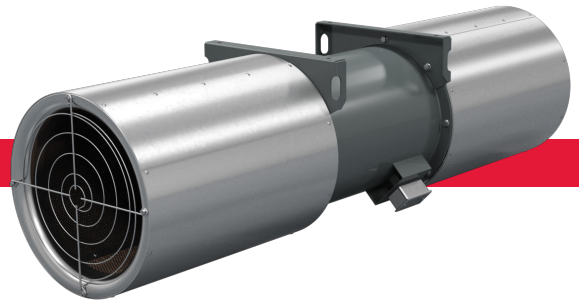
JS

JetStream | Product Guide | LOREN COOK COMPANY

# **INTRO**DUCTION

JetStream fans are designed to sweep away carbon monoxide (CO) and other noxious gases from parking structures.



## **ESSENTIAL** ADVANTAGES

**DESIGNED WITH**
Uni-directional and bi-directional jet air movement for parking structure applications

**EQUIPPED WITH**
Heavy-duty cast aluminum axial impeller

**UL**
Standard UL 705 listing for all JS fans

**OFFERED IN**
3 sizes with various fan velocity profiles for each size

**PERFORMANCE RANGE**
Consult Cook's selection software for accurate selection

**AMCA 250**
Certified

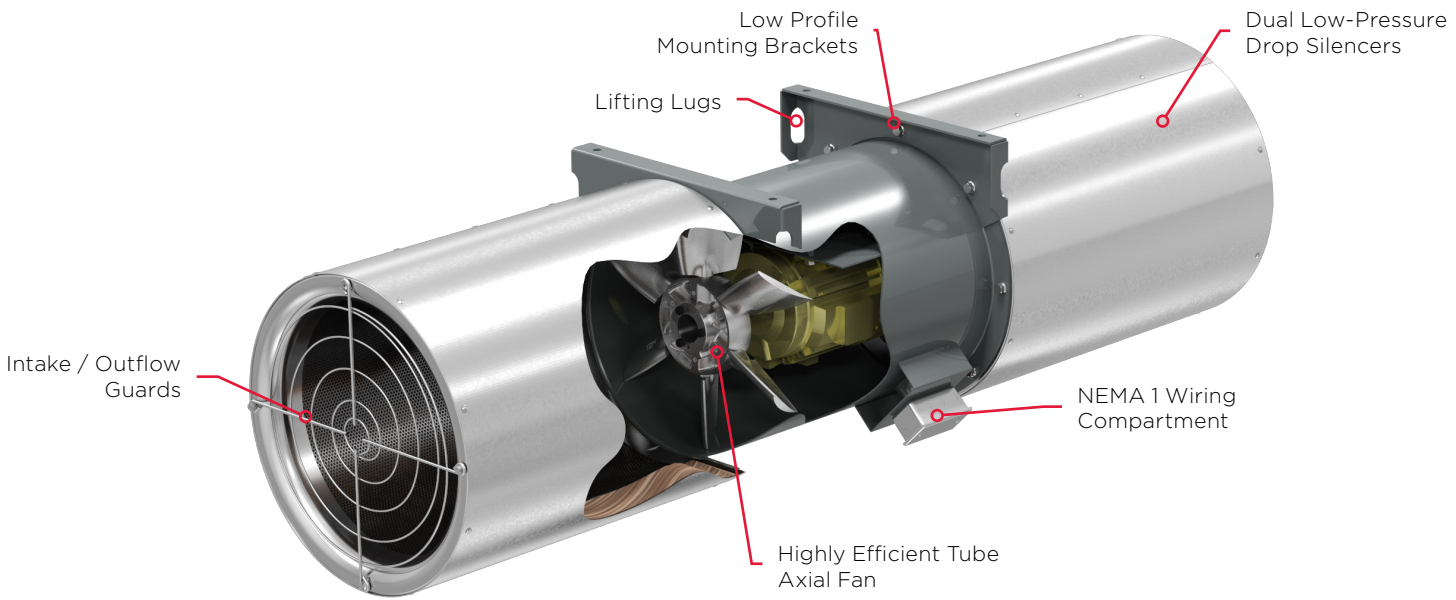
## **EXTRA** BENEFITS

- JetStream ductless garage ventilation simplifies system design
- Ductless system design lowers overall construction cost
- Direct drive design reduces maintenance

# **STANDARD** FEATURES

The standard construction features are shown below on the JS.

## **STANDARD** FEATURES



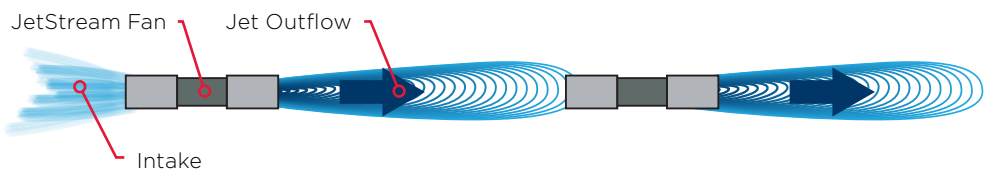


The JS Diverter allows outlet airflow to be directed or deflected to the area being served. Choose this diverter for a parking garage with obstructions or tight spaces.

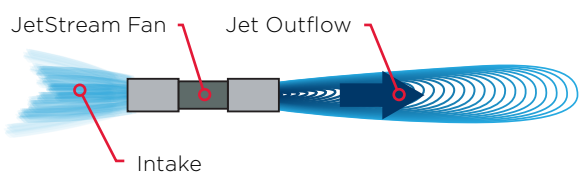
# **APP**LICATION

The standard application features are shown below on the JS.

## MULTIPLE




## SINGLE




## **DESIGN** BENEFITS

Single or multiple JetStream fans are placed to sweep away carbon monoxide (CO) and other noxious gases.

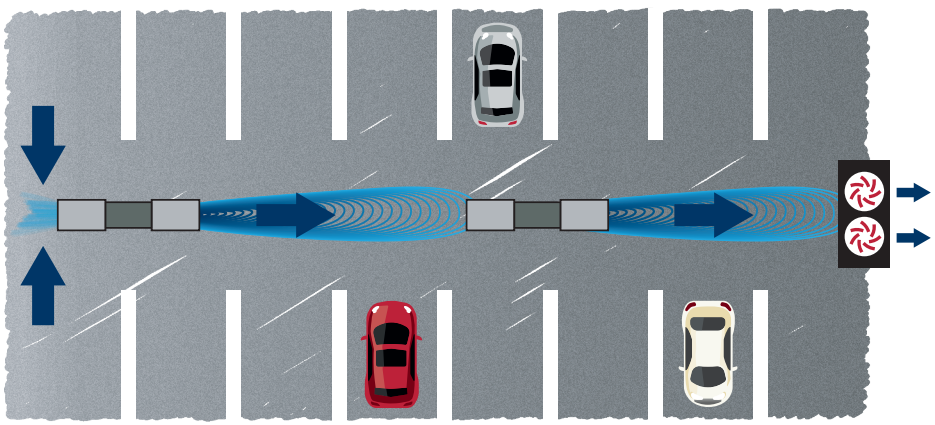
Multiple fans will typically be aligned to create a curtain or series of jets.

A single JetStream is located in the isle to create a jet of air movement from left to right.

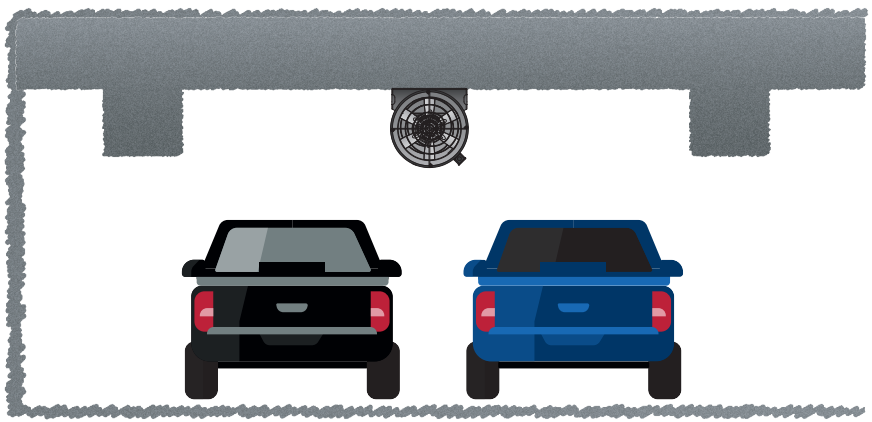
# **APP**LICATION CONTINUED

The standard application features are shown below for the concept of positioning with beam pockets.

## **SLAB** FEATURE



## **CEILING** SLAB

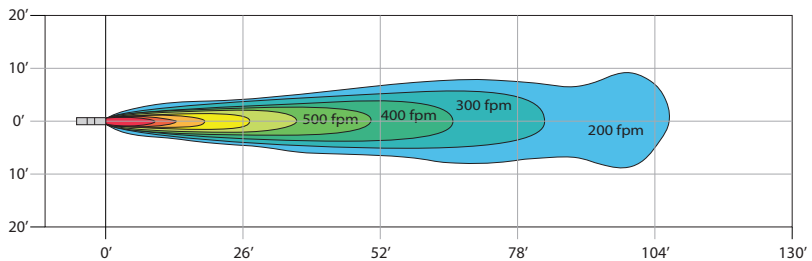


# **THROW** CHARTS

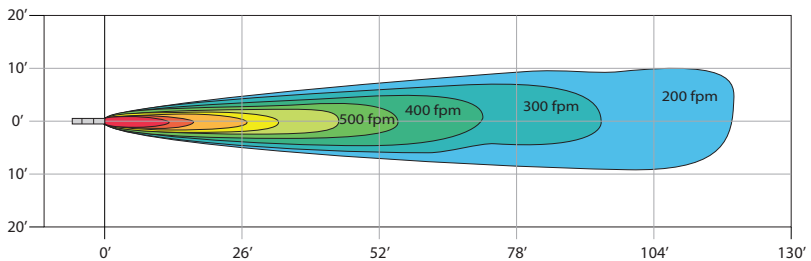
The jet fan velocity profiles are used for preliminary spacing of JetStream fans. Throw charts are shown below.

## **SIZE 31** JS

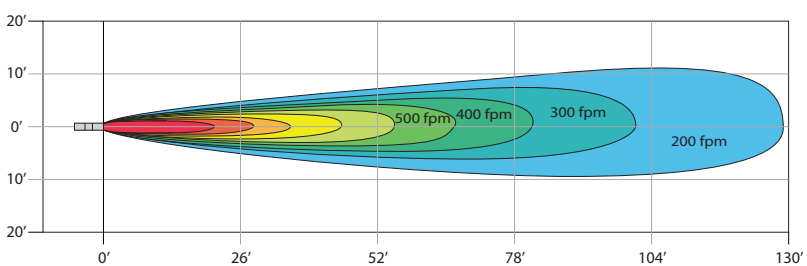
**31JS-28**




**31JS-33**




**31JS-42**

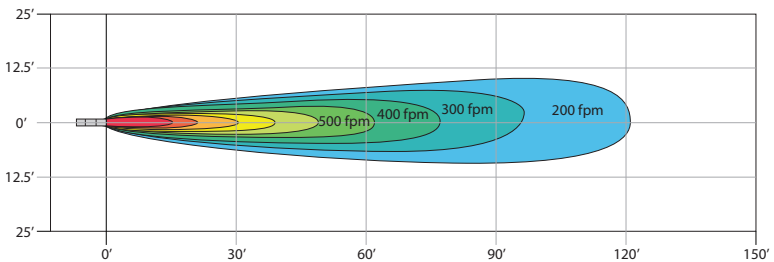


# **THROW** CHARTS

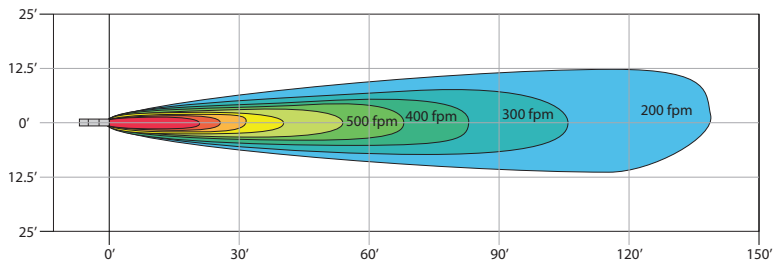
The jet fan velocity profiles are used for preliminary spacing of JetStream fans. Throw charts are shown below.

## **SIZE 36** JS

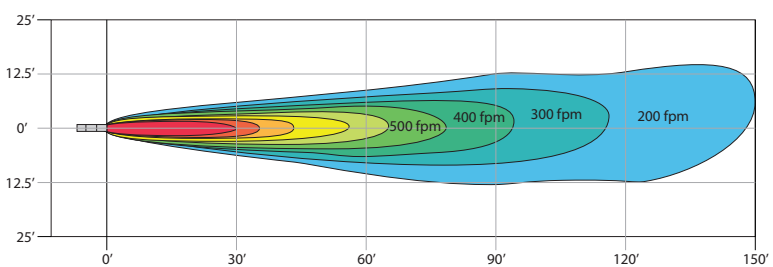
### 36JS-22




### 36JS-26




### 36JS-32

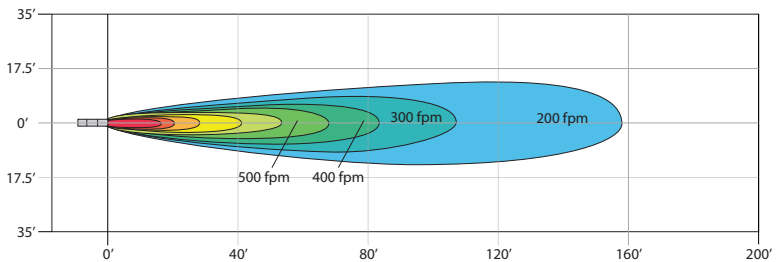


# **THROW** CHARTS

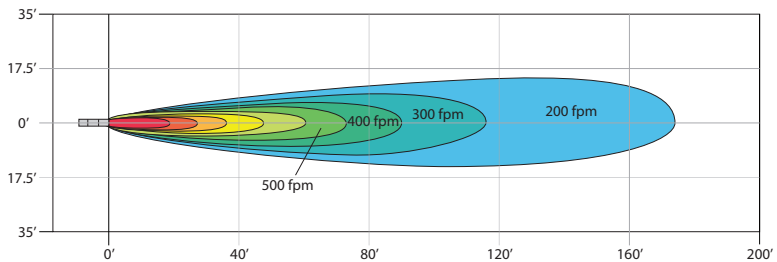
The jet fan velocity profiles are used for preliminary spacing of JetStream fans. Throw charts are shown below.

## **SIZE 41** JS

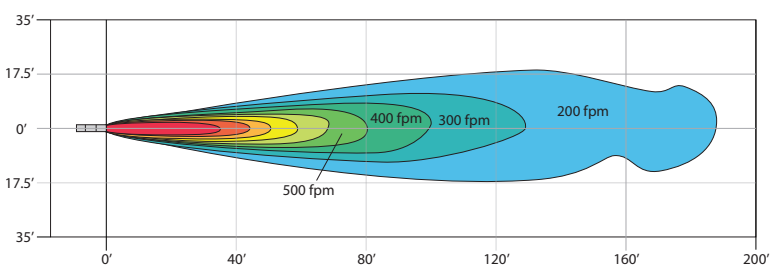
### 41JS-20




### 41JS-22




### 41JS-28



# **JETSTREAM** ISOLATORS

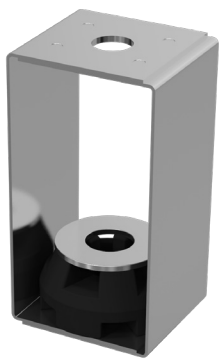
JetStream isolators are used to minimize the amount of vibration and noise that is transmitted to the surrounding environment. See our Vibration Isolation Brochure for more information.

## SPRING

Ceiling Mounted

## **RUBBER**-IN-SHEAR

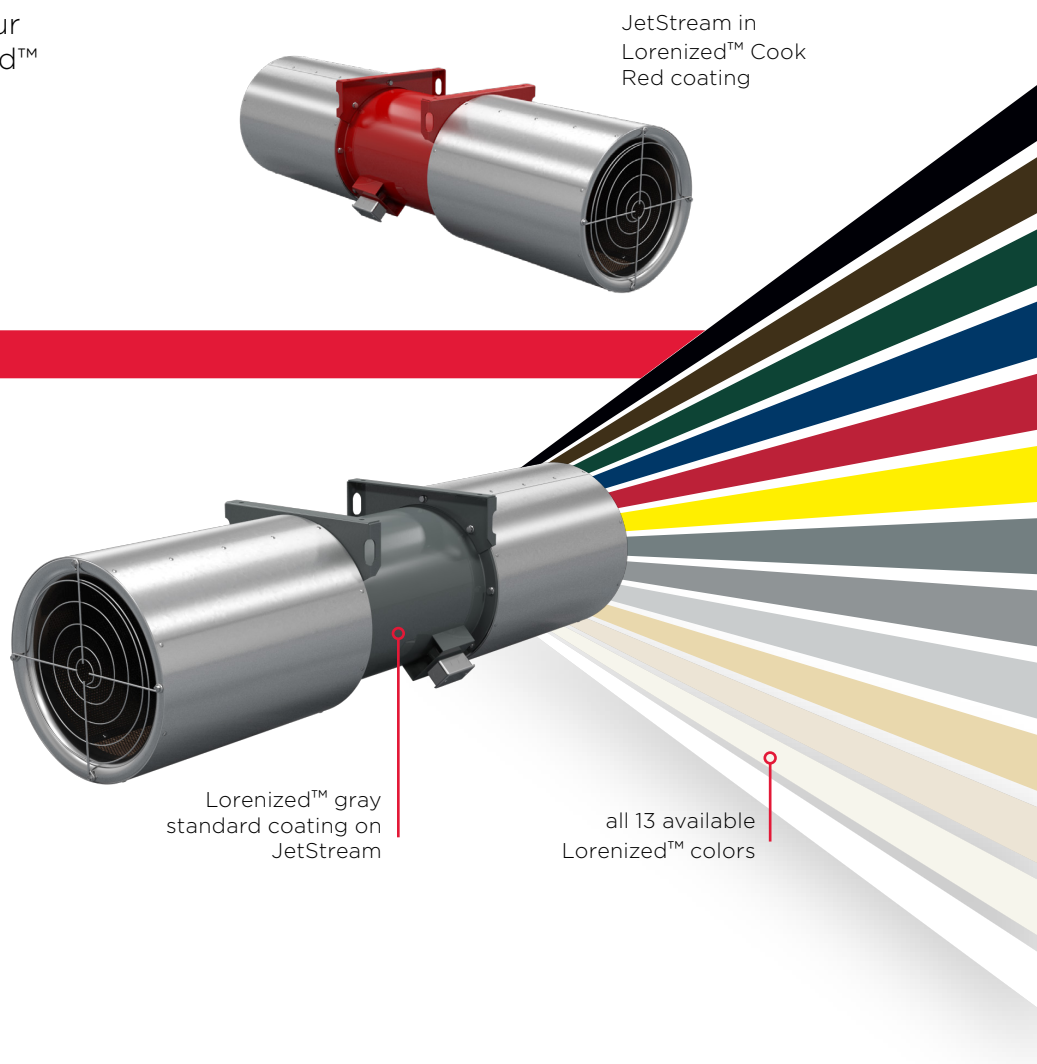
Ceiling Mounted



***See our Vibration Isolation Brochure for more information.***

# **STANDARD** COATINGS

JetStream is available with a variety of coatings to meet your needs. The Lorenized™ coating in gray is standard. Lorenized™ is also available in 12 other colors shown.




## **LORENIZED™** COATING

- Electrostatically applied, baked polyester powder coating
- Undergoes a five-stage environmentally friendly pretreatment/wash process before coating
- Baked and cured at 400°F; final coating thickness of 2.5–3.5 mil
- Coating is required to exceed 1,000 hour salt spray under ASTM B117 test method
- Offers strong chemical resistance, efficient mechanical performance and tough protection from outdoor elements

# **OPTIONAL** COATINGS

Each type of coating offers unique qualities, benefits and color availability.

## **COOK** HIGH TEMP COATING

- Solvent based, heat resistant liquid coating which exhibits good corrosion resistance and color stability
- Final coating thickness is 0.8–1.5 mil
- Withstands service temperatures up to 1,000°F

Available in **BLACK**.

## **COOK** EPOXY POWDER

- Electrostatically applied, baked epoxy powder coating
- Final coating thickness is 2.5–3.5 mil
- For outdoor applications, an optional UV resistant topcoat is available to prevent coating deterioration

Available in **DARK GRAY**.

## **AIR DRY** PHENOLIC

**HERESITE® VR-514**

- Conventional spray applied phenolic resin coating
- Final coating thickness is 2.0–4.0 mil
- For outdoor applications, an optional UV resistant topcoat (Heresite® UC-5500) is required to prevent deterioration of the coating

Available in **BROWN**.

## **COOK** EASY-CLEAN POWDER

- Electrostatically applied, baked modified epoxy silicone powder coating
- High temperature "non-stick" coating
- Final coating thickness is 1.0–2.0 mil

Available in **BLACK**.

## **COOK** PHENOLIC EPOXY POWDER

- Electrostatically applied, baked phenolic epoxy powder coating
- Final coating thickness is 1.5–4.0 mil
- For outdoor applications, an optional UV resistant topcoat is required to prevent coating deterioration

Available in **LIGHT GRAY** and **BROWN**.

***See our Coatings Brochure for more information.***

# **JETSTREAM** CERTIFICATIONS

Through professional third party companies, the following information explains which products have obtained and maintained the title of "certified" here at Loren Cook Company.

## **AMCA** SOUND AND AIR

### AMCA CERTIFIED RATINGS SEAL

Loren Cook products that bear the AMCA Certified Ratings Seal are licensed by AMCA International. These products meet the AMCA Standard and are within the product scope of AMCA International.

All Models

## **SMOKE** CONTROL

### POWER VENTILATOR FOR SMOKE CONTROL SYSTEMS

The UL Listing "Power Ventilator for Smoke Control Systems" is a test procedure and category initiated by Loren Cook Company and developed in a joint effort with UL in 1990. The products below are UL Smoke Control Listed.

All Models

Listed

### UL Requirements

- Unit must be listed under UL 705
- Unit must withstand specified elevated air stream temperature for specified duration

**For more information, see Seismic Certification Flyer.**

## **UL 705** LISTED

### POWER VENTILATOR

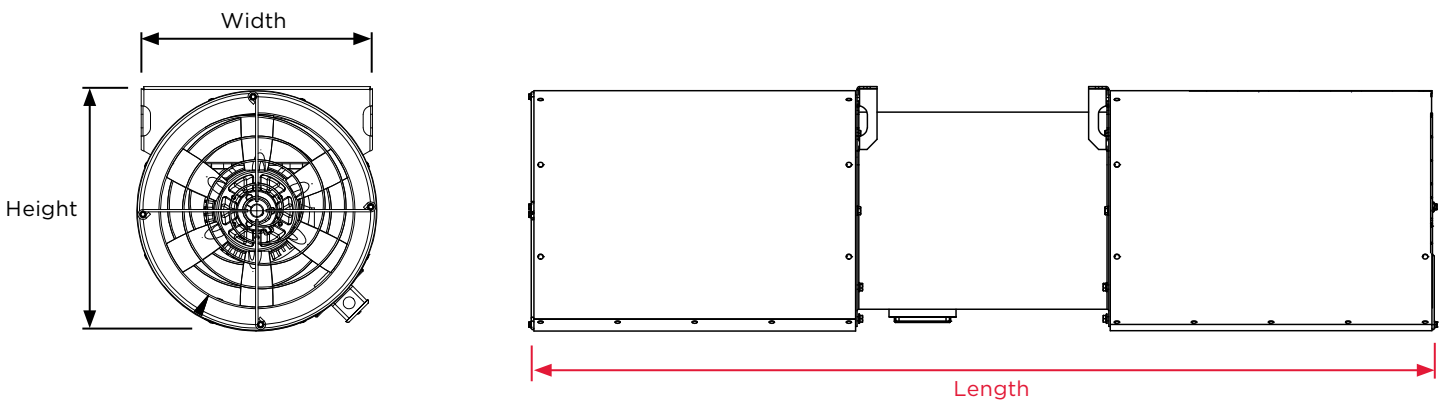
The UL 705 Listing is the standard for electrical safety for permanently connected power ventilators. All Propeller Wall models are constructed in accordance with UL 705, only when with motors.

All Models

# **OVERALL** DIMENSIONS

The following overall dimensions are in inches. For more detailed dimensions, see the product submittal.

## JS




| Unit Size | 31 | 36 | 41 |
|---|---|---|---|
| **Height** | 21 ⅛ | 21 ⅛ | 21 ⅛ |
| **Length** | 60 | 67 | 74 |
| **Width** | 15 ⅜ | 17 ⁷⁄₁₆ | 19 ½ |

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