

- **Number of Plates**
  - 10 20 30 40 50

- **Mounting Bracket**
  - Blank Includes Mounting Bracket
  - NB No Mounting Bracket

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**Dimensions & Performance**

- **Model Size**
  - 125 WB = 12" x 5"

- **Net Weight**
  - LBS.

<table>
<thead>
<tr>
<th>Model</th>
<th>A (inch)</th>
<th>OIL CONNECTIONS</th>
<th>NET WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 WB 10</td>
<td>1.28</td>
<td>#16 SAE</td>
<td>6.2</td>
</tr>
<tr>
<td>125 WB 20</td>
<td>2.24</td>
<td>3/4&quot; NPT</td>
<td>8.7</td>
</tr>
<tr>
<td>125 WB 30</td>
<td>3.21</td>
<td>#20 SAE</td>
<td>11.2</td>
</tr>
<tr>
<td>125 WB 40</td>
<td>4.17</td>
<td>1&quot; NPT</td>
<td>13.6</td>
</tr>
<tr>
<td>125 WB 50</td>
<td>5.12</td>
<td></td>
<td>16.1</td>
</tr>
</tbody>
</table>

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**Oil ΔP**

- **OIL / WATER RATIO**
  - 2:1

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**Performance Based On**

- **Horsepower Heat Rejection @ 50°F ETD**

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**Model Size**

- 10 20 30 40 50

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**ISO VG32**

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**MATERIALS**

- Steel, Copper, Stainless Steel

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**WEIGHT**

- LBS.

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**.appcompat-exchangers.com**

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**EMMEGI INC.**

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**HEAT-EXCHANGERS**

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**www.emmegiinc.com**
205 WB Series - Dimensions & Performance

Ordering Code

Model Size / Series
205WB

Number of Plates
30

Mounting Bracket
Blank Includes Mounting Bracket NB No Mounting Bracket

ISO VG32

OIL CONNECTIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A (inch)</th>
<th>OIL CONNECTIONS</th>
<th>NET WEIGHT LBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>205 WB 20</td>
<td>2.09</td>
<td># 16 SAE</td>
<td>14.6</td>
</tr>
<tr>
<td>205 WB 30</td>
<td>2.97</td>
<td>3/4&quot; NPT</td>
<td>19.1</td>
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<td>205 WB 40</td>
<td>3.86</td>
<td># 20 SAE</td>
<td>23.7</td>
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<tr>
<td>205 WB 50</td>
<td>4.74</td>
<td>1&quot; NPT</td>
<td>28.2</td>
</tr>
</tbody>
</table>

Horsepower Heat Rejection @ 50°F ETD

OIL ΔP

- • = 5 PSI
- x = 10 PSI
- ▲ = 20 PSI
- ■ = 30 PSI

PERFORMANCE BASED ON

2 : 1 OIL / WATER RATIO

ISO VG32

GPM

110
100
90
80
70
60
50
40
30
20
10
5

205 WB 50

205 WB 40

205 WB 30

205 WB 20

# 16 SAE

Model Size

205 WB = 20” x 5”

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HEAT-EXCHANGERS
2010 WB Series - Dimensions & Performance

Ordering Code

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A (inch)</th>
<th>OIL CONNECTIONS</th>
<th>NET WEIGHT LBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 WB 20</td>
<td>2.09</td>
<td># 20 SAE</td>
<td>38.2</td>
</tr>
<tr>
<td>2010 WB 40</td>
<td>4.02</td>
<td># 24 SAE</td>
<td>56.2</td>
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<tr>
<td>2010 WB 60</td>
<td>5.94</td>
<td># 32 SAE</td>
<td>74.0</td>
</tr>
<tr>
<td>2010 WB 80</td>
<td>9.80</td>
<td></td>
<td>91.9</td>
</tr>
</tbody>
</table>

MODEL

A (inch)

OIL CONNECTIONS

B   C

OIL  WATER

NET WEIGHT LBS.

2010 WB Series - Dimensions & Performance

HEAT-EXCHANGERS

www.emmegiinc.com
**Model Size / Series**

- **258 WB**

**Number of Plates**

40 60 80 100

**Mounting Bracket**

- Blank: No Mounting Bracket
- NB: Includes Mounting Bracket

**Ordering Code**

- **258WB** = 25" x 8"

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**Performance Based on**

- **2:1 Oil / Water Ratio**

**ISO VG32**

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**Model | A (inch) | OIL CONNECTIONS | NET WEIGHT LBS.**

| 258 WB 40 | 4.17 | #24 SAE | 49.1 |
| 258 WB 60 | 6.10 | #32 SAE | 75.2 |
| 258 WB 80 | 8.03 | 2" NPT | 109.1 |
| 258 WB 100 | 9.96 | 2" NPT | 126.6 |

**Horsepower Heat Rejection @ 50°F ETD**

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**258 WB Series - Dimensions & Performance**

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**www.emmegiinc.com**

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HEAT-EXCHANGERS