



# COOK

# QMXVPA/QMXHPVPA

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

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

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



## Vari-Plume® Laboratory Exhaust Mixed-Flow Inline Belt Drive With 1x1 Mixing Box

### DIMENSION DATA

Size	A	B	C	D	E	F	G Height	H	J Width	Unit Weight	
										STD	HP
90	92 3/16	28	27 3/16	24 7/16	36 11/16	38	10 9/16	8	19 3/4	702	707
120	108 9/16	28	27 3/16	32 9/16	40 7/16	39	12 13/16	8	19 3/4	811	813
135	117 1/8	28	27 1/8	36 11/16	41 5/8	40	14 13/16	8	18 9/16	1026	1027
150	118 3/16	30	29 1/8	38 5/16	44 1/8	43	16 9/16	8	20 9/16	1073	1075
165	127 11/16	32	31 1/8	42 1/8	45 1/2	46	18 5/16	8	22 9/16	1232	1244
180	137 1/16	34	33 1/8	46	48	48	19 1/16	8	24 9/16	1440	1450
202	150	38	36 15/16	51 3/4	51 7/8	54	22 9/16	8	28 9/16	1753	1766
225	162 15/16	42	40 15/16	57 1/2	58	59	22 9/16	9	30 9/16	2019	2050
245	175 1/16	44	42 15/16	62 9/16	60 5/8	62	24 13/16	9	32 9/16	2333	2355
270	173 13/16	48	46 15/16	66 3/8	64 5/8	67	26 9/16	9	36 9/16	2668	2684
300	192 1/8	52	50 15/16	73 3/4	69 7/16	72	29 13/16	9	40 9/16	3176	3196
330	207 15/16	56	54 13/16	81 1/8	75 15/16	78	33 1/16	9	44 9/16	3653	3679
365	228 7/8	62	60 3/4	89 3/4	81 5/8	86	35 1/16	11	46 7/16	4770	4826
402	249 11/16	67	65 5/8	98 15/16	89 5/16	94	41 5/16	11	50 3/8	5852	5910
445	278 3/8	74	72 5/8	109 3/8	96 1/8	106	47 1/16	13	55 3/8	7062	7109
490	308 1/4	80	78 1/2	120 7/16	104 1/16	117	57 5/16	13	59 3/16	11402	11477
540	338 15/16	87	85 3/8	132 3/4	111 3/8	130	66 1/16	15	62 3/16	13705	13845
600	386 9/16	96	94 3/8	147 1/2	120 5/16	148	81 9/16	15	69 3/16	16728	16902

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:

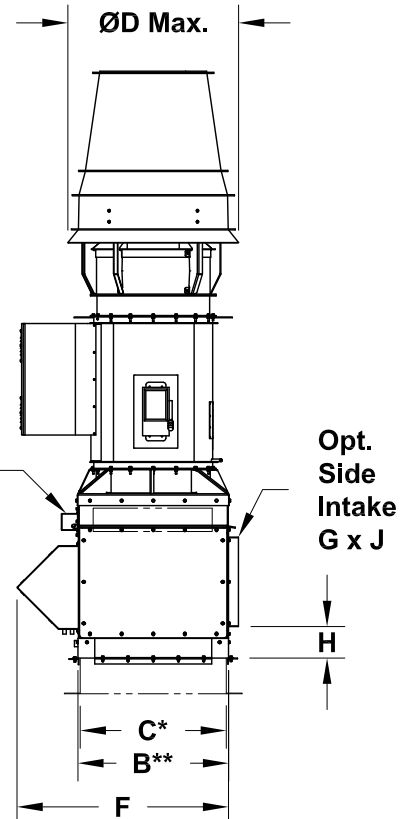
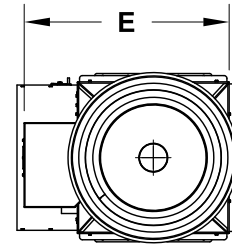
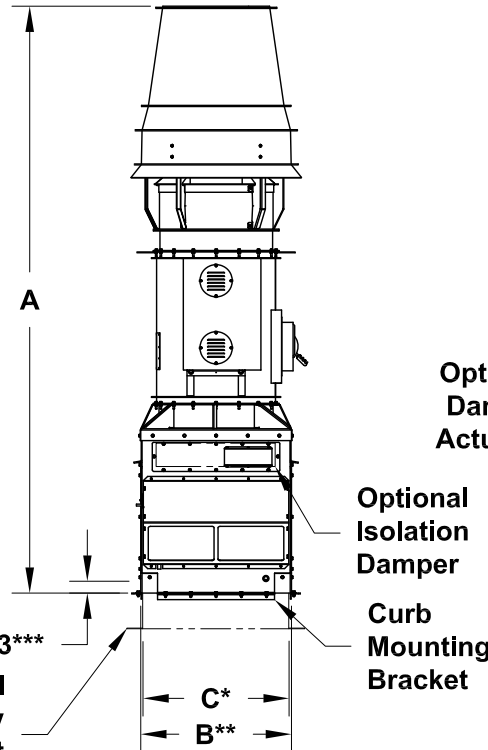
High efficiency, non-overloading mixed-flow welded wheel - Minimum 14 gauge steel welded housing - Welded aerodynamic straightening vanes - Double concentric accelerator aluminum induction nozzle and windband - Phenolic epoxy powder with UV protection (Light Gray) - L10/40k Concentric locking regreasable 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 - 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  
 Isolation Damper  
 Damper Actuator

Optional Heavy Duty Lab Exhaust Curb



SUPPORTED BY TRADITIONAL SHEETMETAL ROOF CURB, BUT BY INTEGRAL MEMBERS OF ROOF STRUCTURE.

\*\*\*\* WINDLOAD RATING DEPENDANT ON ADEQUATE ATTACHMENT TO ROOF STRUCTURE.

TM052R00