

Open MDC 300kW Example "AMSTERDAM"

TECHNICAL DESCRIPTION

OPEN MDC 300kW OCP ACCEPTED MODULAR DATACENTER

Power

Input Power Voltage (Nominal)	400V AC, 3 Phase, 50 Hz
Total IT Load	300kW
IT Load per Rack	10kW
Nominal Output Voltage to Rack	400V AC, 3 Phase, 50 Hz
Main Distribution	Busway System
Rack Distribution	16A, 3P+N+Pe
(1 per rack)	
UPS	Modular UPS N+1 System
Battery Backup Time	5min

Cooling

Cooling Unit	InRowCoolers CW 27kW
Number of Unit (N+1)	12
Cooling Capacity (N+1)	300kW
Internal Operating Temperature	Within ASHRAEs recommendations
Humidity Control	Included

Racks

Open Rack V2 48V	Power Shelf, PSU 48V (ready to deploy OCP hardware)
Hot Aisle / Cold Aisle	650mm / 12000mm

Data Network

Fiber Data Network System (30 racks)	Housing Distr Rack, Rack units, MTP
MTP trunk	

Transportation Costs

Included	
	Gothenburg (SE) to Amsterdam (NL)

Management System and Safety

Fire Suppression and Detection	Fire Control Panel smoke detection, auto/manual activation, audio and visual alarm. NOVEC 1230 or equivalent gas suppression system
Environmental Monitoring	Included
MDC - DCIM	Included
Fire resistance of the module	EI60

Physical

Length (internal)	13350 [mm]
Height (internal)	3550 [mm]
Width (internal)	4450 [mm]

