

MARK: _____

PROJECT: _____

DATE: _____



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

DIMENSION DATA

Size	A	B	C	D	E	F	G Height	H	J Width	K	L	M	Unit Weight	
													STD	HP
90	92	28	27 3/16	23	36 11/16	38	10 9/16	8	19 3/4	63 5/16	64	36 1/2	1483	1493
120	100	28	27 3/16	28	40 7/16	39	12 13/16	8	19 3/4	63 5/16	64	36 1/2	1677	1683
135	108	28	27 1/8	28	41 5/8	40	14 13/16	8	18 9/16	63 5/16	64	36 9/16	2071	1977
150	120	30	29 1/8	36	44 1/8	43	16 9/16	8	20 9/16	67 5/16	68	38 9/16	2290	2312
165	125	32	31 1/8	36	45 1/2	46	18 5/16	8	22 9/16	71 5/16	72	40 9/16	2562	2612
180	133	34	33 1/8	43	48	48	19 1/16	8	24 9/16	83 5/16	84	50 9/16	3017	3057
202	143	38	36 15/16	50	51 7/8	54	22 9/16	8	28 9/16	89 1/8	90	52 9/16	3622	3666
225	154	42	40 15/16	50	58	59	22 9/16	9	30 9/16	92 1/8	93	51 9/16	4079	4171
245	165	44	42 15/16	61	60 5/8	62	24 13/16	9	32 9/16	107 1/8	108	64 9/16	4714	4796
270	175	48	46 15/16	61	64 5/8	67	26 9/16	9	36 9/16	111 1/8	112	64 9/16	5234	5306
300	197	52	50 15/16	74	69 7/16	72	29 13/16	9	40 9/16	131 1/8	132	80 9/16	6700	6780
330	206	56	54 13/16	74	75 15/16	78	33 1/16	9	44 9/16	135 1/8	136	80 9/16	7146	7266
365	233	62	60 3/4	89	81 5/8	86	35 1/16	11	46 7/16	158	159	97 3/4	10098	10458
402	247	67	65 5/8	89	89 5/16	94	41 5/16	11	50 3/8	163	164	97 3/4	11653	11859
445	276	74	72 5/8	89	96 1/8	106	47 1/16	13	55 3/8	170	171	97 3/4	13512	13712
490	305	80	78 1/2	101	104 1/16	117	57 5/16	13	59 3/16	191	192	112 7/8	21419	21679
540	336	87	85 3/8	101	111 3/8	130	66 1/16	15	62 3/16	200 7/8	202	115 3/4	24703	24983
600	376	96	94 3/8	101	120 5/16	148	81 9/16	15	69 3/16	211 7/8	213	117 3/4	29338	29592

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.

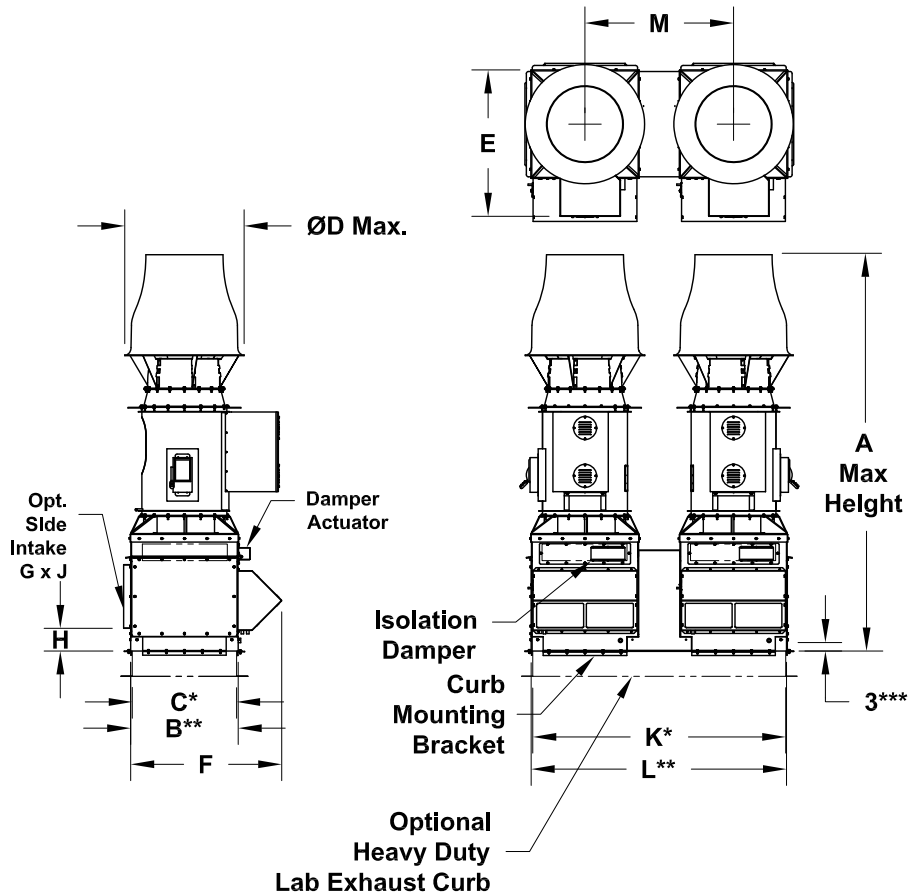
STANDARD CONSTRUCTION FEATURES:

High efficiency, non-overloading mixed-flow welded wheel - Minimum 14 gauge steel welded 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****

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.