

MARK: \_\_\_\_\_

PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_



**Vari-Plume®**  
**Laboratory Exhaust**  
**Mixed-Flow Inline**  
**Bifurcated Belt Drive**  
**With Isolation Box**

**DIMENSION DATA**

Size	A	B	C	D	E	Unit Weight	
						STD	HP
90	79	28	27 3/16	23	36 11/16	464	469
120	85	28	27 3/16	28	40 7/16	543	546
135	90	28	27 1/8	28	41 5/8	623	576
150	101	30	29 1/8	36	44 1/8	738	749
165	104	32	31 1/8	36	45 1/2	838	863
180	111	34	33 1/8	43	48	1011	1031
202	118	38	36 15/16	50	51 7/8	1232	1254
225	127	42	40 15/16	50	58	1391	1437
245	135	44	42 15/16	61	60 5/8	1602	1643
270	144	48	46 15/16	61	64 5/8	1813	1849
300	162	52	50 15/16	74	69 7/16	2337	2377
330	168	56	54 13/16	74	75 15/16	2691	2751
365	189	62	60 3/4	89	81 5/8	3819	3999
402	197	67	65 5/8	89	89 5/16	4327	4430
445	216	74	72 5/8	89	96 1/8	4946	5046
490	234	80	78 1/2	101	104 1/16	7631	7761
540	252	87	85 3/8	101	111 3/8	8412	8552
600	275	96	94 3/8	101	120 5/16	9724	9851

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

**STANDARD CONSTRUCTION FEATURES:**

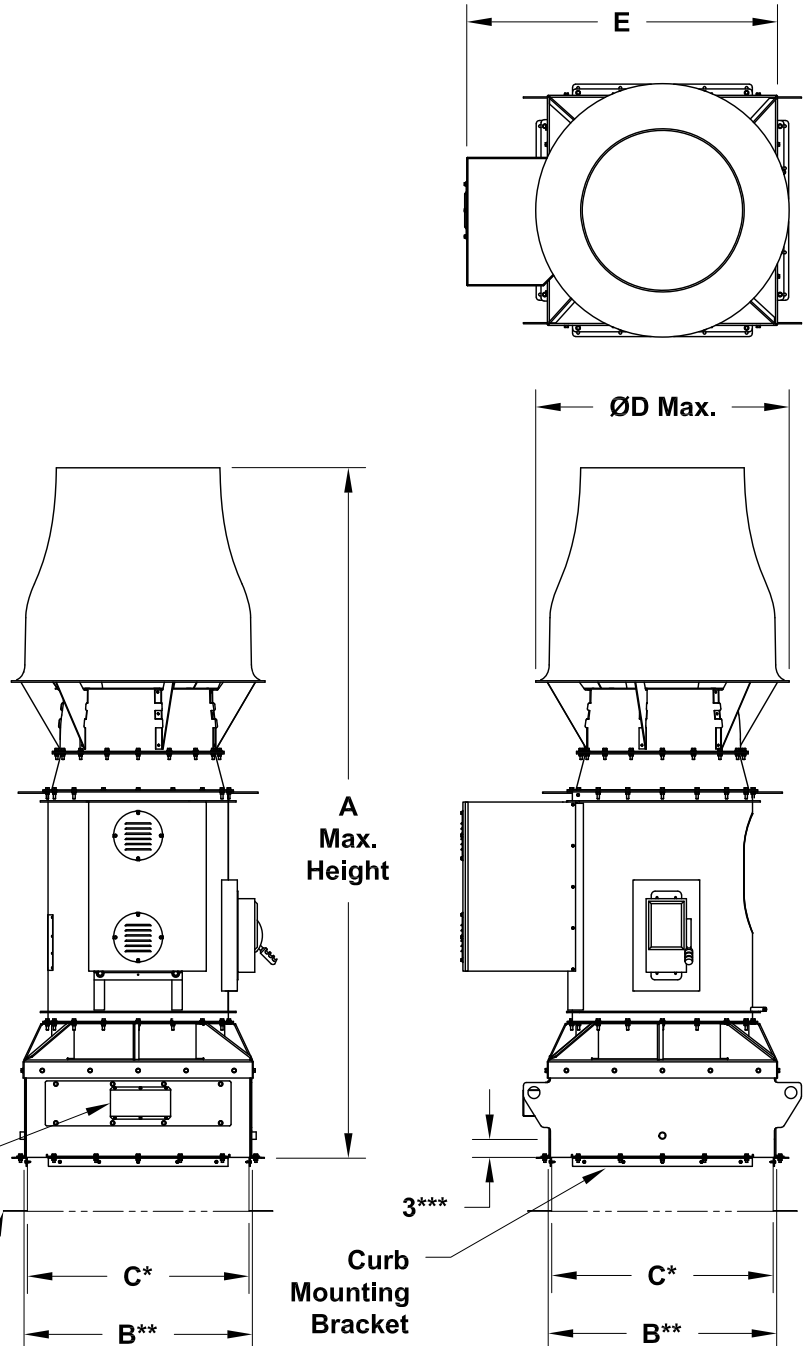
High efficiency, non-overloading mixed-flow welded wheel - Minimum 14 gauge steel welded bifurcated housing - Welded aerodynamic straightening vanes - Double concentric accelerator fiberglass reinforced plastic induction nozzle and windband - Phenolic epoxy powder with UV protection (Light Gray) - L10/40k 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\*\*\*\*

**ISOLATION BOX:** Single wall welded steel construction with inner angle frame - Bottom inlet location - Phenolic epoxy powder with UV protection (Light Gray) - Plenum drain - Painted aluminum gravity isolation damper - Stainless Steel hardware - Designed to withstand 125 mph\*\*\*\*

**OPTIONAL FEATURES SHOWN:**

Heavy Duty Lab Exhaust Curb  
 Damper Actuator

Optional Damper Actuator  
 Optional Heavy Duty Lab Exhaust Curb



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.