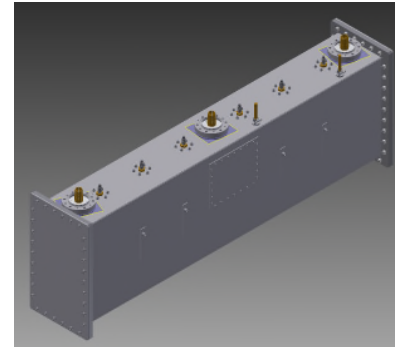


VF-H8600 Integrated High Band VHF Channel Combiner

Features

- Economical alternative to traditional branch combiner configurations
- Eliminates on site filter assembly
- High power handling in a small footprint
- Temperature compensated filter design
- In-Line junction combiner for any two N+4 spaced high band VHF channels
- High Q Low loss 3-pole combine design
- Lightweight Aluminum construction



The VF-H8600 is a compact solution for combining two high band VHF television channels into a single antenna. This is a single cabinet solution that is an economical alternative to traditional modular combiner configurations. The channel diplexer consists of two three (3) section band pass filters integrated into a single compact floor or ceiling mounted cabinet that requires no on site combiner assembly. It will combine any two high band VHF RF channels that are a minimum of 24 MHz spaced (N+4). The filters are temperature compensated.

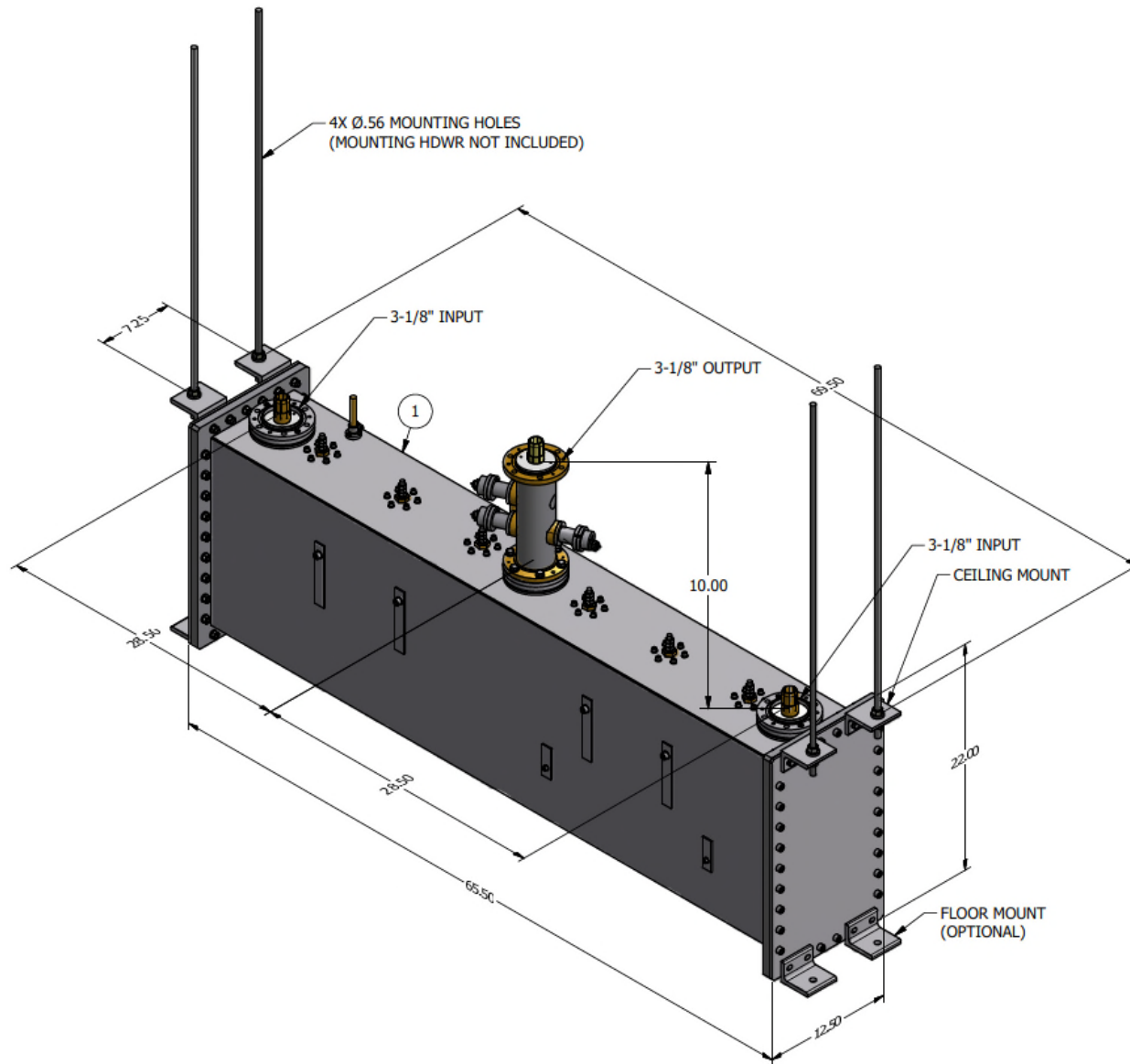
Specifications

Model:	VF-H8600
Input and Output Connectors:	3-1/8-inch EIA flange, male
Power Handling Capability:	8 kW per input, average power, 8VSB or COFDM 16 kW combined output
Combiner Size and Weight:	
Length	69.5 inches (1765 mm)
Width	13.5 inches (343 mm)
Height	22.0 inches (559 mm)
Weight	202 lbm (91.8 kg)
Frequency²:	All Band III VHF Television Channels (174 to 216 MHz)
VSWR¹:	<1.1:1, maximum
Isolation:	30 dB minimum
Insertion Loss:	<0.15 dB
Group Delay:	<10 nsec overall variation 6 MHz

1) When terminated in 50-Ohm resistive load.

2) N + 4 RF Channels (24 MHz spacing between channels)

Specifications presented are typical, total system performance may vary. In a continuing effort to improve products, ERI reserves the right to change specifications and features.



VF-H8600 High Band VHF Diplexer. Shown with optional three port directional coupler at the combined output.