CY306/307 FM Switchless Combiner

80 kW (2 x 40 kW)
P/N CY306-0FM for 230 VAC supply
P/N CY307-0FM for 115 VAC supply

The Switchless Combiner is rated for 2 x 40 kW avg. at the inputs for 80 kW avg. at the output port. The output port will be a 6-1/8-inch, 50 ohm EIA flanged connection with two (2) directional couplers and one (1) voltage probe. The load port will be a 3-1/8-inch EIA flanged connection with one (1) directional coupler and one (1) voltage probe.

Includes:
(2) 3 dB Hybrid Coupler
(1) Motorized Coaxial Phase Shifter (0, 90, 180 degree)
(2) Non-Directional Voltage Probe (1-at load port, 1-at output port)
(3) Directional Coupler Port (1-at load port, 2-at output port)
(1) Interconnect components between above items
(1) Floor-mount frame
Inputs: 3-1/8-inch, 50 ohm EIA flanged
Load Port: 3-1/8-inch, 50 ohm EIA flanged
Output Port: 6-1/8-inch, 50 ohm EIA flanged
Reject (off air) Load is not included

Please specify at time of order:
-FM Channel/Frequency
-Desired AC Supply (115 VAC or 230 VA

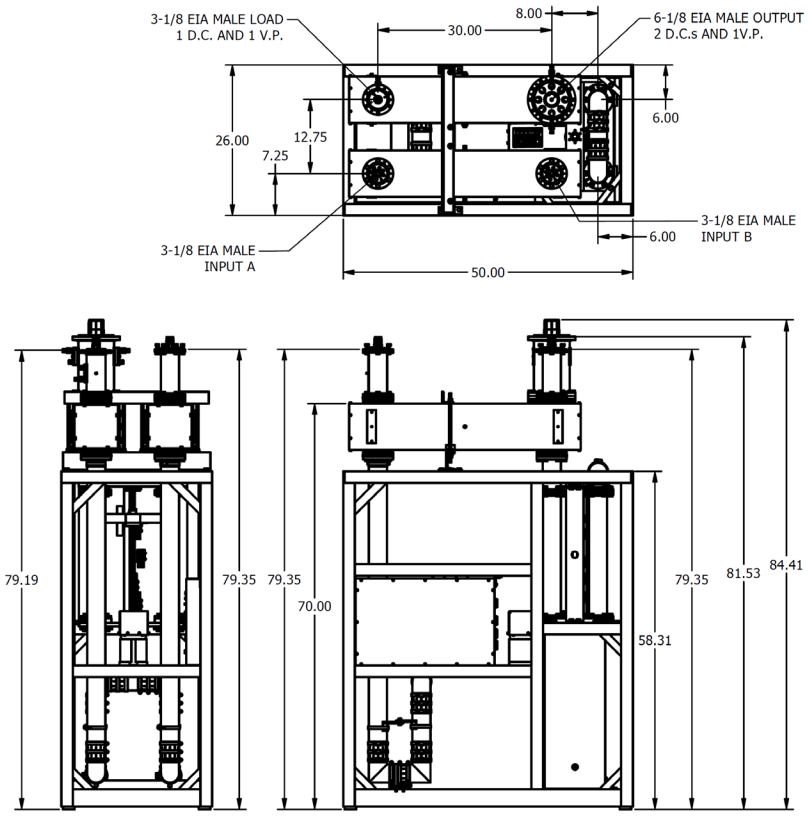
Specifications

Power Rating:	80 kW avg. (2 x 40 kW avg)
Input VSWR:	1.04 to 1 or better (+/- 200 kHz)
	1.10:1 during changeover
Insertion Loss:	0.1 dB Max
Input Isolation:	35 dB
Inputs:	3-1/8-inch, 50 ohm EIA flanged
Load Port:	3-1/8-inch, 50 ohm EIA flanged
Output Port:	6-1/8-inch, 50 ohm EIA flanged
Directional Coupler:	Type "N" female
Voltage Probe:	BNC female
Nominal Coupling Values (unless otherwise specified)	
1-port Directional Coupler at load port:	FWD: 42 dB
1-port Voltage Probe at load port:	52 dB
2-port Directional Coupler at output port:	FWD: 53 dB
	REF: 53 dB
1-port Voltage Probe at output port:	52 dB
Coupler Directivity:	32 dB min. over channel
Weight:	495 lbs (225 Kg)
Approximate Dimensions:	See preliminary outline drawing on page 2

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CY306/CY306 80 kW FM Switchless Combiner Outline Drawing (dimensions are inches).

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