

VHF-B3 SWITCHING UNITS

FEATURES

- unflanged type
- low insertion loss
- low V.S.W.R
- indoor applications
- easy and quick lock and unlock system
- equal or unequal power split ratio

GENERAL FEATURES

FREQUENCY RANGE 174 ÷ 230 MHz (up to 254 MHz on request)

IMPEDANCE 50 ohm

RETURN LOSS ≥ 32 dB

INSERTION LOSS ≤ 0.1 dB

MAX MEAN POWER See table below

CONNECTORS See table

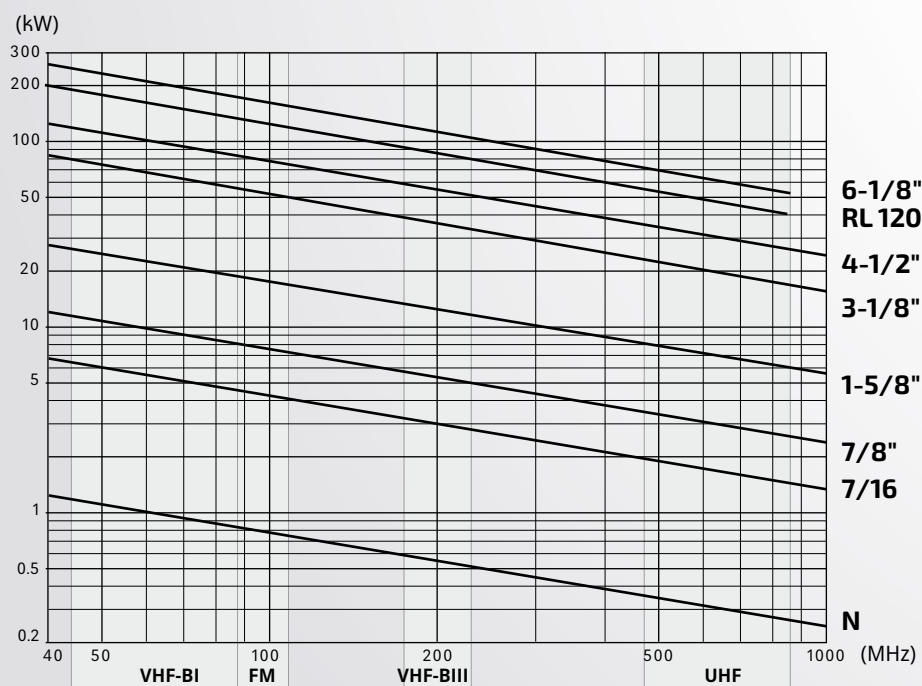
WEIGHT See table

OPERATING TEMPERATURE RANGE -40 to +70° C (-40 to +158° F)

MATERIALS	- Support frame	Galvanized steel
	- Supporting plate	Aluminium
	- External body	Polished copper, polished brass
	- Inner conductor	Silver plated brass, silver plated aluminium
	- Insulating material	Teflon

EXTERNAL FINISHING Painted RAL 9005, Surtec 650

MAX MEAN POWER



Note: Power handling is limited by the smallest size either by U-Links or inputs / outputs ports.



STANDARD CONDITIONS:

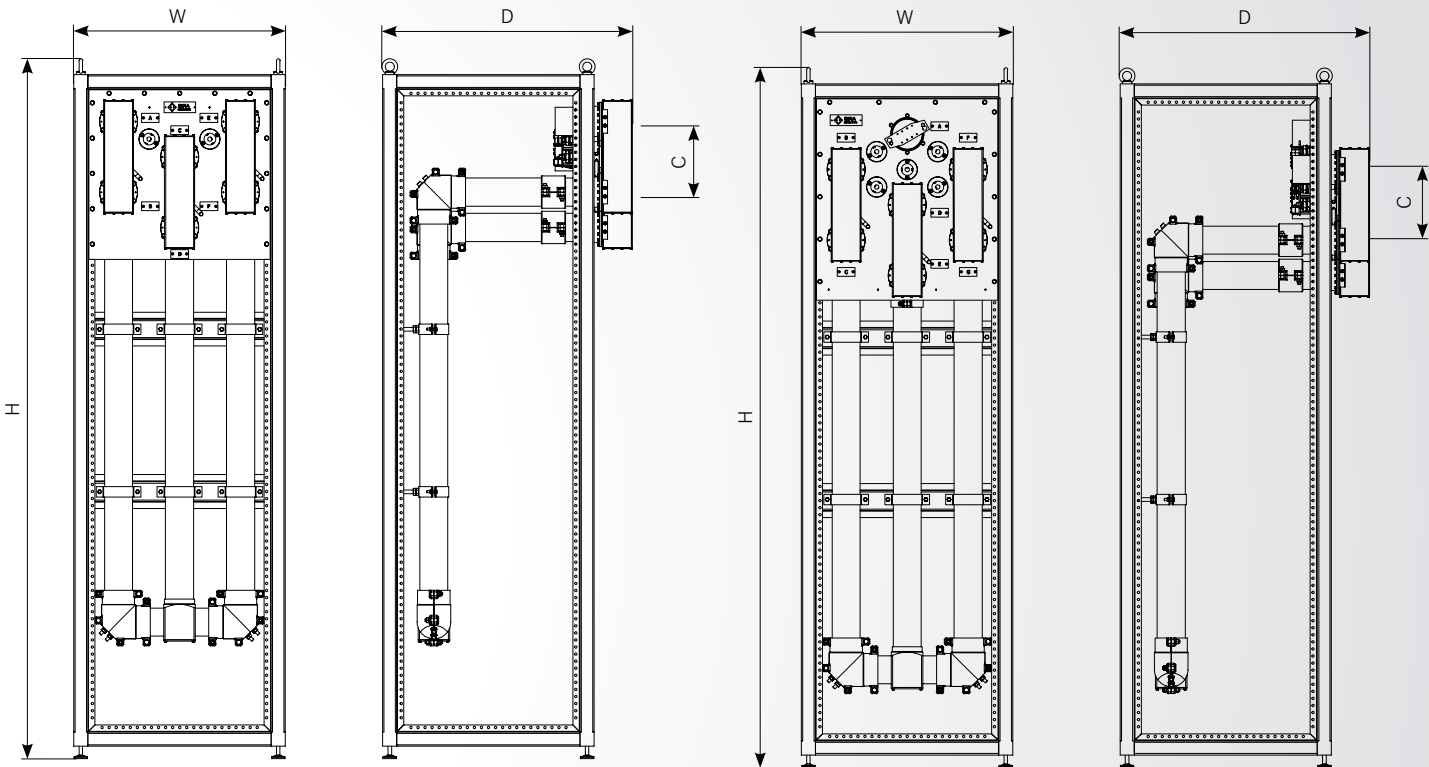
- V.S.W.R. = 1.0
- Ambient temperature 40°C (104°F)
- Atmospheric Pressure, dry air
- Inner Conductor Temperature 120°C (248°F)

VHF-B3 SWITCHING UNITS

6 or 7 PORTS / 3 U-LINKS SWITCHING UNITS

figure "1"

figure "2"



TYPE	U-LINKS	PORTS	FIGURE	H	DIMENSIONS mm (in)				WEIGHT Kg (lb)	RF OPERATING VOLTAGE (kV)	DC VOLTAGE (kV)
	TYPE	TYPE	Nr.		W	D	C				
SWU/BT-04/U/Z	1-5/8"	1-5/8" UNFL	6	1	1980 (78)	566 (22.3)	730 (28.7)	150 (5.9)	54 (119)	5.2	7
SWU/BT-05/U/Z	1-5/8"	1-5/8" UNFL	7	2	1980 (78)	566 (22.3)	730 (28.7)	150 (5.9)	58 (128)	5.2	7
SWU/BT-14/U/Z	3-1/8"	3-1/8" UNFL	6	1	1980 (78)	600 (23.6)	710 (28)	200 (7.9)	74 (163)	9.7	14
SWU/BT-15/U/Z	3-1/8"	3-1/8" UNFL	7	2	1980 (78)	600 (23.6)	710 (28)	200 (7.9)	79 (174)	9.7	14
SWU/BT-24/4/U/Z	5"	4-1/2" UNFL	6	1	1980 (78)	800 (31.5)	850 (33.5)	250 (9.8)	140 (309)	12.5	19
SWU/BT-25/4/U/Z	5"	4-1/2" UNFL	7	2	1980 (78)	800 (31.5)	850 (33.5)	250 (9.8)	145 (320)	12.5	19