

MARK: _____

PROJECT: _____

DATE: _____



Vari-Plume®
Laboratory Exhaust
Mixed-Flow Inline Belt Drive
With 1x2 Mixing Box
Opposed Bypass

DIMENSION DATA

| Size | A | B | C | D | E | F | G Height | H | J Width | K | L | M | Unit Weight | |
|------|-----------|----|----------|----------|-----------|----------|----------|----|---------|----------|----------|--------|-------------|-------|
| | | | | | | | | | | | | | STD | HP |
| 90 | 92 3/16 | 28 | 27 3/16 | 24 7/16 | 84 1/8 | 75 | 10 9/16 | 8 | 19 3/4 | 63 5/16 | 64 | 36 1/2 | 1467 | 1476 |
| 120 | 108 9/16 | 28 | 27 3/16 | 32 9/16 | 89 | 78 | 12 13/16 | 8 | 19 3/4 | 63 5/16 | 64 | 36 1/2 | 1689 | 1693 |
| 135 | 117 1/8 | 28 | 27 1/8 | 36 11/16 | 95 15/16 | 84 7/16 | 14 13/16 | 8 | 18 9/16 | 67 3/4 | 68 7/16 | 41 | 2141 | 2144 |
| 150 | 118 3/16 | 30 | 29 1/8 | 38 5/16 | 99 15/16 | 88 7/16 | 16 9/16 | 8 | 20 9/16 | 70 3/4 | 71 7/16 | 42 | 2250 | 2254 |
| 165 | 127 11/16 | 32 | 31 1/8 | 42 1/8 | 104 11/16 | 96 7/16 | 18 5/16 | 8 | 22 9/16 | 76 3/4 | 77 7/16 | 46 | 2564 | 2589 |
| 180 | 137 1/16 | 34 | 33 1/8 | 46 | 112 11/16 | 104 7/16 | 19 1/16 | 8 | 24 9/16 | 83 3/4 | 84 7/16 | 51 | 3029 | 3050 |
| 202 | 150 | 38 | 36 15/16 | 51 3/4 | 122 7/16 | 116 7/16 | 22 9/16 | 8 | 28 9/16 | 93 9/16 | 94 7/16 | 57 | 3658 | 3684 |
| 225 | 162 15/16 | 42 | 40 15/16 | 57 1/2 | 136 11/16 | 128 7/16 | 22 9/16 | 9 | 30 9/16 | 103 9/16 | 104 7/16 | 63 | 4163 | 4224 |
| 245 | 175 1/16 | 44 | 42 15/16 | 62 9/16 | 145 15/16 | 139 7/16 | 24 13/16 | 9 | 32 9/16 | 111 9/16 | 112 7/16 | 69 | 4876 | 4919 |
| 270 | 173 13/16 | 48 | 46 15/16 | 66 3/8 | 152 15/16 | 147 7/16 | 26 9/16 | 9 | 36 9/16 | 118 9/16 | 119 7/16 | 72 | 5526 | 5558 |
| 300 | 192 1/8 | 52 | 50 15/16 | 73 3/4 | 166 9/16 | 163 7/16 | 29 13/16 | 9 | 40 9/16 | 130 9/16 | 131 7/16 | 80 | 6702 | 6743 |
| 330 | 207 15/16 | 56 | 54 13/16 | 81 1/8 | 183 9/16 | 178 7/16 | 33 1/16 | 9 | 44 9/16 | 142 9/16 | 143 7/16 | 88 | 7464 | 7516 |
| 365 | 228 7/8 | 62 | 60 3/4 | 89 3/4 | 199 | 199 1/4 | 35 1/16 | 11 | 46 7/16 | 158 1/4 | 159 1/4 | 98 | 9812 | 9924 |
| 402 | 249 11/16 | 67 | 65 5/8 | 98 15/16 | 219 1/2 | 220 1/4 | 41 5/16 | 11 | 50 3/8 | 173 1/4 | 174 1/4 | 108 | 11943 | 12058 |
| 445 | 278 3/8 | 74 | 72 5/8 | 109 3/8 | 237 1/8 | 248 1/4 | 47 1/16 | 13 | 55 3/8 | 191 1/4 | 192 1/4 | 119 | 14258 | 14356 |
| 490 | 308 1/4 | 80 | 78 1/2 | 120 7/16 | 259 1/4 | 276 1/8 | 57 5/16 | 13 | 59 3/16 | 209 1/8 | 210 1/8 | 131 | 23049 | 23198 |
| 540 | 338 15/16 | 87 | 85 3/8 | 132 3/4 | 280 3/4 | 310 1/4 | 66 1/16 | 15 | 62 3/16 | 230 1/8 | 231 1/4 | 145 | 27513 | 27793 |
| 600 | 386 9/16 | 96 | 94 3/8 | 147 1/2 | 305 5/8 | 352 1/4 | 81 9/16 | 15 | 69 3/16 | 255 1/8 | 256 1/4 | 161 | 33286 | 33634 |

ALL DIMENSIONS IN INCHES. WEIGHTS IN LBS., LESS MOTOR.
 * 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.

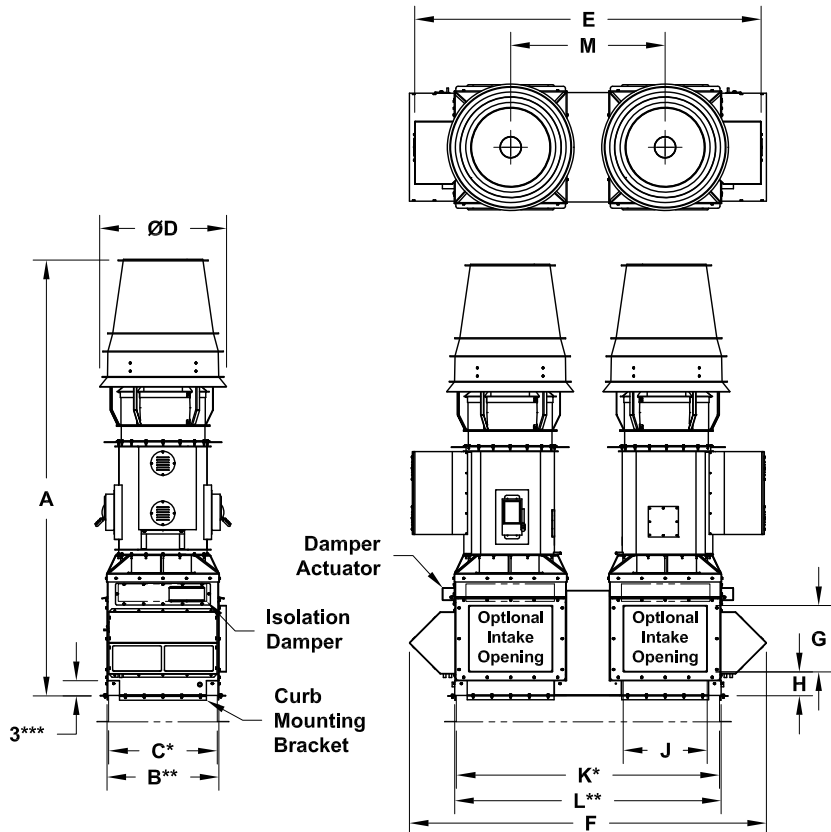
STANDARD CONSTRUCTION FEATURES:

High efficiency, non-overloading mixed-flow welded wheel - Minimum 14 gauge steel welded housing - Welded aerodynamic straightening vanes - Double concentric accelerator aluminum induction nozzle and windband - Phenolic epoxy powder with UV protection (Light Gray) - L10/40k Concentric locking regreasable bearings - Bolted access door - Lifting lugs - Fan drain - Weather cover - Reinforced curb cap - Stainless Steel shaft - Stainless Steel hardware - Stainless Steel extended lube lines - NEMA 3R disconnect mounted and pre-wired - 1.5 Service factor drives - 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 - Painted aluminum isolation damper with 2 position actuator - Weather hood - Stainless steel birdscreen - Stainless Steel hardware - Designed to withstand 125 mph wind****

OPTIONAL FEATURES SHOWN:

Heavy Duty Lab Exhaust Curb
 Side Intake Opening
 Damper Actuator



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.