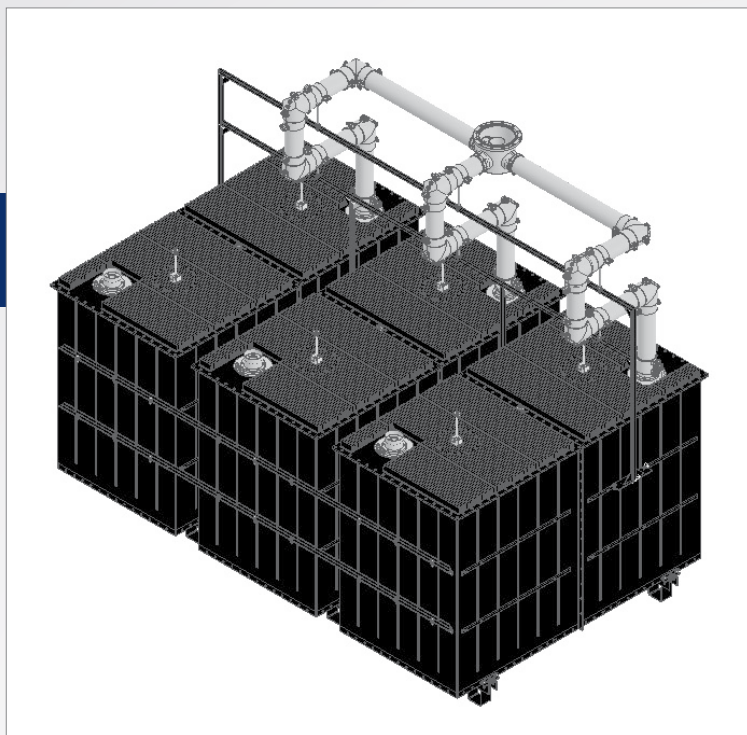


FM STAR TYPE COMBINERS – 20kW

FEATURES

- 2 and 3 channel combiners
- 2 or 3 pole / 750 mm (29.5 in)
- temperature compensated
- adjustable selectivity



GENERAL FEATURES

FREQUENCY RANGE	87.5 ÷ 108 MHz
IMPEDANCE	50 ohm
VSWR	See table
MAX POWER	See table
CONNECTORS*	See table
WEIGHT	See table
OPERATING TEMPERATURE RANGE	-10 to + 45°C (+14 to +113°F)
OVER TEMPERATURE**	typical 30 K at max input power
ISOLATION	See table

* different connectors upon request

** referred to ambient temperature. Recommended: [AmbientTemp. + OverTemp.] ≤70°C (158°F)

ELECTRICAL AND MECHANICAL DATA

TYPE	FREQUENCIES SPACING (MHz)	MAX POWER** PER CHANNEL (kW)	V.S.W.R INPUT at fo	ISOLATION BETWEEN FREQ. (dB)	INSERTION LOSSES at fo (dB)	CONNECTORS* INPUTS / OUTPUT	WEIGHT (approx) kg (lb)
DPLX UC/FM/ST2-20	≥ 3.0	20	≤ 1.06	≥ 30	≤ 0.19	3-1/8" Unfl. / 3-1/8" Unfl.	350 (772)
	≥ 2.0	20	≤ 1.06	≥ 30	≤ 0.21		
DPLX UC/FM/ST3-20	≥ 2.0	20	≤ 1.06	≥ 30	≤ 0.19	3-1/8" Unfl. / 3-1/8" Unfl.	500 (1102)
	≥ 1.6	20	≤ 1.06	≥ 30	≤ 0.22		
	≥ 1.2	20	≤ 1.06	≥ 30	≤ 0.27		
TPLX UC/FM/ST2-20	≥ 3.0	20	≤ 1.06	≥ 30	≤ 0.24	3-1/8" Unfl. / 6-1/8" Unfl.	400 (882)
	≥ 2.0	20	≤ 1.06	≥ 30	≤ 0.26		
TPLX UC/FM/ST3-20	≥ 2.0	20	≤ 1.06	≥ 30	≤ 0.24	3-1/8" Unfl. / 6-1/8" Unfl.	750 (1653)
	≥ 1.6	20	≤ 1.06	≥ 30	≤ 0.27		
	≥ 1.2	20	≤ 1.06	≥ 30	≤ 0.32		

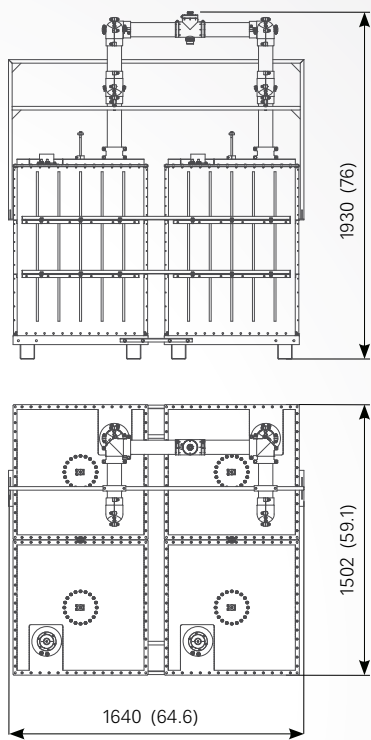
* different connectors upon request

** increased power on request

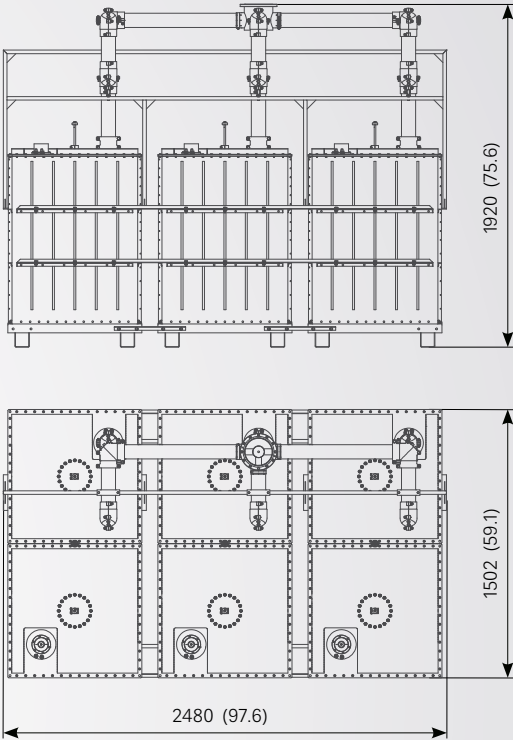
FM STAR TYPE COMBINERS – 20kW

MECHANICAL LAYOUT

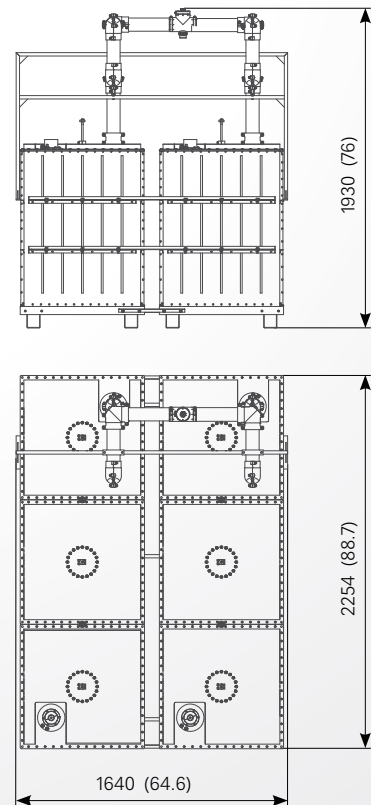
DPLX UC/FM/ST2 – 20



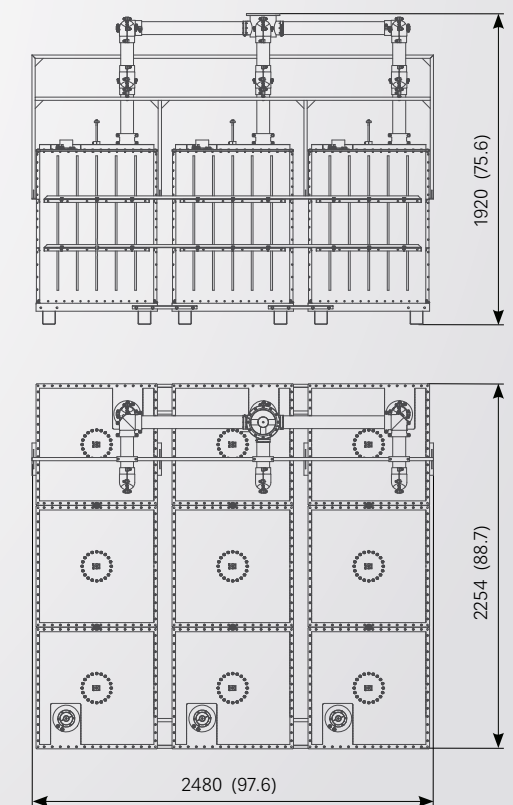
TPLX UC/FM/ST2 – 20



DPLX UC/FM/ST3 – 20



TPLX UC/FM/ST3 – 20



All dimensions are in millimeters (inches)