

COMM7

RAPID DEPLOYMENT
COMMAND CENTER

DESIGNED
BUILT & TESTED
BY

morehouse 



TECHNICAL DATA

NATO STOCK NUMBER: TBD
NCAGE A546G

COMM7 is a self powered, rapid electro-hydraulic deployment command center. COMM7's structure is based on a standard sea-container construction, which makes it sturdy and easy to transport. A unique, proven electro-hydraulic self assembly makes this command center, the number one choice when deployment speed is of the utmost importance.

Compliance With Standards

- ISO 668, Series 1 freight containers – Classification, dimensions and ratings
- CSC approved
- STANAG 2413, Demountable load carrying platforms (DLCP/FLATRACKS)
- 2006/42/EEC, Machinery Directive
- STANAG 2895, Climatic Conditions

Electrical Systems

- Designed for any electrical network according to customer requirements
Example from European model:
 - Main inlet 32A 400VAC
 - Storage inlet 16A 230VAC
- 24VDC battery system battery
 - battery capacity 55Ah
- UPS system 230VAC & 24VDC
 - battery capacity 600Ah

Cabling

- Power cabling
- coaxial cabling for RF- systems
 - 13 coaxial lines from equipment rack to signal panel
 - 6 coaxial lines from equipment rack to roof antennas
- RJ45 CAT6 cabling
 - 10 lines from equipment rack to signal panel
 - 24 lines in equipment rack to operating room
- fiber optical cabling
 - 6 lines from equipment rack to signal panel cabling for main displays

Performance

- Automatic Leveling System
- Automatic Expanding System 3:1
- Plug & Play connections
- "Ready to Use" workstations

UPS System

- battery capacity 600Ah
- AGM batteries
- integrated monitoring and testing system
- data collection and alarm system
- MCB panels
- equipped with wire rope isolators



Lighting

- 230VAC dimmable high power LED-panels
- 24VDC battery-powered LED-lights
- double-acting lighting mode, normal/operation light

Network/Server Rack

- 19" cabinet
600 x 600 x 1600 mm
(23 5/8 x 23 5/8 x 63 in)
 - equipped with wire rope isolators
 - 32U installation space
 - air filter for incoming air
 - panels for Coaxial, RJ45, Fiber optical connectors
 - Ethernet Switch
 - Ethernet router / Firewall
 - Fiber optical KVM extender
 - Media converters 3 pcs.

HVAC System

- Cooling unit, Dantherm AC-M5MKIII
 - cooling capacity 4.7 kW (per unit)
 - heating capacity 2.0 kW (per unit)
 - integrated remote control unit
- Ventilation unit
 - Fresh air heating max. 3.3 kW
 - heat recovery
 - F7 filter
 - Max. air flow 100 l/s (210 CFM)
 - integrated air quality monitoring (CO₂)
- Heaters
 - room heater 1.2 kW
 - equipment rack heater 0.15 kW

- Diesel heater, Eberspächer Airtronic D5
 - 24VDC battery-powered unit
 - heating capacity 5.5 kW
 - fuel consumption 0,2 l/h-0,66 l/h (0.05-0.17 gal/h)
 - Independent control unit Eberspächer EasyStart Timer. Possible start and stop heater inside or outside of container.
 - Two 20 l (5.3 gal) fuel tanks
- Dehumidifier
 - airflow 50 m³/h (30 CFM)
 - dehumidification capacity 0,2 kg/h (60 RH%, 20 °C) 0.44 lbs/h (60 RH%, 68 °F)controlled by humidistat

Operating Room Equipment

- More7 operating chairs
 - Main display 29"
 - touch screen 21.5"
 - keyboard and mouse
 - Workstation computer
- Displays stand
 - 46" Screen 2 pcs.
 - KVM fiber optical KVM-receiver

