

# Certificate of Product Ratings

AHRI Certified Reference Number : 206726765

Date : 03-30-2021

Model Status : Active

Brand Name : KACECO

Model Number : Round 0.500/C/W/0.500/1.250x1.082/Smooth/Plate-Flat/Plate-Wave

Coil Line Designation : Round 0.500

Function : Cooling and Heating (H&C)

Fluid Type : Water (W)

Tube Outside Diameter : 0.500

Does this coil require a header? : Yes

Header : 0.250;0.375;0.500;0.625;0.750;0.875;1.125;1.375;1.625;2.125;2.625;3.125;4.125;5.125;6.125

Certified Rows Range Minimum : 2

Certified Rows Range Maximum : 14

Tube Spacing across Coil Face (Stf) X Tube Spacing between Coil Rows (Str) : 1.250 X 1.082

Tube Internal Construction : Smooth

Manufacturing Location : South Korea

Fin Configuration : Plate-Flat

Ratings generated using the following shall be in accordance with the latest edition of AHRI Standard 410 Forced-Circulation Air-Cooling and Air-Heating Coils and subject to rating accuracy by AHRI-sponsored, independent, third party testing.

Software Name : Joong Won Coil Selection Program

Software Version : Ver 1.0

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced."Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.  
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahrirectory.org](http://www.ahrirectory.org).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahrirectory.org](http://www.ahrirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2021 Air-Conditioning, Heating, and Refrigeration Institute

# Certificate of Product Ratings

AHRI Certified Reference Number : 206726766

Date : 03-30-2021

Model Status : Active

Brand Name : KACECO

Model Number : Round 0.625/C/W/0.625/1.500x1.299/Smooth/Plate-Flat/Plate-Wave

Coil Line Designation : Round 0.625

Function : Cooling and Heating (H&C)

Fluid Type : Water (W)

Tube Outside Diameter : 0.625

Does this coil require a header? : Yes

Header : 0.250;0.375;0.500;0.625;0.750;0.875;1.125;1.375;1.625;2.125;2.625;3.125;4.125;5.125;6.125

Certified Rows Range Minimum : 2

Certified Rows Range Maximum : 14

Tube Spacing across Coil Face (Stf) X Tube Spacing between Coil Rows (Str) : 1.500 X 1.299

Tube Internal Construction : Smooth

Manufacturing Location : South Korea

Fin Configuration : Plate-Flat

Ratings generated using the following shall be in accordance with the latest edition of AHRI Standard 410 Forced-Circulation Air-Cooling and Air-Heating Coils and subject to rating accuracy by AHRI-sponsored, independent, third party testing.

Software Name : Joong Won Coil Selection Program

Software Version : Ver 1.0

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced."Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.  
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahrirectory.org](http://www.ahrirectory.org).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahrirectory.org](http://www.ahrirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2021 Air-Conditioning, Heating, and Refrigeration Institute

# Certificate of Product Ratings

AHRI Certified Reference Number : 206726767

Date : 03-30-2021

Model Status : Active

Brand Name : KACECO

Model Number : Oval/C/W/0.500/1.250x1.082/Smooth/Plate-Flat/Plate-Wave

Coil Line Designation : Oval

Function : Cooling and Heating (H&C)

Fluid Type : Water (W)

Tube Outside Diameter : 0.500

Does this coil require a header? : Yes

Header : 0.250;0.375;0.500;0.625;0.750;0.875;1.125;1.375;1.625;2.125;2.625;3.125;4.125;5.125;6.125

Certified Rows Range Minimum : 2

Certified Rows Range Maximum : 14

Tube Spacing across Coil Face (Stf) X Tube Spacing between Coil Rows (Str) : 1.250 X 1.082

Tube Internal Construction : Smooth

Manufacturing Location : South Korea

Fin Configuration : Plate-Flat

Ratings generated using the following shall be in accordance with the latest edition of AHRI Standard 410 Forced-Circulation Air-Cooling and Air-Heating Coils and subject to rating accuracy by AHRI-sponsored, independent, third party testing.

Software Name : Joong Won Coil Selection Program

Software Version : Ver 1.0

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced."Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.  
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahridirectory.org](http://www.ahridirectory.org).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahridirectory.org](http://www.ahridirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2021 Air-Conditioning, Heating, and Refrigeration Institute

# Certificate of Product Ratings

AHRI Certified Reference Number : 206726768

Date : 03-30-2021

Model Status : Active

Brand Name : KACECO

Model Number : Round 0.500/1.5x1.299/C/W/0.500/1.500x1.299/Smooth/Plate-Flat/Plate-Wave

Coil Line Designation : Round 0.500/1.5x1.299

Function : Cooling and Heating (H&C)

Fluid Type : Water (W)

Tube Outside Diameter : 0.500

Does this coil require a header? : Yes

Header : 0.250;0.375;0.500;0.625;0.750;0.875;1.125;1.375;1.625;2.125;2.625;3.125;4.125;5.125;6.125

Certified Rows Range Minimum : 2

Certified Rows Range Maximum : 14

Tube Spacing across Coil Face (Stf) X Tube Spacing between Coil Rows (Str) : 1.500 X 1.299

Tube Internal Construction : Smooth

Manufacturing Location : South Korea

Fin Configuration : Plate-Flat

Ratings generated using the following shall be in accordance with the latest edition of AHRI Standard 410 Forced-Circulation Air-Cooling and Air-Heating Coils and subject to rating accuracy by AHRI-sponsored, independent, third party testing.

Software Name : Joong Won Coil Selection Program

Software Version : Ver 1.0

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced."Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.  
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahrirectory.org](http://www.ahrirectory.org).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahrirectory.org](http://www.ahrirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2021 Air-Conditioning, Heating, and Refrigeration Institute

# Certificate of Product Ratings

AHRI Certified Reference Number : 206726769

Date : 03-30-2021

Model Status : Active

Brand Name : KACECO

Model Number : Oval 0.500/1.5x1.299/C/W/0.500/1.500x1.299/Smooth/Plate-Flat/Plate-Wave

Coil Line Designation : Oval 0.500/1.5x1.299

Function : Cooling and Heating (H&C)

Fluid Type : Water (W)

Tube Outside Diameter : 0.500

Does this coil require a header? : Yes

Header : 0.250;0.375;0.500;0.625;0.750;0.875;1.125;1.375;1.625;2.125;2.625;3.125;4.125;5.125;6.125

Certified Rows Range Minimum : 2

Certified Rows Range Maximum : 14

Tube Spacing across Coil Face (Stf) X Tube Spacing between Coil Rows (Str) : 1.500 X 1.299

Tube Internal Construction : Smooth

Manufacturing Location : South Korea

Fin Configuration : Plate-Flat

Ratings generated using the following shall be in accordance with the latest edition of AHRI Standard 410 Forced-Circulation Air-Cooling and Air-Heating Coils and subject to rating accuracy by AHRI-sponsored, independent, third party testing.

Software Name : Joong Won Coil Selection Program

Software Version : Ver 1.0

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced."Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.  
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

#### DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahrirectory.org](http://www.ahrirectory.org).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahrirectory.org](http://www.ahrirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2021 Air-Conditioning, Heating, and Refrigeration Institute