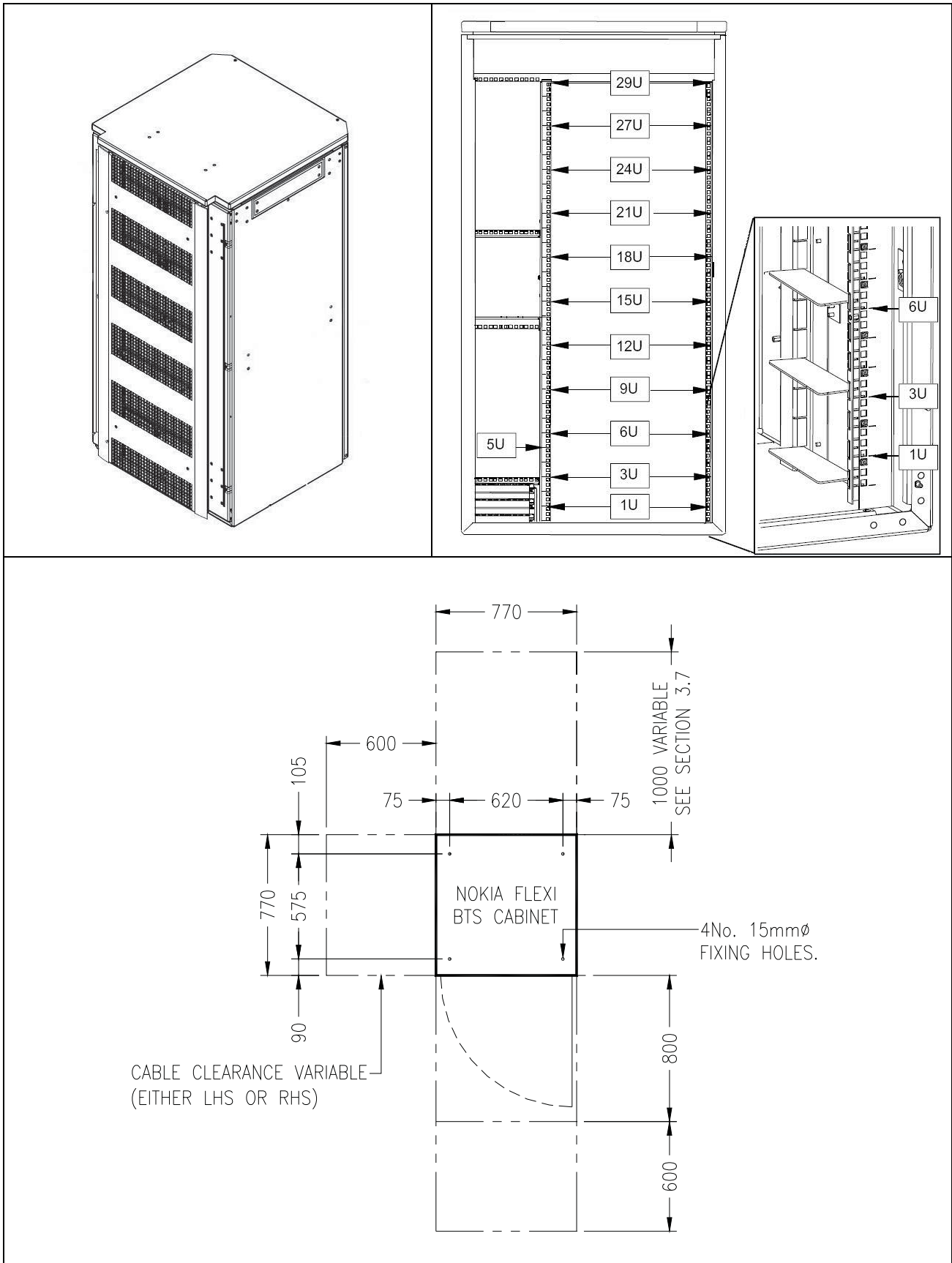


5.10 NK70142 Nokia Flexi BTS Outdoor Cabinet

Design Feature	Comments		
Enclosure Name	Nokia Flexi BTS Outdoor Cabinet		
Enclosure Type	BTS cabinet for modular BTS system in outdoor applications		
IMS Part No.	NK70142		
IMS No's for Extras (If Applicable)	Nokia Flexi BTS RF & System Modules required.		
Application	UMTS Microcell / Macrocell BTS		
Dimensions	Height: 1650mm	Width: 770mm	Depth: 770mm
Weight	Empty 80kg		Fully Populated 365kg
Colour Options	RAL7036 / NCS 4502-R		
Acoustic Noise Level in dBa @ 1m	56dB(a) Sound Pressure		
Acoustic Noise Level in dBa @ 3m	N/A		
Nominal Supply Voltage	48V DC (Into System Module)		
Power Consumption	80W (Into System Module)		
Input Voltage Range	40.5 – 57V DC (Into System Module)		
Supply MCB / Fuse rating located elsewhere	10amp MCB		
IP Rating	IP35		
Maximum Internal Temperature	N/A		
Minimum Internal Temperature	N/A		
Air Flow	Free air flow.		
Total Heat Load Emitted	Config. dependant		
Options.	Environmental kit available and must be used if cabinet is installed within 500m of the coastline.		
Special Instruction			
Reference Document No.	Spec2043 – Nokia Flexi BTS Installation Manual		
Drawing Reference No.	N/A		
Design Authority / Owner	David Kingwell & Daniel Ceaton. Now controlled by Radio Solutions		

5.10.1 NK70142 Nokia Flexi BTS Outdoor Cabinet Images



6.5 EM0050A PTC Outdoor Cabinet Enclosure

References	Enclosure Name	Emerson PTC							
	Enclosure Type PSU, BTS etc...	Combined Power & Transmission Cabinet							
	Application Used where / with equipment..	Deployed on sites with external BTS equipment						Indoor Outdoor	Outdoor
	Orange IMS Part No.	EM0050A							
	Manufacturer	Emerson		Manufacturers ref. No					
	Reference document No. Installation, O+M Manual etc.	Proc892							
	Drawing reference No's. Mechanical and Electrical								
	Design authority / Owner	Originator - David Kingwell. Now controlled by Radio Solutions							
Mechanical	Dimensions (mm)	H =	2000	W =	750	D =	740		
	Weight at shipping (Empty) kg =	120		Weight (Fully loaded) kg =			450 (inc 4 batteries)		
	Lifting / transportation method	Lifting points fitted		Pallet / Fork lift?		Pallet			
	Colour Options	RAL7036 / NCS 4502-R							
Electrical - Supply	The Electrical supply requirements for this cabinet are....Complete all appropriate	400VAC 3ph N + E @ xx kVA	400VAC 15kVA	230V 1 ph + E @ xx kVA	230VAC 15kVA	48VDC	No		
	The supply cut out device required to create feed / discrimination with cabinet ... Complete all appropriate	Rating & type (i.e. RCCB, 40A, 100mA)	40A	Rating & type (i.e. RCCB, 100A, 100mA)	63A	Rating & type (i.e. 10A, type MCB 'C')			
Electrical – Input & output data for equipment fitted in this Cabinet	Protection / Connection within Cabinet. Configurations..⇒	Primary input supply – configuration				Alternative primary configuration ☐ Yes Aux second supply configuration ☐ No			
	Supply options	• 400VAC 3ph N + E ? • 230VAC 1 ph + E ? • 48 VDC ?		400VAC	• 400VAC 3ph N + E ? • 230VAC 1 ph + E ? • 48 VDC ?		230VAC		
	Incoming connection or circuit isolation / protective device fitted	Isolator, MCB or Terminals		Terminals to Switch	Isolator, MCB or Terminals		Terminals to Switch		
	Incomer circuit isolation / protection detail. (i.e. 40A. MCB type 'B', 'C' or 'D')	Rating (& MCB type)		63A 3 pole Switch MG Part 15015	Rating (& MCB type)		63A 3 pole Switch (Poles linked) MG Part 15015		
	Incomer Icu - Ultimate breaking capacity in kA (Found on isol / mcb device)	Fault Rating		20 x In. 1s	Fault Rating		20 x In. 1s		
	Termination capacity for incoming cable - mm ²			25 mm ²			25 mm ²		
	Power demand in Watts			14400			14400		
	Output circuit options from PSU cabinets. From panel inspection >.	Voltage, No of & Rating	-48VDC 2 off 100A	Voltage, No of & Rating	-48VDC 2 off 63A	Voltage, No of & Rating	-48VDC 1 off 10A	Voltage, No of & Rating -48VDC 6 off 6A	
Environmental	Complies to Wind Rain Spec MIL-STD-810F ☒ ☒				Ingress Protection IP Rating		IP65		
	Acoustic noise level @ 1m in dBa @ xx°C	56 dBa			Acoustic noise level @ 3m in dBa @ xx°C				
	Maximum internal temperature + xx°C	+35 °C			Minimum Internal Temperature - xx°C		-10°C		
	Total heat load emitted in Watts	0W			Free convection or forced air flow @ xx m ³ / min.		Heat management unit on door.		
Options	Options								
	Orange IMS No's for extras (If Applicable)	Part EM 0150A is made up of.... EN0043A – Cab Plinth, EM0005C – Rectifier, EM0004B – Battery String, EM0050A – PTC Cab, EM0051A – DC Core, EM0052A – Tx Core.							
	Special instructions	DC Core = 60kg, Transmission Core = 25kg, Rectifier 3.5kg, Plinth 20kg							

6.5.1 EM0050A PTC Outdoor Cabinet Enclosure Images

