



Model Number: WHW3220N  
AR Pump WHW3220N Pump: 7.9/2900 1450 RPM Hot

Manufacturer: Annovi Reverberi Pumps  
AR Pump WHW3220N Pump: 7.9/2900 1450 RPM Hot  
Description  
Solid shaft hot water AR WHW3220N pump.

- Features
- Belt drive
  - 8.0 GPM
  - 3000 PSI
  - 1450 RPM
  - 22 mm bore diameter
  - 19.8 mm stroke
  - 3/4" F inlet thread
  - 3/8" F discharge thread
  - 32 oz. oil capacity
  - 180° maximum water temperature
  - Nickel plated brass head

Specifications

Normal  
0

false  
false  
false

EN-US  
X-NONE  
X-NONE

DefSemiHidden="false" DefQFormat="false" DefPriority="99"  
LatentStyleCount="376">

UnhideWhenUsed="true" QFormat="true" Name="heading 2" />

UnhideWhenUsed="true" QFormat="true" Name="heading 3" />

UnhideWhenUsed="true" QFormat="true" Name="heading 4" />

UnhideWhenUsed="true" QFormat="true" Name="heading 5" />

UnhideWhenUsed="true" QFormat="true" Name="heading 6" />

UnhideWhenUsed="true" QFormat="true" Name="heading 7" />

UnhideWhenUsed="true" QFormat="true" Name="heading 8" />

UnhideWhenUsed="true" QFormat="true" Name="heading 9" />

Name="index 1" />

Name="index 2" />

Name="index 3" />

Name="index 4" />

Name="index 5" />

Name="index 6" />

Name="index 7" />

Name="index 8" />

Name="index 9" />

UnhideWhenUsed="true" Name="toc 1" />

UnhideWhenUsed="true" Name="toc 2" />

UnhideWhenUsed="true" Name="toc 3" />

UnhideWhenUsed="true" Name="toc 4" />

UnhideWhenUsed="true" Name="toc 5" />

UnhideWhenUsed="true" Name="toc 6" />

UnhideWhenUsed="true" Name="toc 7" />

UnhideWhenUsed="true" Name="toc 8" />

UnhideWhenUsed="true" Name="toc 9" />

Name="Normal Indent" />

Name="footnote text" />

Name="annotation text" />

Name="header" />

Name="footer" />

Name="index heading" />

UnhideWhenUsed="true" QFormat="true" Name="caption" />

Name="table of figures" />

Name="envelope address" />

Name="envelope return" />

Name="footnote reference" />

Name="annotation reference" />

Name="line number" />

Name="page number" />

Name="endnote reference" />

Name="endnote text" />

Name="table of authorities" />

Name="macro" />

Name="toa heading" />

Name="List" />

Name="List Bullet" />

Name="List Number" />

Name="List 2" />

Name="List 3" />

Name="List 4" />

Name="List 5" />

Name="List Bullet 2" />

Name="List Bullet 3" />

Name="List Bullet 4" />

Name="List Bullet 5" />

Name="List Number 2" />

Name="List Number 3" />

Name="List Number 4" />

Name="List Number 5" />

Name="Closing" />

Name="Signature" />

UnhideWhenUsed="true" Name="Default Paragraph Font" />

Name="Body Text" />

Name="Body Text Indent" />

Name="List Continue" />

Name="List Continue 2" />

Name="List Continue 3" />

Name="List Continue 4" />

Name="List Continue 5" />

Name="Message Header" />

Name="Salutation" />

Name="Date" />

Name="Body Text First Indent" />

Name="Body Text First Indent 2" />

Name="Note Heading" />

Name="Body Text 2" />

Name="Body Text 3" />

Name="Body Text Indent 2" />

Name="Body Text Indent 3" />

Name="Block Text" />

Name="Hyperlink" />

Name="FollowedHyperlink" />

Name="Document Map" />

Name="Plain Text" />

Name="E-mail Signature" />

Name="HTML Top of Form" />

Name="HTML Bottom of Form" />

Name="Normal (Web)" />

Name="HTML Acronym" />

Name="HTML Address" />

Name="HTML Cite" />

Name="HTML Code" />

Name="HTML Definition" />

Name="HTML Keyboard" />

Name="HTML Preformatted" />

Name="HTML Sample" />

Name="HTML Typewriter" />

Name="HTML Variable" />

Name="Normal Table" />

Name="annotation subject" />

Name="No List" />

Name="Outline List 1" />

Name="Outline List 2" />

Name="Outline List 3" />

Name="Table Simple 1" />

Name="Table Simple 2" />

Name="Table Simple 3" />

Name="Table Classic 1" />

Name="Table Classic 2" />

Name="Table Classic 3" />

Name="Table Classic 4" />

Name="Table Colorful 1" />

Name="Table Colorful 2" />

Name="Table Colorful 3" />

Name="Table Columns 1" />

Name="Table Columns 2" />

Name="Table Columns 3" />

Name="Table Columns 4" />

Name="Table Columns 5" />

Name="Table Grid 1" />

Name="Table Grid 2" />

Name="Table Grid 3" />

Name="Table Grid 4" />

Name="Table Grid 5" />

Name="Table Grid 6" />

Name="Table Grid 7" />

Name="Table Grid 8" />

Name="Table List 1" />

Name="Table List 2" />

Name="Table List 3" />

Name="Table List 4" />

Name="Table List 5" />

Name="Table List 6" />

Name="Table List 7" />

Name="Table List 8" />

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="Table 3D effects 1" />  
Name="Table 3D effects 2" />  
Name="Table 3D effects 3" />  
Name="Table Contemporary" />  
Name="Table Elegant" />  
Name="Table Professional" />  
Name="Table Subtle 1" />  
Name="Table Subtle 2" />  
Name="Table Web 1" />  
Name="Table Web 2" />  
Name="Table Web 3" />  
Name="Balloon Text" />  
Name="Table Theme" />



Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="List Paragraph" />

Name="Intense Quote" />

Steambrite Supply

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >



Steambrite Supply

Name="Subtle Emphasis" />

Name="Intense Emphasis" />

Name="Subtle Reference" />

Name="Intense Reference" />

UnhideWhenUsed="true" Name="Bibliography" />

UnhideWhenUsed="true" QFormat="true" Name="TOC Heading" />

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="Grid Table 1 Light Accent 1" />

Name="Grid Table 6 Colorful Accent 1" />

Name="Grid Table 7 Colorful Accent 1" />

Name="Grid Table 1 Light Accent 2" />

Name="Grid Table 6 Colorful Accent 2" />

Name="Grid Table 7 Colorful Accent 2" />

Name="Grid Table 1 Light Accent 3" />

Name="Grid Table 6 Colorful Accent 3" />

Name="Grid Table 7 Colorful Accent 3" />

Name="Grid Table 1 Light Accent 4" />

Name="Grid Table 6 Colorful Accent 4" />

Name="Grid Table 7 Colorful Accent 4" />

Name="Grid Table 1 Light Accent 5" />

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="Grid Table 6 Colorful Accent 5" />

Name="Grid Table 7 Colorful Accent 5" />

Name="Grid Table 1 Light Accent 6" />

Name="Grid Table 6 Colorful Accent 6" />

Name="Grid Table 7 Colorful Accent 6" />

Name="List Table 1 Light Accent 1" />

Name="List Table 6 Colorful Accent 1" />

Name="List Table 7 Colorful Accent 1" />

Name="List Table 1 Light Accent 2" />

Name="List Table 6 Colorful Accent 2" />

Name="List Table 7 Colorful Accent 2" />

Name="List Table 1 Light Accent 3" />

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="List Table 6 Colorful Accent 3" />

Name="List Table 7 Colorful Accent 3" />

Name="List Table 1 Light Accent 4" />

Name="List Table 6 Colorful Accent 4" />

Name="List Table 7 Colorful Accent 4" />

Name="List Table 1 Light Accent 5" />

Name="List Table 6 Colorful Accent 5" />

Name="List Table 7 Colorful Accent 5" />

Name="List Table 1 Light Accent 6" />

Name="List Table 6 Colorful Accent 6" />

Name="List Table 7 Colorful Accent 6" />

Name="Mention" />

Name="Smart Hyperlink" />

Name="Hashtag" />

Name="Unresolved Mention" />

Name="Smart Link" />

/\* Style Definitions \*/  
table.MsoNormalTable

```
{mso-style-name:"Table Normal";
mso-tstyle-rowband-size:0;
mso-tstyle-colband-size:0;
mso-style-noshow:yes;
mso-style-priority:99;
mso-style-parent:"";
mso-padding-alt:0in 5.4pt 0in 5.4pt;
mso-para-margin-top:0in;
mso-para-margin-right:0in;
mso-para-margin-bottom:8.0pt;
mso-para-margin-left:0in;
line-height:107%;
mso-pagination:widow-orphan;
font-size:11.0pt;
font-family:"Calibri",sans-serif;
mso-ascii-font-family:Calibri;
mso-ascii-theme-font:minor-latin;
mso-hansi-font-family:Calibri;
mso-hansi-theme-font:minor-latin;
mso-bidi-font-family:"Times New Roman";
mso-bidi-theme-font:minor-bidi;
mso-font-kerning:1.0pt;
mso-ligatures:standardcontextual;}
table.MsoTableGrid
{mso-style-name:"Table Grid";
mso-tstyle-rowband-size:0;
mso-tstyle-colband-size:0;
mso-style-priority:39;
mso-style-unhide:no;
border:solid windowtext 1.0pt;
mso-border-alt:solid windowtext .5pt;
mso-padding-alt:0in 5.4pt 0in 5.4pt;
mso-border-insideh:.5pt solid windowtext;
mso-border-insidev:.5pt solid windowtext;
mso-para-margin:0in;
mso-pagination:widow-orphan;
font-size:11.0pt;
font-family:"Calibri",sans-serif;
mso-ascii-font-family:Calibri;
mso-ascii-theme-font:minor-latin;
mso-hansi-font-family:Calibri;
mso-hansi-theme-font:minor-latin;
mso-bidi-font-family:"Times New Roman";
mso-bidi-theme-font:minor-bidi;
mso-font-kerning:1.0pt;
mso-ligatures:standardcontextual;}
```

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Normal  
0

false  
false  
false

EN-US  
X-NONE  
X-NONE

DefSemiHidden="false" DefQFormat="false" DefPriority="99"  
LatentStyleCount="376">

UnhideWhenUsed="true" QFormat="true" Name="heading 2" />

UnhideWhenUsed="true" QFormat="true" Name="heading 3" />

UnhideWhenUsed="true" QFormat="true" Name="heading 4" />

UnhideWhenUsed="true" QFormat="true" Name="heading 5" />

UnhideWhenUsed="true" QFormat="true" Name="heading 6" />

UnhideWhenUsed="true" QFormat="true" Name="heading 7" />

UnhideWhenUsed="true" QFormat="true" Name="heading 8" />

UnhideWhenUsed="true" QFormat="true" Name="heading 9" />

Name="index 1" />

Name="index 2" />

Name="index 3" />

Name="index 4" />

Name="index 5" />

Name="index 6" />

Name="index 7" />

Name="index 8" />

Name="index 9" />

UnhideWhenUsed="true" Name="toc 1" />

UnhideWhenUsed="true" Name="toc 2" />

UnhideWhenUsed="true" Name="toc 3" />

UnhideWhenUsed="true" Name="toc 4" />

UnhideWhenUsed="true" Name="toc 5" />

UnhideWhenUsed="true" Name="toc 6" />

UnhideWhenUsed="true" Name="toc 7" />

UnhideWhenUsed="true" Name="toc 8" />

UnhideWhenUsed="true" Name="toc 9" />

Name="Normal Indent" />



Name="footnote text" />

Name="annotation text" />

Name="header" />

Name="footer" />

Name="index heading" />

UnhideWhenUsed="true" QFormat="true" Name="caption" />

Name="table of figures" />

Name="envelope address" />

Name="envelope return" />

Name="footnote reference" />

Name="annotation reference" />

Name="line number" />

Name="page number" />

Name="endnote reference" />

Name="endnote text" />

Name="table of authorities" />

Name="macro" />

Name="toa heading" />

Name="List" />

Name="List Bullet" />

Name="List Number" />

Name="List 2" />

Name="List 3" />

Name="List 4" />

Name="List 5" />

Name="List Bullet 2" />

Name="List Bullet 3" />

Name="List Bullet 4" />

Name="List Bullet 5" />

Name="List Number 2" />

Name="List Number 3" />

Name="List Number 4" />

Name="List Number 5" />

Name="Closing" />

Name="Signature" />

UnhideWhenUsed="true" Name="Default Paragraph Font" />

Name="Body Text" />

Name="Body Text Indent" />

Name="List Continue" />

Name="List Continue 2" />

Name="List Continue 3" />

Name="List Continue 4" />

Name="List Continue 5" />

Name="Message Header" />

Name="Salutation" />

Name="Date" />

Name="Body Text First Indent" />

Name="Body Text First Indent 2" />

Name="Note Heading" />

Name="Body Text 2" />

Name="Body Text 3" />

Name="Body Text Indent 2" />

Name="Body Text Indent 3" />

Name="Block Text" />

Name="Hyperlink" />

Name="FollowedHyperlink" />

Name="Document Map" />

Name="Plain Text" />

Name="E-mail Signature" />

Name="HTML Top of Form" />

Name="HTML Bottom of Form" />

Name="Normal (Web)" />

Name="HTML Acronym" />

Name="HTML Address" />

Name="HTML Cite" />

Name="HTML Code" />

Name="HTML Definition" />

Name="HTML Keyboard" />

Name="HTML Preformatted" />

Name="HTML Sample" />

Name="HTML Typewriter" />

Name="HTML Variable" />

Name="Normal Table" />

Name="annotation subject" />

Name="No List" />

Name="Outline List 1" />

Name="Outline List 2" />

Name="Outline List 3" />

Name="Table Simple 1" />

Name="Table Simple 2" />

Name="Table Simple 3" />

Name="Table Classic 1" />

Name="Table Classic 2" />

Name="Table Classic 3" />

Name="Table Classic 4" />

Name="Table Colorful 1" />

Name="Table Colorful 2" />

Name="Table Colorful 3" />

Name="Table Columns 1" />

Name="Table Columns 2" />

Name="Table Columns 3" />

Name="Table Columns 4" />

Name="Table Columns 5" />

Name="Table Grid 1" />

Name="Table Grid 2" />

Name="Table Grid 3" />

Name="Table Grid 4" />

Name="Table Grid 5" />

Name="Table Grid 6" />

Name="Table Grid 7" />

Name="Table Grid 8" />

Name="Table List 1" />

Name="Table List 2" />

Name="Table List 3" />

Name="Table List 4" />

Name="Table List 5" />

Name="Table List 6" />

Name="Table List 7" />

Name="Table List 8" />

Name="Table 3D effects 1" />

Name="Table 3D effects 2" />

Name="Table 3D effects 3" />

Name="Table Contemporary" />

Name="Table Elegant" />

Name="Table Professional" />

Name="Table Subtle 1" />

Name="Table Subtle 2" />

Name="Table Web 1" />

Name="Table Web 2" />

Name="Table Web 3" />

Name="Balloon Text" />

Name="Table Theme" />

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="List Paragraph" />

Name="Intense Quote" />

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Steambrite Supply

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="Subtle Emphasis" />  
Name="Intense Emphasis" />  
Name="Subtle Reference" />  
Name="Intense Reference" />  
  
UnhideWhenUsed="true" Name="Bibliography" />  
UnhideWhenUsed="true" QFormat="true" Name="TOC Heading" />

Name="Grid Table 1 Light Accent 1" />

Name="Grid Table 6 Colorful Accent 1" />  
Name="Grid Table 7 Colorful Accent 1" />  
Name="Grid Table 1 Light Accent 2" />

Name="Grid Table 6 Colorful Accent 2" />



Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Name="Grid Table 7 Colorful Accent 2" />

Name="Grid Table 1 Light Accent 3" />

Name="Grid Table 6 Colorful Accent 3" />

Name="Grid Table 7 Colorful Accent 3" />

Name="Grid Table 1 Light Accent 4" />

Name="Grid Table 6 Colorful Accent 4" />

Name="Grid Table 7 Colorful Accent 4" />

Name="Grid Table 1 Light Accent 5" />

Name="Grid Table 6 Colorful Accent 5" />

Name="Grid Table 7 Colorful Accent 5" />

Name="Grid Table 1 Light Accent 6" />

Name="Grid Table 6 Colorful Accent 6" />

Name="Grid Table 7 Colorful Accent 6" />

Name="List Table 1 Light Accent 1" />

Name="List Table 6 Colorful Accent 1" />

Name="List Table 7 Colorful Accent 1" />

Name="List Table 1 Light Accent 2" />

Name="List Table 6 Colorful Accent 2" />

Name="List Table 7 Colorful Accent 2" />

Name="List Table 1 Light Accent 3" />

Name="List Table 6 Colorful Accent 3" />

Name="List Table 7 Colorful Accent 3" />

Name="List Table 1 Light Accent 4" />

Name="List Table 6 Colorful Accent 4" />

Name="List Table 7 Colorful Accent 4" />

Name="List Table 1 Light Accent 5" />

Name="List Table 6 Colorful Accent 5" />

Name="List Table 7 Colorful Accent 5" />

Name="List Table 1 Light Accent 6" />

Name="List Table 6 Colorful Accent 6" />

Name="List Table 7 Colorful Accent 6" />

Name="Mention" />

Name="Smart Hyperlink" />

Name="Hashtag" />

Name="Unresolved Mention" />

Name="Smart Link" />

```
/* Style Definitions */
table.MsoNormalTable
{mso-style-name:"Table Normal";
mso-tstyle-rowband-size:0;
mso-tstyle-colband-size:0;
mso-style-noshow:yes;
mso-style-priority:99;
mso-style-parent:"";
mso-padding-alt:0in 5.4pt 0in 5.4pt;
mso-para-margin-top:0in;
mso-para-margin-right:0in;
mso-para-margin-bottom:8.0pt;
mso-para-margin-left:0in;
line-height:107%;
mso-pagination:widow-orphan;
font-size:11.0pt;
font-family:"Calibri",sans-serif;
mso-ascii-font-family:Calibri;
mso-ascii-theme-font:minor-latin;
mso-hansi-font-family:Calibri;
mso-hansi-theme-font:minor-latin;
mso-bidi-font-family:"Times New Roman";
mso-bidi-theme-font:minor-bidi;
mso-font-kerning:1.0pt;
mso-ligatures:standardcontextual;}
table.MsoTableGrid
{mso-style-name:"Table Grid";
mso-tstyle-rowband-size:0;
mso-tstyle-colband-size:0;
```

mso-style-priority:39;  
mso-style-unhide:no;  
border:solid windowtext 1.0pt;  
mso-border-alt:solid windowtext .5pt;  
mso-padding-alt:0in 5.4pt 0in 5.4pt;  
mso-border-insideh:.5pt solid windowtext;  
mso-border-insidev:.5pt solid windowtext;  
mso-para-margin:0in;  
mso-pagination:widow-orphan;  
font-size:11.0pt;  
font-family:"Calibri",sans-serif;  
mso-ascii-font-family:Calibri;  
mso-ascii-theme-font:minor-latin;  
mso-hansi-font-family:Calibri;  
mso-hansi-theme-font:minor-latin;  
mso-bidi-font-family:"Times New Roman";  
mso-bidi-theme-font:minor-bidi;  
mso-font-kerning:1.0pt;  
mso-ligatures:standardcontextual;}

Weight

37 lbs.

Max GPM

10

Max L/Min

38

Max PSI

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

2200

Max Bar

150

Power EBHP

15.1

Bore Dia. (mm)

28

Stroke (mm)

15

CSID Stamp

8

Inlet (in)

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

3/4" F

Outlet (in)

3/8" F

Max Temp

180° F

Oil Capacity (oz.)

32

RPM

1450

Shaft Size

24mm

Shaf Version

Neutral Shaft

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Shaft Type

Solid

Specialty

Hot Water

Availability: This product was added to our catalog on Thursday 26 September, 2024