

# RSA-H SERIES POLES

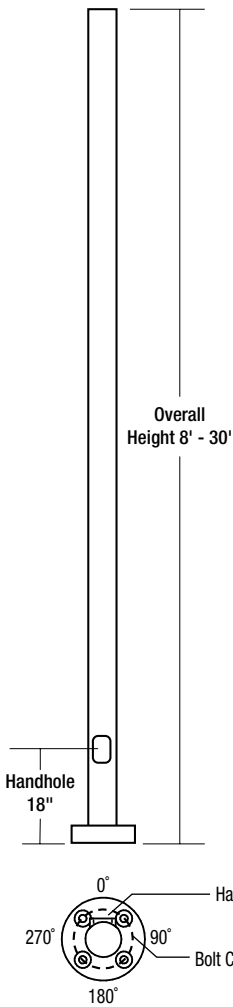
ROUND STRAIGHT ALUMINUM

|       |      |
|-------|------|
| Cat.# |      |
| Job   | Type |



**HUBBELL**  
Outdoor Lighting

Approvals



### APPLICATIONS

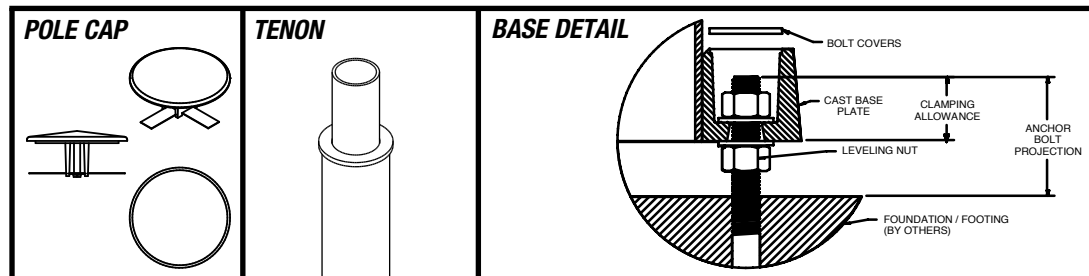
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

### CONSTRUCTION

- **SHAFT:** One-piece straight aluminum with round cross section; Extruded shafts of 6061-T6 aluminum in 1/8", 3/16", or 1/4" thickness. Base plate of 356 cast aluminum.
- **BOLT COVERS:** Four (4) individual bolt covers provided, painted to match pole and base finish.
- **BASE COVER:** 2-Piece base cover supplied with 3" diameter poles
- **POLE CAP:** Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- **HAND HOLE:** Rectangular 3x5 aluminum hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- **ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

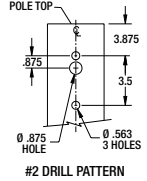
### FINISH

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint finish coat available in seven standard colors; Custom colors available; RAL number preferable.

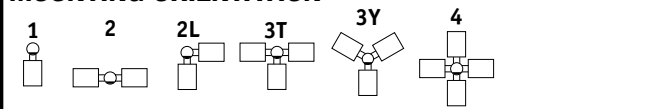


### ORDERING EXAMPLE:

**RSA-H - 16 - 40 - A/B/C - 2L - S2 - DB - VM2**

| SERIES  | HEIGHT                           | SHAFT                            | THICKNESS                        | MOUNTING   | DRILL PATTERN   | FINISH  | OPTIONS  |
|---|----------------------------------|----------------------------------|----------------------------------|--|---|---|--|
| <b>RSA-H</b> Round Straight Aluminum Pole Hubbell Outdoor | Reference page 2 Ordering matrix | Reference page 2 Ordering matrix | Reference page 2 Ordering matrix | <b>1</b> Single arm mount<br><b>2</b> Two fixtures at 180°<br><b>2L</b> Two fixtures at 90°<br><b>3T</b> Three fixtures at 90°<br><b>3Y</b> Three at 120°<br><b>4</b> Four fixtures at 90°<br><b>TA</b> Tenon (2.375" OD)<br><b>TB</b> Tenon (2.875" OD)<br><b>OT</b> Open top (includes pole cap) | <b>S2</b> Spaulding #2 2 bolt 3.5" pattern<br> | <b>DB</b> Dark Bronze Textured<br><b>BL</b> Black Textured<br><b>WH</b> White Textured<br><b>GR</b> Gray Textured<br><b>PS</b> Platinum Silver Smooth<br><b>CC</b> Custom Color | <b>GFI'</b> 20 Amp GFCI Receptacle and Cover<br><b>EHH'</b> Extra Handhole<br><b>C05'</b> .5" Coupling<br><b>C07'</b> .75" Coupling<br><b>C20'</b> 2" Coupling<br><b>VM2</b> 2nd mode vibration damper<br><b>LAB</b> Less Anchor Bolts |

### MOUNTING ORIENTATION



### ACCESSORIES- Order Separately

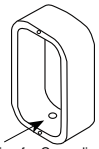
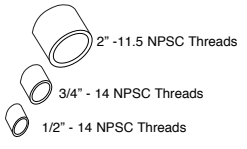
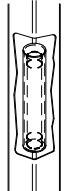
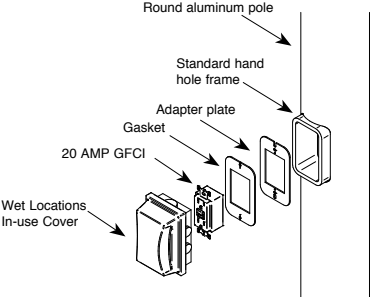
| Catalog Number | Description               |
|----------------|---------------------------|
| <b>VM2SXX</b>  | 2nd mode vibration damper |

1 Specify option location using logic found on page 2 (Option Orientation)

# ORDERING INFORMATION Cont.

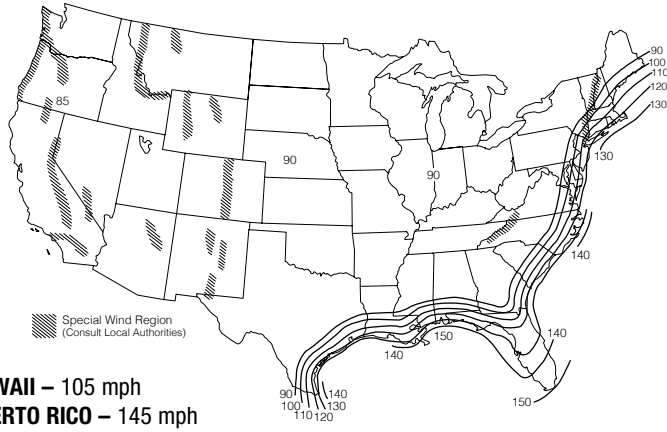
| Catalog Number | Height |        | Nominal Shaft Dimensions | Wall Thickness | Bolt Circle (suggested) | Bolt Square (range) | Base Plate Diameter    | Anchor bolt size | Bolt Projection | Pole weight (lbs) |
|----------------|--------|--------|--------------------------|----------------|-------------------------|---------------------|------------------------|------------------|-----------------|-------------------|
|                | Feet   | Meters |                          |                |                         |                     |                        |                  |                 |                   |
| RSA-H-08-30-A  | 8      | 2.4    | 3" Round                 | .125           | 6"                      | 5.66                | TRIANGULAR             | 5/8 x 24 x 3     | 2-3/4"          | 18                |
| RSA-H-08-30-C  | 8      | 2.4    | 3" Round                 | .25            | 6"                      | 5.66                | TRIANGULAR             | 5/8 x 24 x 3     | 2-3/4"          | 28                |
| RSA-H-10-40-A  | 10     | 3.0    | 4" Round                 | .125           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 27                |
| RSA-H-12-40-A  | 12     | 3.7    | 4" Round                 | .125           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 31                |
| RSA-H-14-40-A  | 14     | 4.3    | 4" Round                 | .125           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 36                |
| RSA-H-16-40-A  | 16     | 4.9    | 4" Round                 | .125           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 40                |
| RSA-H-18-40-A  | 18     | 5.5    | 4" Round                 | .125           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 45                |
| RSA-H-20-40-A  | 20     | 6.1    | 4" Round                 | .125           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 50                |
| RSA-H-10-40-B  | 10     | 3.0    | 4" Round                 | .188           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 38                |
| RSA-H-12-40-B  | 12     | 3.7    | 4" Round                 | .188           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 44                |
| RSA-H-14-40-B  | 14     | 4.3    | 4" Round                 | .188           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 51                |
| RSA-H-16-40-B  | 16     | 4.9    | 4" Round                 | .188           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 58                |
| RSA-H-18-40-B  | 18     | 5.5    | 4" Round                 | .188           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 65                |
| RSA-H-20-40-B  | 20     | 6.1    | 4" Round                 | .188           | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 71                |
| RSA-H-12-40-C  | 12     | 3.7    | 4" Round                 | .25            | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 57                |
| RSA-H-14-40-C  | 14     | 4.3    | 4" Round                 | .25            | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 66                |
| RSA-H-16-40-C  | 16     | 4.9    | 4" Round                 | .25            | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 75                |
| RSA-H-18-40-C  | 18     | 5.5    | 4" Round                 | .25            | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 83                |
| RSA-H-20-40-C  | 20     | 6.1    | 4" Round                 | .25            | 6.75"                   | 4.77                | 9.62" Dia x 1.88" Thk  | 3/4 x 30 x 3     | 2-3/4"          | 92                |
| RSA-H-08-45-A  | 8      | 2.4    | 4.5" Round               | .125           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 26                |
| RSA-H-10-45-A  | 10     | 3.0    | 4.5" Round               | .125           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 31                |
| RSA-H-12-45-A  | 12     | 3.7    | 4.5" Round               | .125           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 36                |
| RSA-H-14-45-A  | 14     | 4.3    | 4.5" Round               | .125           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 41                |
| RSA-H-16-45-A  | 16     | 4.9    | 4.5" Round               | .125           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 46                |
| RSA-H-18-45-A  | 18     | 5.5    | 4.5" Round               | .125           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 51                |
| RSA-H-20-45-A  | 20     | 6.1    | 4.5" Round               | .125           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 56                |
| RSA-H-12-45-C  | 12     | 3.7    | 4.5" Round               | .25            | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 65                |
| RSA-H-14-45-C  | 14     | 4.3    | 4.5" Round               | .25            | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 75                |
| RSA-H-16-45-C  | 16     | 4.9    | 4.5" Round               | .25            | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 85                |
| RSA-H-18-45-C  | 18     | 5.5    | 4.5" Round               | .25            | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 95                |
| RSA-H-20-45-C  | 20     | 6.1    | 4.5" Round               | .25            | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 105               |
| RSA-H-12-50-B  | 12     | 3.7    | 5" Round                 | .188           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 56                |
| RSA-H-14-50-B  | 14     | 4.3    | 5" Round                 | .188           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 64                |
| RSA-H-16-50-B  | 16     | 4.9    | 5" Round                 | .188           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 73                |
| RSA-H-18-50-B  | 18     | 5.5    | 5" Round                 | .188           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 81                |
| RSA-H-20-50-B  | 20     | 6.1    | 5" Round                 | .188           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 90                |
| RSA-H-25-50-B  | 25     | 7.6    | 5" Round                 | .188           | 7.75"                   | 5.48                | 10.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 111               |
| RSA-H-16-60-A  | 16     | 4.9    | 6" Round                 | .125           | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 60                |
| RSA-H-18-60-A  | 18     | 5.5    | 6" Round                 | .125           | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 67                |
| RSA-H-20-60-A  | 20     | 6.1    | 6" Round                 | .125           | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 74                |
| RSA-H-25-60-A  | 25     | 7.6    | 6" Round                 | .125           | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 91                |
| RSA-H-18-60-C  | 18     | 5.5    | 6" Round                 | .25            | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 127               |
| RSA-H-20-60-C  | 20     | 6.1    | 6" Round                 | .25            | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 140               |
| RSA-H-25-60-C  | 25     | 7.6    | 6" Round                 | .25            | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 174               |
| RSA-H-30-60-C  | 30     | 9.1    | 6" Round                 | .25            | 8.75"                   | 6.19                | 11.62" Dia x 1.88" Thk | 3/4 x 30 x 3     | 2-3/4"          | 208               |

NOTE Factory supplied template must be used when setting anchor bolts. Hubbell Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

|   |   |  |  |
|---|---|--|--|
| <p><b>EHH - EXTRA HANDHOLE</b></p>  <p>Provision for Grounding</p>   | <p><b>C05 - C07 - C20 - COUPLING</b></p>  <p>2" - 11.5 NPS Threads<br/>3/4" - 14 NPS Threads<br/>1/2" - 14 NPS Threads</p> | <p><b>VM2 - VIBRATION DAMPER 2ND MODE</b></p>  <p>Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p>    | <p><b>GFI - 20 AMP GFCI RECEPTACLE &amp; COVER</b></p>  <p>Round aluminum pole<br/>Standard hand hole frame<br/>Adapter plate<br/>Gasket<br/>20 AMP GFCI<br/>Wet Locations In-use Cover</p> |
| <p><b>OPTION ORIENTATION</b></p> <p>Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: <b>RSA-H-20-40-A-TA-DB-C05-0-15</b> (5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.</p> |   | <p><b>VM2SXX - VIBRATION DAMPER 2ND MODE</b></p> <p>Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p> <p>VM2S08 - 8'<br/>VM2S12 - 12'<br/>VM2S16 - 16'<br/>VM2S20 - 20'<br/>VM2S24 - 24'</p> |  |

For more information about pole vibration and vibration dampers, please consult [http://cdn.spauldinglighting.com/content/products/literature/literature\\_files/Pole\\_Wind\\_Induced\\_Flyer\\_HL010022.pdf](http://cdn.spauldinglighting.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HL010022.pdf)  
Due to our continued efforts to improve our products, product specifications are subject to change without notice.

# ASCE7-05 WIND MAP



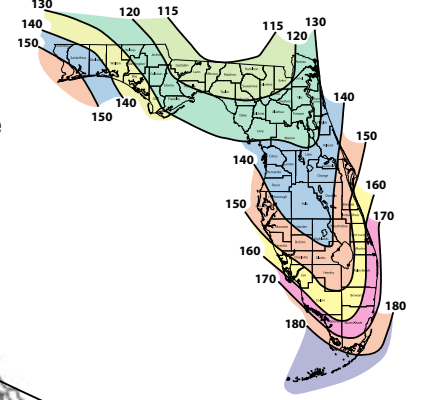
HAWAII – 105 mph  
 PUERTO RICO – 145 mph

\*PRINTED WITH PERMISSION FROM ASCE

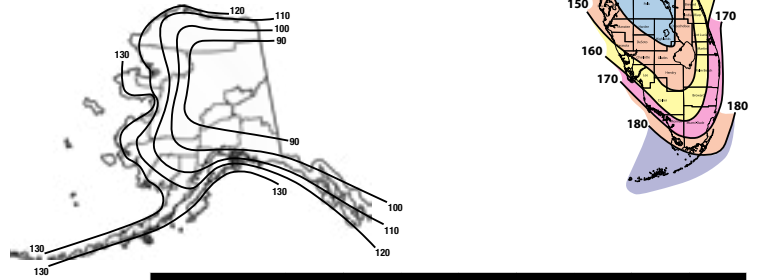
| ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds |      |      |      |      |      |     |     |     |     |     |
|--|------|------|------|------|------|-----|-----|-----|-----|-----|
| Catalog Number   | 85   | 90   | 100  | 105  | 110  | 120 | 130 | 140 | 145 | 150 |
| RSA-H-08-30-A  | 6.3  | 5.5  | 4.3  | 3.8  | 3.4  | 2.7 | 2.2 | 1.7 | 1.5 | 1.4 |
| RSA-H-08-30-C  | 11.8 | 10.5 | 8.5  | 7.6  | 6.9  | 5.6 | 4.7 | 3.9 | 3.6 | 3.3 |
| RSA-H-10-40-A  | 9.0  | 7.9  | 6.2  | 5.5  | 4.8  | 3.9 | 3.2 | 2.7 | 2.5 | 2.3 |
| RSA-H-12-40-A  | 6.8  | 5.9  | 4.5  | 3.9  | 3.4  | 2.6 | 2.1 | 1.7 | 1.6 | 1.4 |
| RSA-H-14-40-A  | 5.1  | 4.4  | 3.1  | 2.6  | 2.2  | 1.6 | 1.2 | 0.9 | 0.8 | 0.7 |
| RSA-H-16-40-A  | 3.8  | 3.2  | 2.1  | 1.6  | 1.3  | 0.7 | 0.5 | NR  | NR  | NR  |
| RSA-H-18-40-A  | 2.7  | 2.1  | 1.2  | 0.8  | NR   | NR  | NR  | NR  | NR  | NR  |
| RSA-H-20-40-A  | 1.7  | 1.2  | NR   | NR   | NR   | NR  | NR  | NR  | NR  | NR  |
| RSA-H-10-40-B  | 13.7 | 12.1 | 9.6  | 8.6  | 7.7  | 6.3 | 5.3 | 4.5 | 4.2 | 3.9 |
| RSA-H-12-40-B  | 10.7 | 9.4  | 7.3  | 6.5  | 5.7  | 4.6 | 3.8 | 3.2 | 3.0 | 2.7 |
| RSA-H-14-40-B  | 8.4  | 7.3  | 5.6  | 4.9  | 4.2  | 3.3 | 2.7 | 2.2 | 2.0 | 1.9 |
| RSA-H-16-40-B  | 6.6  | 5.8  | 4.2  | 3.6  | 3.0  | 2.2 | 1.8 | 1.4 | 1.3 | 1.1 |
| RSA-H-18-40-B  | 5.1  | 4.3  | 3.0  | 2.4  | 2.0  | 1.3 | 1.0 | 0.7 | 0.6 | 0.5 |
| RSA-H-20-40-B  | 3.8  | 3.1  | 2.0  | 1.5  | 1.1  | 0.5 | NR  | NR  | NR  | NR  |
| RSA-H-12-40-C  | 14.1 | 12.5 | 9.9  | 8.8  | 7.9  | 6.4 | 5.4 | 4.6 | 4.2 | 3.9 |
| RSA-H-14-40-C  | 11.3 | 9.9  | 7.7  | 6.8  | 6.0  | 4.8 | 4.0 | 3.4 | 3.1 | 2.9 |
| RSA-H-16-40-C  | 9.1  | 7.9  | 6.0  | 5.3  | 4.6  | 3.5 | 2.9 | 2.4 | 2.2 | 2.0 |
| RSA-H-18-40-C  | 7.3  | 6.3  | 4.6  | 3.9  | 3.3  | 2.4 | 1.9 | 1.6 | 1.4 | 1.2 |
| RSA-H-20-40-C  | 5.7  | 4.8  | 3.4  | 2.8  | 2.3  | 1.5 | 1.1 | 0.8 | 0.7 | 0.6 |
| RSA-H-08-45-A  | 15.9 | 14.1 | 11.2 | 10.1 | 9.2  | 7.7 | 6.5 | 5.6 | 5.2 | 4.8 |
| RSA-H-10-45-A  | 11.9 | 10.5 | 8.2  | 7.3  | 6.6  | 5.5 | 4.6 | 3.9 | 3.6 | 3.4 |
| RSA-H-12-45-A  | 9.1  | 7.9  | 6.1  | 5.3  | 4.8  | 4.0 | 3.3 | 2.8 | 2.5 | 2.3 |
| RSA-H-14-45-A  | 7.0  | 6.0  | 4.4  | 3.8  | 3.4  | 2.8 | 2.2 | 1.8 | 1.7 | 1.5 |
| RSA-H-16-45-A  | 5.4  | 4.5  | 3.1  | 2.6  | 2.3  | 1.8 | 1.4 | 1.1 | 1.0 | 0.9 |
| RSA-H-18-45-A  | 3.9  | 3.2  | 2.0  | 1.5  | 1.3  | 0.9 | 0.7 | NR  | NR  | NR  |
| RSA-H-20-45-A  | 2.7  | 2.1  | 1.0  | 0.6  | 0.5  | NR  | NR  | NR  | NR  | NR  |
| RSA-H-12-45-C  | 18.7 | 16.6 | 13.2 | 11.8 | 10.7 | 9.0 | 7.6 | 6.5 | 6.0 | 5.6 |
| RSA-H-14-45-C  | 15.2 | 13.4 | 10.5 | 9.3  | 8.5  | 7.0 | 5.9 | 5.0 | 4.7 | 4.3 |
| RSA-H-16-45-C  | 12.4 | 10.8 | 8.3  | 7.4  | 6.7  | 5.5 | 4.6 | 3.9 | 3.6 | 3.3 |
| RSA-H-18-45-C  | 10.0 | 8.7  | 6.5  | 5.7  | 5.1  | 4.2 | 3.4 | 2.9 | 2.6 | 2.4 |
| RSA-H-20-45-C  | 8.1  | 6.9  | 5.0  | 4.3  | 3.8  | 3.0 | 2.4 | 2.0 | 1.8 | 1.6 |
| RSA-H-12-50-B  | 18.1 | 16.0 | 12.9 | 11.7 | 10.6 | 8.9 | 7.5 | 6.4 | 5.9 | 5.5 |
| RSA-H-14-50-B  | 14.6 | 12.8 | 10.2 | 9.2  | 8.4  | 7.0 | 5.8 | 5.0 | 4.6 | 4.3 |
| RSA-H-16-50-B  | 11.9 | 10.3 | 8.1  | 7.3  | 6.6  | 5.4 | 4.5 | 3.8 | 3.5 | 3.3 |
| RSA-H-18-50-B  | 9.5  | 8.2  | 6.3  | 5.7  | 5.1  | 4.2 | 3.4 | 2.8 | 2.6 | 2.4 |
| RSA-H-20-50-B  | 7.5  | 6.4  | 4.8  | 4.3  | 3.8  | 3.0 | 2.4 | 2.0 | 1.8 | 1.6 |
| RSA-H-25-50-B  | 3.8  | 2.9  | 1.9  | 1.6  | 1.3  | 0.9 | 0.6 | NR  | NR  | NR  |
| RSA-H-16-60-A  | 11.9 | 10.6 | 8.4  | 7.6  | 6.9  | 5.7 | 4.7 | 4.0 | 3.7 | 3.4 |
| RSA-H-18-60-A  | 9.5  | 8.4  | 6.7  | 6.0  | 5.4  | 4.4 | 3.6 | 3.0 | 2.8 | 2.5 |
| RSA-H-20-60-A  | 7.5  | 6.5  | 5.1  | 4.6  | 4.1  | 3.3 | 2.7 | 2.2 | 2.0 | 1.8 |
| RSA-H-25-60-A  | 3.6  | 3.1  | 2.2  | 1.9  | 1.6  | 1.1 | 0.8 | 0.5 | NR  | NR  |
| RSA-H-18-60-C  | 21.4 | 19.1 | 15.5 | 14.0 | 12.0 | 9.9 | 8.3 | 7.0 | 6.5 | 6.0 |
| RSA-H-20-60-C  | 17.9 | 15.9 | 12.8 | 11.6 | 10.5 | 8.1 | 6.8 | 5.7 | 5.2 | 4.8 |
| RSA-H-25-60-C  | 11.4 | 10.1 | 8.0  | 7.2  | 6.5  | 4.8 | 3.9 | 3.2 | 2.9 | 2.6 |
| RSA-H-30-60-C  | 6.9  | 6.0  | 4.6  | 4.1  | 3.6  | 2.4 | 1.8 | 1.4 | 1.2 | 1.1 |

# FLORIDA REGION WIND MAP

- Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code



# ALASKA REGION WIND MAP



| Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds |      |      |      |      |     |     |     |     |    |
|--|------|------|------|------|-----|-----|-----|-----|----|
| Catalog Number   | 115  | 120  | 130  | 140  | 150 | 160 | 170 | 180 |    |
| RSA-H-08-30-A  | 4.5  | 4.1  | 3.3  | 2.7  | 2.2 | 1.8 | 1.5 | 1.2 |    |
| RSA-H-08-30-C  | 8.8  | 8.1  | 6.8  | 5.7  | 4.9 | 4.1 | 3.5 | 3.0 |    |
| RSA-H-10-40-A  | 6.4  | 5.8  | 4.7  | 3.8  | 3.1 | 2.5 | 2.4 | 2.3 |    |
| RSA-H-12-40-A  | 4.6  | 4.1  | 3.2  | 2.4  | 1.8 | 1.7 | 1.6 | 1.5 |    |
| RSA-H-14-40-A  | 3.2  | 2.8  | 2.0  | 1.4  | 0.9 | NR  | NR  | NR  | NR |
| RSA-H-16-40-A  | 2.1  | 1.7  | 1.0  | 0.5  | NR  | NR  | NR  | NR  | NR |
| RSA-H-18-40-A  | 1.1  | 0.8  | NR   | NR   | NR  | NR  | NR  | NR  | NR |
| RSA-H-10-40-B  | 10.1 | 9.1  | 7.6  | 6.3  | 5.3 | 4.4 | 4.2 | 3.9 |    |
| RSA-H-12-40-B  | 7.6  | 6.9  | 5.6  | 4.5  | 3.7 | 2.9 | 2.8 | 2.7 |    |
| RSA-H-14-40-B  | 5.8  | 5.1  | 4.0  | 3.1  | 2.4 | 1.8 | 1.6 | 1.4 |    |
| RSA-H-16-40-B  | 4.3  | 3.7  | 2.7  | 2.0  | 1.3 | 0.8 | 0.5 | NR  |    |
| RSA-H-18-40-B  | 3.0  | 2.5  | 1.7  | 1.0  | NR  | NR  | NR  | NR  |    |
| RSA-H-20-40-B  | 1.9  | 1.5  | 0.7  | NR   | NR  | NR  | NR  | NR  |    |
| RSA-H-12-40-C  | 10.3 | 9.3  | 7.7  | 6.4  | 5.3 | 4.4 | 4.2 | 4.0 |    |
| RSA-H-14-40-C  | 8.0  | 7.2  | 5.8  | 4.7  | 3.8 | 3.0 | 2.8 | 2.6 |    |
| RSA-H-16-40-C  | 6.2  | 5.5  | 4.3  | 3.3  | 2.5 | 1.9 | 1.7 | 1.5 |    |
| RSA-H-18-40-C  | 4.6  | 4.0  | 3.0  | 2.1  | 1.5 | 0.9 | 0.7 | 0.5 |    |
| RSA-H-20-40-C  | 3.3  | 2.8  | 1.9  | 1.2  | 0.6 | NR  | NR  | NR  |    |
| RSA-H-08-45-A  | 11.7 | 10.7 | 8.9  | 7.5  | 7.0 | 6.1 | 5.3 | 4.6 |    |
| RSA-H-10-45-A  | 8.6  | 7.7  | 6.3  | 5.2  | 5.0 | 4.4 | 3.8 | 3.2 |    |
| RSA-H-12-45-A  | 6.3  | 5.6  | 4.4  | 3.5  | 3.3 | 3.1 | 2.6 | 2.2 |    |
| RSA-H-14-45-A  | 4.6  | 4.0  | 3.0  | 2.2  | 2.0 | 1.9 | 1.8 | 1.4 |    |
| RSA-H-16-45-A  | 3.2  | 2.6  | 1.8  | 1.1  | 1.0 | 0.9 | 0.7 | NR  |    |
| RSA-H-18-45-A  | 1.9  | 1.5  | 0.7  | NR   | NR  | NR  | NR  | NR  |    |
| RSA-H-20-45-A  | 0.9  | 0.5  | NR   | NR   | NR  | NR  | NR  | NR  |    |
| RSA-H-12-45-C  | 13.8 | 12.5 | 10.4 | 8.6  | 8.3 | 7.2 | 6.2 | 5.4 |    |
| RSA-H-14-45-C  | 10.9 | 9.8  | 8.0  | 6.6  | 6.0 | 5.6 | 4.8 | 4.1 |    |
| RSA-H-16-45-C  | 8.6  | 7.7  | 6.1  | 4.8  | 4.6 | 4.4 | 3.7 | 3.1 |    |
| RSA-H-18-45-C  | 6.6  | 5.8  | 4.5  | 3.4  | 3.2 | 3.0 | 2.7 | 2.2 |    |
| RSA-H-20-45-C  | 5.0  | 4.3  | 3.1  | 2.1  | 1.8 | 1.6 | 1.5 | 1.4 |    |
| RSA-H-12-50-B  | 13.2 | 12.0 | 9.9  | 9.4  | 8.0 | 6.8 | 5.9 | 5.1 |    |
| RSA-H-14-50-B  | 10.4 | 9.3  | 7.5  | 7.0  | 6.3 | 5.3 | 4.5 | 3.8 |    |
| RSA-H-16-50-B  | 8.0  | 7.1  | 5.6  | 5.3  | 4.9 | 4.0 | 3.3 | 2.7 |    |
| RSA-H-18-50-B  | 6.1  | 5.3  | 3.9  | 3.6  | 3.3 | 3.0 | 2.3 | 1.8 |    |
| RSA-H-20-50-B  | 4.4  | 3.7  | 2.9  | 2.8  | 2.7 | 2.1 | 1.5 | 1.1 |    |
| RSA-H-25-50-B  | 1.3  | 0.7  | 1.0  | 0.5  | NR  | NR  | NR  | NR  |    |
| RSA-H-16-60-A  | 9.3  | 8.4  | 6.8  | 5.5  | 4.5 | 3.7 | 2.9 | 2.3 |    |
| RSA-H-18-60-A  | 7.4  | 6.6  | 5.3  | 4.2  | 3.3 | 2.5 | 1.9 | 1.4 |    |
| RSA-H-20-60-A  | 5.9  | 5.2  | 4.0  | 3.0  | 2.2 | 1.6 | 1.0 | 0.6 |    |
| RSA-H-25-60-A  | 3.0  | 2.4  | 1.5  | 0.8  | 0.2 | NR  | NR  | NR  |    |
| RSA-H-18-60-C  | 16.5 | 15.0 | 12.4 | 10.4 | 8.7 | 7.4 | 6.2 | 5.2 |    |
| RSA-H-20-60-C  | 13.8 | 12.5 | 10.3 | 8.5  | 7.0 | 5.8 | 4.8 | 4.0 |    |
| RSA-H-25-60-C  | 9.0  | 8.0  | 6.3  | 4.9  | 3.8 | 2.9 | 2.1 | 1.5 |    |
| RSA-H-30-60-C  | 5.6  | 4.8  | 3.5  | 2.4  | 1.5 | 0.8 | NR  | NR  |    |



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## NOTES

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- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Hubbell Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations. [http://cdn.spauldinglighting.com/content/products/literature/literature\\_files/Pole\\_Wind\\_Induced\\_Flyer\\_HL010022.pdf](http://cdn.spauldinglighting.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HL010022.pdf)
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

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