

MARK: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 DATE: \_\_\_\_\_



**Laboratory Exhaust  
 Mixed-Flow Inline  
 Bifurcated Direct Drive  
 with 1x1 Mixing Box**

**DIMENSION DATA**

| Size | A         | B  | C        | D        | F   | G Height | H  | J Width | STD Unit Weight | HP Unit Weight |
|------|-----------|----|----------|----------|-----|----------|----|---------|-----------------|----------------|
| 150  | 120       | 30 | 29 1/8   | 29 1/8   | 43  | 16 9/16  | 8  | 20 9/16 | 944             | 944            |
| 165  | 120       | 32 | 31 1/8   | 31 1/8   | 46  | 18 5/16  | 8  | 22 9/16 | 1010            | 1012           |
| 180  | 120       | 34 | 33 1/8   | 33 1/8   | 48  | 19 1/16  | 8  | 24 9/16 | 1073            | 1075           |
| 202  | 125 13/16 | 38 | 36 15/16 | 36 15/16 | 54  | 22 9/16  | 8  | 28 9/16 | 1283            | 1284           |
| 225  | 134 3/4   | 42 | 40 15/16 | 40 15/16 | 59  | 22 9/16  | 9  | 30 9/16 | 1553            | 1557           |
| 245  | 146 1/16  | 44 | 42 15/16 | 42 15/16 | 62  | 24 13/16 | 9  | 32 9/16 | 1934            | 1717           |
| 270  | 155 5/16  | 48 | 46 15/16 | 46 15/16 | 67  | 26 9/16  | 9  | 36 9/16 | 1712            | 1925           |
| 300  | 171 1/16  | 52 | 50 15/16 | 50 15/16 | 72  | 29 13/16 | 9  | 40 9/16 | 1924            | 2262           |
| 330  | 185 3/4   | 56 | 54 13/16 | 54 13/16 | 78  | 33       | 9  | 44 1/2  | 2261            | 2443           |
| 365  | 203 3/16  | 62 | 60 3/4   | 60 3/4   | 87  | 35       | 11 | 46 3/8  | 3074            | 3077           |
| 402  | 222       | 67 | 65 5/8   | 65 5/8   | 95  | 41 1/4   | 11 | 50 5/16 | 3842            | 3840           |
| 445  | 248 1/8   | 74 | 72 5/8   | 72 5/8   | 106 | 47       | 13 | 53 5/16 | 4894            | 4887           |
| 490  | 271       | 80 | 78 1/2   | 78 1/2   | 117 | 57 1/4   | 13 | 59 1/8  | 7165            | 7163           |

ALL DIMENSIONS IN INCHES. WEIGHTS IN LBS., LESS MOTOR AND DRIVES.  
 \* RECOMMENDED CURB OUTSIDE SQUARE DIMENSION.  
 \*\* MIXING BOX INSIDE SQUARE DIMENSION.  
 \*\*\* DIMENSION IS FROM THE BOTTOM OF THE CURB CAP TO THE TOP OF THE CURB.

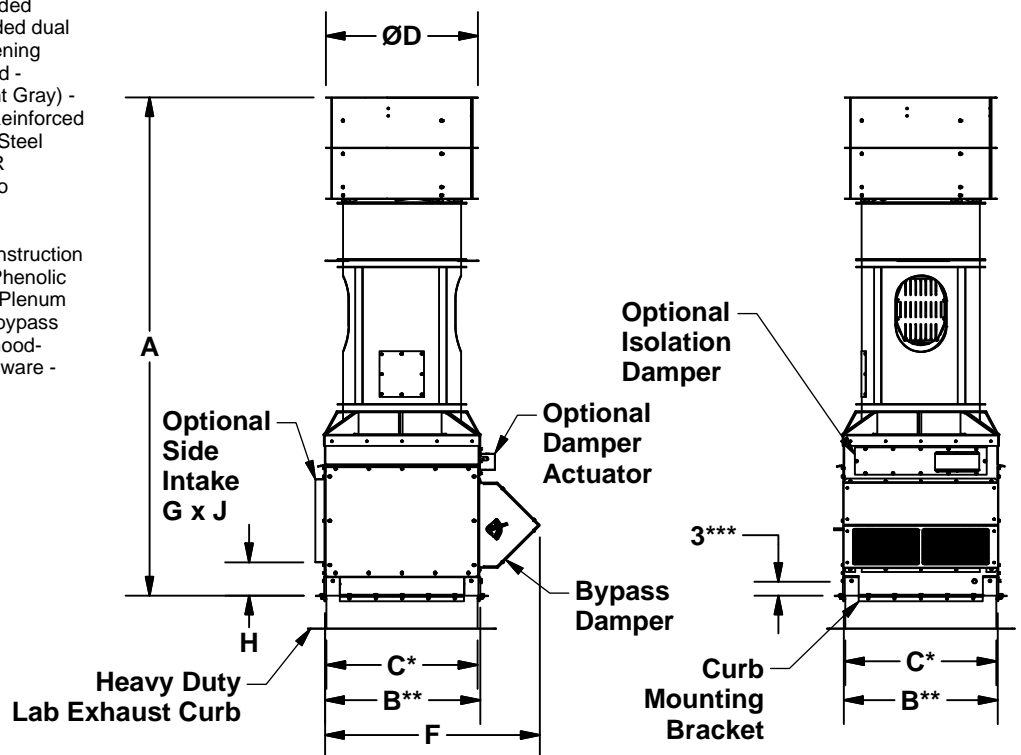
**STANDARD CONSTRUCTION FEATURES:**

High efficiency, non-overloading mixed-flow welded aluminum wheel - Minimum 14 gauge steel welded dual access housing - Welded aerodynamic straightening vanes - Hinged discharge damper with windband - Phenolic epoxy powder with UV protection (Light Gray) - Bolted access door - Lifting Lugs - Fan drain - Reinforced curb cap - Stainless Steel hardware - Stainless Steel extended lube lines when applicable - NEMA 3R disconnect mounted and pre-wired - Designed to withstand 125 mph wind\*\*\*\*

**BYPASS PLENUM:** Single wall welded steel construction with inner angle frame - Bottom inlet location - Phenolic epoxy powder with UV protection (Light Gray) - Plenum drain - Bolted access door - Painted Aluminum bypass damper with manual hand quadrant - Weather hood - Stainless steel birdscreen - Stainless Steel hardware - Designed to withstand 125 mph wind \*\*\*\*

**OPTIONAL FEATURES SHOWN:**

Heavy Duty Lab Exhaust Curb  
 Isolation Damper  
 Isolation Damper Actuator  
 Side Intake Opening



NOT INTENDED TO BE SUPPORTED BY TRADITIONAL SHEETMETAL ROOF CURB, BUT BY INTEGRAL MEMBERS OF ROOF STRUCTURE.  
 \*\*\*\* WINDLOAD RATING DEPENDANT ON ADEQUATE ATTACHMENT TO ROOF STRUCTURE.