

Combination Iris-Coupled and Interdigital Branched Combiners

Typical filter performance (with frequency spacings of 2 MHz or greater):

Type:		Interdigital		Resonant Cavity	
Size:		4" Model 2604-3	6" Model 2606-3	16" Model 2516-3	24" Model 2524-3
No. of cavities:		3	3	3	3
Typical VSWR	at F_0 :	< 1.05:1	< 1.05:1	< 1.05:1	< 1.05:1
	at ± 200 kHz:	< 1.10:1	< 1.10:1	< 1.10:1	< 1.10:1
Typical insertion loss:		< 0.50 dB	< 0.40 dB	< 0.30 dB	< 0.20 dB
Typical frequency response (deviation from center frequency)	at ± 100 kHz:	-0.04 dB	-0.04 dB	-0.04 dB	-0.04 dB
	at ± 150 kHz:	-0.08 dB	-0.08 dB	-0.08 dB	-0.08 dB
	at ± 200 kHz:	-0.10 dB	-0.10 dB	-0.10 dB	-0.10 dB
Typical group delay (deviation from center frequency)	at ± 100 kHz:	20 nsec	20 nsec	20 nsec	20 nsec
	at ± 150 kHz:	50 nsec	50 nsec	40 nsec	40 nsec
	at ± 200 kHz:	100 nsec	100 nsec	100 nsec	100 nsec
Typical bandwidth:		± 200 kHz	± 200 kHz	± 200 kHz	± 200 kHz
Maximum input power:	Convection:	2-1/2 kW	5 kW	10 kW	30 kW
	Forced-air:	4 kW	8 kW	20 kW	50 kW
Inputs & outputs:	Convection:	7/8" EIA	1-5/8" EIA	1-5/8" EIA	3-1/8" EIA
	Forced-air:	7/8" EIA	1-5/8" EIA	3-1/8" EIA	4-1/16"

Approximate weights:

Identify the components that make up your system, then add the weights below to find your total.

Filters:

	2516-3A	2516-3B	2524-3A	2524-3B
Weight:	~315 lb (~143 kg)	~365 lb (~166 kg)	~425 lb (~193 kg)	~475 lb (~216 kg)
Shipping Weight:	~325 lb (~148 kg)	~375 lb (~170 kg)	~500 lb (~227 kg)	~550 lb (~250 kg)

	2604-3A	2604-3B	2606-3A	2606-3B
Weight:	~65 lb (~29 kg)	~80 lb (~36 kg)	~105 lb (~48 kg)	~115 lb (~53 kg)
Shipping Weight:	~88 lb (~40 kg)	~108 lb (~49 kg)	~175 lb (~80 kg)	~180 lb (~82 kg)

Output Coax:

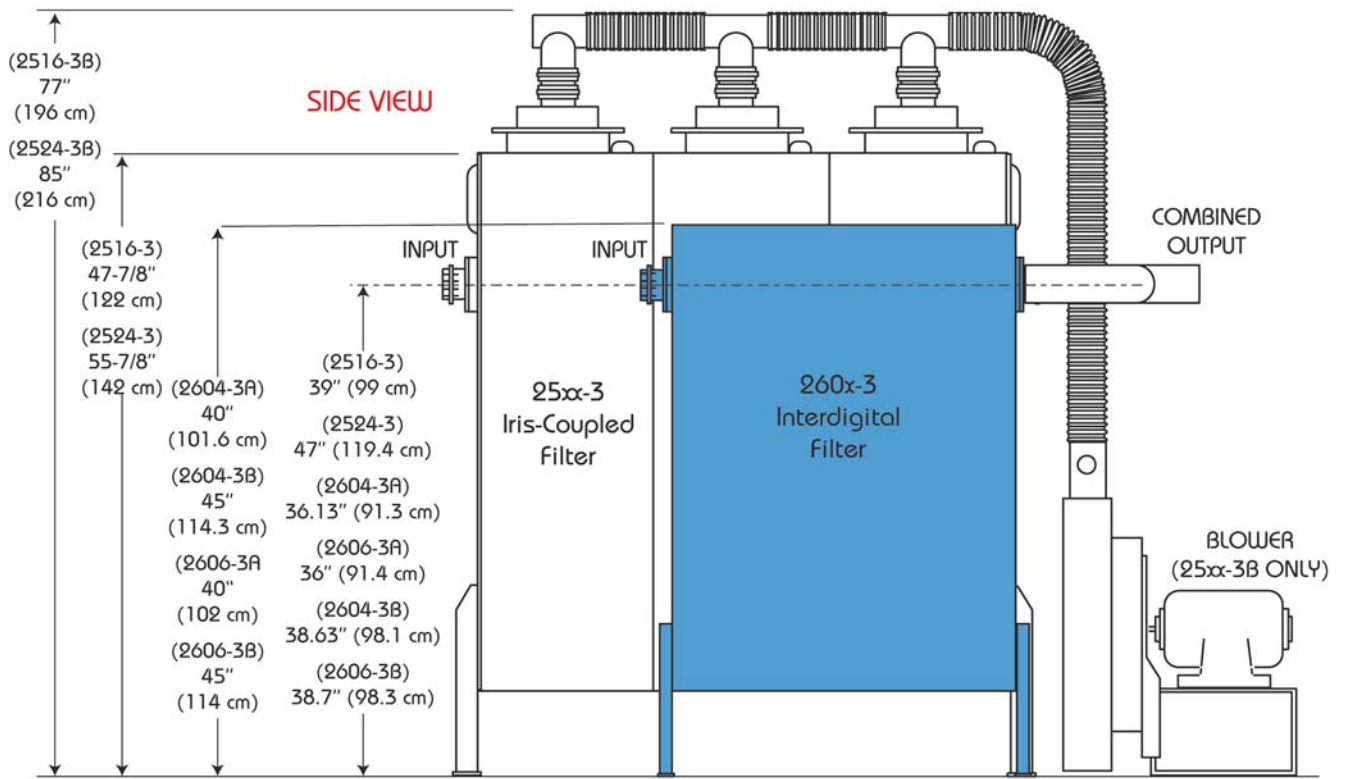
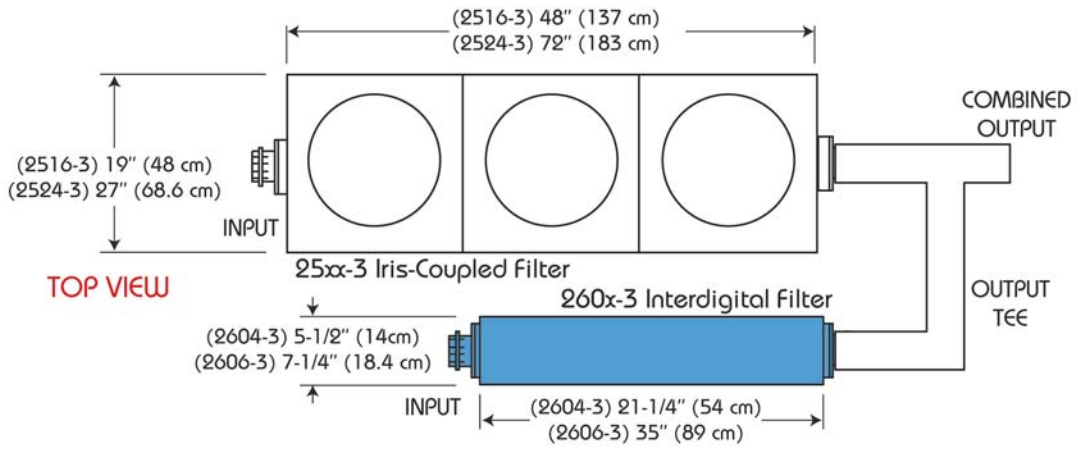
	1-5/8" x 2-station	1-5/8" x 3-station	3-1/8" x 2-station	3-1/8" x 3-station
Weight:	~30 lb (~14 kg)	~45 lb (~20 kg)	~70 lb (~32 kg)	~95 lb (~43 kg)
Shipping Weight:	~40 lb (~18 kg)	~55 lb (~25 kg)	~85 lb (~39 kg)	~110 lb (~50 kg)

Typical dimensions:

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NOTE

The blower for the forced-air-cooled unit occupies a footprint of approximately 24" x 24" (51 x 51 cm). It must be located near the output end of the filter, but is not included in the length shown.