

SAUDI
MADE



صناعة
سعودية

رؤية
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

LC
المحتوى
المحلي



شركة مصنع جاما للصناعات المعدنية GAMMA FACTORY FOR METAL INDS.

MORE THAN **15** YEARS IN MANUFACTURING OF :

- 19" Network, Telecom, Cabinets & Accessories
- IP/NEMA Outdoor Enclosures
- NEMA x Stainless Steel Enclosures
- Power Distribution Unit (PDU)



GAMMA PER QUALIFICATIONS - 2025

1. COMPANY PROFILE :

- ABOUT US
- VISION AND MISSION
- OUR VALUES
- QUALITY CONTROL
- PRODUCTION FACILITY
- OUR PRODUCTS
- CERTIFICATES
- EXPORT
- END USERS
- PROJECTS
- REFERENCE LIST
- GAMMA PRODUCT GALLERY
- CONSULTANT APPROVALES
- CONTACT US

2. PRODUCT TECHNICAL DATA SHEET :

- WALL MOUNT CABINETS (6U to 21U)
- FREE STAND CABINETS (18U to 47U)
- DATA CENTER CABINETS (42U to 47U)
- OPEN RACK FOR TELECOME (22U to 47U)
- COMPARTMENT FREE STAND CABINET (21U to 47U)
- IP54 TELECOME CABINETS (all sizes available on request)
- SOUND PROOF TELECOME CABINETS (all sizes available on request)
- IP 66 OUTDOOR 19" CABINETS AND ENCLOSURES WALL/POLE MOUNT
- IP 66 OUTDOOR FREE STAND 19" CABINETS WITH COOLING FAN
- IP 66 OUTDOOR ENCLOSURES WITH COOLING FAN
- IP 66 OUTDOOR FREE STAND CABINETS AND ENCLOSURES WITH 1 AC
- IP 66 OUTDOOR FREE STAND CABINETS AND ENCLOSURES WITH 2 AC



ABOUT US

With more than 15 years experience **GAMMA FACTORY FOR METAL INDS.** is a major player in Saudi Arabia Market with more than 100,000 cabinets installed all over the kingdom. **GAMMA** specializes in Manufacturing of 19" Cabinets and IP rated enclosures for data communication equipment, utilizing 19" racks, cabinets and accessories, to provide solutions for networking, servers, data centers, outdoor applications, industrial usage and telecommunication.

In 2025, **GAMMA** opened its new Plant in Kharj Industrial Area – Modon – with 7000 sqm area having state-of-the art Robotic equipment and flexible Sheet Metal Machines.

Owns and operates state-of-the art computer-assisted Robotics machinery and equipment and flexible machinery to ensure a high manufacturing capacity and the highest standards of technology is incorporated at every stage of production from raw materials to assembly line and quality control to delivery.

Uses high technological CNC machines (laser cutting, Punching, laser welding, Robotics bending center, & bending etc.), automated robotics electrostatic powder coating line with surface treatment process technological.





To lead the market with high-performance, 19 " cabinets and Data Center solutions , customized cabinets that support the backbone of modern telecommunications and data storage systems."



Our mission is to design and manufacture cutting-edge telecom cabinets and data center solutions that ensure seamless connectivity and durability, meeting the highest industry standards.



OUR VALUES



**INNOVATIVE
& COLLABORATIVE**



**ETHICAL
& RESPONSIBLE**



SAFETY FIRST



**BEST-IN-CLASS
QUALITY**



**CUSTOMER
DRIVEN**



INTERCERT



INTERCERT



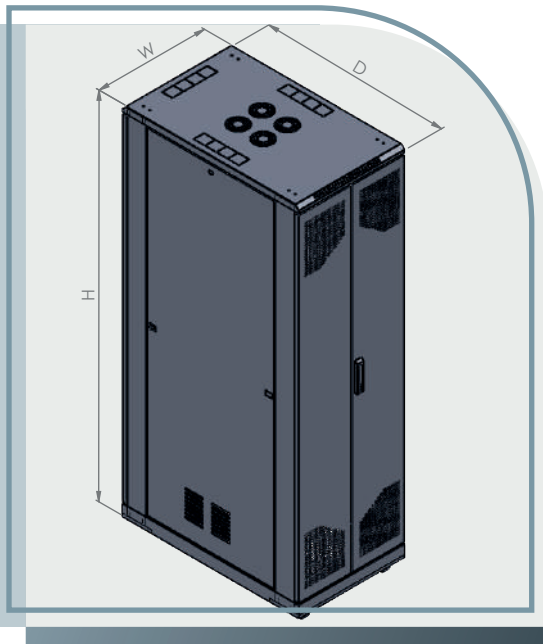
SAUDI
MADE

QUALITY CONTROL

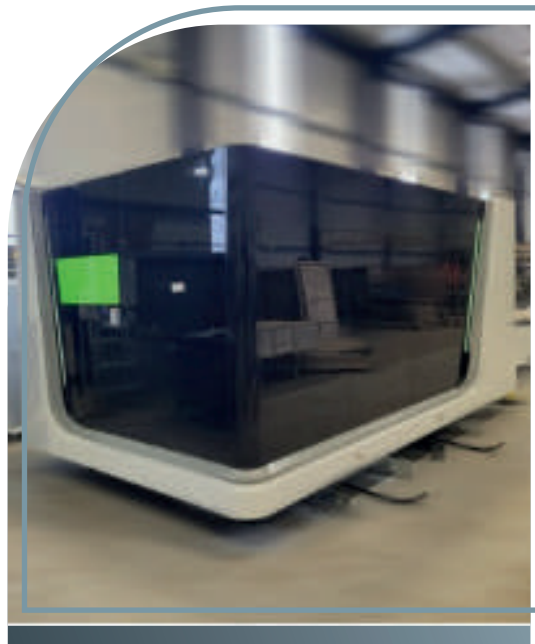


STATE OF THE ART PRODUCTION TECHNOLOGY





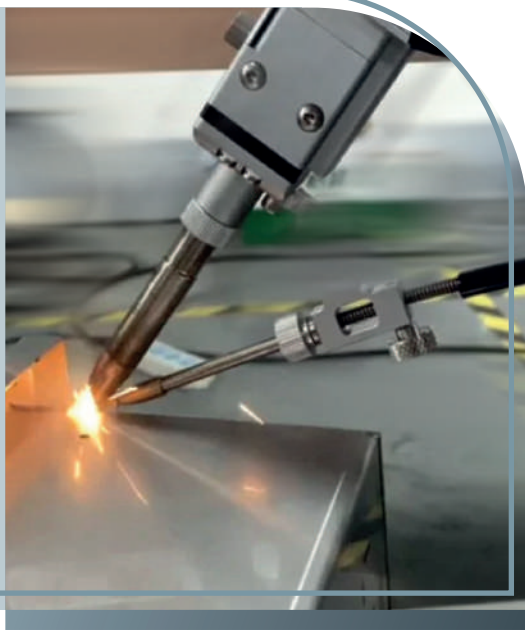
3 D ENGINEERING
SOFTWARE



CNC FIBER LASER
CUTTING MACHINES



ROBOTIC BENDING
CENTER WITH 2 ROBOTS



FIBER LASER WELDING
MACHINES



AUTOMATIC POWDER
COATING LINE WITH
NANO TECHNOLOGY



ASSEMBLY AREA

OUR PRODUCT LINE

*FULL PRODUCT AND DATA SHEET
CATALOGUE AVAILABLE ON REQUEST*

GAMMA CABINETS COMPLYING WITH INTERNATIONAL STANDARD:

- ISO 2015: 9001 QUALITY MANAGEMENT SYSTEMS
- ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM
- EIA/ECA- 310 E & EIA310- D
- IEC 297-1 91" MOUNTING
- IEC 297-2 OVERALL CABINET DIMENSIONS
- IP20 PROTECTED FOR INDOOR CABINET
- IP65/IP66 PROTECTED FOR OUTDOOR CABINETS
- LOCAL CONTENT CERTIFICATE
- MADE IN SAUDI ARABIA CERTIFICATE
- MONSHAAT CERTIFICATE



D A T A C E N T E R



F R E E S T A N D C A B I N E T S



W A L L M O U N T C A B I N E T S



OUTDOOR CABINETS
POLE/WALL TYPE



OUTDOOR CABINETS
FREE STAND IP 66



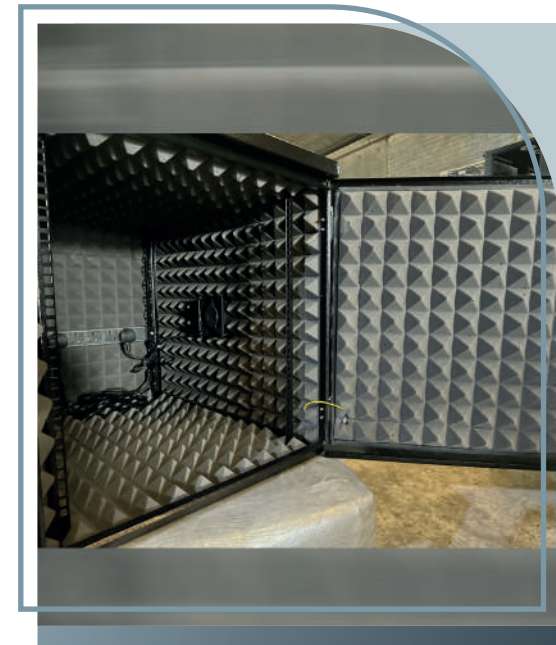
OUTDOOR CABINETS
WITH AC IP 66



FLUSH MOUNT CABINET



ONU CABINET



SOUND PROOF CABINETS

OUR PRODUCTS



BATTERY RACK CABINETS



OPEN RACK



POWER DISTRIBUTION UNIT
PDU

CERTIFICATES & APPROVALS



CERTIFICATES



منشآت
monsha'at

رقم الشهادة: 24176134446

تاريخ الإصدار: 29-03-2024

اسم المنشأة: شركة مصنع جاما للصناعات المعدنية شركة شخص واحد

الرقم الوطني: 7003104309

السجل التجاري: 1010278376

صلاحية الشهادة: سنة من تاريخ الإصدار *



تشهد الهيئة العامة للمنشآت الصغيرة والمتوسطة "منشآت" بأن المنشأة المذكورة أعلاه تدرج من ضمن المنشآت الصغيرة والمتوسطة وفقاً للتعريف المعتمد لدى "منشآت"

يتم التحقق من الشهادة من خلال موقع منشآت

<https://profile.monshaat.gov.sa/validate>

تعد هذه الشهادة من الوثائق الحكومية الرسمية، ولا يجوز تداولها أو استعمالها إلا في حدود الأغراض التي أصدرت لأجلها، ويحظر قطعياً تقليدها أو إدخال أي تعديلات عليها سواء بالإضافة أو الحذف أو التغيير في بياناتها أو غير ذلك من أنواع التعديل. وتعد هذه الشهادة لغية إذا ضاها شيء من ذلك، كما تعرض من ارتكب أي مما سبق إلى الملاحقة النظامية أمام الجهات المختصة دون الإخلال بما نص عليه الأنظمة ذات العلاقة.

* يجب التحقق من خلال رابط موقع منشآت عن صلاحية الشهادة حيث أنه يتم التحديث بشكل دوري

التاريخ: 2024/07/30
رقم الشهادة: M72532



هيئة المحتوى المحلي
مشاريع الحدا ورة
Local Content & Government
Procurement Authority



شهادة المحتوى المحلي
Local content certification

The Local Content & Government Procurement Authority certifies that the Local Content Score for [Gamma Factory For Metal Industries] Commercial Registration No.(1010278376) for the year ended 31/12/2023, is 19.36%.

This certificate expires on 31/07/2025.

تشهد هيئة المحتوى المحلي والمشتريات الحكومية أن نسبة المحتوى المحلي لـ [شركة مصنع جاما للصناعات المعدنية شركة شخص واحد] سجل تجاري رقم (1010278376)، للسنة المالية المنتهية بتاريخ 31/12/2023م، تبلغ 19.36%.

تنتهي صلاحية هذه الشهادة في 31/07/2025م.

توضيح:
تم إصدار هذه الشهادة بحسب الإجراءات المعمدة لدى الهيئة بناء على التقييم المقدم من المنشأة و التقرير الصادر من مكتب المراجعة المعتمد، دون أن تكون مسؤولية على الهيئة.
هذه الشهادة مقدمة غير فريدة (تتكرر)، النظام الذي ولد نتائج إلى توقيع

Note:
This certificate was issued according to the procedures followed by the Authority and based on the disclosure submitted by the entity and the report issued by the approved audit firm, without holding LCGPA minimally responsible.
This certificate is valid via electronic mail / automated system and it does not require a signature.

You can validate the information in this certificate via the following link <https://profile.monshaat.gov.sa/validate>, or by scanning the above QR code

يتم التحقق من صحة البيانات الواردة في شهادة جاما من خلال زيارة <https://profile.monshaat.gov.sa/validate> من خلال مسح الرمز المربع أدناه

CERTIFICATES



CERTIFICATES

**صناعة
سعودية**

تأكيد العنصرية في برنامج صنع في السعودية

السادة شركة مصنع جاما للصناعات المعدنية
السلام عليكم ورحمة الله وبركاته، وبعد،

نرحب بكم أعضاء في برنامج "صنع في السعودية" ورسعنا التزامكم للبرنامج ومساهمكم في تحقيق أهدافه الرامية إلى تعزيز الثقة بالمنتج الوطني وتفعيل دورها في تنمية الناتج المحلي السعودي غير النفطي، مما يساهم في جعل المملكة قوفاً صناعياً رائداً وفقاً لأهداف رؤية السعودية 2030.

بعد هذا الخطاب بمثابة تأكيد على أن شركتكم المولدة والمنتجات المسجلة والتوافق عليها تستوفي المعايير المطلوبة للاضطلاع لبرنامج صنع في السعودية، على أن يمثل جميع الأعضاء امتثالاً كاملاً للقواعد البرنامج طوال فترة صلاحية العنصرية، واعتباراً من تاريخ هذا الخطاب، يحل لشركتكم استخدام علامة "صناعة سعودية" على المنتجات المسجلة والمعتمدة، والاستفادة من مزايا العنصرية.

وبناء عليه، تأمل منكم تعريف جميع الموظفين المعنيين بتطبيق العلامة الصناعية بقواعد البرنامج وإرشادات استخدامها على المنتجات والمواد الترويجية الخاصة بالشركة.

نائب قطاع صنع في السعودية والترويج
أ. فهد بن أحمد المفلوحي

Kingdom of Saudi Arabia
Ministry of Commerce and Industry
شهادة منشأ
Certificate of Origin

Date: 2030 Certificate No. 4472

Remarks: SHIP TO USA

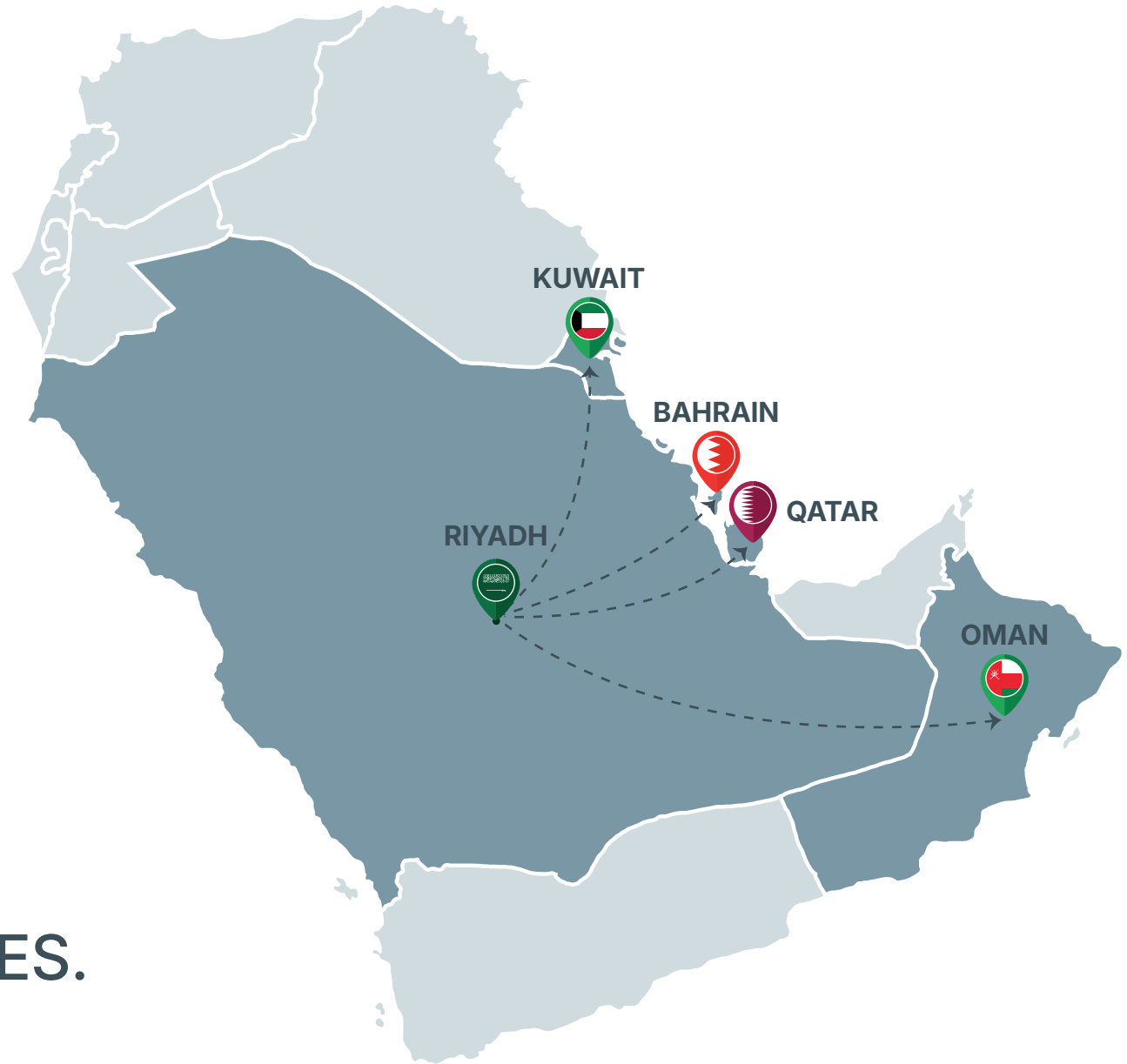
Exporter & Address: GAMMA FACTORY FOR METAL INDUSTRIES SAUDI ARABIA - RYADH EXT 18 - SAJAL, Saudi Arabia

Producer & Address: GAMMA FACTORY FOR METAL INDUSTRIES SAUDI ARABIA - RYADH EXT 18 - SAJAL, Saudi Arabia

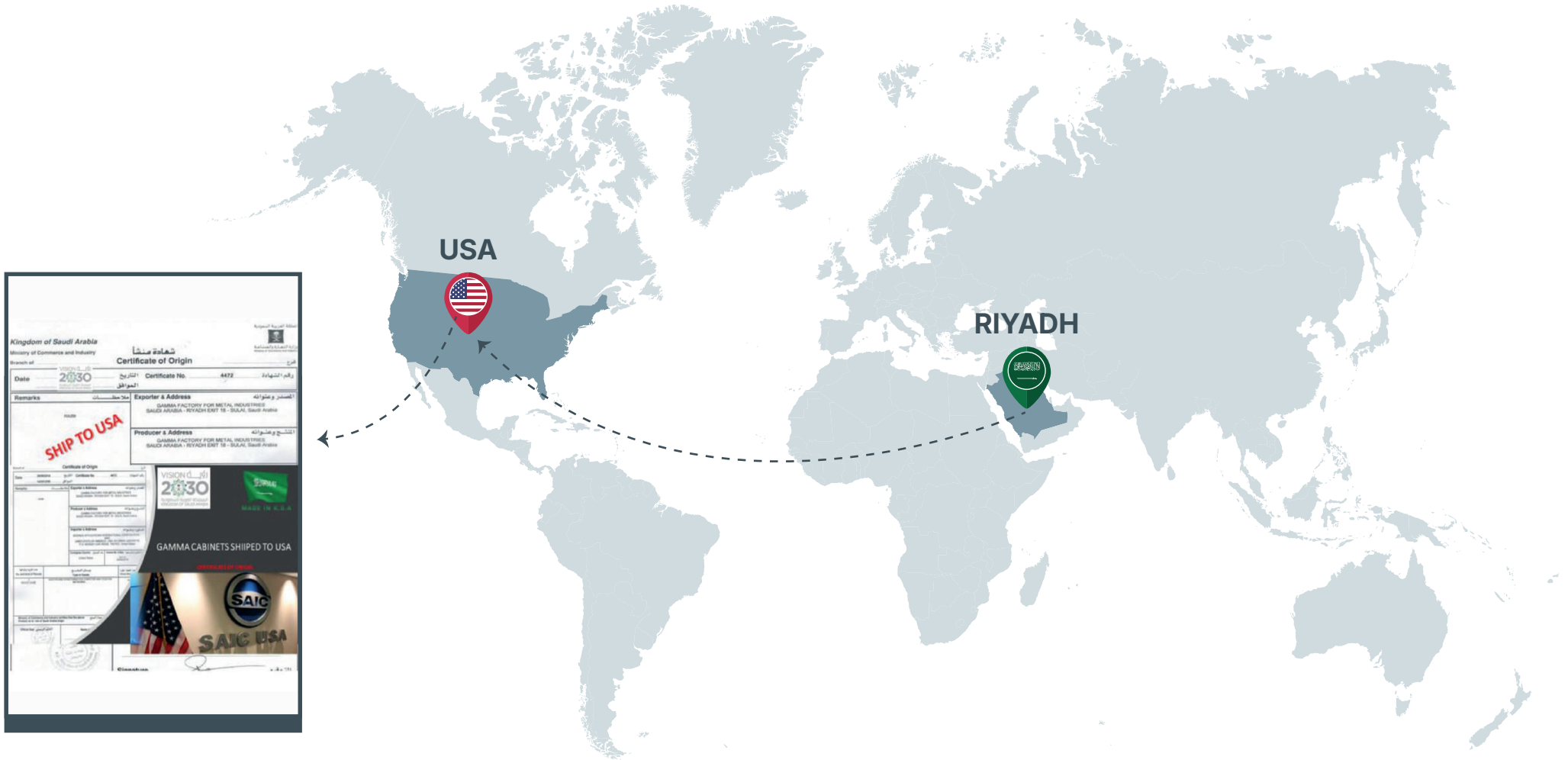
VISION 2030
MADE IN K.S.A.

GAMMA CABINETS SHIPPED TO USA

SAIC USA

[illegible]

WE **EXPORT** TO THE GULF COUNTRIES.



WE ALSO **EXPORT**
WORLDWIDE.



END USERS & PROJECTS

END USERS



END USERS



END USERS



المملكة العربية السعودية
هيئة التحقيق
والادعاء العام
THE BUREAU OF INVESTIGATION
AND PUBLIC PROSECUTION



GAMMA CABINETS INSTALLED IN BELOW PROJECTS



RED SEA INT'L AIRPORT



KING KHALID INT'L AIRPORT



ALAHSA INTERNATIONAL AIRPORT



JEDDAH ISLAMIC PORT



KING ABDULLAH FINANCE
DISTRICT- KAFD



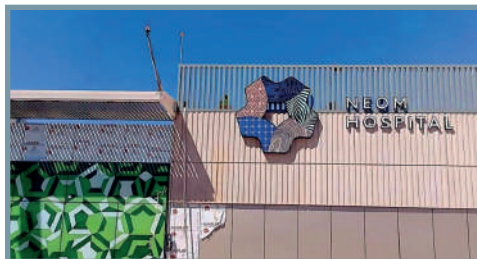
RED SEA PROJECTS



AMMALA PROJECTS



KING ADBUALAH SECURITY DISTRICT



NEOM HOSPITAL



MOWASAT HOSPITAL - JEDDAH



KING ABDULA MEDICAL CITY - BAHRAIN



QASEEM HOSPITAL

GAMMA CABINETS INSTALLED IN BELOW PROJECTS



MARRIOT DIPLOMATIC QUARTER



BOULEVARD CITY



CITY WALK - JEDDAH



TWIN TOWER - SUMO - JEDDAH



RAMMLAH TOWER



ALSHABAB STADIUM



KING ABDULAH SPORT CITY
JAWHRA STADIUM



KING FAHAD STADIUM

REFERENCE LIST

PROJECT	END USER	CONSULTANT	المشروع
The red sea development company	The red sea development company	Al kifah Contracting Company	تطوير البحر الأحمر
King Abdullah security project KAP1	Ministry of Interior -MOI	KHATEEB & ALAMI Consultant	مركز الملك عبدالله للمقرات الأمنية
King Abdullah security project KAP2	Ministry of Interior -MOI	PROGER Consultant	مركز الملك عبدالله للمقرات الأمنية
King Abdullah security project KAP-2B	Ministry of Interior -MOI	NKY	مركز الملك عبدالله للمقرات الأمنية
King Abdullah security project KAP-2C	Ministry of Interior -MOI	NKY	مركز الملك عبدالله للمقرات الأمنية
King Abdullah security project KAP4	Ministry of Interior -MOI	PROGER Consultant	مركز الملك عبدالله للمقرات الأمنية
Royal Commission for Riyadh City (RCRC)	Royal Commission for Riyadh City	DAR AL OMRAN	الهيئة الملكية لمدينة الرياض
Security Force Medical Center (SFMCI)	MOI	Manens-Tifs SA	المركز الطبي لقوات الأمن
200 BED HOSPITAL - TABUK	Ministry of Health MOH	KHATEEB & ALAMI Consultant	مستشفى 200 سرير - تبوك
Hajj Command and Holly Capital Project	MOI	PROGER Consultant	مشروع قيادة الحج
King Salman Hospital	MOH	ALFOUZAN	مستشفى الملك سلمان
Marriott Executive Apartment	Riyadh	KHATEEB & ALAMI Consultant	فندق شقق الماريوت التنفيذية
South Border Guards Housing	Ministry of Interior -MOI	ARCHEN	إسكان الحدود الجنوبية
AL SALAM PALACE	JEDDAH	Saudi Diyar Consultant	قصر السلام
King Abdulla Finance District - KAFD	Ministry of Finance -MOF	DAR ALRIYADH Consultant	مركز الملك عبدالله المالي
Jeddah Islamic Port	Saudi Ports Authority	Marwan Ashour Consultant	ميناء جدة الإسلامي
Ministry of Municipal and Rural Affairs	MOMRA	ADD Engineering Consultant	وزارة الشؤون البلدية والقروية
Building of Secretary of the GCC	Gulf Cooperation Council - GCC	Specialist for Geometric	مبنى الأمين العام لمجلس التعاون
Radusson Blue Hotel	Al Khobar	EHAFC Consultant	فندق راديسون بلو
National Water Commission (NWC)	NWC	AL ROKEN CONSULTANT	الهيئة الوطنية للمياه (NWC)

PROJECT	END USER	المشروع
General Directorate of investigation	GID DATA CENTER - JEDDAH	المديرية العامة للمباحث
The Saudi Central Bank (SAMA)	SAMA	البنك المركزي السعودي
NEOM Hospital	NEOM	مستشفى نيوم
New Boulevards	General Entertainment Authority	البوليفرد - الهيئة العامة للترفيه
Winter Land	General Entertainment Authority	ونتر لاند - الهيئة العامة للترفيه
City Walk Jeddah	General Entertainment Authority	سيتي ووك جدة - الهيئة العامة للترفيه
Nuclear and Radiological Regulatory	NRRC	هيئة الوقاية النووية والإشعاعية
ARAR AIRPORT	General Authority of civil Aviation	مطار عرعر
VSAT BACKUP HUB FOR SCECO	SCECO	الهيئة السعودية للكهرباء
National Water Commission (NWC)	NWC	الهيئة الوطنية للمياه (NWC)
World Trade Center - WTC	King Abdulla Finance District - MOF	مركز الملك عبدالله المالي
ISLAMIC University	Madinah University - MOE	الجامعة الإسلامية
Samsung C&T	Rabigh2- Project	سامسونج - رابغ
AL ULA University	Taiba University _ MOE	جامعة العلا - جامعة طبية
Imam Moh'd University	Imam Moh'd University - MOE	جامعة الإمام محمد
Prince Satam University	Prince Satam University - MOE	جامعة الأمير سطام
Al - Jouf University	Al - Jouf University - MOE	جامعة الجوف
Hafar Al-Batin University	Hafar Al-Batin University - MOE	جامعة حفر الباطن
Taima & Hakel University	Tabuk University - MOE	جامعة تيماء وحقل
Hakel University	Tabuk University - MOE	جامعة حائل

REFERENCE LIST

PROJECT	END USER	المشروع
STC WI FI 3G Offloading Project - KASC Jeddah	STC	مدينة الملك عبدالله الرياضية
Ministry of Health - MOH West - MOH ESTERN	Ministry of Health - MOH	وزارة الصحة - المراكز الطبية
DIGITAL TRUNKED RADIO SYSTEM WOA	SCECO	الهيئة السعودية للكهرباء
Qasem Hospital	Ministry of Health -MOH	مستشفى القصيم
MOH - PHC	Ministry of Health -MOH	وزارة الصحة - الرعاية الصحية الأولى
Qasem University Hospital	Qasim University	مستشفى جامعة القصيم
Riyadh Metro	RMTC	مترو الرياض
General Commission for Survey - Phase 3 & 2	GCS	الهيئة العامة للمساحة
General Directorate for Health Affairs	Ministry of Health -MOH	المديرية العامة للشؤون الصحية
MOI CCTV Project	Qassim Emirates	مشروع كاميرات المراقبة لوزارة الداخلية
E - learning Project - Tatweer - School Project	Ministry of Education - MOE	مشروع التعليم الإلكتروني
Royal Saudi Navy Force - RSNF	Ministry of Defense - MOD	القوة البحرية الملكية السعودية
Saudi Electronic University	Ministry of Education - MOE	الجامعة السعودية الإلكترونية
Royal Saudi Air Force - RSAF	Ministry of Defense - MOD	القوات الجوية الملكية السعودية
Strategic Missile Force -SMF	Ministry of Defense - MOD	قوة الصواريخ الاستراتيجية
SAIC - RSAF PROJECT - USA	SAIC - USA	مشروع القوات الجوية الملكية - الولايات المتحدة الأمريكية
King Abdul Aziz Center National Dialogue	General Authority of Civil Aviation	مركز الملك عبد العزيز للحوار الوطني
National Center for Technology Electrical Energy Systems	King Abdulaziz city for Science and Technology - KASCT	المركز الوطني لتكنولوجيا أنظمة الطاقة الكهربائية
Qassim Emirates	Qassim Emirates	إمارة القصيم
SOIETZ Saudi Organization for Industry	MODON	الهيئة السعودية للمدن الصناعية

PROJECT	END USER	المشروع
Schools Infrastructure Development - wave 2	MOE	شركة تطوير للمباني TBC
Rotana Hotel	Riyadh	فندق روتانا
Plazza in Hotel	Riyadh	فندق بلازا ان
Half Moon Beach Hotel	Al-Khobar	فندق هاف مون بيتش
Hyat Regency Hotel	Riyadh	فندق حياة ريجنسي
Hilton Garden in Hotel	Tabuk	هيلتون جاردن
Park Inn - Jeddah	Jeddah	فندق بارك ان - جدة
Park Inn hotel - JRIYADH	RIYADH	فندق بارك ان - الرياض
Narsis Buder Hotel	Riyadh	فندق نارسيس بوديل
Makan Hotel	Al Ahsa	فندق مكان
MUNICIPALITY OF MEDINA	MUNICIPALITY OF MEDINA	بلدية المدينة المنورة
Tabuk Emirate	Tabuk Emirate	إمارة تبوك
MUNICIPALITY OF TAIF	MUNICIPALITY OF TAIF	بلدية الطائف
Eastern Province Emirate	Eastern Province Emirate	إمارة المنطقة الشرقية
Security Development and Planning Agency	MOI	وكالة التطوير والتخطيط الأمني
Royal Private Affairs	Palace	قصور ملكية
VSAT -COGS	SCECO	فيسات
Technical and Vocational Training Corporation	TVTC	المؤسسة العامة للتدريب التقني والمهني
MIFON Project Phase 3	Ministry of Interior - MOI	المرحلة 3 MIFON مشروع
King Abdullah University Hospital	KAAUH	مستشفى جامعة الملك عبد الله بن عبد العزيز



GAMMA PRODUCT GALLERY



GAMMA PRODUCT GALLERY



GAMMA PRODUCT GALLERY



KING ABDULLAH FINANCIAL DISTRICT

Contract No: KAFO-30 Parcel - Zone 4
Work Package No: 0401

MIR No: 0010-MIR-EL-1350 REV.0 Date: 10-Sep-13

DESCRIPTION OF MATERIAL: GAMMA SINGLE SECTION WALL MOUNT CABINET (MODEL: GAMMA-VMS-3148) FOR VOICE AND DATA CABLING SYSTEM

MATERIAL QUANTITY: AS PER ATTACHED BTC delivery note (only SR 1) dated 03 September 2013

MATERIAL SUBMITTAL REF No: 0010P-000-MT-5-0005 REV.0 CODE-B

MANUFACTURER (Name & Address): M/S. EYETRAAX, M/S. GAMMA FACTORY FOR METAL IND. - BTC

SUPPLIER (Name & Address): KAFO 30 Parcel Zone 4

LOCATION OF USE: Parcel 4

Inspection By: Contractor's QA/QC
Inspected By: SAYED BASHIR ULHASAN
Remarks: MATERIALS WERE INSPECTED IN SITE STORE AND FOUND OK FOR SUBMITTAL AND BTC delivery note (only SR 1) dated 03 September 2013

Supervision Consultant's Inspection Comments: Refer comments on the attached sheet

Engineer's Signature: 18 Sept 2013

Inspected by the Contractor: 18 Sept 2013

Station: KAFO 30 Parcel Zone 4

Document No: PP-CC-08-FM Rev.1

Kingdom of Saudi Arabia
Security Planning and Development Agency - KAP4 Project

PROGER **RTCC**

Project Name: Sports Training Center (Rajab)
Project No: 100
Project Manager: Project Head Office
Date: 26-Oct-17

Document / Material Submittal

Description: ☒ New ☐ Add ☐ Change ☐ Information ☐ Revision ☐ Other

Attachments: ☐ Sample ☐ Catalogue / Worksheet ☐ Compliance Cert ☒ Manufacturer Data & Specification ☐ Calculation Sheet ☐ Other (Specify):

Item Description: IP TELEPHONE AND DATA SYSTEM - CABINET RACKS (Alternative Supplier)

Document, Material Description: IP TELEPHONE AND DATA SYSTEM - CABINET RACKS (Alternative Supplier)

Reference Spec #: 2P 18010

Supplier Data: Global Business Solutions
Address: Office #13, 4th Floor Al Mousa Tower, North Complex, Giza Street, Riyadh, K.S.A.

Manufacturer Data: GAMMA Factory for Metal Industries
Address: P.O. Box 280305, Riyadh 11585, Kingdom of Saudi Arabia

Remarks: Reference Approved: 00074-MST-100-0000-77-0010-0

Is to be used for: No other Project location as per Approved Design Drawing and related specification

Engineer's Sign: To enter Action Codes, Remarks and return to Contractor

Remarks: ACTION CODE 8
Control Saudi Factory Cabinet Racks are approved subject to 42 U 800 09 x 1200 U mm perforated double door on front and back. For main communication equipment in main communication racks.
Cabinet Rack 42 U 800 09 mm, 1200 800 09 mm, 1200 800 09 mm, perforated double door on front and perforated single door on back for sub-communication racks.

Action: ☒ Approved as submitted ☐ Approved as noted ☐ Revised and Resubmit

For Engineer's Use: Review By: 29-Oct-2017
Eng. Mujahid Alharbi
Signature: 29-Oct-2017

RTCC-KAP4 PROJECT
RECEIVED
29 OCT 2017

ELBEP ENGINEERING
Contracted by KAFO
70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

ELBEP ENGINEERING
Contracted by KAFO
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ELBEP ENGINEERING
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Document Information

Contractor: Material Submittal

Project: KSP-HCC-MAR-ELE-01026

21-Feb-24

Material: Equipment Rack

Manufacturer: GAMMA FACTORY FOR METAL IND.

Communications Racks, Cabinet & PDUs

Approved By: [Signature]

Date: 25/02/2024

1- Gamma Factory is approved for Communication Cables

2- Sizes shall be coordinated with low current supplies

3- Pans shall be provided

4- Top/Bottom entry shall be as per site condition

5- Front/back door in addition to side A/C air shall be available

CONTRACTOR: GULF PIONEERS CO. Contracting

OWNER: GENERAL DIRECTORATE OF INVESTIGATION

CONSULTANT: AAW & PARTNERS

PROJECT NO: 2154/1443

PROJECT NAME: [Blank]

BUILDING NAME: [Blank]

MAS - MATERIAL APPROVAL SUBMITTAL

REQUEST TYPE: NEW MATERIAL

REQUEST FOR: [Blank]

DATE: 28-Nov-23

LOCATION: [Blank]

ALL FLOORS / ALL BLOCKS

MANUFACTURER: GAMMA FACTORY FOR METAL IND.

COMPANY NAME: [Blank]

ADDRESS: [Blank]

LOCAL MANUFACTURER: [Blank]

PRODUCTION TIME: [Blank]

EVERY 100 UNITS: [Blank]

TOTAL DELIVERY TIME: [Blank]

INVOICE: [Blank]

DATE PRESENT: [Blank]

TOTAL PRECIOUS: [Blank]

ESTIMATED DATE ARRIVAL: [Blank]

WORK DESCRIPTION: DATA RACK MATERIAL SUBMITTAL

Supplier & Brand: [Blank]

* Distributor: [Blank]

* GAMMA For Metal Ind. KSA

CONTRACTOR'S SIGNATURE: [Signature]

DATE: 05 OCT 2023

12:34

APPROVAL CODES

APPROVED BY: [Signature]

DATE: 04/10/2023

APPROVED BY: [Signature]

DATE: 2023

PARSONS FAITH+GOULD WSP RTCC

MATERIAL SUBMITTAL FORM

Submittal Ref: KSP-RTC-LOP-CMT-ELE-MAT-0296

Revision: 00

Date: 28-Nov-2023

Program: King Salman Park

Project/Package: CPS 10 / Landscape Zone 1A (Ph1 Outside the Loop)

Contract No: 20230524015

Client: King Salman Park Foundation (KSPF)

Contractor: Al Rashid Trading & Contracting RTCC

PMO: Saudi Arabian Parsons Ltd (SAP)

Other Consultant: [Blank]

PMCM [1]: Faithful+Gould (FOS)

PMCM [3]: WSP Middle East (WSP)

Discipline: ☐ Civil ☐ Architecture ☐ Mechanical ☒ Electrical ☐ Information Technology ☐ Landscape ☐ Others

Material Name: Switch Cabinets

Specifications Reference: SECTION 27 11 16 COMMUNICATIONS RACKS, FRAMES AND ENCLOSURES

Manufacturer Name: Gamma Factory for Metal Industries

Location: KSA

Contractor PM: Engr. Ahmad Dahoun

Signature: [Signature]

Date: 28-Nov-2023

PMCM Material Engineer's Comments: Refer comments on page 3 below for compliance in next revision.

PMCM Project Manager's Comments: [Blank]

Submittal Status: ☐ A - Approved ☒ B - Approved as Noted ☐ C - Revise and Resubmit ☐ D - Rejected ☐ E - No Action Required

Name: Arshid Sumji

Date: 29/11/2023

PMO's Comments (if Required): [Blank]

Validated/Rejected by PMO: ☐ Validated ☐ Rejected

Name: [Blank]

Signature: [Blank]

Date: [Blank]

Document No: KSP-XXX-XXX-XXX-MAT-0001_00

Material Submittal Form No: KSP-ASP-FED-PSC-CMT-FPS-0301/01 (07-Jun-22)

Page 1 of 2

  	
PROJECT NO.: P157-08 PROJECT NAME: EDGEX RYADH DATA CENTER LOCATION: INDUSTRIAL AREA No 2, RYADH	
TECHNICAL SUBMITTAL - MATERIAL	
SUBMITTAL NO.: P157-08_MAT_ELE_008_Rev_003 REF NO.: N/A	
DATE: 18-08-2023 ☐ New Submittal ☒ Re-Submittal	
DISCIPLINE: ☐ CIVIL ☐ ARCHITECTURAL ☐ STRUCTURAL ☐ MECHANICAL ☐ PLUMBING ☒ ELECTRICAL ☐ OTHER	
Drawings: ☐ Plans ☐ Catalogs ☒ Certificate ☐ Calculations ☐ Specifications: ☒ Sample ☐ Sketch ☐ Supplier ☐ Others ☐ Sub-contractor: ☐ Test data ☐ Schedule ☐ Report ☐ Clarifications ☐	
DOC NO. P157-08_MAT_ELE_008	REV. 3
DESCRIPTION: Data System Passive Components (cabinets + PDU) Model as per attached list Brand: GAMMA for cabinets Brand: SARIX for PDU Origin: KSA	
	
ITEM NO. / BOQ: _____ LOCATION / USE: _____	
Are Schedule Inquiries? Yes ☐ No ☒ Are Cost Inquiries? Yes ☐ No ☒ Financial Status: Indefinite ☐ No ☒	
CONSTRUCTION DIRECTOR: _____ Signature & Date: _____ PROJECT MANAGER: _____ Signature & Date: _____	
SUPERVISOR CONSULTANT REVIEW & COMMENTS: 	
NAME: Ilias Chronopoulos  Signature & Date: _____	
ACTION CODES: (A) Approved ☐ (B) Approved as noted ☒ (C) Re-Submittal ☐ (D) Rejected ☐	

  	
Document Submittal	
Project Name: BANK AL BILAD BRANCH Project Start Date: 10/11/2022 Contractor Name: SULIMAN SWAYEH GROUP Submitted On: 08-08-2023	Project Code: 201104 Project Location: ADHA Consultant Name: AHMED AL-MOUSA CONSULTANTS Issue Date: 09/08/2023
Submittal Description	
Purpose of Submittal: ☒ For Approval ☐ For Information Submittal Discipline: ☐ Civil ☐ Architecture ☒ Electrical ☐ Fire Fighting ☐ HVAC ☐ Plumbing ☐	
Document Type: ☐ Tender Drawing ☐ Design Drawing ☐ Shop Drawing ☐ BFC Drawing ☒ Material Approval ☐ Vendor / Supplier Approval ☐ Method Statement ☐ Certificate ☐ Test Result ☐ Others: _____	
Description: LOW CURRENT 45U CABINET - GAMMA FACTORY FOR METAL IND.	
Contractor Engineer: _____ Signature: _____ Date: 09/08/2023 (Name) (Signature) (Date)	Project Manager: _____ Signature: _____ Date: 09/08/2023 (Name) (Signature) (Date)
Received by Consultant	
☐ A: Approved ☒ B: Approved with Comments ☐ C: Revise and Resubmit ☐ D: Rejected ☐ E: For Information	
Comments: - 45U 800-1000 19" rack to be provided (project specs). - Warranty & test certificates shall be provided.	
Consultant Engineer: _____ Signature: _____ Date: 12-02-2023 (Name) (Signature) (Date)	Consultant Project Manager: _____ Signature: _____ Date: _____ (Name) (Signature) (Date)
Bank Albilad Review	
Comments: 	
BAB Project Manager: _____ Signature: _____ Date: _____ (Name) (Signature) (Date)	Received By (Contractor): _____ Signature: _____ Date: _____ (Name) (Signature) (Date)
Contractor Project Manager: _____ Signature: _____ Date: _____ (Name) (Signature) (Date)	

 																	
Material Submittal Form																	
Submittal Ref.: D0901-ABR-MAT-ELE-000041 Project Title: AL AROUS - SINGLE FAMILY RESIDENTIAL UNITS (ZONE A, B AND C) Package: 1544 Client: BOSH Engineer/Consultant: Arabtech Jeddah (AJ SAUDI) Contractor: ABR CONTRACTING CO.	Revision: 00 Date: 26-August-2024																
Discipline: ☐ CIVIL ☐ ARCH ☐ MECH ☒ ELEC ☐ Others: _____																	
Material Details: Specs. / BOQ / Drawings Reference: Specified Material: Proposed Material: Manufacturer / Local Supplier: Reason for Alternative (if any): Remarks:	List of Enclosure: Copy of related specs. Compliance Statement Samples Others (Specify):																
Contractor Signature (s): <table border="1"> <tr> <th>Material Engineer</th> <th>Sr. QA/QC Manager</th> <th>Technical Manager</th> <th>MEP Manager</th> <th>Project Director</th> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table>		Material Engineer	Sr. QA/QC Manager	Technical Manager	MEP Manager	Project Director	_____	_____	_____	_____	_____						
Material Engineer	Sr. QA/QC Manager	Technical Manager	MEP Manager	Project Director													
_____	_____	_____	_____	_____													
Received By Engineer: <table border="1"> <tr> <th>Name</th> <th>Signature</th> <th>Date</th> <th>Time</th> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table>		Name	Signature	Date	Time	_____	_____	_____	_____								
Name	Signature	Date	Time														
_____	_____	_____	_____														
Submittal Status: ☐ A- Approved ☐ B- Approved with Comments ☐ C- Revise and Resubmit ☐ D- Rejected ☐ E- Acknowledged																	
Engineer's Comments: 																	
<table border="1"> <tr> <th>Reviewed by (Engineer)</th> <th>Name</th> <th>Signature</th> <th>Date</th> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Approved by (Engineer)</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Received By (Contractor)</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table>		Reviewed by (Engineer)	Name	Signature	Date	_____	_____	_____	_____	Approved by (Engineer)	_____	_____	_____	Received By (Contractor)	_____	_____	_____
Reviewed by (Engineer)	Name	Signature	Date														
_____	_____	_____	_____														
Approved by (Engineer)	_____	_____	_____														
Received By (Contractor)	_____	_____	_____														
Distribution: ☐ Engineer ☐ Contractor ☐ Others (Specify): _____																	

13 Sindalah Island
Riyadh, KSA
Riyadh
Saudi Arabia

AECOM Delivering a better world

MAIL TYPE: Workflow Transmittal
MAIL NUMBER: ACM-WTRAN-278646
REFERENCE NUMBER: ACM-WTRAN-278646

Final (WF-139072) 13-4800000849/000-Infra-IN-Construction - IFR-MAT - ELE-ICT

From: Mr Oussama Kewidh - AECOM
To (2): Mr Oussama Kewidh - AECOM (+1 more...)
Cc (8): Mr Peter Habib - AECOM (+7 more...)
Sent: Saturday, 17 August 2024 12:20:38 PM AST (GMT +03:00)
Status: N/A

DOCUMENT ATTACHMENTS (2)

File	Document No	Revision	Revision Date	Title	Status
	13-253002-4800000849-ARA-ICT-CRS-071036	01	08/08/2024	4800000849/000 - Material Submittal for ICT Rack Cabinet (Gamma)	B - Incorporate Comments - Proceed
	13-253002-4800000849-ARA-ICT-MAT-000011	01	08/08/2024	4800000849/000 - Material Submittal for ICT Rack Cabinet (Gamma)	B - Incorporate Comments - Proceed

MESSAGE

Workflow Review History

The attached documents have completed the "13-4800000849/000-Infra-IN-Construction - IFR-MAT - ELE-ICT" workflow with the following results:

This historical was automatically generated.

Doc No	Step	Participant	Review Outcome	Comments
13-253002-4800000849-ARA-ICT-CRS-071036	AECOM/PMC Review	O Kewidh	B - Incorporate Comments - Proceed	refer to comments in the attached sheet

Red Sea Global

MAIL TYPE: Workflow Transmittal
MAIL NUMBER: TRS03R02-WTRAN-012631
REFERENCE NUMBER: TRS03R02-WTRAN-012631

Final (WF-003532) Warranty Draft - Data Cabinets - Gamma

From: Najwa Dacu - The Red Sea Development Company
To (18): Mr Shayan Khattak - Al kifah contracting company (+14 more...)
Cc (2): Mr Shadi Alotaibi - The Red Sea Development Company (+2 more...)
Sent: Monday, November 14, 2022 11:14:43 PM AST (GMT +03:00)
Status: N/A

DOCUMENT ATTACHMENTS (1)

File	Document No	Revision	Title	Status
	R03-R02B01-KCC-WAR-OM-0080	00	Warranty Draft - Data Cabinets - Gamma	Accepted with Comments

ATTRIBUTES

Attribute 1: Site Wide

MESSAGE

Workflow Review History

The attached documents have completed the "Warranty Draft - Data Cabinets - Gamma" workflow with the following results:

This historical was automatically generated.

Doc No	Step	Participant	Review Outcome	Comments
R03-R02B01-KCC-WAR-OM-0080	QA/QC Review	W Alhaddad	Accepted	

Contract Title: Mobility Hub (D7 D8 D9)

Ref. No.: P-0013-PH01-D07-07A008-UNE-MAT-ELE-000023
Rev. No.: 04
Project No.: P-0013
Date: 20.08.24
Supervision Consultant: Dar Al Riyadh
Contractor: UNEC

Discipline

☐ Civil ☐ Structural ☐ Architectural ☐ Mechanical ☒ Electrical
☐ HVAC ☐ Plumbing ☐ Lifts ☐ Utilities ☐ Other:

Material Details

Material Name: Data and telephone system
Specification Ref. No.: 270553-271000
BOQ Ref. No.: -
Drawing Ref. No.: -
Manufacturer / Supplier Name: Data Active Solution (HUAWEI)
Passive Solution (Coming)
UPS Solution (Legrand)
Racks (GAMA)
Supplier: Dosor Najd Est
Prequalification (PQD) Ref. No.: P-0013-PH01-SIW-MH0001-UNE-PQD-ELE-000040

Contractor Check

This section to be completed by the Contractor prior to the Submission

Position	Name	Signature & Stamp	Date
QA/ QC Manager	Engr Mohamed Askar		20.08.24
Projects Director	Engr Essam Anwar		20.08.24

Site Supervision Consultant (DMS/SSC) Comment / Review

Comments:
Refer to the comments mentioned in the below page.

Final Comments & Decision:

☐ Approved ☒ Approved with Comments ☐ Rejected ☐ QA Rejected

Is Employer approval required? ☐ Yes ☒ No : Is FLS Supervision Consultant approval required? ☐ Yes ☒ No

Name: Mohammed Abdul Haseeb
Signature:
Date: 22 August 2024

FLS Supervision Consultant review (where required)

 Abu Dhabi Police Traffic Department	 وزارة النقل Ministry of Transport	MATERIAL INSPECTION REQUEST (MIR)	 ACONEX CONSTRUCTION SOFTWARE EST. 1996
Contract Title: Mobility Hub (OT D8 DV) Rfl No & Rev : P-0013-PH01-D07-07A006-UNE*- MIR-ELE-000075-02		Project No.: P-0013 Date: 08.06.24	
Supervision Consultant: Dor Al Riyadh Contractor: UNEC			
Material Details – by Receiver			
Description of Materials: - Material Inspection for RACKS for Data-Telephone System			
Supplier: Fujitsu Active Solution (HUAWEI)/Passive Solution (Corning/LUXE) Delivery Date: ~26.08.24 (MIR-VERTN) Racke (GAMA)			
Manufacturer: Fujitsu Active Solution (HUAWEI)/Passive Solution (Corning/LUXE) Delivery No.: DN-122222103-8 (MIR-VERTN) Racke (GAMA)			
Quantity Delivered: ☒ Exact Quantity ☐ Over ☐ Short ☐ Damaged			
Record of inspection by Contractor GC			
Material (MIR) Submitter No.: P-0013-PH01-S&V: VM0001-UNS-PCD-ELE-000015		Technical Submitter No.:	
Specification No.: 270553-271000		BCC Reference No.:	
Location of Use: Final Fix		Date & Time: 02.06.24	
Materials stored in accordance with manufacturer's requirements: ☒ Yes ☐ No			
Remarks:			
☒ Materials Approved ☐ Materials Rejected			
Contractor Inspector's / Engineer's Name: Engr. Zeshan Ahmad		Contractor Inspector's / Engineer's Signature: 	
Record of inspection by Site Supervision Consultant (SS&V/GC)			
Date:		Time:	
Remarks:			
- Comply with all the comments mentioned in the material submitted. - For any change, missing, damage – contractor shall be solely responsible.			
Inspector's Name & signature:			
Final Comments & Decision: <i>is MIR available in ACONEX? Yes ☒ No ☐</i> <i>If NO, the acceptance of this inspection contingent to provided status is subject to the submission in ACONEX within 24 hours. Failure shall invalidate this inspection.</i>			
Note: Contract does not release the Contractor of its obligations and liabilities under the Contract or constitute authorization of any change to Contract Documents, and therefore shall not imply any recognition whatsoever of additional time or cost to the Contract.			
P-0000-MHD-JOB-00000-0000-GAR-FIRM-000-000000-000			

 Abu Dhabi Police Traffic Department	 وزارة النقل Ministry of Transport	MATERIAL INSPECTION REQUEST (MIR)	 ACONEX CONSTRUCTION SOFTWARE EST. 1996
Contract Title: Mobility Hub (OT D8 DV) The Material is: ☒ Approved ☐ Approved with Comments ☐ Rejected ☐ QA - Rejected			
Is FLS supervision consultant approval required? Yes ☐ No ☐			
Engineer's Name: Dr. Approved with Comments No Additional Remarks - Dr. Ali Rajab Comments Page# 38394 - 23 PM CMT-23-00	Signature (x): 		
FLS Supervision Consultant review (where required)			
Final Comments & Decision:			
AMM/FLS Representative Name: AMANEC.FLS Signature & Stamp:	Date:		

[illegible]

		Site Requisition		Registration No. SR-RFP-ELI-20		
Project Details						
Project Name: Project Reference: Location:			Registration Date: No of Pages: 20-05-2024 Delivery to: Pre-logged: 23-05-2024			
Registration Details						
Sl	Cost Code	Material Description	Manufacturer Catalogue Number	Unit	Total Quantity	Store Availability
1		GAMMA NET FREE STAND RACK WITH ALL ACCESSORIES (POLICE)	CNC-PR-421-439-4F	PES	10	
2						
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Signatures					
Signature	Designation	Project Manager	Operation Manager	Dates in Charge	
Name: _____	Name: _____	Name: _____	Name: _____	Name: _____	
Signature: _____	Signature: _____	Signature: _____	Signature: _____	Signature: _____	
Date: _____	Date: _____	Date: _____	Date: _____	Date: _____	

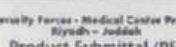
Documents Required :-

Technical Approval	☒	Contract/COQ	☒	Validation Certificate	☒	Submitted to Procurement Department	☒
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Aggndy phan call with my regional head for site rack 42U and because for confirm sites in submittal Approved for site - cable cable Top bottom and door (see attached file)



Monena-Tifs
Group of Institutions



REPUBLIC OF INDONESIA
Ministry of Health



Police

Security Forces - Medical Centre Project
Riyadh - Jeddah
Product Submittal (PS)

PKA - Riyadh
CONTRACTOR: *Atty Risk Design*
DATES OF ISSUE: 14 JULY 2022
Issuing No.
Issuing No.

No.	AA	AZ	004-13600	TS	PE	000	NO	NO	A
	Reg	Reg	Reg	Reg	Reg	Reg	Reg	Reg	Reg

1. GENERAL INFORMATION

1.1 PROJECT DESCRIPTION
1.1.1 PROJECT NAME: *SAUDI GASTROENTEROLOGY*
1.1.2 PROJECT LOCATION: *RIYADH, SAUDI ARABIA*
1.1.3 PROJECT OWNER: *SAUDI ARABIA*
1.1.4 PROJECT CONTACT: *SAUDI ARABIA*
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CONSULTANT APPROVALS

PROJECT DEPARTMENT-EAST
Projects Division-Hassa
Phone: 69303 Fax: 69372

Submittal No.
17-39185-30303401

Date: 12 December 2017

REQUEST FOR REVIEW OF CONTRACTOR'S SUBMITTAL

PROJECT TITLE
CONSTRUCTION OF ABQAQ-3 115/13.8 KV SUBSTATION

CONTRACT NO. 4400003695 **HI NO.:** 1-1333033 **JO NO.:** 1-1333033.01

Division Manager, TCD/TCD-EOA	Division Manager, TMSD/TMD
Engineering Specialist, EDD/EDD-TLU	Division Manager, AMD/HFTS&TD
Senior Engineer, EDD/EDD-SHU	Division Manager, AMD/HFD
Division Manager, GMS-EOA/SCADA-E	Division Manager, ISD/S&EPD
Supervisor, S&SDP&S/D/SQS	Division Manager, CSD/CSD-E
Division Manager, PD/DPD/EOA	Division Manager, AMD/DI/DE/GAN
Division Manager, TE&SAD/TE&SAD	Division Manager, P&CD/PHD
Division Manager, SOCD/COCD	Others (Specify):
Division Manager, O&CD/CSD	

Reference: 1. Submittal No. ACC-Abqaq-3-NG-E-17, Rev.0

PLEASE REVIEW THE FOLLOWING AND RETURN WITH YOUR COMMENTS/ACCEPTANCE BY:

DATE: 20 December 2017

TE & SAD / TE & SAD - EOA
Drawing (s) ☐ Material (s) ☐ Manual (s) ☐ Test Report (s) ☐
Specs Part (s) ☒ Others (Specify):

S. No.	Item	Qty	Remarks
1	1. Please find attached submission of Data Cabinets for 115/13.8KV Substation for your review and approval. For PDS	1 Set + CD	- Please e-mail an advance copy of your response to 99664/CE/07. - Your earliest response by the said date will be highly appreciated. - Please provide your comments specific to SOW/TS, FTS - 13EN117

Should you have any question, please contact
Sami H. Mahazshi/Wareem Khan on Ext. 69806/69889.

Sami H. Mahazshi
Project Engineer
Projects Dept.-E / Project Div. Al-Hassa

cc: Letter File, CN-440000369501 File

14 DEC 2017
RECEIVED
TE & SAD - EOA

1298

1212

Eastern Operating Area
Technical Correspondence

ملف أعمال الشرقية
مراسلات فنية

نقل الكهرباء
National Grid SA

TELECOM ENGINEERING & SUBSTATION AUTOMATION DEPARTMENT
TELECOM ENGINEERING & SUBSTATION AUTOMATION DIVISION
ROOM 1-2005, SEC-EOA HEADQUARTERS, DAMMAM
Tel : 868-6861 Email: 54774@ng.sa
21 DECEMBER, 2017

TE&SAD SUBMITTAL REVIEW REPLY

Ref. No. 17-1298-305033

TRANSMIT TO AS INDICATED BELOW: Subject: REVIEW OF CONTRACTOR'S SUBMITTAL

Project Title: CONSTRUCTION OF ABQAQ-3 115KV SUBSTATION
CONTRACT NO. 4400003695

☐ Supervisor, TMSD/ESD/PQS
☐ Utility, Sec's, Specialist, PD & C&EMD
☐ Group Leader, RVTG-EE & ITG-6AS1
☐ Project Manager, LHVTD-GOA
☒ Project Engineer, PD-EPD-HASSA
☐ Project Manager, T&P-EPD-HASSA
☐ Senior Engr., OTD/PD

DOC. REFERENCE: 1. (539) R-1000001, dated 12-12-2017
DOC. DISCRIPTION: Data Cabinet (for Telecom Station)

TE&SAD COMMENTS MARKED BY CHECK MARK

☒ Acceptable
☐ Acceptable Except As Noted
☐ See Attached Comments
☐ Incomplete Technical - Resubmit
☐ Not Acceptable / Resubmit
☐ No Comment

Note:
1. Ethel and GAMMA Flex are acceptable Data Cabinet, however, Contractor shall use minimum of 10 Data Cabinet inside Telecom Station.

HUSSEIN A AL-JISHI
Transmission Engineering Expert
TE&SAD-EOA

ROUTE: SAJIRGP-File: 4400003695

Southern Border Housing Project

ملف أعمال الحدود الجنوبية
A.H.C.H.N

Data/Telephone Systems Equipment Rack (Technical Data) - Gamma - Saudi Media System
SBH-00-000-AA-MA-MP-0316 Rev.01

With reference to the Data/Telephone System Equipment Rack (Technical Data) - (Gamma) - Saudi Media System, material order number SBH-00-000-AA-MA-MP-0316 Rev.01 received on May 04, 2017. Please be advised that the submittal has been reviewed and given "Status: M - APPROVED" dated 11/12/2017. The following comments shall be provided:

Prior to material delivery, the following comments shall be provided:

- Project Specs. Section 18720 Para 1.3 Items (B&C) & Section 18740 Para 1.3 Items (B&C) shall be submitted.
- Pin calculation details shall be submitted as per attached compliance sheet.
- Material list stamped by the contractor including all items that shall be used with the product model numbers must be submitted.
- All submitted logs/governmental certificates to be renewed, where applicable and to remain valid during the project life cycle.

Note:
As per MOI Letter Ref. 8027 dated 14/07/2017 H, Contractors have to adhere to the following:

- Contractors should submit (three (3)) Suppliers and Manufacturers for each material or equipment, as per Contract Particular Conditions Clause (27) and Clause (30) Item (30.2).
- Local Manufacturers have the priority and shall prevail, as per Contract General Conditions Clause (12) Item (12.3.1) and Ministerial Decree no. 42539 dated 6/4/1435 H.
- Each Material should be supplied to each site by One Manufacturer/Supplier only.

Disclaimer: This conditional approval will be subjected to verification for compliance with the applicable comments and all relevant terms and conditions of the contract. This note "E" approval does not relieve the contractor of ANY obligation under the contract and is independent of any future review and submitted approval design.

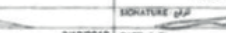
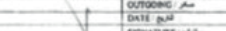
This is for your information and relevant action.

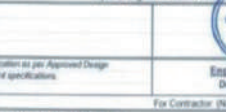
Comments:
MA / JK, JS, MG, LS

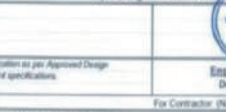
07/09/2017

Page 1 of 1

CONSULTANT APPROVALS

					
PROJECT NO / رقم المشروع : 102 Work Package / حزمة الأعمال : AL GAMMA (SI), ASER (SI) & DIAHRYAN AL JANDUB (SI) Location / الموقع : JANDUB 531		PROJECT NAME / اسم المشروع : South Border Housing Project Area / المنطقة : AFTER SOUTHERN Discipline / التخصص : ELECTRICAL		Ref. No / رقم المرجع : SBH-00-000-AA-31A-SIP-0006 Rev. No / رقم المراجعة : 00 Date / التاريخ : 29/10/2018 Contract No / رقم العقد : 154/53-1	
MATERIAL SUBMITTAL / مواد للتقديم : Material Description (One Item only per each form) / وصف المواد (مادة واحدة لكل نموذج) : OUT DOOR FIBER CABLE, FDT & ENCLOSURES (TECHNICAL DATA) / كابل ليف خارجي، صندوق توزيع وكابلات As Specification / حسب المواصفات : ☒ As Alternative / بديل : ☐					
Drawing Ref / مرجع المخطط : 16718 Specifications Ref / مرجع المواصفات : 16718 Standards, BS, DIN, IEC / المعايير : SASO, ISO, IEC		B.O.Q Ref No / المرجع في جدول الكميات : 16718 Standards, BS, DIN, IEC / المعايير : SASO, ISO, IEC		Link to relevant technical drawings and/or Material specifications, contract and conditions, etc. / رابط إلى المخططات الفنية ذات الصلة ومواصفات المواد، العقد والشروط، الخ. MANUFACTURER / SUPPLIER / المصنع / المورد :	
Company Name / اسم الشركة : CORNING, GAMMA Address / العنوان : P.O. BOX 585, BILADHI-11421, KSA Local Agent / الوكيل المحلي : HOSHAN INTEGRATED SYSTEM		Local Manufacturer / المصنع المحلي : C.C.A.S.G. Manufactured Production Period / مدة الإنتاج : TO SITE Delivery Ex-Works / التسليم خارج المصنع : TO SITE Total Delivery Time / إجمالي وقت التسليم : YES Overhead / التكلفة الزائدة : N/A Sea Freight / الشحن البحري : N/A Total Freight / الشحن الإجمالي : N/A Expected date of arrival on site / التاريخ المتوقع لوصول المواد إلى الموقع :		Programmed Date material required on site / التاريخ المتوقع لوصول المواد إلى الموقع :	
Reference / مرجع : 1. SBH-00-000-AA-31A-SIP-0006 REV. 00 (SUBMITTAL CODE-B) 2. SBH-00-000-AA-31A-SIP-0006 REV. 00 (SUBMITTAL CODE-B)					
Contractor's Authorized Manager / مدير المشروع المصرح به : Mr. MAGDY EL SAYED HEGAZY Signature / توقيع :  Date / التاريخ : 24/10/2018		Consultant's Comments / ملاحظات الاستشارة : (An approval does not release the Contractor of his obligations under the Contract and he shall be liable for all costs, delays and expenses by the subcontractor) Refer to attached comments			
Status / الحالة : ☐ A - APPROVED / ☒ B - APPROVED AS NOTED / ☐ C - REVISE & RESUBMIT / ☐ D - REJECTED		Contractor's Representative / ممثل المقاول : Michael Azmy Signature / توقيع :  DATE / التاريخ : 3/12/2018 INCOMING / وارد :  DATE / التاريخ : 3/12/2018 OUTGOING / صادر :  DATE / التاريخ : 3/12/2018			

Kingdom of Saudi Arabia Security Planning and Development Agency - KAP4 Project PROGER RTCC	
Ministry of Interior PROGER Engineering & Management General Directorate of Admin Investigation Project No. / رقم المشروع : 102 Project Manager - Proger Head Office / مدير المشروع - مقر الشركة : KAP4 - MAT - 102 - 0000 - TT - 0013 E Date / التاريخ : 30-Mar-17	
Document / Material Submittal Description / وصف : ☐ Civil ☐ Arch ☐ Inter ☐ Mech ☒ Elec Submitted For / مقدم لـ : ☒ Approval ☐ Information ☐ Review ☐ Site Use Attachments / ملحقات : ☐ Sample ☒ Catalogue / Manuals ☐ Compliance Cert ☒ Manufacturer Data & Specification ☐ Drawings ☐ Procedures ☐ Spare Parts List ☐ Calculation Sheet ☐ Others/Specify / ☐ List Documents	
Item Description / وصف البند : IP TELEPHONY AND DATA SYSTEM (Cabinet Rack - 22U) No. of Submittals / عدد المقدمتين : 1 Submitted No. / رقم المقدمة : 3 Document / Material Description / وصف البند / وصف المواد : IP TELEPHONY AND DATA SYSTEM (Cabinet Rack - 22U) Reference Specs # / رقم المواصفات المرجعية : 2F 16718	
Supplier Data / بيانات المورد : Name / اسم : EBTIKAR TECHNOLOGY CO. LTD. Address / عنوان : P.O. Box 52008, Riyadh 11513, Kingdom of Saudi Arabia Manufacturer Data / بيانات المصنع : Name / اسم : GAMMA Factory for Metal Industries Address / عنوان : Riyadh, Kingdom of Saudi Arabia Samples / عينات :  Remarks / ملاحظات :  Is to be used for: / هل سيتم استخدامه لـ : the whole Project location as per Approved Design Drawing and relevant specifications. For Contractor (Name / Title / Signature / Stamp) / للمقاول (الاسم / المنصب / التوقيع / الختم) :  Engineer's Rep. to enter Action Code, Remarks and return to Contractor. / مهندس الاستشارة ليدخل رمز الإجراء، ملاحظات ويعود للمقاول : Remarks / ملاحظات : Gamma Factory for Metal Industries / Ebtikar Technology Co. Ltd are approved as manufacturer/ integrator & supplier respectively.	
Action / إجراء : ☐ A - APPROVED AS SUBMITTED / ☒ B - APPROVED AS NOTED / ☐ C - REVISE & RESUBMIT / ☐ D - REJECTED For Engineer's Use / لمستخدم مهندس الاستشارة :  Supervisor/Manager / مدير / مدير عام :  DATE / التاريخ : 30-April-2017 DATE / التاريخ : 30-April-2017	

Kingdom of Saudi Arabia Security Planning and Development Agency - KAP4 Project PROGER RTCC	
Ministry of Interior PROGER Engineering & Management General Directorate of Admin Investigation Project No. / رقم المشروع : 102 Project Manager - Proger Head Office / مدير المشروع - مقر الشركة : KAP4 - MAT - 102 - 0000 - TT - 0013 E Date / التاريخ : 30-Mar-17	
Document / Material Submittal Description / وصف : ☐ Civil ☐ Arch ☐ Inter ☐ Mech ☒ Elec Submitted For / مقدم لـ : ☒ Approval ☐ Information ☐ Review ☐ Site Use Attachments / ملحقات : ☐ Sample ☒ Catalogue / Manuals ☐ Compliance Cert ☒ Manufacturer Data & Specification ☐ Drawings ☐ Procedures ☐ Spare Parts List ☐ Calculation Sheet ☐ Others/Specify / ☐ List Documents	
Item Description / وصف البند : IP TELEPHONY AND DATA SYSTEM (Cabinet Rack - 22U) No. of Submittals / عدد المقدمتين : 1 Submitted No. / رقم المقدمة : 3 Document / Material Description / وصف البند / وصف المواد : IP TELEPHONY AND DATA SYSTEM (Cabinet Rack - 22U) Reference Specs # / رقم المواصفات المرجعية : 2F 16718	
Supplier Data / بيانات المورد : Name / اسم : EBTIKAR TECHNOLOGY CO. LTD. Address / عنوان : P.O. Box 52008, Riyadh 11513, Kingdom of Saudi Arabia Manufacturer Data / بيانات المصنع : Name / اسم : GAMMA Factory for Metal Industries Address / عنوان : Riyadh, Kingdom of Saudi Arabia Samples / عينات :  Remarks / ملاحظات :  Is to be used for: / هل سيتم استخدامه لـ : the whole Project location as per Approved Design Drawing and relevant specifications. For Contractor (Name / Title / Signature / Stamp) / للمقاول (الاسم / المنصب / التوقيع / الختم) :  Engineer's Rep. to enter Action Code, Remarks and return to Contractor. / مهندس الاستشارة ليدخل رمز الإجراء، ملاحظات ويعود للمقاول : Remarks / ملاحظات : Gamma Factory for Metal Industries / Ebtikar Technology Co. Ltd are approved as manufacturer/ integrator & supplier respectively.	
Action / إجراء : ☐ A - APPROVED AS SUBMITTED / ☒ B - APPROVED AS NOTED / ☐ C - REVISE & RESUBMIT / ☐ D - REJECTED For Engineer's Use / لمستخدم مهندس الاستشارة :  Supervisor/Manager / مدير / مدير عام :  DATE / التاريخ : 30-April-2017 DATE / التاريخ : 30-April-2017	

 Southern Border Housing Project 

Data/Telephone System Equipment Rack (Technical GAT) – Geneva – Small Media System

EPH-00-000-AA-MA-MP-0316 Rev.01

With reference to the Data/Telephone System Equipment Rack (technical GAT) – (Geneva) – Small Media System, material identification number EPH 00-000-AA-MA-MP-0316 Rev.02 received on May 04, 2017. Please be advised that the submittal has been reviewed and given **OK** **Approved as noted**. With the following comments below:

Due to expedient delivery, the following comments shall be finalized:

- 1- Project Specs. Section 16720 Para 1.3 Items (B&C) & Section 16740 Para 1.3 Items (B&C) shall be submitted.
- 2- Fan calculation data's shall be submitted as per attached compliance sheet.
- 3- Material list stamped by the contractor including all items that shall be used with the product model numbers must be submitted.
- 4- All submitted legal/governmental cert's copy to be renewed, where applicable and to remain valid during the project life cycle.

Note:

As per MOI Letter Ref. 6627 dated 14/07/2017 is, Contractors have to adhere to the following:

- A. Contractors should submit these (3) Suppliers and Manufacturers per each material or equipment, as per Contract Particular Conditions Clause (27) per Clause (20.2) Item (30.2)
- B. Local Manufacturers, have the priority and shall prevail, as per Contract General Conditions Clause (B)(2) Item (12.2.1) and Ministerial Decree no. 42559 dated 6/6/2015 H
- C. Each Material should be supplied to each site by One Manufacturer/Supplier only

Disclaimer: This conditional approval will be subjected to verification for compliance with the applicable conditions and all relevant terms and conditions of the contract. This note "B" approval does not relieve the contractor of **ANY** obligation under the contract and is independent of any future review and selected approval design.

This is for your information and relevant action.

Contractor's comment:

MA / JK, JK, RS, MD, LV



07/09/2017 Page 1 of 1

Kingdom of Saudi Arabia Security Planning and Development Agency - KAPSI Project R-IN-21332					
Ministry of Interior Project Name: General Directorate of Passport		PROGER Engineering & Management Project No.: 111		RTCC Al Rashid Trading & Construction Subcontract No.: KAPSI - MAT 511 - XXXXX - TT - 2012	
To: Project Manager - Proger Head Office		Date: 28-Apr-16		By:	
Document / Material Submittal					
Executing: ☐ Civil ☐ Arch ☐ Inter ☐ Mech ☐ Elec					
Submitted For: ☒ Approval ☐ Information ☐ Review ☐ Bill Use					
Attachments: ☒ Sample ☐ Catalogue / Manuals ☐ Compliance Cert. ☐ Manufacturer Data & Specification ☐ Drawing ☐ Procedures ☐ Spare Parts List ☐ Calculation Sheet ☐ Other/Specify:					
Item Description					No. of Submittals
IP TELEPHONY AND DATA SYSTEM (CABINET RACKS)					3
Document, Material Description					Reference Specs 6
IP TELEPHONY AND DATA SYSTEM (CABINET RACKS)					ZF 18718
Supplier Data					
Name: 					
Address: P.O. Box Riyadh, Kingdom of Saudi Arabia					
Manufacturer Data: GAMMA Factory for Metal Industries Riyadh, Kingdom of Saudi Arabia					
Name: 					
Address: 					
Samples: GAMMA FIBER STAINING CABINET					
Samples Description: 					
Remarks:					
To be used for: the whole project location as per approved design drawing and relevant specification.					
For Contractor, Name / Title / Signature: Engr. Mohammed Al Zaidi Deputy General Manager					
Engineer's Rep. to enter Action Codes, Remarks and return to Contractor. Remarks: ACTION CODE B					
Approval is subject to our comments on the attached sheet.					
Action: ☒ APPROVED AS SUBMITTED ☐ REJECTED ☐ APPROVED AS NOTED ☐ FOR INFORMATION ☐ REVISE AND RESUBMIT					
Contractor's Rep.: Eng. Bana Al Murtadha Name: Date: 27-April-2016 Reviewer's Remarks: Eng Francesco Clemente Name: Date: 27-April-2016					

[illegible]

Kingdom of Saudi Arabia
Ministry of Interior
Security Planning and Development Agency - KAP3 Project

PROGER Engineering & Management
SAUDI BINLADIN GROUP

Model No. MAT-GEN-T0043
Rev. 01
Discipline Low Current
Design Phase Detailed Typological Design
Material Description Audio/Visual System (Detection & Interrogation) - 2/23

ITEMS TO BE CHECKED

PRODUCTS

KAP3-CHK-MAT-00-0000-TT-0043-B

Kingdom of Saudi Arabia
Ministry of Interior
Security Planning and Development Agency - KAP3 Project

PROGER Engineering & Management
SAUDI BINLADIN GROUP

Model No. MAT-GEN-T0043
Rev. 01
Discipline Low Current
Design Phase Detailed Typological Design
Material Description Audio/Visual System (Detection & Interrogation) - 2/23

ITEMS TO BE CHECKED

PRODUCTS

KAP3-CHK-MAT-00-0000-TT-0043-B

Kingdom of Saudi Arabia
Ministry of Interior
Security Planning and Development Agency - KAP3 Project

PROGER Engineering & Management
SAUDI BINLADIN GROUP

Model No. MAT-GEN-T0043
Rev. 01
Discipline Low Current
Design Phase Detailed Typological Design
Material Description Audio/Visual System (Detection & Interrogation) - 2/23

ITEMS TO BE CHECKED

PRODUCTS

KAP3-CHK-MAT-00-0000-TT-0043-B

 Kingdom of Saudi Arabia
Ministry of Interior
Security planning and development Agency
KAPS Project



MATERIAL APPROVAL - CHECK LIST

KAP 3	MODEL NO.	ALL	SITE NO.	---
CONTRACTOR SUBMISSION NO.	MAT-GEN-T0043		REV. NO.	01
DISCIPLINE	Low Current		DESIGN PHASE	Detailed Typological Design
MATERIAL DESCRIPTION	Audio/Visual System (Detention & Interrogation) - ☐ - 2/3			

LIST OF ITEMS

ITEMS TO BE CHECKED	CHK	NOTES
Certificates of compliance with local and international codes and standards	☐	Refer to remark #10
Indication of warranty period as per contract documents	☒	Refer to remark #11
Technical data sheets and catalogues (one original catalogue is mandatory)	☒	Copy
Operation and maintenance manuals as per contract documents	☒	
Approvals of local authorities having jurisdiction, if required	☐	
Manufacturer installation details recommendations and instructions	☐	
Factory routine test certificates and third party test certificates, if required	☐	
Time schedule for Materials submittal (approved by PROGER) showing all material and its planned submittal dates attached	☐	Not provided, contractor has also to indicate the date of submittal for each supplier/manufacturer if they (at least three) are not submitted together.
Suitability of the operating temperature of the product in reference to environmental factors of the site, if required	☒	
SAMPLE CATEGORIES		
Submission of one samples board for each manufacturer/supplier, if possible	☐	Refer to remark #12
Indication of manufacturer name, contact details and country of origin for each sample	☐	
Indication of suppliers name, contact details and country of origin for each sample	☐	
Indication of sample name and model number below each sample on the board (they have to be securely fixed)	☐	

REMARKS

1. Reference for the submitted material is RF1 # E0014 dated 2nd August 2015 approved by Client on 0th August 2015 without any V.O. or extra cost with all complementary components.

KAP3-CHK-MAT-00-0000-TT-0043-B pag. 2

 Kingdom of Saudi Arabia
Ministry of Interior
Security planning and development Agency
KAPS Project



MATERIAL APPROVAL - CHECK LIST

KAP 3	MODEL NO.	ALL	SITE NO.	---
CONTRACTOR SUBMISSION NO.	MAT-GEN-T0043		REV. NO.	01
DISCIPLINE	Low Current		DESIGN PHASE	Detailed Typological Design
MATERIAL DESCRIPTION	Audio/Visual System (Detention & Interrogation) - ☐ - 2/3			

LIST OF ITEMS

ITEMS TO BE CHECKED	CHK	NOTES
2. NTSC shall be used instead of PAL according to the submitted manufacturer recommendation letter.		
3. Remote keypad accessories shall be included for desk/stand mounted or surface mounted box. Multi-viewer magnetic mounted (stand shall be specified) location to be specified on submitted drawings.		
4. Item #10 and #11, shall be as per submitted updated material list.		
5. Item #11 in the material list shall be as per submitted updated material list. Cabinet size shall be consistent with its all components.		
6. Submitted devices shall include power supply. Power vsp included in the submitted rack.		
7. Submitted Multi track audio recorder ICE-16 is with 16 input. Contractor is responsible to provide other multitrack or acceptable solution if submitted 16x16 not enough without any additional cost or V.O.		
8. For the Submitted MICs, ceiling/floor ceiling, ceiling height and cable length (attenuation, cable in one piece) shall be consider for Mic sensitivity. Coordination with other disciplines is required. Submitted MICs are not appropriate to be install in concrete ceiling (contractor responsibility). Vandal proof shall be consider for the detention areas.		
9. Compatibility and integration is contractor responsibility for system components.		
10. ISO certificates, system components certificates manufacturer and supplier governmental certificates are missing.		
11. Warranty letters shall be submitted by contractor and manufacturer without any conditions with 10years spare parts letter.		
12. Sample board and CD with softcopy not submitted.		
13. Refer to attached updated docs.		

KAP3-CHK-MAT-00-0000-TT-0043-B pag. 3

 Kingdom of Saudi Arabia
Ministry of Interior
Security planning and development Agency
KAPS Project



MATERIAL APPROVAL - CHECK LIST

KAP 3	MODEL NO.	ALL	SITE NO.	---
CONTRACTOR SUBMISSION NO.	MAT-GEN-T0043		REV. NO.	01
DISCIPLINE	Low Current		DESIGN PHASE	Detailed Typological Design
MATERIAL DESCRIPTION	Audio/Visual System (Detention & Interrogation) - ☐ - 2/3			

LIST OF ITEMS

ITEMS TO BE CHECKED	CHK	NOTES
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SUBMISSION FINAL RESULT (CODE)

A - APPROVED AS SUBMITTED ☐ B - ACCEPTED EXCEPT AS NOTED ☒ C - REVISE AND RESUBMIT ☐ D - REJECTED ☐			
REVIEWED BY	W. Hassan	SIGNATURE 	DATE 21/08/2015
CHECKED BY	G. Paparo	SIGNATURE 	DATE 21/08/2015
APPROVED BY	M. Gauraha	SIGNATURE 	DATE 5/9/15

KAP3-CHK-MAT-00-0000-TT-0043-B pag. 4

R-49-30142

Kingdom of Saudi Arabia Security Planning and Development Agency - KAP4 Project					
 Ministry of Interior		 PROGER		 RTCC At Request Trading & Contracting	
Project Name: General Directorate of Admin Inspection		Subcontract No.		Rev.	
Project No: 102		KAP4 - M07 - 102 - 0003 - TT - 0013		Rev. 0	
To: Project Manager - Project Head Office		Date: 29-03-17			
Document / Material Submittal					
Description: ☐ Civil ☐ Arch ☐ Structural ☐ Mechanical ☒ Electrical					
Submittal Part: ☒ Approval ☐ Information ☐ Review ☐ Site Use					
Attachments: ☐ Samples ☐ Catalogue / Materials ☐ Compliance Chart ☒ Manufacturer Data & Specification ☐ Drawings ☐ Possibilities ☐ Space Plan / Lst					
Item Description				No. of Submittals	
IP TELEPHONY AND DATA SYSTEM - CABINET RACKS (Alternative Supplier)				2	
Document, Material Description				Submittal No. 2	
Reference Space #					
IP TELEPHONY AND DATA SYSTEM - CABINET RACKS (Alternative Supplier) 1. 432 - 800 x 1000 2. 432 - 800 x 800 3. 232 - 800 x 800 4. 160 - 800 x 800 5. 93 - 800 x 800				IP 16710	
Supplier Data					
Name: Global Business Solutions Address: Office #13, 4th Floor Al Mawana Tower, North Complex, Olaya Street, Riyadh, K.S.A.					
Manufacturer Data					
Name: SABIRA Factory for Metal Industries Address: P.O. Box 268299, Riyadh 11585, Kingdom of Saudi Arabia					
Samples Description: 					
Remarks: Reference Approved: KAP4-M07-102-0003-TT-0013-1					
To be used for: For the entire Project location as per Approved Design Drawing and relevant specification			Eng. Mohamed Al Wazir Deputy General Manager For Contractor (Name / Title / Signature / Stamp)		
Engineer's Req. To enter Action Codes, Remarks and return to Contractor. Remarks: ACTION CODE B Note: Cabinet Racks Cabinet Racks are approved subject to 42 U-800 W x 1000-D mm perforated double door on front and back. For major communication equipment in major communication rooms. Cabinet Racks 42 x 600x800 mm, 232x800x800 mm, 160x800x800 mm, 93x800x800 mm perforated double door on front and perforated single door on back for rack communication rooms.					
APPROVED BY: ☒ APPROVED AS SUBMITTED ☒ APPROVED AS REVISED ☐ REVISE AND RESUBMIT ☐ REJECT					
For Engineer's Use: ☐ Approved as Submitted ☒ Approved as Revised ☐ Revise and Resubmit ☐ Reject Name: Eng. Majid Almerai  29-Oct-2017 Name: Eng. Ahmed Almerai  29-Oct-2017 Date: _____ Date: _____					

KAP4-2008-001 (Rev.1) Standard Form 07/02

KAP4-2008-001 (Rev.1) Standard Form 07/02



[illegible]

HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Supplier Pre-Qualification Submittal

Project No: 22-MAR-2018

Project Name: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Supplier Name: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Address: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Telephone: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Fax: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Website: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Date: 22-MAR-2018

Submittal Time: 10:00 AM

Submittal Location: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Method: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Status: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Comments: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Approval: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Signature: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Stamp: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Data & Telephone BoQ

Project No: 22-MAR-2018

Project Name: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Supplier Name: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Address: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Telephone: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Fax: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Website: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Date: 22-MAR-2018

Submittal Time: 10:00 AM

Submittal Location: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Method: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Status: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Comments: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Approval: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Signature: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Stamp: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

PROJECT: THE CUBE

MATERIAL SUBMITTAL FORM (MSMF)

Project No: 22-MAR-2018

Project Name: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Supplier Name: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Address: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Telephone: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Fax: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Website: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Date: 22-MAR-2018

Submittal Time: 10:00 AM

Submittal Location: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Method: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Status: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Comments: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Approval: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Signature: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

Submittal Stamp: HARMAN SHAREFAIN DEVELOPMENT OF SECURITY CENTERS - KAPOL

RADISSON BLU HOTEL
AL KHOBAR, K.S.A.

MATERIAL SUBMITTAL FORM

Client:  MEP Contractor:  Consultant: 

Purpose of Submittal:
☐ FOR APPROVAL
☐ FOR REVIEW & COMMENTS
☐ FOR INFORMATION/REFERENCE
☐ OTHERS

Submittal No.: EL-MB-015
 Date: April 22, 2016
 Revision: 2

Work Area:
☐ BUILDING ☐ ARCHITECT ☐ ELECTRICAL/ELECTRONIC ☐ SANITARY
☐ INFRASTRUCTURE ☐ CIVIL ☐ MECHANICAL ☐ APPLIANCES

ITEM	MATERIAL DESCRIPTION	REMARKS
1	NETWORKING & TELECOMMUNICATIONS CABINET RACKS GAMMA - FREE STANDING CABINETS - 40U GAMMA - WALL MOUNTED CABINETS - DOUBLE SECTION WALL MOUNT GAMMA - ENCLOSURES - INDOOR & OUTDOOR TYPE MANUFACTURED BY GAMMA FACTORY FOR METAL BLDG., K.S.A. COMPLIANCE/STANDARDS - IEC-220 D, ISO STANDARDS XXXXXXXX NOTHING FOLLOWS XXXXXXXX	For Networking, Telecommunications and Low Current applications. Metal enclosures for electrical and low current applications as required.

Attachment:
☐ CATALOGUE ☐ SPECIFICATION ☐ PICTURE ☐ DRAWING ☐ SAMPLE

Consultant Remarks:
 Supply and installation according to approved shop drawing and specification.

Submittal Status:
 CODE:
 A. Approved (Work may proceed)
 B. Approved as noted (Work may proceed) subject to incorporation of changes indicated.
 C. Approved as noted (Reviewed & Resubmit)
 D. Disapproved (Reviewed & Resubmit)
 E. Work may not proceed

MEP Contractor:
 Name: Engr. Gamal Anis Radd
 Signature: 
 Date: April 22, 2016

Consultant:
 Name: Nicholas Dondel
 Signature: 
 Date: 10/5/2016

DIYAR
Saudi Diyar Consultants

Site Staff Comments

Subject: material submitted for Battery Rack
 Received Date: 01/8/2017
 Issued Date: 06/8/2017

Contractor: ICS
 Project Title: land and marine perimeter security system
 Project No.: JET567
 Attachment: Pre-qualification, Catalogue, Technical data
 Trace Number: DT-ACAD-BALAW-1175-007
 Date: 01/8/2017

Comments/Remarks, and the requirements were met and the vendor with the following comments/Remarks:

Item No.	Comments	Response/Action
1	GAMMA is approved as a manufacturer for Battery Rack subject to the following:	3
2	The warranty shall be extended to become 10 years from the date of delivery against manufacture defects.	
3	Contractor shall submit the total number of batteries with the catalogue for each location of the UPS's with the trace back for each UPS to achieve 4 hours as a back up time for all UPS's taking in the consideration the loads of the distribution switches.	

Name: Ahmed Elmad
 Electrical Engineer
 Date: 6/8/2017

ICS TRANSMITTAL SUBMITTAL DOCUMENT
 GID UP

Project Name: GID/UP DATA CENTER, JEDDAH, KSA
 Project No.: A12101
 Contractor: ICS
 Designer: JLEPA
 To: GID PMO PROGRAM MANAGER
 Copy:

Attachment No.: 1
 Submittal Date: 30-Oct-17
 Review Submittal: -
 Period Date: -

PURPOSE OF SUBMITTAL:
☐ For Information ☐ For Comment ☒ For Approval

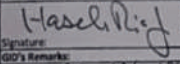
DISCIPLINE:
☐ ISA ☐ Electrical ☐ Mechanical ☐ IT ☒ ICT ☐ Plant ☐ Others

ATTACHMENT:
☐ Catalogue ☐ Drawing ☐ Certificate ☐ Sample ☒ Tech. Data ☐ Calculation ☐ Others

SHOW DRAWINGS SUBMITTAL:

Dr. No.	Submittal Reference No. / Drawing Number/Document Number	Drawing/Document Title	No. of copies	Rev. No.	Action Code
1		Access Control Material 1. Cabinet Box (GAMMA) 2. PIR Sensor 3. Magnetic Lock	1 1 1		

Contractor's Remarks:

Name: Haseeb Riaz
 Signature: 
 Date: 30-Oct-17

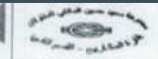
GID's Remarks:
 1- SINGLE MAG. LOCK MODEL (EM-301ED)
 2- DOUBLE MAG. LOCK MODEL (EM-300D (LED))
 3- ALL SCREWS SHALL BE GALVANIZED. SCREEN SET WITH COMES WITH THE MAG. LOCKS SHALL BE REPLACED WITH GALVANIZED SCREENS.

GID's Representative:
 Name: KHAMMAM HADJI
 Position: PROG. MGR.
 Date: 01-Nov-2017

Action Code:
 A. APPROVED
 B. APPROVED AS NOTED
 C. RETURN

REF. IN: Signature: Date: REF. OUT: Signature: Date:

RADISSON BLU HOTEL AL KHORAF, K.S.A			
MATERIAL SUBMITTAL FORM			
Client: 	MEP Contractor:  Middle East Building Systems Co. Ltd. P.O. Box 10250, Jeddah 21511, K.S.A. Tel: 011 261 2000 Fax: 011 261 2001	Consultant:  EHAF ENGINEERING & ARCHITECTURE www.ehaf.com.sa	
Purpose of Submittal: ☐ FOR APPROVAL ☐ FOR REVIEW & COMMENTS ☐ FOR INFORMATION REFERENCE ☐ OTHER: ☐ NEW SUBMITTAL ☐ RESUBMITTAL			
Work Area: ☐ BUILDING ☐ INFRASTRUCTURE ☐ ARCHITECT ☐ CIVIL ☐ ELECTRICAL/LOW CURRENT ☐ MECHANICAL		Submittal No.: EL-MS-013 Date: April 27, 2018 Revision: 0 ☐ SANITARY ☐ APPLIANCES	
ITEM	MATERIAL DESCRIPTION NETWORKING & TELECOMMUNICATIONS CABINET RACKS GAMMA - FREE STANDING GAMMA - 42U GAMMA - WALL MOUNTED CABINETS - DOUBLE SECTION WALL MOUNT GAMMA - ENCLOSURES - INDOOR & OUTDOOR TYPE MANUFACTURED BY: GAMMA FACTORY FOR METAL IND., K.S.A. COMPLIANCE/STANDARD: EIA-310-D, ISO STANDARDS XXXXXX NOTHING FOLLOWS XXXXXX		REMARKS For Networking, Telecommunications and Low Current applications. Metal enclosures for electrical and Low current applications as required.
Attachment: ☐ CATALOGUE ☐ SPECIFICATION ☐ PICTURE ☐ DRAWING ☐ SAMPLE			
Consultant Remarks: <i>= Supply and installation according to approved shop drawing and specification.</i>			
Submittal Status: CODE: ☒ A Approved (Work may proceed) ☐ B Approved as noted (Work may proceed) ☐ C Subject to incorporation of changes indicated ☐ D Unapproved (Revised & Resubmitted) ☐ E Work may not proceed MEP Contractor: Name: Eng. Gamil Anis Ragh Signature: <i>[Signature]</i> Date: April 27, 2018 Consultant: Name: Mohammed Doudak Signature: <i>[Signature]</i> Date: 10/5/2018			

المنظمة العربية للتربية والثقافة والعلوم جامعة بغداد / الكوفة			
طلب اقتناء مواد			
Material Submittal / Approval Request			
SUBMITAL No. :		Re-SUBMITAL No. :	
Date : 2014 28			
Project Name : مشروع إنشاء ممتلكات الجامعة العراقية			
Site : حياد جنة الكاظمي			
Building / Structure : مبنى المكتبات			
Item No :		رقم البند : 22-23-34	
Material spec :		وصف المادة : 142-143	
Quantity As Contract :		Spec As Contract :	
الملاحظات حسب العقد :			
المتصلح : مصنع عظام الصادقات العراقية			
العنوان : الرافض سائدي بريد 390395			
الهاتف : 00966-002428538			
جهة الاتصال : مكتوب			
نوع التقديم :			
Site ☐	Arch ☐	Elect ☒	Mech ☐
Others :			
المرفقات :			
Catalog ☒	Draw ☐	License ☐	Sample ☐
Others :			
تم مراجعة المشروع والمواصفات على مسطرة العقد			
تم توقيع مدير المشروع : م. هادي التميمي			
RESULT			
ملاحظات وتوقيع مدير المشتريات :			
.....			
.....			
.....			
CONSULTANT'S PROJECT MANAGER			
NAME :			
SIGNATURE :			
DATE :			
Owner's Stamp , Sig & Comments:			
.....			
.....			
.....			
NAME :			
SIGNATURE :			
DATE :			
ملاحظات الجهة المالكة :			
.....			
.....			
.....			
The Final Decision			
☒ مقرر			
☐ مقرر مع ملاحظات			
☐ مرفوض و يعاد			

			
Client Contract No. Execution No. Execution For Submitted On	Project Commissioned for Project No. Project Name Project Location	Contractor Project Title Start	Advanced Electronics Company UPC of Security Camera Surveillance in Community 12 March 2018
Spec. Ref. No. Spec. Ref. No. Spec. Ref. No. Spec. Ref. No.	Material Name (Material Name/Supplier) Material Name (Material Name/Supplier)	Specification Requirement Requirement Requirement	Proposed Material Proposed Material Proposed Material Proposed Material
Spec. Ref. No. Spec. Ref. No. Spec. Ref. No. Spec. Ref. No.	Material Name (Material Name/Supplier) Material Name (Material Name/Supplier)	Specification Requirement Requirement Requirement	Proposed Material Proposed Material Proposed Material Proposed Material

[illegible]

PRODUCT CATALOGUE 2025



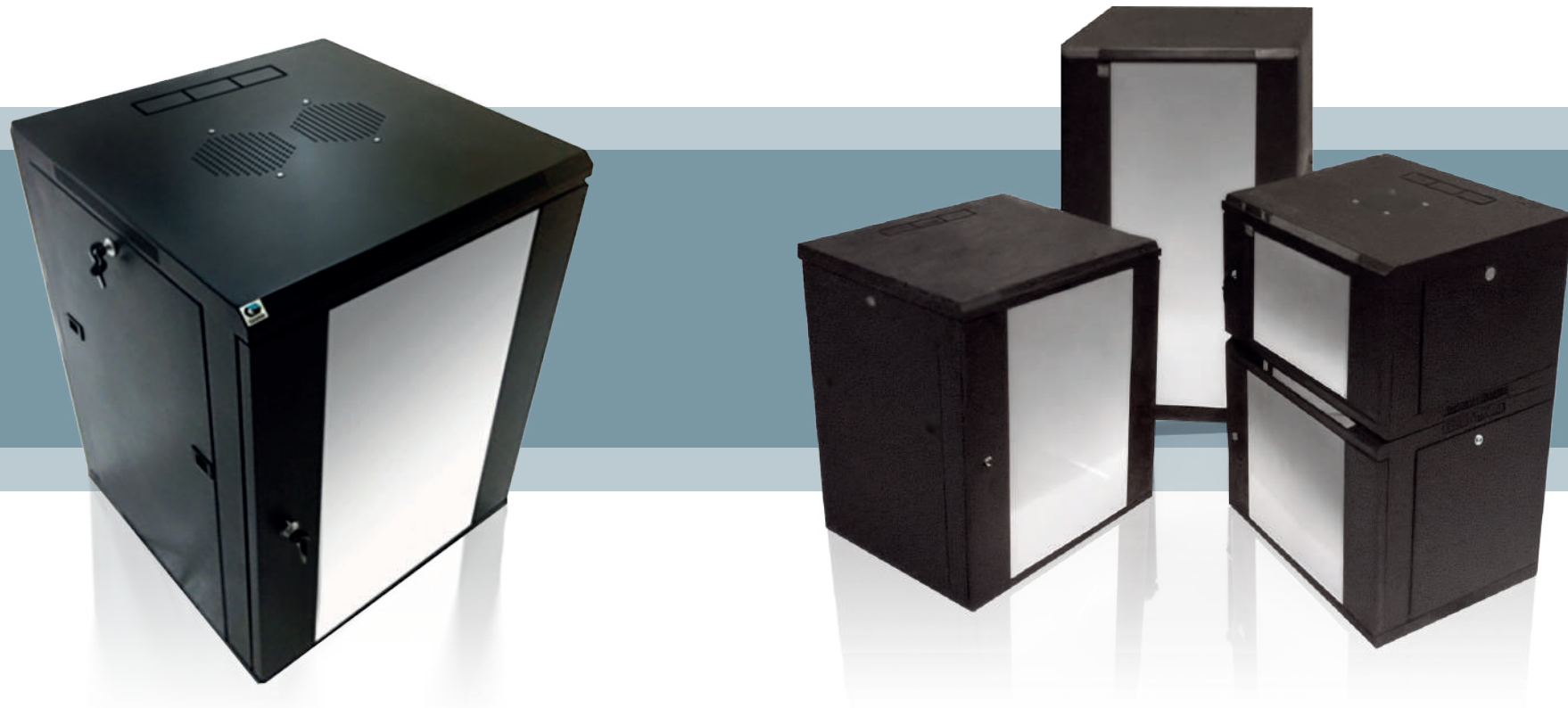
www.gamma.com.sa

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GAMMA NET WALL MOUNT RACK CABINETS



◆ GAMMA NET WALL MOUNT RACK CABINETS (600 X 450)

◆ Standard Dimensions :

Height : 6U-9U-12U-15U-18U-21U

Width : 600

Depth : 450 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP42 Protected
- MADE IN KSA



◆ GAMMA WALL MOUNTED SINGLE SECTION

► Features:

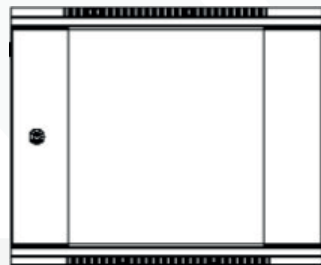
- Wall Mount Cabinet single Section .
- Made from Welded Steel .
- Front Glass door With Key Lock – (Perforated front door available on request)
- Removable Side Doors with key lock
- Cable Inlet at top and Bottom
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Fan 100 cfm/Fan
- IP 20 Rated (NEMA 12 –IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- Depth : 450 mm
- Static load 40 kg
- All Keys are alike
- **MADE IN SAUDI ARABIA**



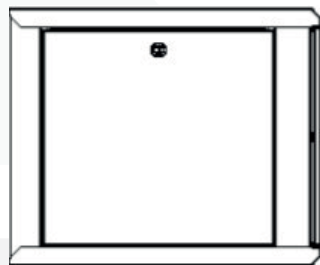
GAMMA NET WALL MOUNT RACK CABINETS (6U-9U-12U-15U-18U-21U)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-WMS-6U-645-1F	Gamma Net Wall Mount Cabinet 6U 600×450 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	450	365	350	40
GMC-WMS-9U-645-1F	Gamma Net Wall Mount Cabinet 9U 600×450 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	450	495	350	40
GMC-WMS-12U-645-1F	Gamma Net Wall Mount Cabinet 12U 600×450 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	450	630	350	40
GMC-WMS-15U-645-1F	Gamma Net Wall Mount Cabinet 15U 600×450 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	450	760	350	40
GMC-WMS-18U-645-1F	Gamma Net Wall Mount Cabinet 18U 600×450 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	450	895	350	40
GMC-WMS-21U-645-1F	Gamma Net Wall Mount Cabinet 21U 600×450 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	450	985	350	40

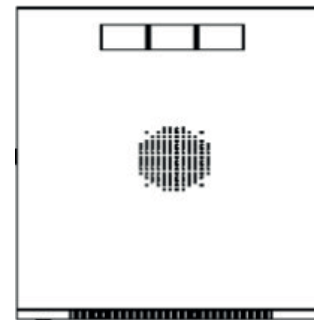
OTHER SIZES AVAILABLE ON REQUEST



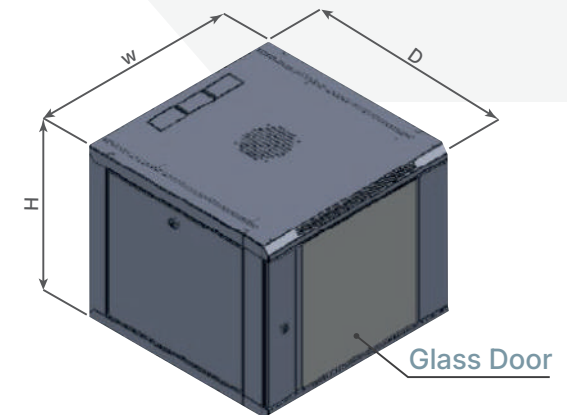
Front View



Side View



Top View



◈ GAMMA NET WALL MOUNT RACK CABINETS (600 X 600)

◈ Standard Dimensions :

Height : 6U-9U-12U-15U-18U-21U

Width : 600

Depth : 600 mm

◈ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◈ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- MADE IN KSA



◆ GAMMA WALL MOUNTED SINGLE SECTION

► Features:

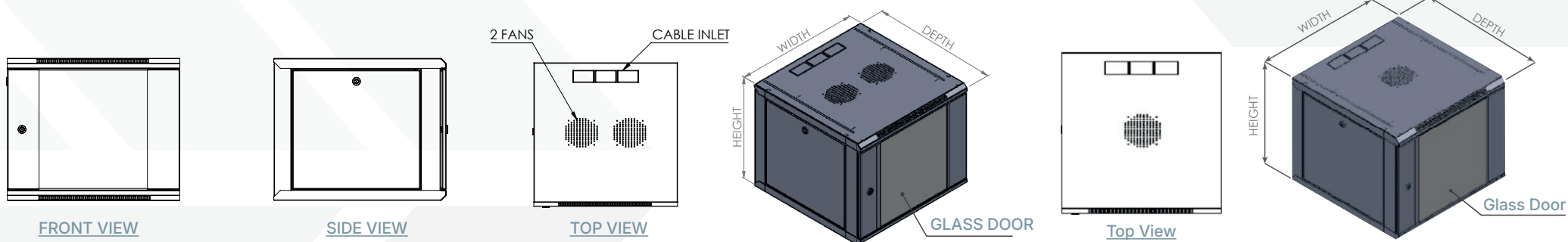
- Wall Mount Cabinet single Section .
- Made from Welded Steel .
- Front Glass door With Key Lock – (Perforated front door available on request)
- Removable Side Doors with key lock
- Cable Inlet at top and Bottom
- 2 Pair of 19" Mounting Rails depth Adjustable
- 2 Fans 100 cfm/Fan
- IP 20 Rated (NEMA 12 –IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- Depth : 600 mm
- Static load 40 kg
- All Keys are alike
- **MADE IN SAUDI ARABIA**



GAMMA NET WALL MOUNT RACK CABINETS (6U-9U-12U-15U-18U-21U)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-WMS-6U-66-1F	Gamma Net Wall Mount Cabinet 6U 600×600 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	600	365	500	40
GMC-WMS-9U-66-1F	Gamma Net Wall Mount Cabinet 9U 600×600 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	600	495	500	40
GMC-WMS-12U-66-1F	Gamma Net Wall Mount Cabinet 12U 600×600 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 1 Fan	600	600	630	500	40
GMC-WMS-15U-66-2F	Gamma Net Wall Mount Cabinet 15U 600×600 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	600	760	500	40
GMC-WMS-18U-66-2F	Gamma Net Wall Mount Cabinet 18U 600×600 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	600	895	500	40
GMC-WMS-21U-66-2F	Gamma Net Wall Mount Cabinet 21U 600×600 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	600	985	500	40

OTHER SIZES AVAILABLE ON REQUEST



◈ GAMMA NET WALL MOUNT RACK CABINETS (600 X 800)

◈ Standard Dimensions :

Height : 6U-9U-12U-15U-18U-21U

Width : 600

Depth : 800 mm

◈ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◈ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- MADE IN KSA



❖ GAMMA WALL MOUNTED SINGLE SECTION

➤ Features:

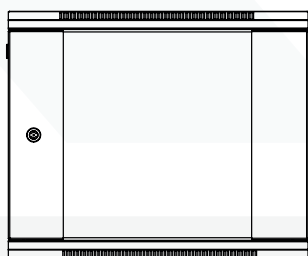
- Wall Mount Cabinet single Section .
- Made from Welded Steel .
- Front Glass door With Key Lock – (Perforated front door available on request)
- Removable Side Doors with key lock
- Cable Inlet at top and Bottom
- 2 Pair of 19" Mounting Rails depth Adjustable
- 2 Fans 100 cfm/Fan
- IP 20 Rated (NEMA 12 –IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- Depth : 800 mm
- Static load 40 kg
- All Keys are alike
- **MADE IN SAUDI ARABIA**



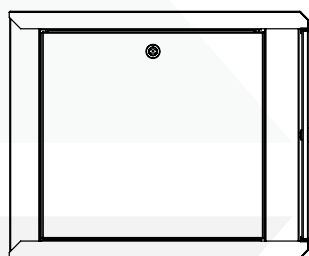
GAMMA NET WALL MOUNT RACK CABINETS (6U-9U-12U-15U-18U-21U)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-WMS-6U-68-2F	Gamma Net Wall Mount Cabinet 6U 600×800 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	800	365	700	40
GMC-WMS-9U-68-2F	Gamma Net Wall Mount Cabinet 9U 600×800 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	800	495	700	40
GMC-WMS-12U-68-2F	Gamma Net Wall Mount Cabinet 12U 600×800 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	800	630	700	40
GMC-WMS-15U-68-2F	Gamma Net Wall Mount Cabinet 15U 600×800 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	800	760	700	40
GMC-WMS-18U-68-2F	Gamma Net Wall Mount Cabinet 18U 600×800 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	800	895	700	40
GMC-WMS-21U-68-2F	Gamma Net Wall Mount Cabinet 21U 600×800 with Removable Side Door , Front Glass , 2 pair of 19" Adjustable Pillars 2 Fans	600	800	985	700	40

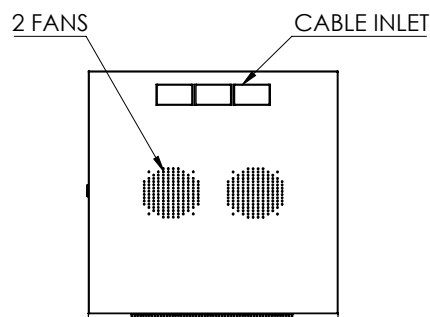
OTHER SIZES AVAILABLE ON REQUEST



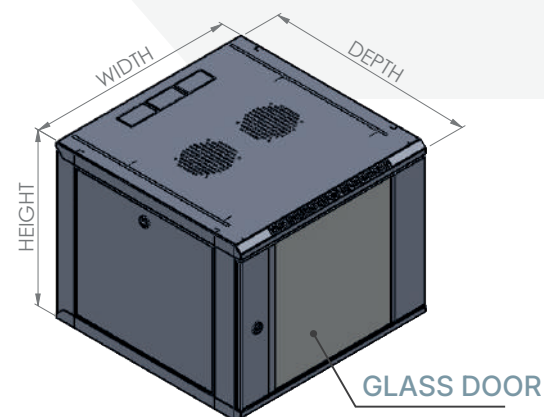
FRONT VIEW



SIDE VIEW



TOP VIEW



GAMMA NET FREE STAND RACK CABINETS



◆ GAMMA NET FREE STAND RACK CABINETS SECTION

► Features:

- Made from Steel Welded Frame .
- Front Glass Door with key lock (optional perforated front and back doors)
- Back door with Key lock and Ventilation
- Removable Side Doors,1 Key lock
- Cable Inlet from Top & Bottom
- 2 Fans 105 CFM/Fan , 220 Volts – (4 Fans for 1000/1200 mm depth)
- 2 Pair of 19" Mounting Rails depth Adjustable
- Static Load = 500 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 –IP55 available as optional on request)
- Colour BLACK RAL 9005 , or Grau 7035 , other colours available on request
- **MADE IN SAUDI ARABIA**



◆ GAMMA NET FREE STAND RACK CABINETS (600 X 600)

◆ Standard Dimensions :

Height : 18U – 21U -24U- 26U-32U

Width : 600 mm

Depth : 600 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

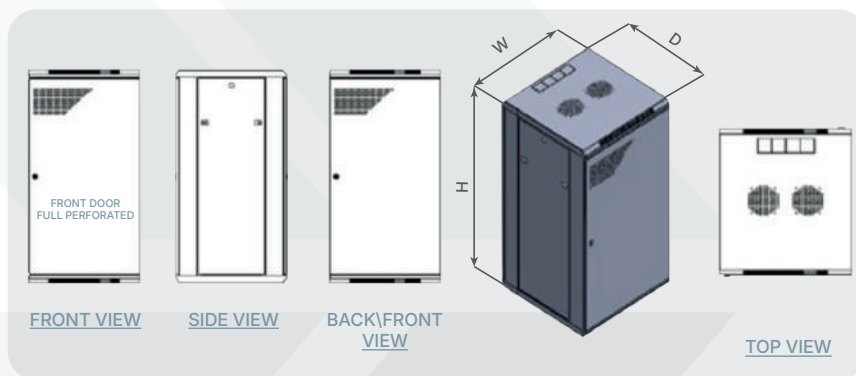
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



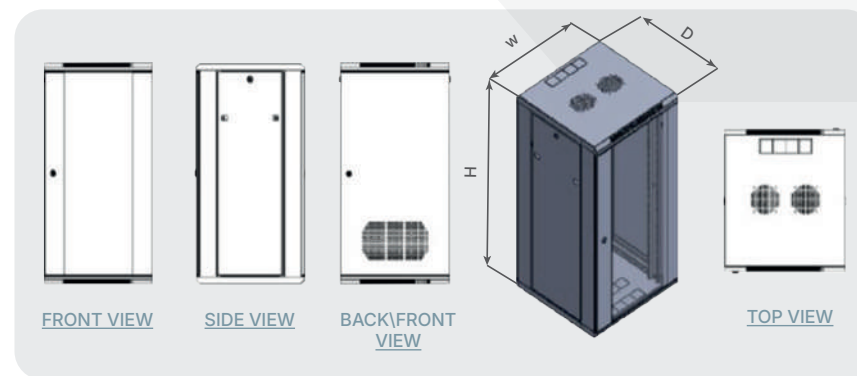
GAMMA NET FREE STAND RACK CABINETS SIZE (18U – 21U –24U- 26U-32U) (600X600)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-18U-66-2F	Gamma Net Free Stand Cabinet 18U 600×600 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	600	895	500	400
GMC-FR-21U-66-2F	Gamma Net Free Stand Cabinet 21U 600×600 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	600	985	500	400
GMC-FR-24U-66-2F	Gamma Net Free Stand Cabinet 24U 600×600 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	600	1100	500	500
GMC-FR-26U-66-2F	Gamma Net Free Stand Cabinet 26U 600×600 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	600	1200	500	500
GMC-FR-32U-66-2F	Gamma Net Free Stand Cabinet 32U 600×600 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	600	1500	500	500

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS

◆ GAMMA NET FREE STAND RACK CABINETS (600 X 800)

◆ Standard Dimensions :

Height : 18U – 21U -24U- 26U-32U

Width : 600 mm

Depth : 800 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

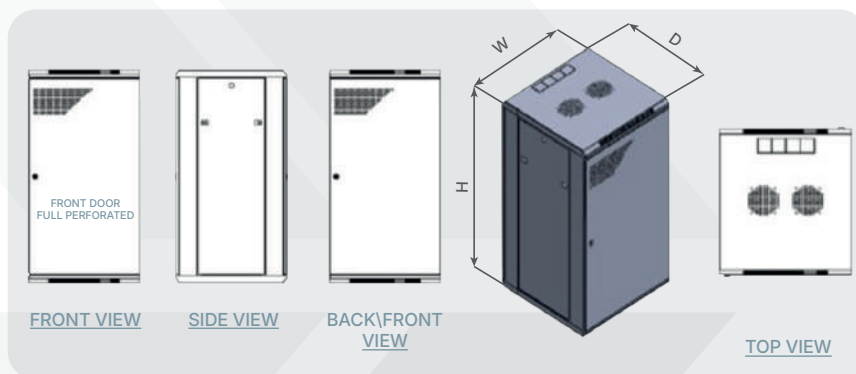
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



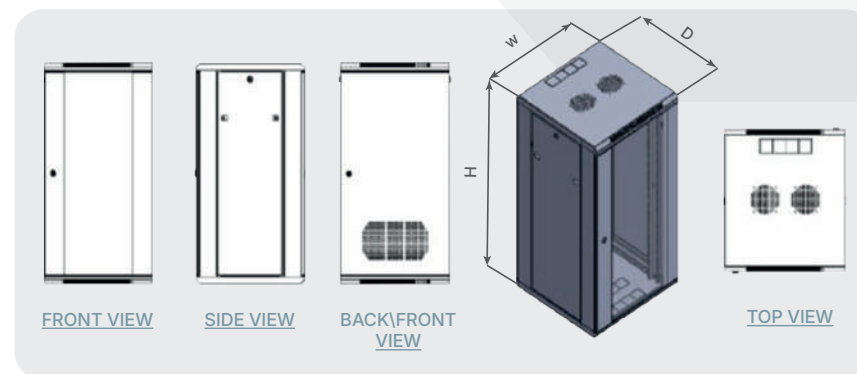
GAMMA NET FREE STAND RACK CABINETS SIZE (18U – 21U –24U- 26U-32U) (600X800)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-18U-68-2F	Gamma Net Free Stand Cabinet 18U 600×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	800	895	700	400
GMC-FR-21U-68-2F	Gamma Net Free Stand Cabinet 21U 600×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	800	985	700	400
GMC-FR-24U-68-2F	Gamma Net Free Stand Cabinet 24U 600×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	800	1100	700	500
GMC-FR-26U-68-2F	Gamma Net Free Stand Cabinet 26U 600×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	800	1200	700	500
GMC-FR-32U-68-2F	Gamma Net Free Stand Cabinet 32U 600×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	800	1500	700	500

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS

◆ GAMMA NET FREE STAND RACK CABINETS (600 X 1000)

◆ Standard Dimensions :

Height : 18U – 21U -24U- 26U-32U

Width : 600 mm

Depth : 1000 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

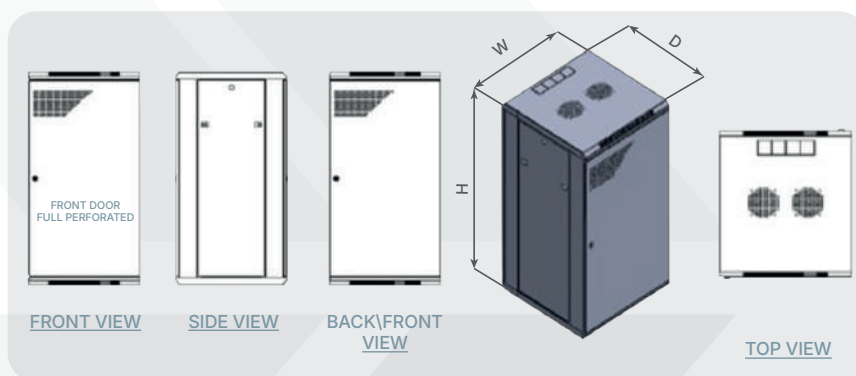
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



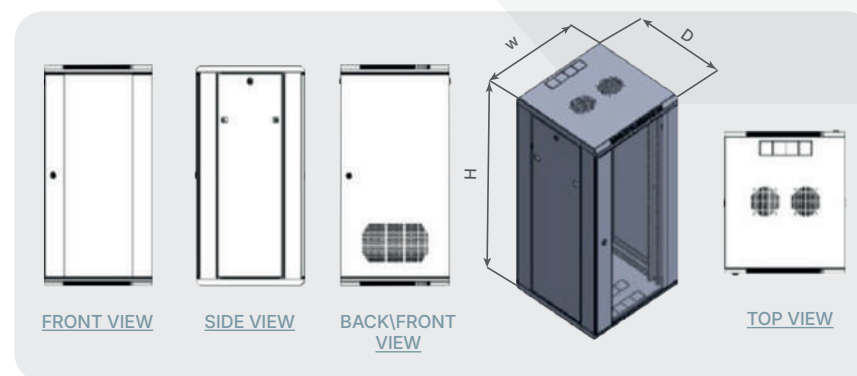
GAMMA NET FREE STAND RACK CABINETS SIZE (18U – 21U –24U- 26U-32U) (600X1000)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-18U-610-2F	Gamma Net Free Stand Cabinet 18U 600×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	1000	895	900	400
GMC-FR-21U-610-2F	Gamma Net Free Stand Cabinet 21U 600×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	1000	985	900	400
GMC-FR-24U-610-2F	Gamma Net Free Stand Cabinet 24U 600×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	1000	1100	900	500
GMC-FR-26U-610-2F	Gamma Net Free Stand Cabinet 26U 600×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	1000	1200	900	500
GMC-FR-32U-610-2F	Gamma Net Free Stand Cabinet 32U 600×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	1000	1500	900	500

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS

◆ GAMMA NET FREE STAND RACK CABINETS (600 X 1200)

◆ Standard Dimensions :

Height : 18U – 21U -24U- 26U-32U

Width : 600 mm

Depth : 1200 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

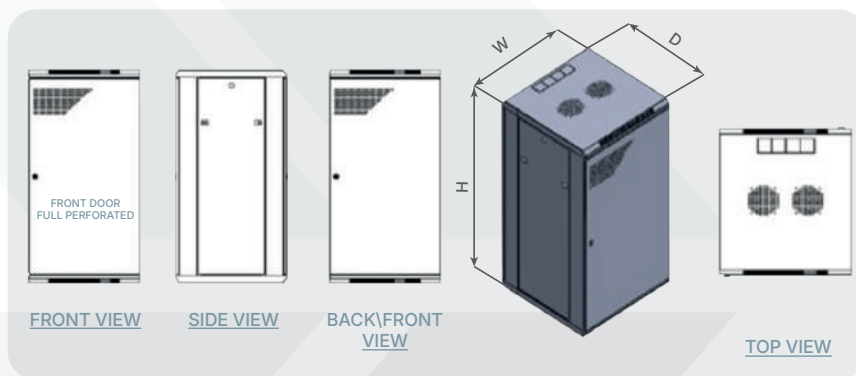
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



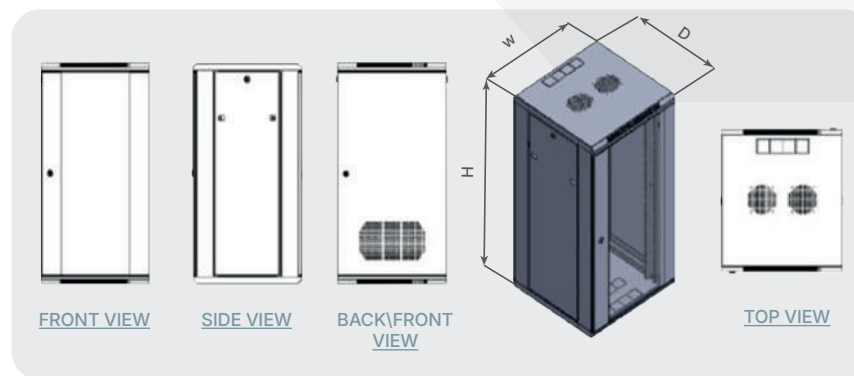
GAMMA NET FREE STAND RACK CABINETS SIZE (18U – 21U –24U- 26U-32U) (600X1200)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-18U-612-2F	Gamma Net Free Stand Cabinet 18U 600×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	1200	895	900	400
GMC-FR-21U-612-2F	Gamma Net Free Stand Cabinet 21U 600×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	1200	985	900	400
GMC-FR-24U-612-2F	Gamma Net Free Stand Cabinet 24U 600×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	600	1200	1100	900	500
GMC-FR-26U-612-2F	Gamma Net Free Stand Cabinet 26U 600×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	1200	1200	900	500
GMC-FR-32U-612-2F	Gamma Net Free Stand Cabinet 32U 600×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	600	1200	1500	900	500

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS

◆ GAMMA NET FREE STAND RACK CABINETS (800 X 800)

◆ Standard Dimensions :

Height : 18U – 21U -24U- 26U-32U

Width : 800 mm

Depth : 800 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

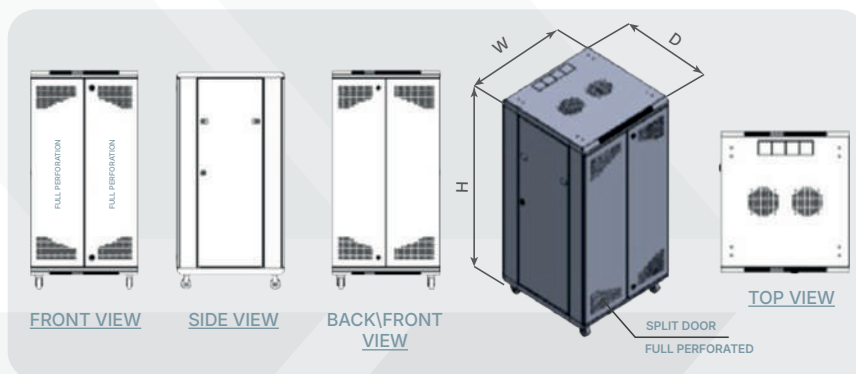
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



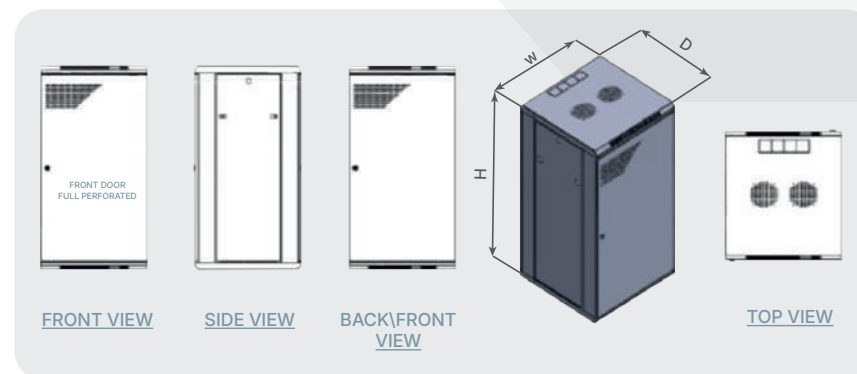
GAMMA NET FREE STAND RACK CABINETS SIZE (18U – 21U –24U- 26U-32U) (800X800)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-18U-88-2F	Gamma Net Free Stand Cabinet 18U 800×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	800	800	895	600	400
GMC-FR-21U-88-2F	Gamma Net Free Stand Cabinet 21U 800×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	800	985	600	400
GMC-FR-24U-88-2F	Gamma Net Free Stand Cabinet 24U 800×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	800	800	1100	600	500
GMC-FR-26U-88-2F	Gamma Net Free Stand Cabinet 26U 800×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	800	1200	600	500
GMC-FR-32U-88-2F	Gamma Net Free Stand Cabinet 32U 800×800 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	800	1500	600	500

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS

◆ GAMMA NET FREE STAND RACK CABINETS (800 X 1000)

◆ Standard Dimensions :

Height : 18U – 21U -24U- 26U-32U

Width : 800 mm

Depth : 1000 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

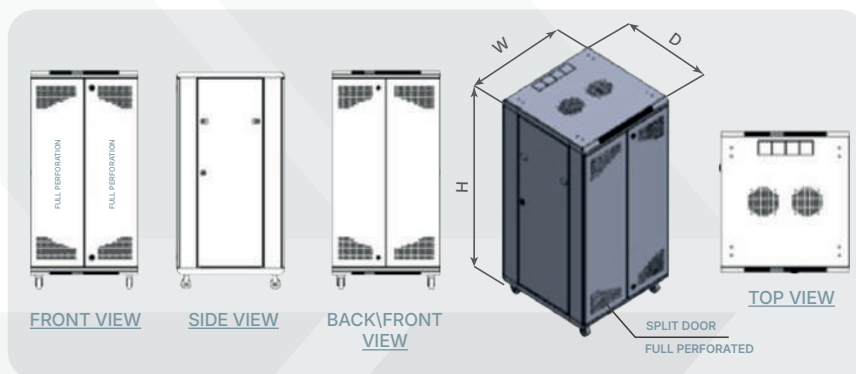
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



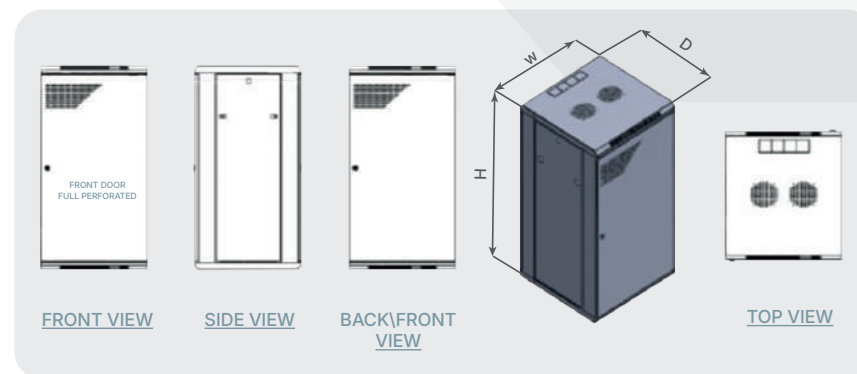
GAMMA NET FREE STAND RACK CABINETS SIZE (18U – 21U –24U- 26U-32U) (800X1000)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-18U-810-2F	Gamma Net Free Stand Cabinet 18U 800×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	800	1000	895	800	400
GMC-FR-21U-810-2F	Gamma Net Free Stand Cabinet 21U 800×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	1000	985	800	400
GMC-FR-24U-810-2F	Gamma Net Free Stand Cabinet 24U 800×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	800	1000	1100	800	500
GMC-FR-26U-810-2F	Gamma Net Free Stand Cabinet 26U 800×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	1000	1200	800	500
GMC-FR-32U-810-2F	Gamma Net Free Stand Cabinet 32U 800×1000 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	1000	1500	800	500

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS

GAMMA NET FREE STAND RACK CABINETS (800 X 1200)

◆ Standard Dimensions :

Height : 18U – 21U -24U- 26U-32U

Width : 800 mm

Depth : 1200 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

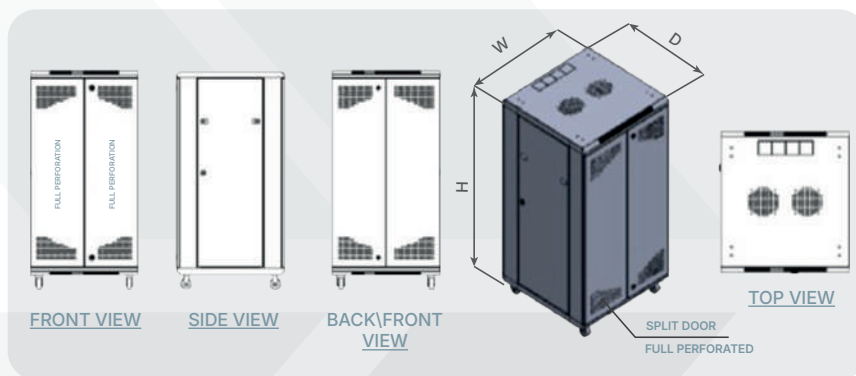
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



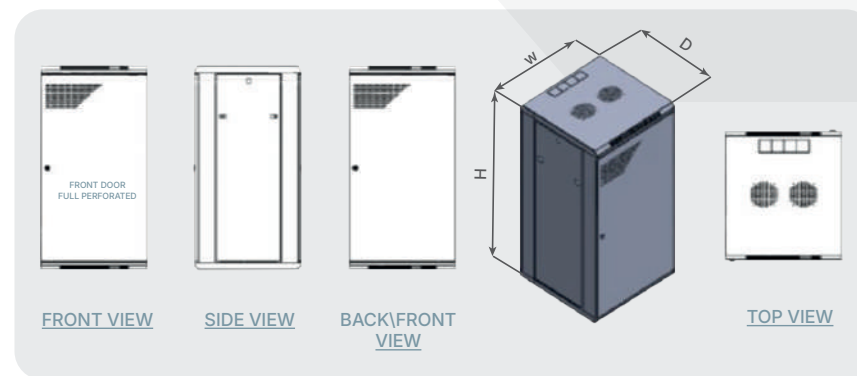
GAMMA NET FREE STAND RACK CABINETS SIZE (18U – 21U –24U- 26U-32U) (800X1200)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-18U-812-2F	Gamma Net Free Stand Cabinet 18U 800×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	800	1200	895	1000	400
GMC-FR-21U-812-2F	Gamma Net Free Stand Cabinet 21U 800×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	1200	985	1000	400
GMC-FR-24U-812-2F	Gamma Net Free Stand Cabinet 24U 800×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 2 Fan	800	1200	1100	1000	500
GMC-FR-26U-812-2F	Gamma Net Free Stand Cabinet 26U 800×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	1200	1200	1000	500
GMC-FR-32U-812-2F	Gamma Net Free Stand Cabinet 32U 800×1200 with Removable Side Door , Front Door Glass , Metal Back door , 2 pair of 19" Adjustable Mounting Pillars , 2 pair of caster Wheels , 2 Fan	800	1200	1500	1000	500

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFPRATED DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS

GAMMA NET FREE STAND RACK CABINETS (36U-42U-45U-47U) 600 X 600

◆ Standard Dimensions :

U-Height : 36U-42U-45U-47U

Width : 600 mm

Depth : 600 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS SECTION

► Features:

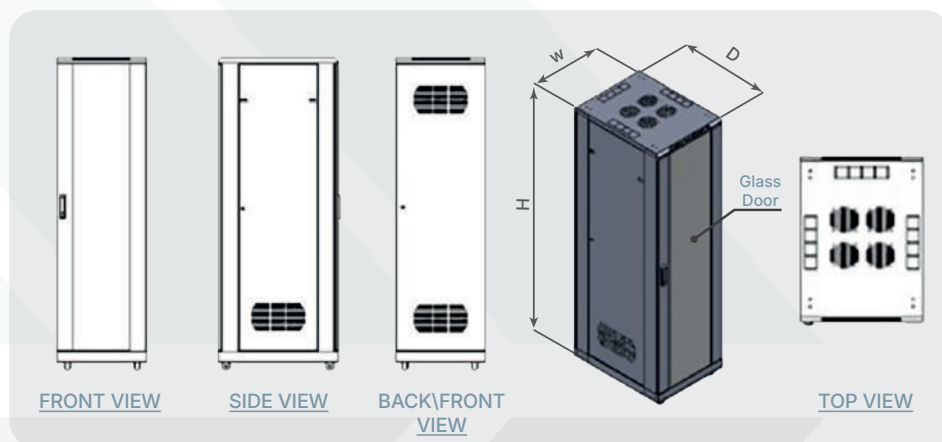
- GAMMA Data Cabinets 600 X 600
- Made from Steel Welded Frame .
- Front Glass Door with swing Handle Lock and side perforation
- Double door front and back full perforated with Handle lock (optional)
- Back door with Key lock and Ventilation
- Removable Side Doors, 1 Key lock and 2 Plastic Latched each side
- Cable Inlet from Top & Bottom
- Vertical Cable Management with Cover (2 pcs at front side)
- 4 Fans, 100 CFM/Fan , 220 Volts
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 -IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



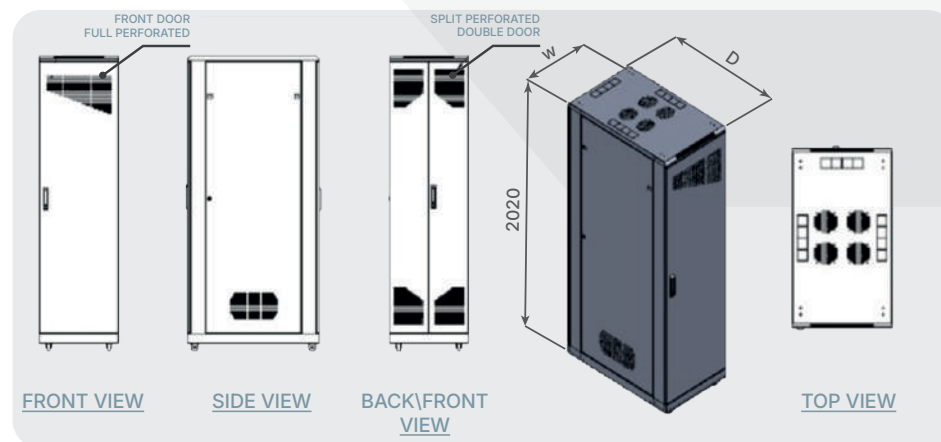
GAMMA NET FREE STAND RACK CABINETS SIZE 36 U – 47U (600X600)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-36U-66-4F	Gamma Net Free Stand Cabinet 36U 600×600 with Removable Side Door, Front Glass , Metal Back door ,2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	600	1720	500	600
GMC-FR-42U-66-4F	Gamma Net Free Stand Cabinet 42U 600×600 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	600	2020	500	800
GMC-FR-45U-66-4F	Gamma Net Free Stand Cabinet 45U 600×600 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	600	2160	500	800
GMC-FR-47U-66-4F	Gamma Net Free Stand Cabinet 47U 600×600 with Removable Side Door , Front Glass , Metal Back door , 4 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	600	2250	700	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS

GAMMA NET FREE STAND RACK CABINETS (36U-42U-45U-47U) 600 X 800

◆ Standard Dimensions :

U-Height : 36U-42U-45-47U

Width : 600 mm

Depth : 800 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS SECTION

► Features:

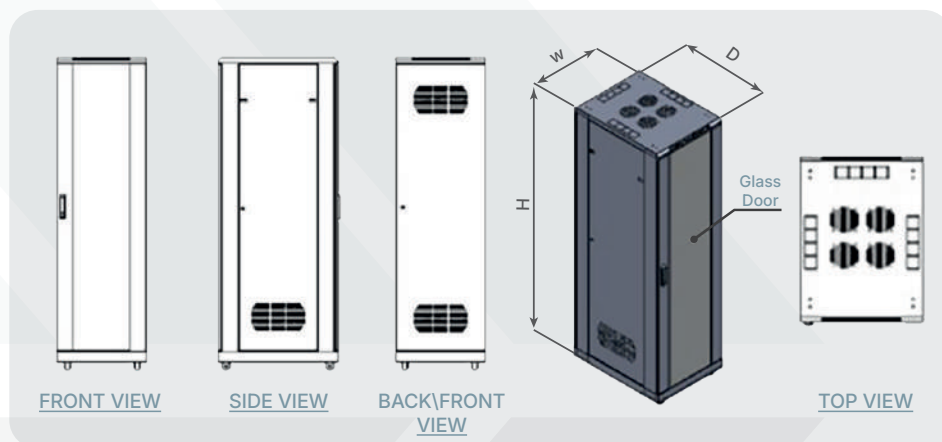
- GAMMA NET Data Cabinets 600 X 800
- Made from Steel Welded Frame .
- Front Glass Door with swing Handle Lock and side perforation
- Double door front and back full perforated with Handle lock (optional)
- Back door with Key lock and Ventilation
- Removable Side Doors, 1 Key lock and 2 Plastic Latched each side
- Cable Inlet from Top & Bottom
- Vertical Cable Management with Cover (2 pcs at front side)
- 4 Fans, 100 CFM/Fan , 220 Volts
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 -IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



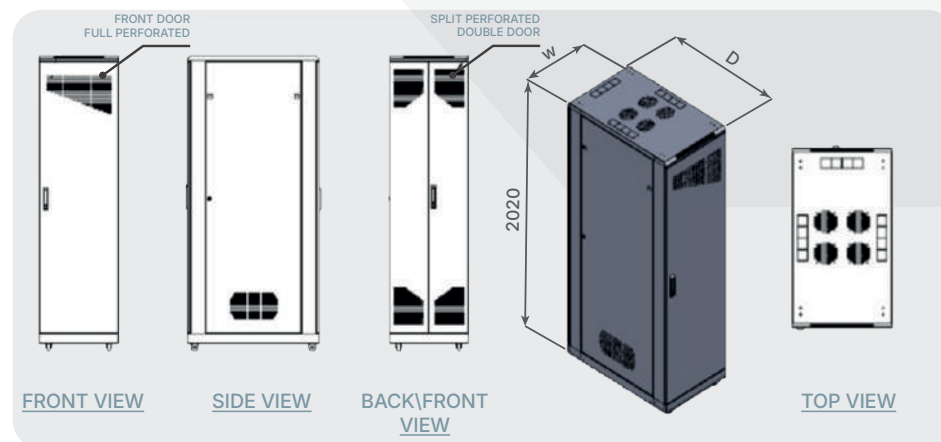
GAMMA NET FREE STAND RACK CABINETS SIZE 36U – 47U (600X800)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-36U-68-4F	Gamma Net Free Stand Cabinet 36U 600×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	800	1720	700	600
GMC-FR-42U-68-4F	Gamma Net Free Stand Cabinet 42U 600×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	800	2020	700	800
GMC-FR-45U-68-4F	Gamma Net Free Stand Cabinet 45U 600×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	800	2160	700	800
GMC-FR-47U-68-4F	Gamma Net Free Stand Cabinet 47U 600×800 with Removable Side Door , Front Glass , Metal Back door , 4 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	800	2250	700	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS

◆ GAMMA NET FREE STAND RACK CABINETS (36U-42U-45U-47U) 600 X 1000

◆ Standard Dimensions :

U-Height : 36U-42U-45U-47U

Width : 600 mm

Depth : 1000 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS SECTION

► Features:

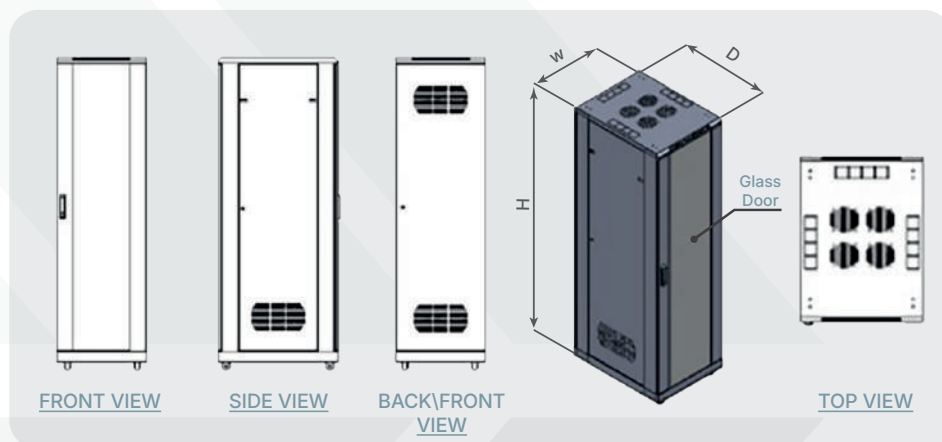
- GAMMA NET Data Cabinets 600 X 1000
- Made from Steel Welded Frame.
- Front Glass Door with swing Handle Lock and side perforation
- Double door front and back full perforated with Handle lock (optional)
- Back door with Key lock and Ventilation
- Removable Side Doors, 1 Key lock and 2 Plastic Latched each side
- Cable Inlet from Top & Bottom
- Vertical Cable Management with Cover (2 pcs at front side)
- 4 Fans, 100 CFM/Fan , 220 Volts
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 -IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



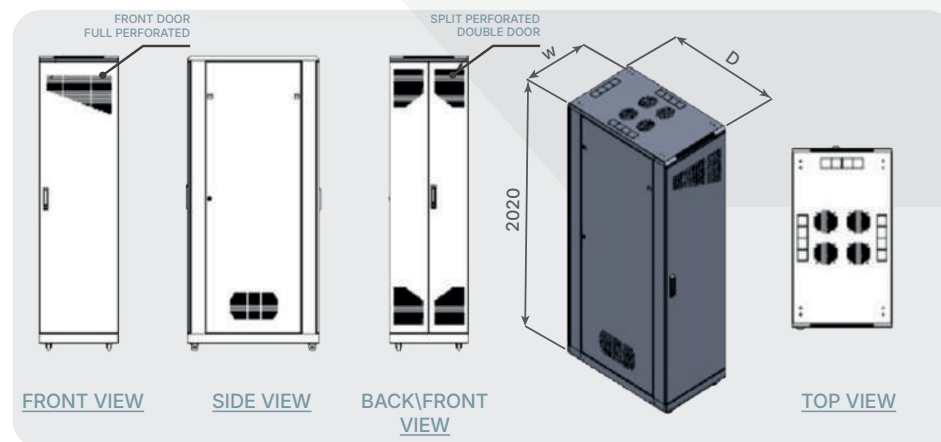
GAMMA NET FREE STAND RACK CABINETS SIZE 36U – 47U (600X1000)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-36U-610-4F	Gamma Net Free Stand Cabinet 36U 600×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1000	1720	900	600
GMC-FR-42U-610-4F	Gamma Net Free Stand Cabinet 42U 600×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1000	2020	900	800
GMC-FR-45U-610-4F	Gamma Net Free Stand Cabinet 45U 600×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1000	2160	900	800
GMC-FR-47U-610-4F	Gamma Net Free Stand Cabinet 47U 600×1000 with Removable Side Door , Front Glass , Metal Back door , 4 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1000	2250	900	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS

GAMMA NET FREE STAND RACK CABINETS (36U-42U-45U-47U) 600 X 1200

◆ Standard Dimensions :

U-Height : 36U-42U-45U-47U

Width : 600 mm

Depth : 1200 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS SECTION

► Features:

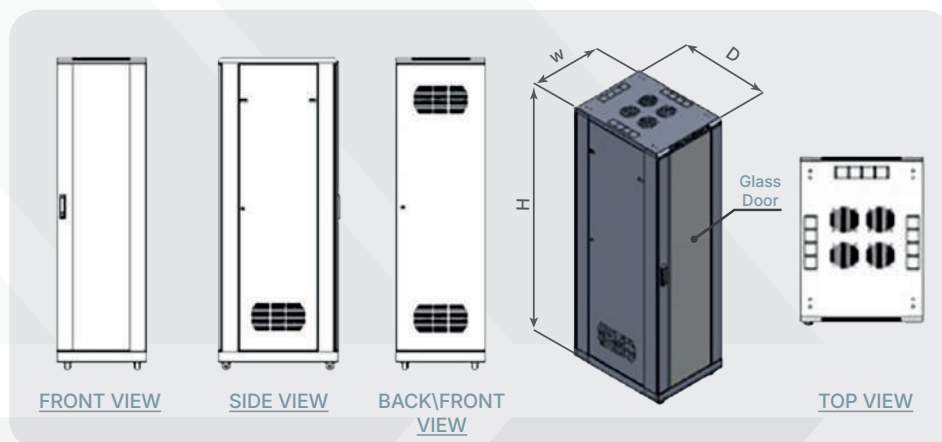
- GAMMA NET Data Cabinets 600 X 1200
- Made from Steel Welded Frame.
- Front Glass Door with swing Handle Lock and side perforation
- Double door front and back full perforated with Handle lock (optional)
- Back door with Key lock and Ventilation
- Removable Side Doors, 1 Key lock and 2 Plastic Latched each side
- Cable Inlet from Top & Bottom
- Vertical Cable Management with Cover (2 pcs at front side)
- 4 Fans, 100 CFM/Fan , 220 Volts
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 -IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



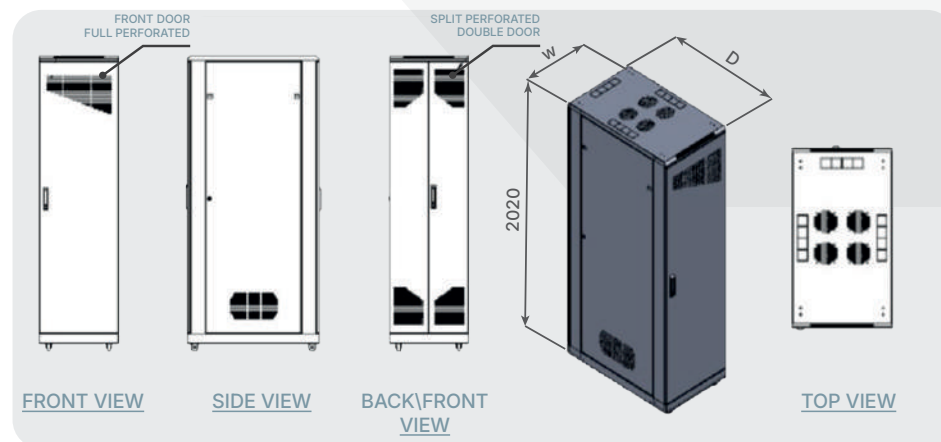
GAMMA NET FREE STAND RACK CABINETS SIZE 36U – 47U (600X1200)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-36U-612-4F	Gamma Net Free Stand Cabinet 36U 600×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1200	1720	1100	600
GMC-FR-42U-612-4F	Gamma Net Free Stand Cabinet 42U 600×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1200	2020	1100	800
GMC-FR-45U-612-4F	Gamma Net Free Stand Cabinet 45U 600×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1200	2160	1100	800
GMC-FR-47U-612-4F	Gamma Net Free Stand Cabinet 47U 600×1200 with Removable Side Door , Front Glass , Metal Back door , 4 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1200	2250	1100	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS

GAMMA NET FREE STAND RACK CABINETS (36U-42U-45U-47U) 800 X 800

◆ Standard Dimensions :

U-Height : 36U-42U-45U-47U

Width : 800 mm

Depth : 800 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS SECTION

► Features:

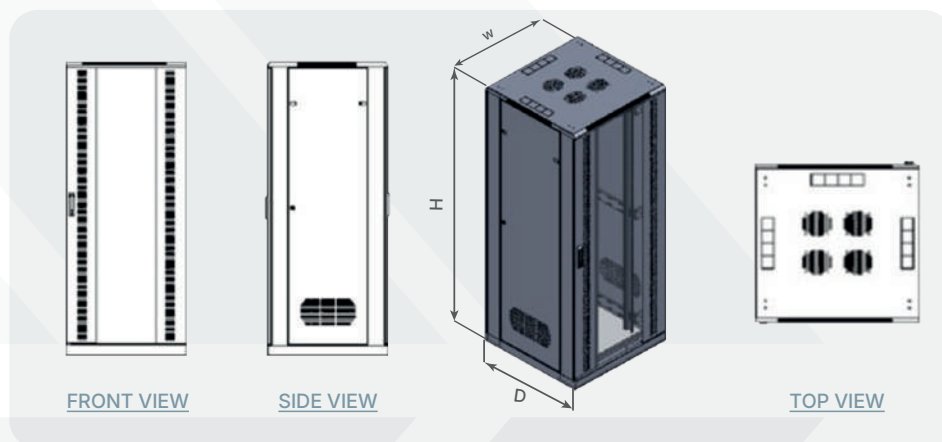
- GAMMA Data Cabinets 800 X 800
- Made from Steel Welded Frame.
- Front Glass Door with swing Handle Lock and side perforation
- Double door front and back full perforated with Handle lock (optional)
- Back door with Key lock and Ventilation
- Removable Side Doors, 1 Key lock and 2 Plastic Latched each side
- Cable Inlet from Top & Bottom
- Vertical Cable Management with Cover (2 pcs at front side)
- 4 Fans, 100 CFM/Fan , 220 Volts
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 -IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



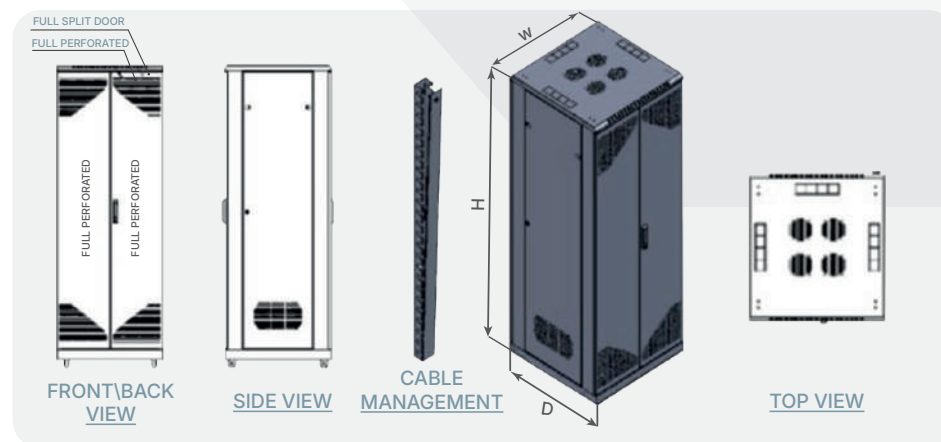
GAMMA NET FREE STAND RACK CABINETS SIZE 36U – 47U (800X800)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-36U-88-4F	Gamma Net Free Stand Cabinet 36U 800×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	800	1720	600	600
GMC-FR-42U-88-4F	Gamma Net Free Stand Cabinet 42U 800×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	800	2020	600	800
GMC-FR-45U-88-4F	Gamma Net Free Stand Cabinet 45U 800×800 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	800	2160	600	800
GMC-FR-47U-88-4F	Gamma Net Free Stand Cabinet 47U 800×800 with Removable Side Door , Front Glass , Metal Back door , 4 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	800	2250	600	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS

GAMMA NET FREE STAND RACK CABINETS (36U-42U-45U-47U) 800 X 1000

◆ Standard Dimensions :

U-Height : 36U-42U-45U-47U

Width : 800 mm

Depth : 1000 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



❖ GAMMA NET FREE STAND CABINETS SECTION

➤ Features:

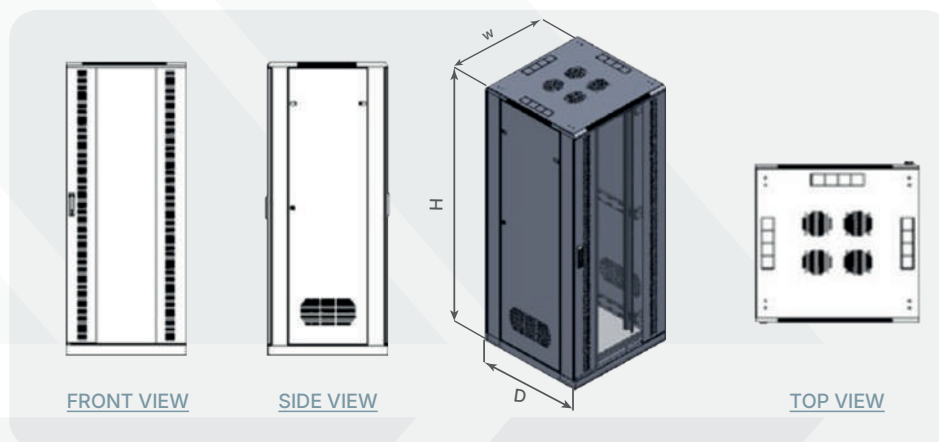
- GAMMA Data Cabinets 800 X 1000
- Made from Steel Welded Frame .
- Front Glass Door with swing Handle Lock and side perforation
- Double door front and back full perforated with Handle lock (optional)
- Back door with Key lock and Ventilation
- Removable Side Doors,1 Key lock and 2 Plastic Latched each side
- Cable Inlet from Top & Bottom
- Vertical Cable Management with Cover (2 pcs at front side)
- 4 Fans, 100 CFM/Fan , 220 Volts
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 -IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



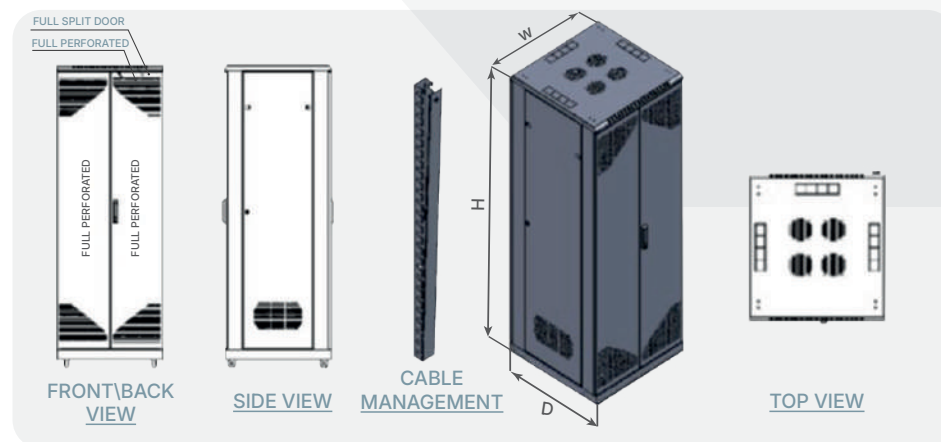
GAMMA NET FREE STAND RACK CABINETS SIZE 36U – 47U (800X1000)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-36U-810-4F	Gamma Net Free Stand Cabinet 36U 800×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1000	1720	800	600
GMC-FR-42U-810-4F	Gamma Net Free Stand Cabinet 42U 800×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1000	2020	800	800
GMC-FR-45U-810-4F	Gamma Net Free Stand Cabinet 45U 800×1000 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1000	2160	800	800
GMC-FR-47U-810-4F	Gamma Net Free Stand Cabinet 47U 800×1000 with Removable Side Door , Front Glass , Metal Back door , 4 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1000	2250	800	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS

GAMMA NET FREE STAND RACK CABINETS (36U-42U-45U-47U) 800 X 1200

◆ Standard Dimensions :

U-Height : 36U-42U-45U-47U

Width : 800 mm

Depth : 1200 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS SECTION

► Features:

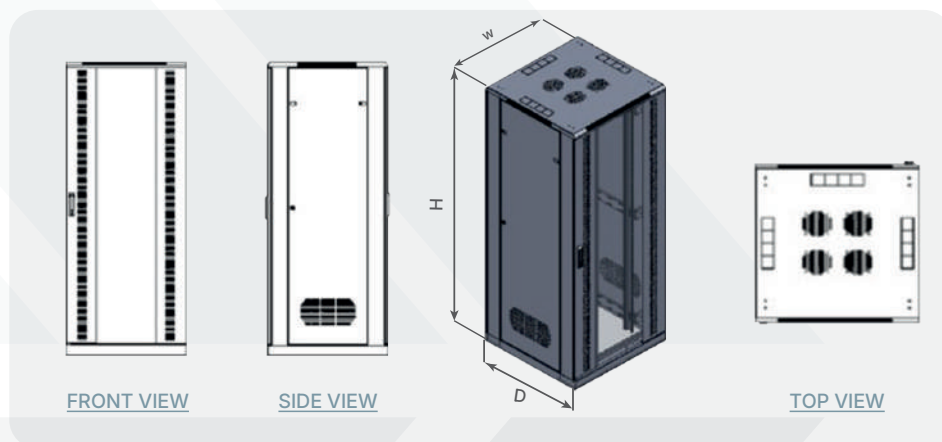
- GAMMA Data Cabinets 800 X 1200
- Made from Steel Welded Frame .
- Front Glass Door with swing Handle Lock and side perforation
- Double door front and back full perforated with Handle lock (optional)
- Back door with Key lock and Ventilation
- Removable Side Doors,1 Key lock and 2 Plastic Latched each side
- Cable Inlet from Top & Bottom
- Vertical Cable Management with Cover (2 pcs at front side)
- 4 Fans, 100 CFM/Fan , 220 Volts
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 20 Rated (NEMA 12 -IP55 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



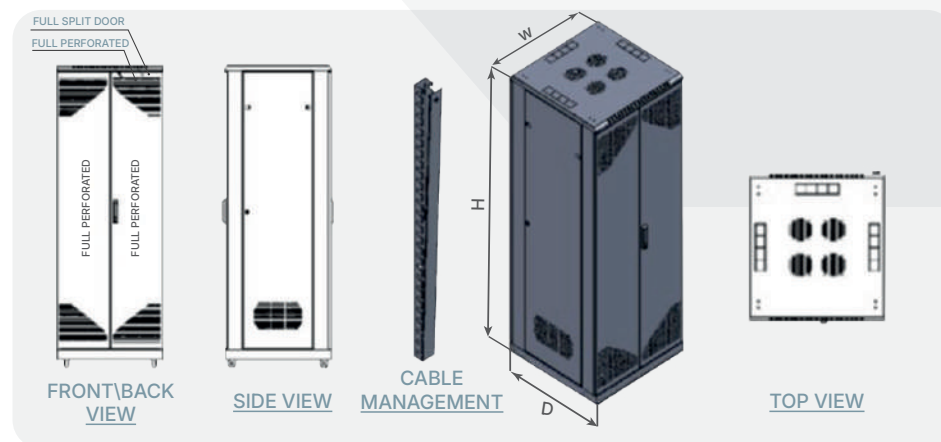
GAMMA NET FREE STAND RACK CABINETS SIZE 36U – 47U (800X1200)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-36U-812-4F	Gamma Net Free Stand Cabinet 36U 800×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1200	1720	1000	600
GMC-FR-42U-812-4F	Gamma Net Free Stand Cabinet 42U 800×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1200	2020	1000	800
GMC-FR-45U-812-4F	Gamma Net Free Stand Cabinet 45U 800×1200 with Removable Side Door , Front Glass , Metal Back door , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1200	2160	1000	800
GMC-FR-47U-812-4F	Gamma Net Free Stand Cabinet 47U 800×1200 with Removable Side Door , Front Glass , Metal Back door , 4 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1200	2250	1000	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
GLASS DOORS



GAMMA NET FREE STAND RACK CABINETS DRAWING – 600 W
PERFORATED DOORS

GAMMA DC FLEX DATA CENTER CABINETS



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 600 X 1000

◆ Standard Dimensions :

U-Height : 42U-45-47U

Width : 600 mm

Depth : 1000 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray

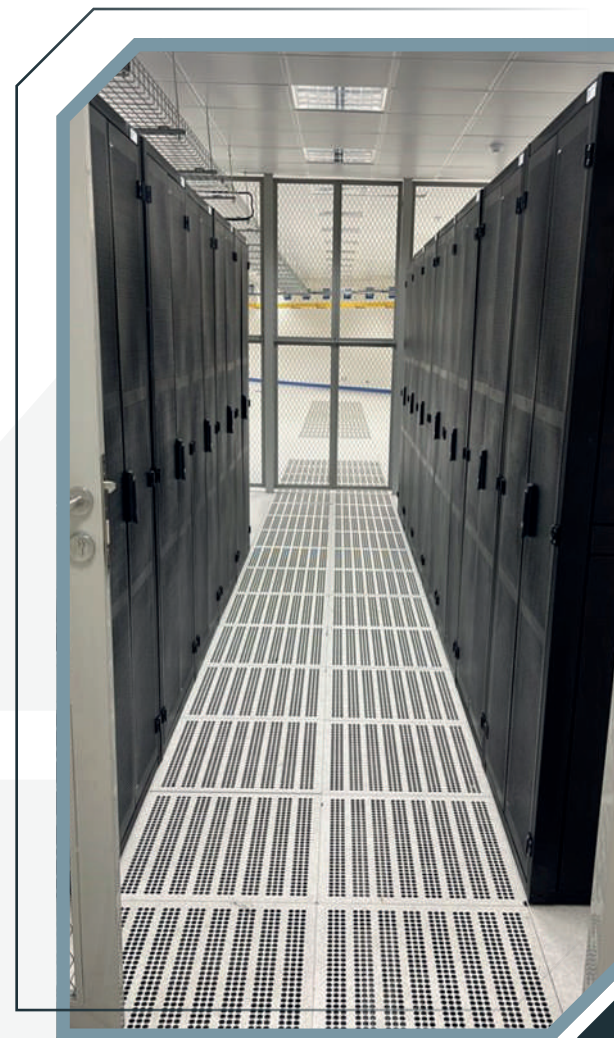


Other colours available
on request



◆ Complying with International Standards:

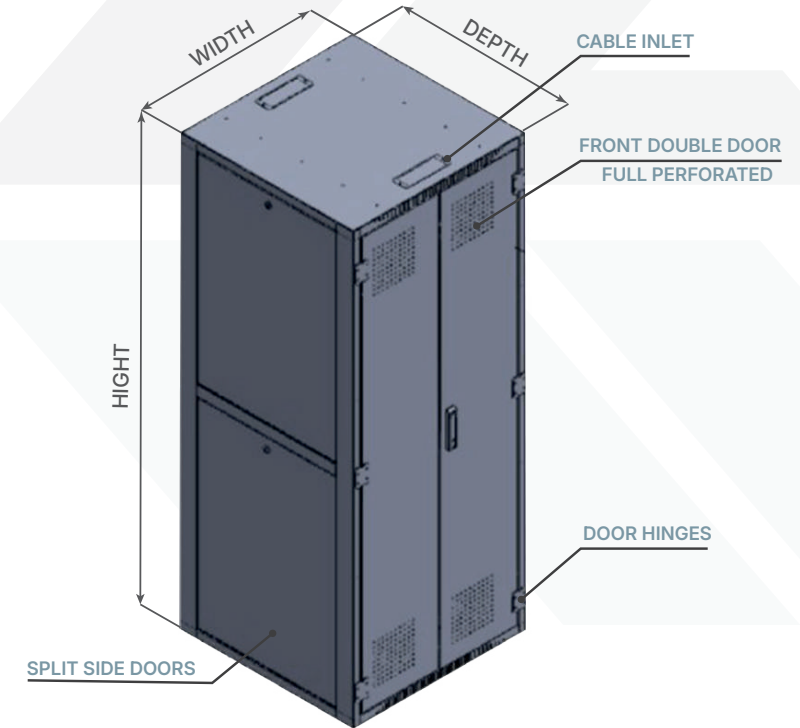
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA DC FLEX DATA CENTER CABINETS SECTION

► Features:

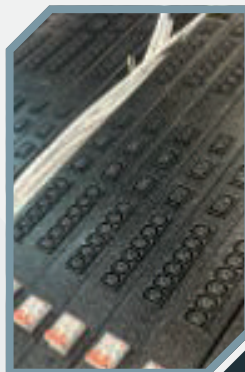
- GAMMA DC Flex Data Center Cabinets Height : 42U /45U /47U
- Size (W X D) : 600 X 1000
- Made from Heavy Duty Steel Welded structure .
- Double door front and back full perforated
- Handle lock 3-point lock – (Optional Security lock with access card)
- Solid Split Side Doors, 1 Key lock , with solid hinges
- Solid Top with Cable Inlet from Top front /back and side
- 2 Pair of 19" Mounting Rails depth Adjustable
- Static Load = 1100 kg
- 2 Pair of Transportation Caster Wheel and HD levelling feet
- Variety of options available on Request (please see optional Page)
- (Optional) Vertical Cable Management with Cover (2 pcs at front side)
- (Optional) 4 Fans, 105 CFM/Fan , 220 Volts
- (Optional) Brush for Cable Inlet
- (Optional) Security Access lock with card and key lock
- IP 20 Rated
- All Keys are alike
- Colour BLACK RAL 9005 , or Gray 7035 , other colours available on request
- Part # GMC-DC-FLEX-XXU-610 (XX = U Height)
- **MADE IN SAUDI ARABIA**



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 600 X 1000

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-DC-FLEX-42U-610	Gamma DC Flex Data Center Cabinets 42U 600×1000 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	600	1000	2020	900	1100
GMC-DC-FLEX-45U-610	Gamma DC Flex Data Center Cabinets 45U 600×1000 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	600	1000	2160	900	1100
GMC-DC-FLEX-47U-610	Gamma DC Flex Data Center Cabinets 47U 600×1000 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	600	1000	2250	900	1100

OTHER SIZES AVAILABLE ON REQUEST



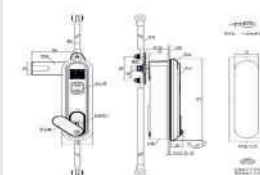
GAMMA VERTICAL PDU Models :

1. Basic PDU with Braker
2. Meter PDU with braker For Voltage and Amps and Watt
20 X C13 + 4 X C19 , 16 or 32 Amps (4 / 8 / 16 KW -220-250 V)
Power cord 1.8 m (3m option) Industrial Plug

ELECTRONIC LOCK WITH IC CARD (OPTIONAL)

Operation Instructions

1. After the controller powers on the electronic lock control wire, use the IC card to swipe the card in the designated swiping area. After the IC card matches the electronic lock, the green light flashes, and then press the circle position under the handle to turn on the electronic lock (if you don't press, The green light keeps flashing and waits for n seconds before the system automatically shuts down).
2. Rotate the handle to drive the steel bolt, connecting rod and other locking mechanisms to complete the opening action.
3. For key opening, first use the tool key to open the dust cover, then insert the key, and turn it clockwise to open the handle



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 600 X 1200

◆ Standard Dimensions :

U-Height : 42U-45-47U

Width : 600 mm

Depth : 1200 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray

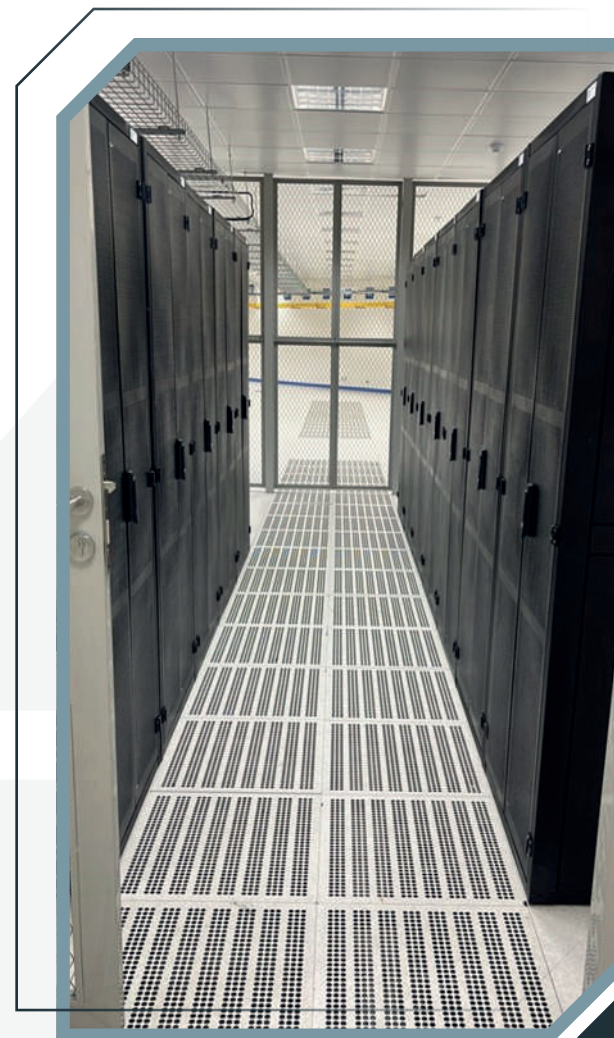


Other colours available
on request



◆ Complying with International Standards:

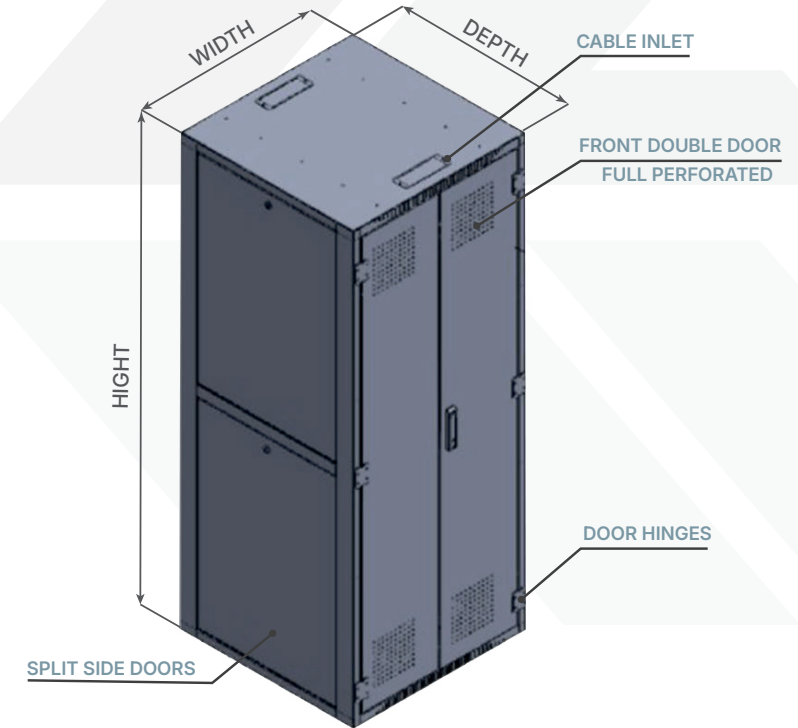
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



GAMMA DC FLEX DATA CENTER CABINETS SECTION

► Features:

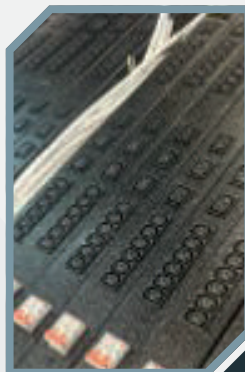
- GAMMA DC Flex Data Center Cabinets Height : 42U /45U /47U
- Size (W X D) : 600 X 1200
- Made from Heavy Duty Steel Welded structure .
- Double door front and back full perforated
- Handle lock 3-point lock – (Optional Security lock with access card)
- Solid Split Side Doors, 1 Key lock , with solid hinges
- Solid Top with Cable Inlet from Top front /back and side
- 2 Pair of 19" Mounting Rails depth Adjustable
- Static Load = 1100 kg
- 2 Pair of Transportation Caster Wheel and HD levelling feet
- Variety of options available on Request (please see optional Page)
- (Optional) Vertical Cable Management with Cover (2 pcs at front side)
- (Optional) 4 Fans, 105 CFM/Fan , 220 Volts
- (Optional) Brush for Cable Inlet
- (Optional) Security Access lock with card and key lock
- IP 20 Rated
- All Keys are alike
- Colour BLACK RAL 9005 , or Gray 7035 , other colours available on request
- Part # GMC-DC-FLEX-XXU-610 (XX = U Height)
- **MADE IN SAUDI ARABIA**



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 600 X 1000

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-DC-FLEX-42U-612	Gamma DC Flex Data Center Cabinets 42U 600×1200 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	600	1200	2020	1100	1100
GMC-DC-FLEX-45U-612	Gamma DC Flex Data Center Cabinets 45U 600×1200 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	600	1200	2160	1100	1100
GMC-DC-FLEX-47U-612	Gamma DC Flex Data Center Cabinets 47U 600×1200 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	600	1200	2250	1100	1100

OTHER SIZES AVAILABLE ON REQUEST



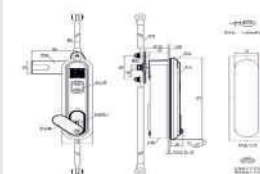
GAMMA VERTICAL PDU Models :

1. Basic PDU with Braker
2. Meter PDU with braker For Voltage and Amps and Watt
20 X C13 + 4 X C19 , 16 or 32 Amps (4 / 8 / 16 KW -220-250 V)
Power cord 1.8 m (3m option) Industrial Plug

ELECTRONIC LOCK WITH IC CARD (OPTIONAL)

Operation Instructions

1. After the controller powers on the electronic lock control wire, use the IC card to swipe the card in the designated swiping area. After the IC card matches the electronic lock, the green light flashes, and then press the circle position under the handle to turn on the electronic lock (if you don't press, The green light keeps flashing and waits for n seconds before the system automatically shuts down).
2. Rotate the handle to drive the steel bolt, connecting rod and other locking mechanisms to complete the opening action.
3. For key opening, first use the tool key to open the dust cover, then insert the key, and turn it clockwise to open the handle



◆ GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 800 X 800

◆ Standard Dimensions :

U-Height : 42U-45-47U

Width : 800 mm

Depth : 800 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray

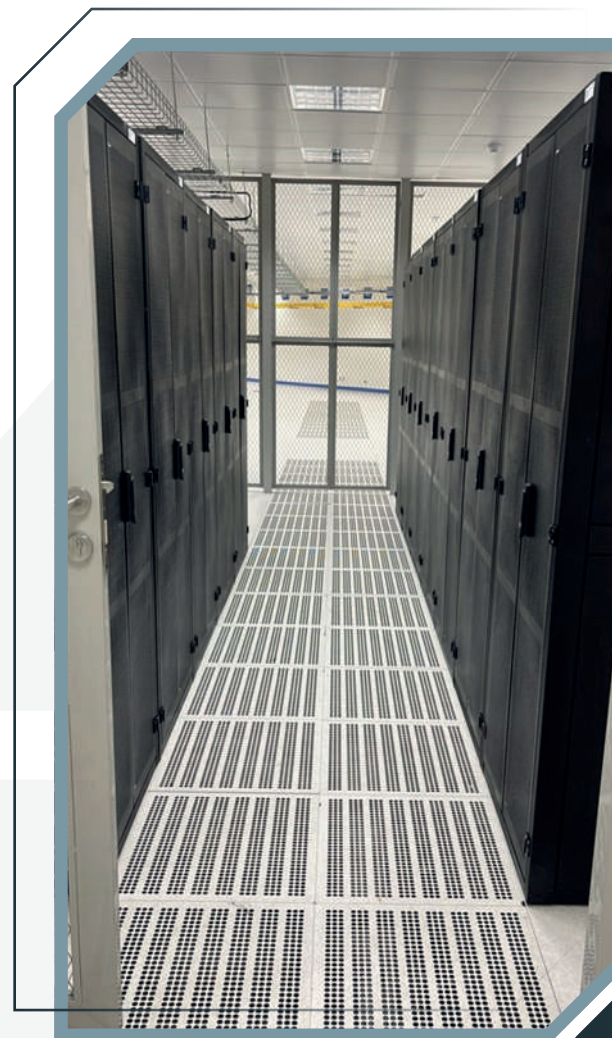


Other colours available
on request



◆ Complying with International Standards:

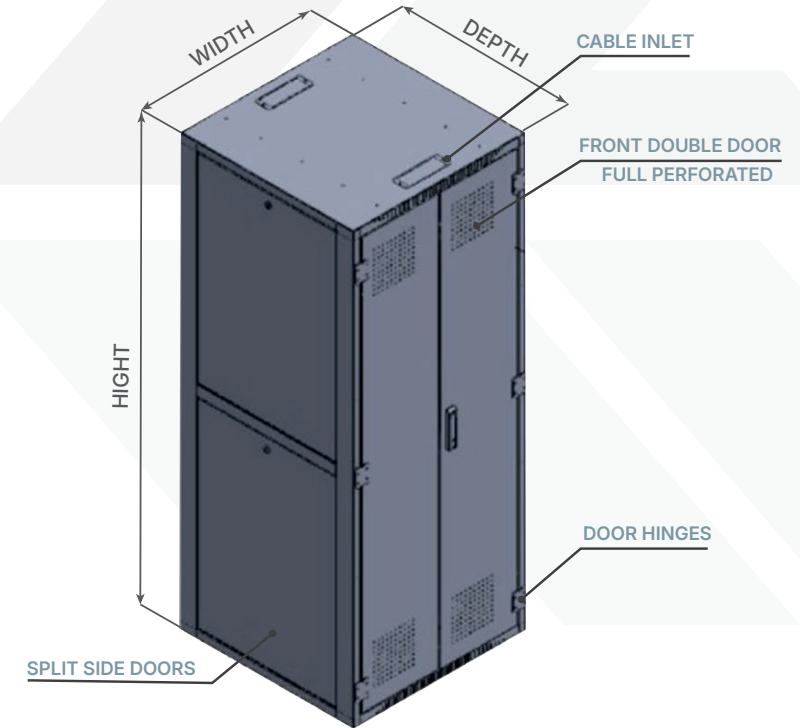
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◇ GAMMA DC FLEX DATA CENTER CABINETS SECTION

► Features:

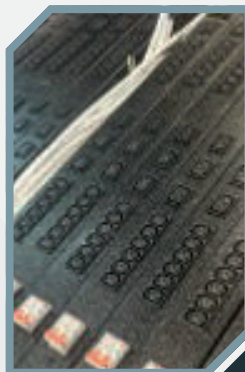
- GAMMA DC Flex Data Center Cabinets Height : 42U /45U /47U
- Size (W X D) : 800 X 800
- Made from Heavy Duty Steel Welded structure .
- Double door front and back full perforated
- Handle lock 3-point lock – (Optional Security lock with access card)
- Solid Split Side Doors, 1 Key lock , with solid hinges
- Solid Top with Cable Inlet from Top front /back and side
- 2 Pair of 19" Mounting Rails depth Adjustable
- Static Load = 1100 kg
- 2 Pair of Transportation Caster Wheel and HD levelling feet
- Variety of options available on Request (please see optional Page)
- (Optional) Vertical Cable Management with Cover (2 pcs at front side)
- (Optional) 4 Fans, 105 CFM/Fan , 220 Volts
- (Optional) Brush for Cable Inlet
- (Optional) Security Access lock with card and key lock
- IP 20 Rated
- All Keys are alike
- Colour BLACK RAL 9005 , or Gray 7035 , other colours available on request
- Part # GMC-DC-FLEX-XXU-610 (XX = U Height)
- **MADE IN SAUDI ARABIA**



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 800 X 800

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	
GMC-DC-FLEX-42U-88	Gamma DC Flex Data Center Cabinets 42U 800×800 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	800	2020	650	1100
GMC-DC-FLEX-45U-88	Gamma DC Flex Data Center Cabinets 45U 800×800 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	800	2160	650	1100
GMC-DC-FLEX-47U-88	Gamma DC Flex Data Center Cabinets 47U 800×800 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	800	2250	650	1100

OTHER SIZES AVAILABLE ON REQUEST



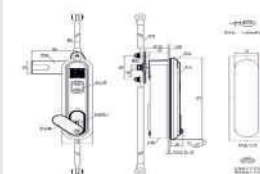
GAMMA VERTICAL PDU Models :

1. Basic PDU with Braker
2. Meter PDU with braker For Voltage and Amps and Watt
20 X C13 + 4 X C19 , 16 or 32 Amps (4 / 8 / 16 KW -220-250 V)
Power cord 1.8 m (3m option) Industrial Plug

ELECTRONIC LOCK WITH IC CARD (OPTIONAL)

Operation Instructions

1. After the controller powers on the electronic lock control wire, use the IC card to swipe the card in the designated swiping area. After the IC card matches the electronic lock, the green light flashes, and then press the circle position under the handle to turn on the electronic lock (if you don't press, The green light keeps flashing and waits for n seconds before the system automatically shuts down).
2. Rotate the handle to drive the steel bolt, connecting rod and other locking mechanisms to complete the opening action.
3. For key opening, first use the tool key to open the dust cover, then insert the key, and turn it clockwise to open the handle



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 800 X 1000

◆ Standard Dimensions :

U-Height : 42U-45-47U

Width : 800 mm

Depth : 1000 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray

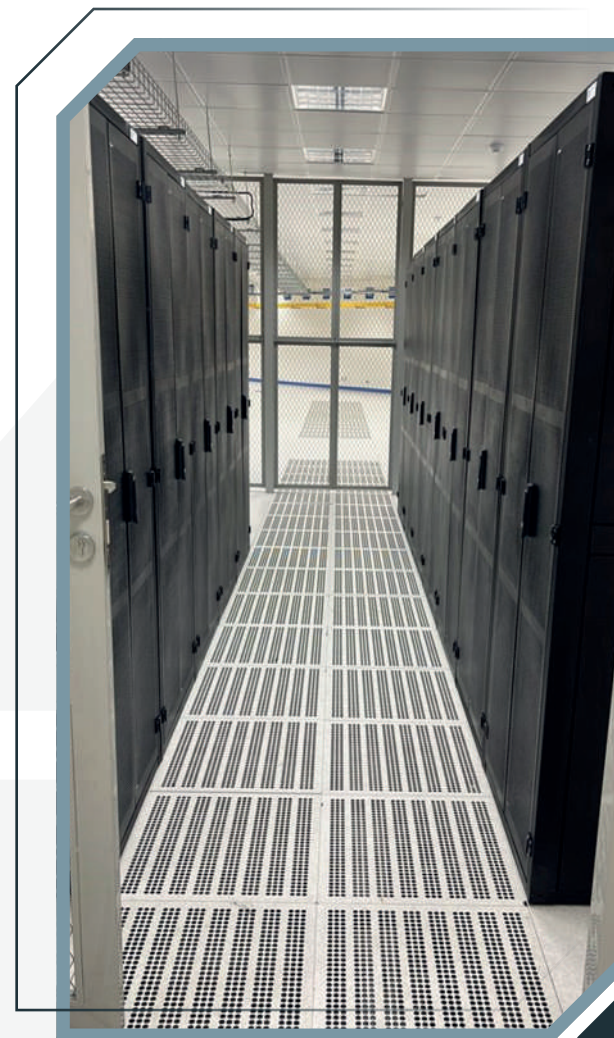


Other colours available
on request



◆ Complying with International Standards:

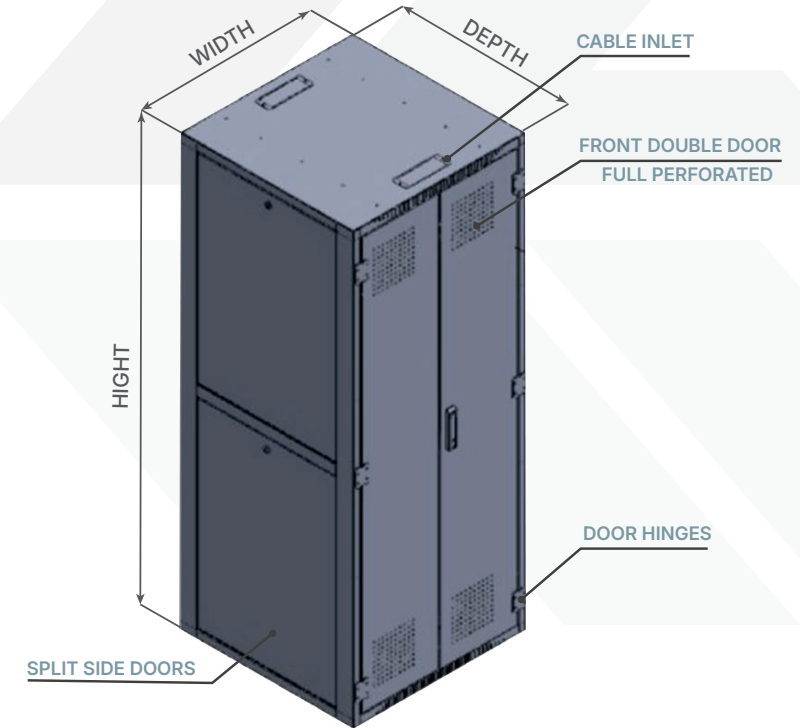
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



❖ GAMMA DC FLEX DATA CENTER CABINETS SECTION

➤ Features:

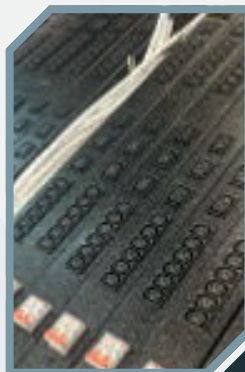
- GAMMA DC Flex Data Center Cabinets Height : 42U /45U /47U
- Size (W X D) : 800 X 1000
- Made from Heavy Duty Steel Welded structure .
- Double door front and back full perforated
- Handle lock 3-point lock – (Optional Security lock with access card)
- Solid Split Side Doors, 1 Key lock , with solid hinges
- Solid Top with Cable Inlet from Top front /back and side
- 2 Pair of 19" Mounting Rails depth Adjustable
- Static Load = 1100 kg
- 2 Pair of Transportation Caster Wheel and HD levelling feet
- Variety of options available on Request (please see optional Page)
- (Optional) Vertical Cable Management with Cover (2 pcs at front side)
- (Optional) 4 Fans, 105 CFM/Fan , 220 Volts
- (Optional) Brush for Cable Inlet
- (Optional) Security Access lock with card and key lock
- IP 20 Rated
- All Keys are alike
- Colour BLACK RAL 9005 , or Gray 7035 , other colours available on request
- Part # GMC-DC-FLEX-XXU-610 (XX = U Height)
- **MADE IN SAUDI ARABIA**



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 800 X 1000

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm		Depth Rail to Rail (mm)	Static Load (KG)
GMC-DC-FLEX-42U-810	Gamma DC Flex Data Center Cabinets 42U 800×1000 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	1000	2020	850	1100
GMC-DC-FLEX-45U-810	Gamma DC Flex Data Center Cabinets 45U 800×1000 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	1000	2160	850	1100
GMC-DC-FLEX-47U-810	Gamma DC Flex Data Center Cabinets 47U 800×1000 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	1000	2250	850	1100

OTHER SIZES AVAILABLE ON REQUEST



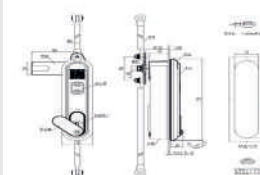
GAMMA VERTICAL PDU Models :

1. Basic PDU with Braker
2. Meter PDU with braker For Voltage and Amps and Watt
20 X C13 + 4 X C19 , 16 or 32 Amps (4 / 8 / 16 KW -220-250 V)
Power cord 1.8 m (3m option) Industrial Plug

ELECTRONIC LOCK WITH IC CARD (OPTIONAL)

Operation Instructions

1. After the controller powers on the electronic lock control wire, use the IC card to swipe the card in the designated swiping area. After the IC card matches the electronic lock, the green light flashes, and then press the circle position under the handle to turn on the electronic lock (if you don't press, The green light keeps flashing and waits for n seconds before the system automatically shuts down).
2. Rotate the handle to drive the steel bolt, connecting rod and other locking mechanisms to complete the opening action.
3. For key opening, first use the tool key to open the dust cover, then insert the key, and turn it clockwise to open the handle



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 800 X 1200

◆ Standard Dimensions :

U-Height : 42U-45-47U

Width : 800 mm

Depth : 1200 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray

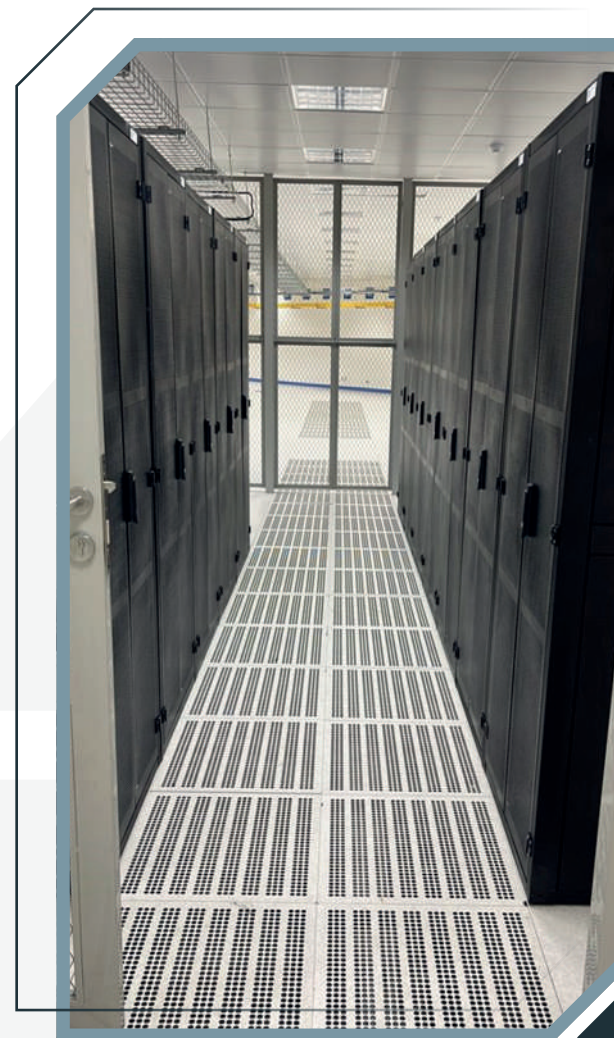


Other colours available
on request



◆ Complying with International Standards:

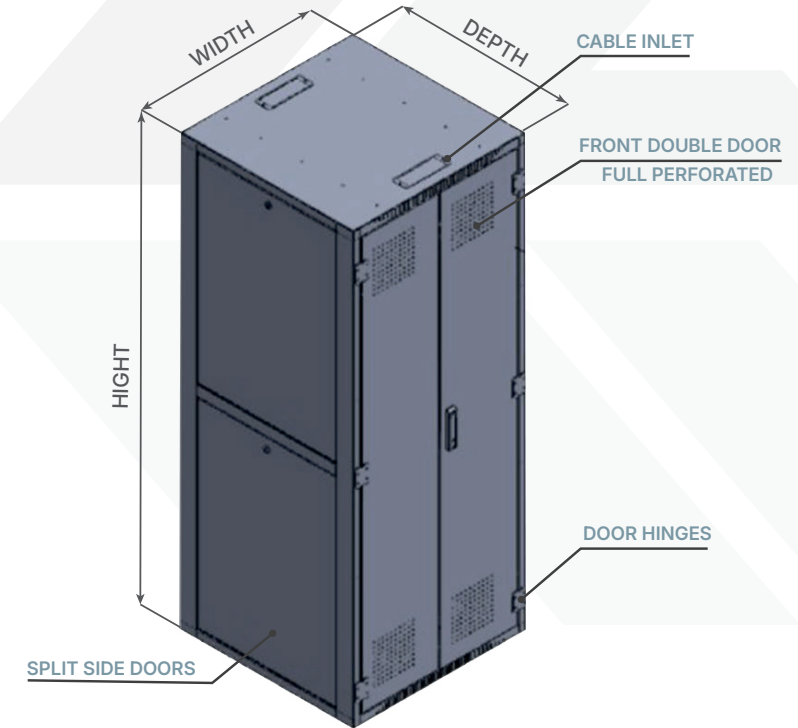
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



❖ GAMMA DC FLEX DATA CENTER CABINETS SECTION

➤ Features:

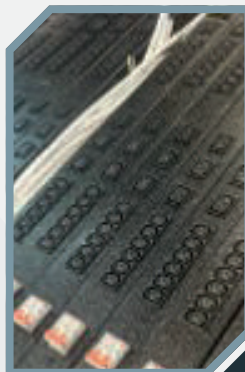
- GAMMA DC Flex Data Center Cabinets Height : 42U /45U /47U
- Size (W X D) : 800 X 1200
- Made from Heavy Duty Steel Welded structure .
- Double door front and back full perforated
- Handle lock 3-point lock – (Optional Security lock with access card)
- Solid Split Side Doors, 1 Key lock , with solid hinges
- Solid Top with Cable Inlet from Top front /back and side
- 2 Pair of 19" Mounting Rails depth Adjustable
- Static Load = 1100 kg
- 2 Pair of Transportation Caster Wheel and HD levelling feet
- Variety of options available on Request (please see optional Page)
- (Optional) Vertical Cable Management with Cover (2 pcs at front side)
- (Optional) 4 Fans, 105 CFM/Fan , 220 Volts
- (Optional) Brush for Cable Inlet
- (Optional) Security Access lock with card and key lock
- IP 20 Rated
- All Keys are alike
- Colour BLACK RAL 9005 , or Gray 7035 , other colours available on request
- Part # GMC-DC-FLEX-XXU-610 (XX = U Height)
- **MADE IN SAUDI ARABIA**



GAMMA DC FLEX DATA CENTER CABINETS (42U-45U-47U) 800 X 1200

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-DC-FLEX-42U-812	Gamma DC Flex Data Center Cabinets 42U 800×1200 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	1200	2020	1050	1100
GMC-DC-FLEX-45U-812	Gamma DC Flex Data Center Cabinets 45U 800×1200 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	1200	2160	1050	1100
GMC-DC-FLEX-47U-812	Gamma DC Flex Data Center Cabinets 47U 800×1200 with Removable Solid Split Side Doors, Double door front and back full perforated , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels	800	1200	2250	1050	1100

OTHER SIZES AVAILABLE ON REQUEST



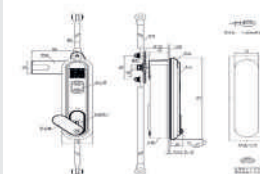
GAMMA VERTICAL PDU Models :

1. Basic PDU with Braker
2. Meter PDU with braker For Voltage and Amps and Watt
20 X C13 + 4 X C19 , 16 or 32 Amps (4 / 8 / 16 KW -220-250 V)
Power cord 1.8 m (3m option) Industrial Plug

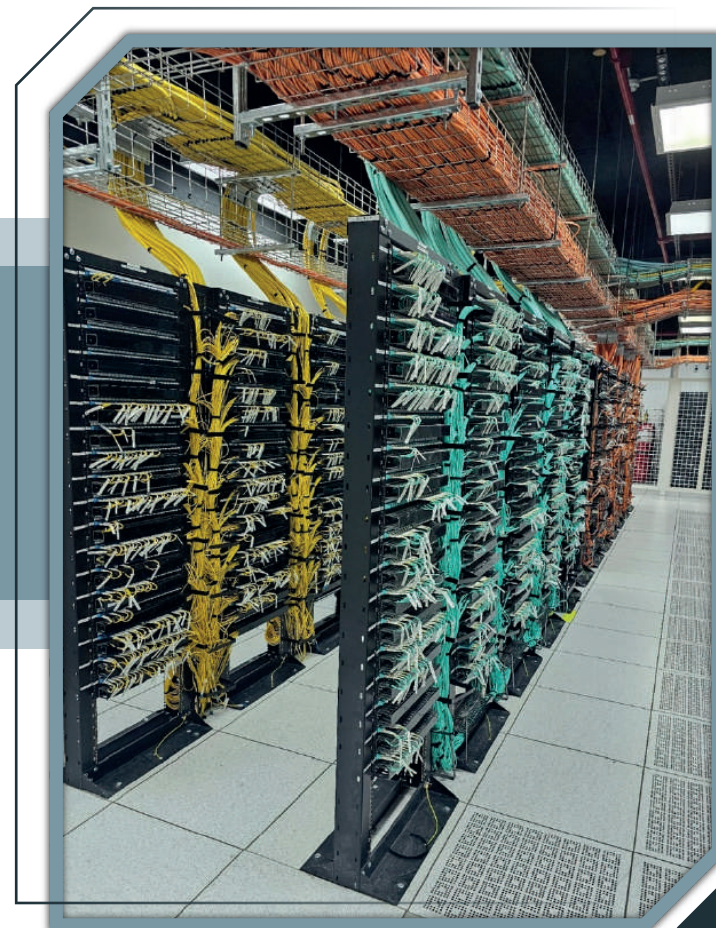
ELECTRONIC LOCK WITH IC CARD (OPTIONAL)

Operation Instructions

1. After the controller powers on the electronic lock control wire, use the IC card to swipe the card in the designated swiping area. After the IC card matches the electronic lock, the green light flashes, and then press the circle position under the handle to turn on the electronic lock (if you don't press, The green light keeps flashing and waits for n seconds before the system automatically shuts down).
2. Rotate the handle to drive the steel bolt, connecting rod and other locking mechanisms to complete the opening action.
3. For key opening, first use the tool key to open the dust cover, then insert the key, and turn it clockwise to open the handle



GAMMA NET OPEN RACK CABINETS – 2 OR 4 POLE (22U-47U)



GAMMA NET OPEN RACK CABINETS – 2 OR 4 POLE (22U-47U)

◆ Standard Dimensions :

Height	: 22U –47U
Width	: 510 mm
Depth	: 100 mm
No Of post	: 2 or 4 Post

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray

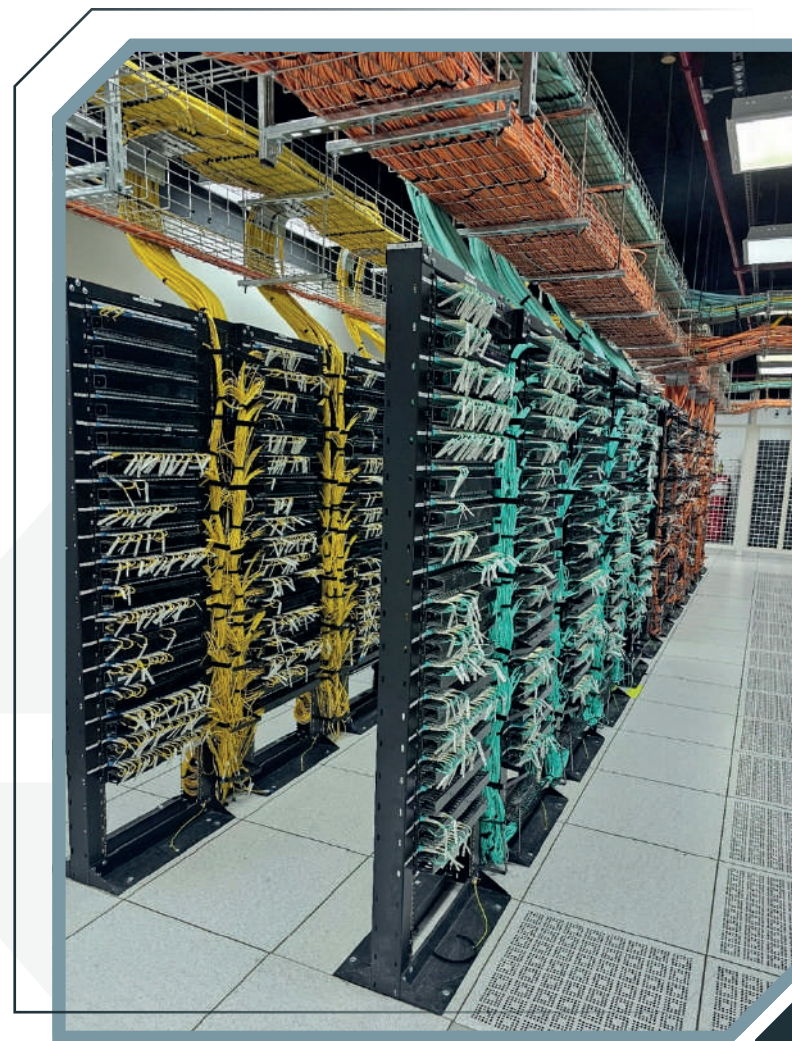


Other colours available
on request



◆ Complying with International Standards:

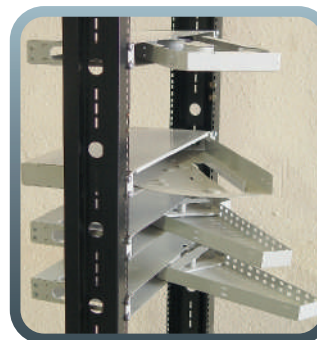
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS SECTION

► Features:

- Frame Made from Heavy Duty Steel structure
- Powder Coated Finish
- Size from 21U – 47 U
- 19" 2 Pole Frame or 4 Pole
- Static load 600 kg
- Base for ground fixing
- Optional Bus Bar for Earthing
- Optional Vertical cable Management at side
- Optional Cantilever Shelf
- Color Black RAL 9005 or Gray RAL 7035
- Other color available on Request
- **MADE IN SAUDI ARABIA**



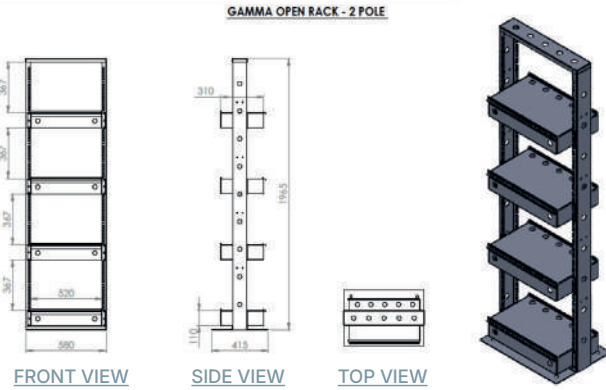
Keyboard Shelf

Open Rack	H	h	W	w
22 U	1125	22 U	514	450
36 U	1747	36 U	514	450
42 U	2013	42 U	514	450
45 U	2147	45 U	514	450

Abberviations : H- Overall Height, h- usable Height, W- Overall Width, w- usable width, 1U = 44.45MM



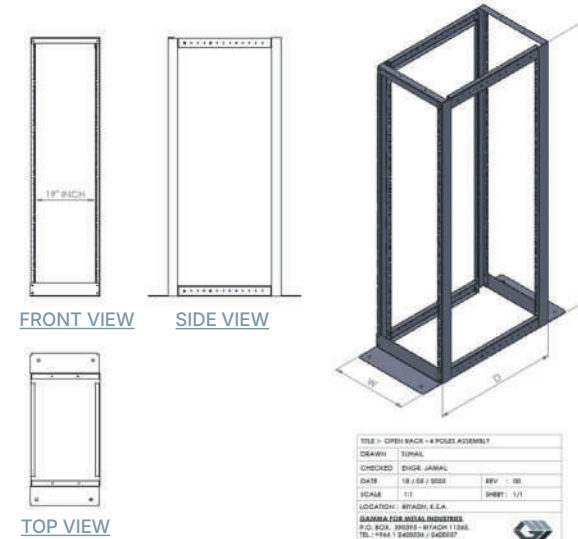
GAMMA OPEN RACK - 2 POLE



TITLE - OPEN RACK - 2 POLE ASSEMBLY			
DRAWN	SUNAL		
CHECKED	SHIGE JAMAL		
DATE	02 / 04 / 2020	REV	00
SCALE	1:1	SHEET	1/1
LOCATION - RIYADH, K.S.A.			
GAMMA FOR METAL INDUSTRIES			
P.O. BOX 28035 - RIYADH 11346			
TEL : +966 1 4435351 / 4435357			
FAX : +966 1 4435358			
E-MAIL : info@gammam.com.sa			



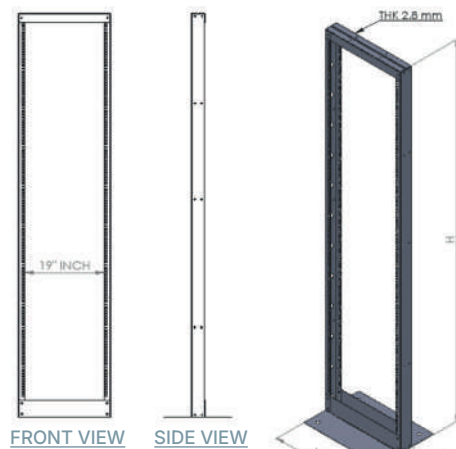
GAMMA OPEN RACK - 4 POLE - 19" INCH



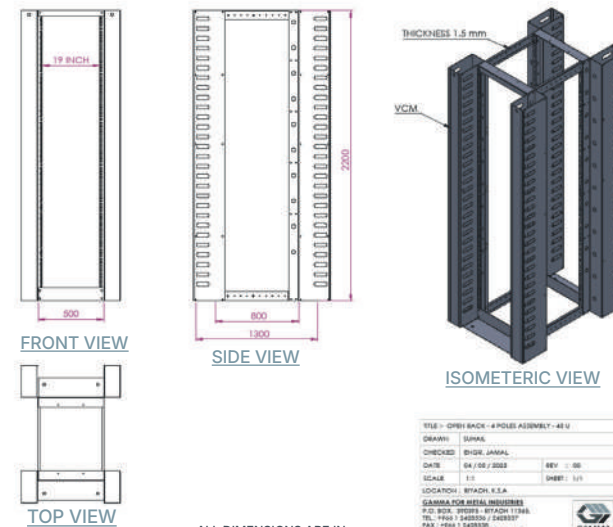
TITLE - OPEN RACK - 4 POLES ASSEMBLY			
DRAWN	SUNAL		
CHECKED	SHIGE JAMAL		
DATE	18 / 02 / 2020	REV	00
SCALE	1:1	SHEET	1/1
LOCATION - RIYADH, K.S.A.			
GAMMA FOR METAL INDUSTRIES			
P.O. BOX 28035 - RIYADH 11346			
TEL : +966 1 4435351 / 4435357			
FAX : +966 1 4435358			
E-MAIL : info@gammam.com.sa			



GAMMA OPEN RACK - 2 POLE - 19" INCH



TITLE - OPEN RACK - 2 POLE - 19"			
DRAWN	SUNAL		
CHECKED	SHIGE JAMAL		
DATE	18 / 02 / 2020	REV	00
SCALE	1:1	SHEET	1/1
LOCATION - RIYADH, K.S.A.			
GAMMA FOR METAL INDUSTRIES			
P.O. BOX 28035 - RIYADH 11346			
TEL : +966 1 4435351 / 4435357			
FAX : +966 1 4435358			
E-MAIL : info@gammam.com.sa			



TITLE - OPEN RACK - 4 POLES ASSEMBLY - 48 U			
DRAWN	SUNAL		
CHECKED	SHIGE JAMAL		
DATE	04 / 02 / 2020	REV	00
SCALE	1:1	SHEET	1/1
LOCATION - RIYADH, K.S.A.			
GAMMA FOR METAL INDUSTRIES			
P.O. BOX 28035 - RIYADH 11346			
TEL : +966 1 4435351 / 4435357			
FAX : +966 1 4435358			
E-MAIL : info@gammam.com.sa			



ALL DIMENSIONS ARE IN mm



GAMMA NET FREE STAND RACK CABINETS



GAMMA NET FREE STAND RACK CABINETS (42U-45U-47U) – COMPARTMENT

◆ Standard Dimensions :

U-Height : 42U -45U- 47U

Width : 800 mm

Depth : 1000/1200 mm

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray

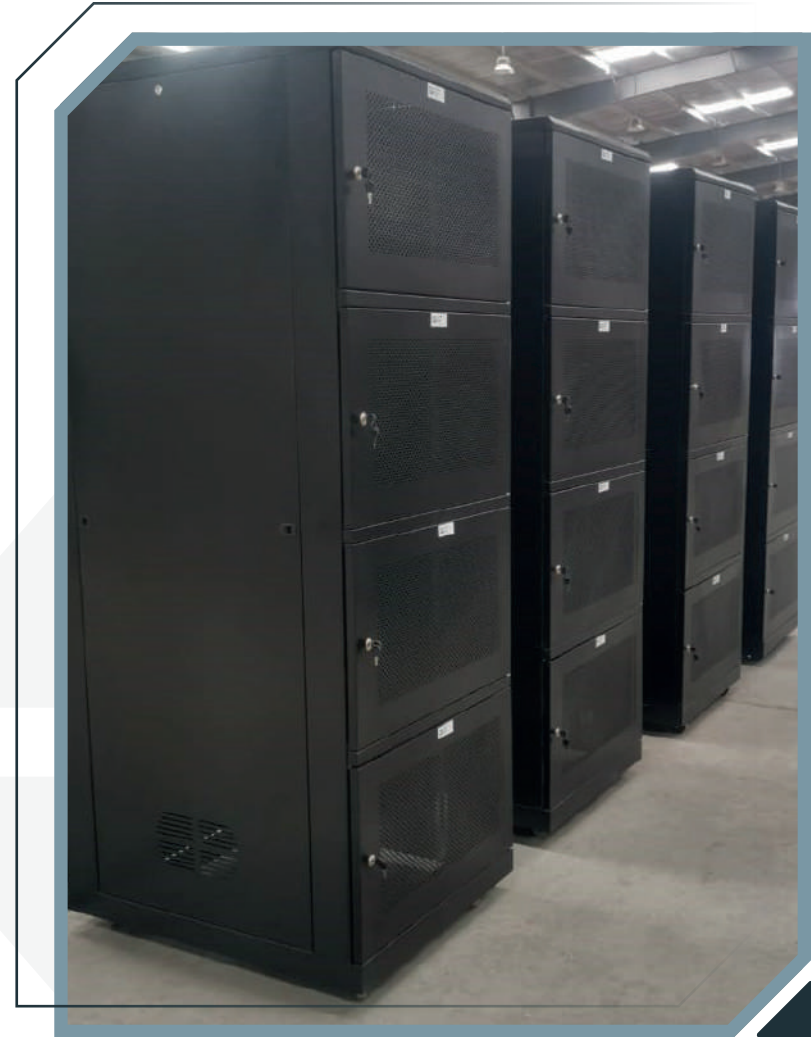


Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP20 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND CABINETS – COMPARTMENT SECTION

► Features:

- GAMMA Data Cabinets – COMPARTMENT
- Made from Steel Welded Frame
- Front and Back glass compartment doors – Optional single or double perforated doors
- Compartment Cabinet – custom design – 2/3/4 compartment as per customer request
- Every Compartment have different Key lock -Optional Digital Security lock
- No interface between compartment
- Vertical Cable Management with Cover (2 pcs at front side) for every compartment
- 4 Fans, 100 CFM/Fan , 220 Volts
- Removable Single Side door with key lock and latch (optional compartment)
- 2 Pair of 19" Mounting Rails depth Adjustable for every compartment
- Static Load = 800 kg
- Varsity of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- Cable Inlet from Top & Bottom
- IP 20 Rated (IP54 available as optional on request)
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**

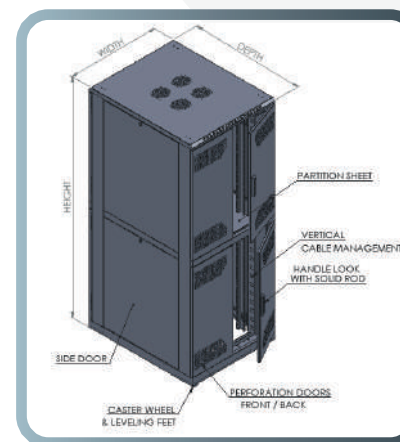
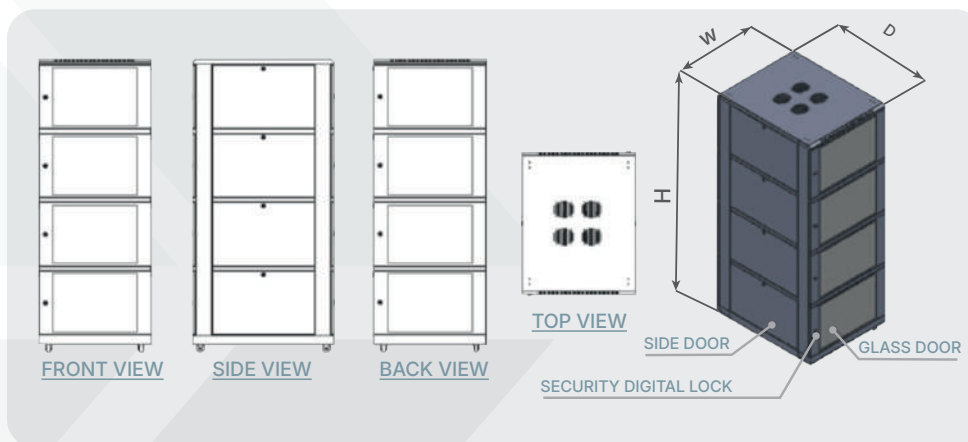


Optional :
Digital Lock for every compartment Number lock

GAMMA NET FREE STAND RACK CABINETS SIZE 42U - 45U - 47U (800X1000)

Part Number	Description - Standard Configuration - Colour Black RAL 9005 (WELDED STRUCTURE)	Width (W) mm	Depth (D) mm	Height (H) mm	Depth Rail to Rail (mm)	Static Load (KG)
GMC-FR-42U-810-4F	Gamma Net Free Stand Compartment Cabinet 42U 800×1000 with Removable single Side Door (compartment side door available as option) , Front and Back door perforated for every compartment with unlike key lock , Pair of Vertical cable management for every compartment , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	800	1000	2020	600	800
GMC-FR-45U-810-4F	Gamma Net Free Stand Compartment Cabinet 45U 800×1000 with Removable single Side Door (compartment side door available as option) , Front and Back door perforated for every compartment with unlike key lock , Pair of Vertical cable management for every compartment , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1000	2160	600	800
GMC-FR-47U-810-4F	Gamma Net Free Stand Compartment Cabinet 47U 800×1000 with Removable single Side Door (compartment side door available as option) , Front and Back door perforated for every compartment with unlike key lock , Pair of Vertical cable management for every compartment , 2 pair of 19" Adjustable Pillars , 2 pair of caster Wheels , 4 Fan	600	1000	2250	600	800

OTHER SIZES AVAILABLE ON REQUEST



GAMMA NET FREE STAND RACK CABINETS – IP 54 (36U-42U-45U-47U)

◆ **Standard Dimensions :**

U-Height : 36U-42U-45-47U

Width : 600/800 mm

Depth : 800/1000/1200 mm

◆ **Standard Colour :**

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ **Complying with International Standards:**

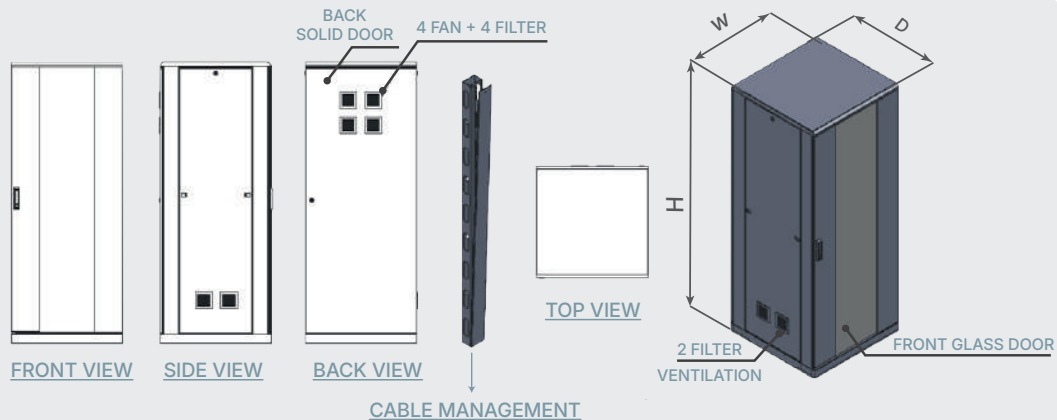
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP54 Protected
- MADE IN KSA



◆ GAMMA NET FREE STAND RACK CABINETS SECTION

► Features:

- GAMMA Data Cabinets IP54
- Made from Galvanized Steel Welded Frame .
- Front Glass Door with swing Handle Lock
- Back door with Key lock and Ventilation fans with air filters
- Removable Side Doors, 1 Key lock and 2 Plastic Latched each side and filters
- Cable Inlet from Top & Bottom with removable cover and casket
- 4 Fans, 100 CFM/Fan , 220 Volts at back side with air filters
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side (option)
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 54 Rated
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



GAMMA DbA FREE STAND CABINETS – CUSTOM MADE SOUNDPROOF CABINETS

◆ **Standard Dimensions :**

U-Height : Custom Made Cabinets

Width : 600/800 mm

Depth : 800/1000/1200 mm

◆ **Standard Colour :**

RAL 9005
BLACK



RAL 7035
Light Gray

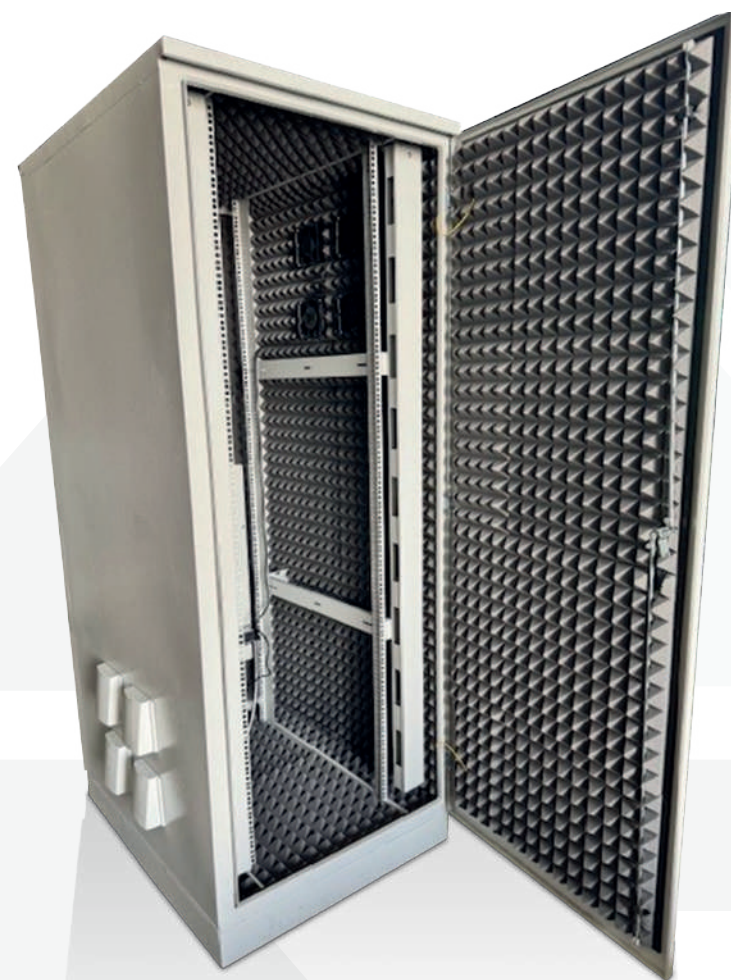


Other colours available
on request



◆ **Complying with International Standards:**

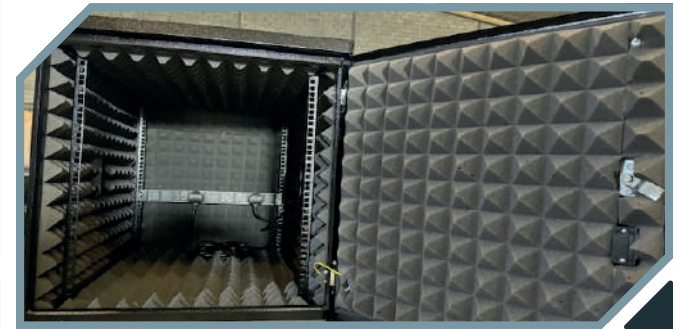
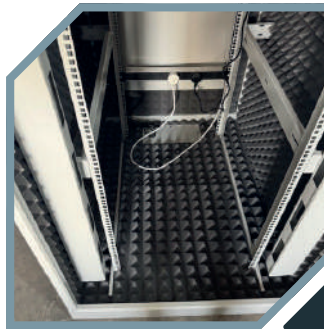
- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP54 Protected
- MADE IN KSA



◆ GAMMA DbA FREE STAND CABINETS SECTION

► Features:

- GAMMA Data Cabinets Custom Made Soundproof Cabinets
- Made from Steel Welded Frame .
- Front Glass Door with swing Handle Lock
- Back door with Key lock and Ventilation fans with air filters
- Removable Side Doors, 1 Key lock and 2 Plastic Latched each side and filters
- Up to 40 % noise reduction
- Cable Inlet from Top & Bottom with removable cover and casket
- 4 Fans, 100 CFM/Fan , 220 Volts at back side with air filters
- 2 Pair of 19" Mounting Rails depth Adjustable
- 1 Pair of Metal Vertical Cable Management with Cover at front side (option)
- Static Load = 800 kg
- Variety of options available on Request (please see optional Page)
- 2 Pair of Transportation Caster Wheel
- All Keys are alike
- IP 54 Rated
- Color BLACK RAL 9005 , or Grau 7035 , other colors available on request
- **MADE IN SAUDI ARABIA**



GAMMA OUTDOOR CABINETS



GAMMA 19" OUTDOOR IP RACK CABINETS Wall Mount and Pole Mount



GAMMA 19" OUTDOOR IP RACK CABINETS WALL MOUNT AND POLE MOUNT

◆ Standard Dimensions :

Height : 6U / 9U/ 12U/ 15U/ 18U/ 21U

Width : 600 mm

Depth : 600/800 mm

◆ Standard Colour :

RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP66 Protected
- MADE IN KSA



◆ GAMMA NEW GENERATION SECURITY OUTDOOR CABINET – IP PROTECTION

➤ 1.0 Gamma Outdoor General Features :

1- Security Cabinet: GAMMA Security Cabinets with Pole mount version enable protecting your valuable and sensitive equipment's with its unique design. It is well protected against rain, snow, wind, sun radiation With its perfect resistance against to corrosion, protects your technological investments against environmental effects. Overall, between the inner and outer skin there is an Optional isolation rubber material or Aluminium foil to prevent skin heat to go inside cabinet

2- Cabinet Structure: Structure made from Galvanized steel material, with high corrosion resistance and polyester outdoor electrostatic Powder Coated painting through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns

3- Filter and Fan System: The cabinet has a replaceable 1 or 2 filter housing with Canopy at right side , which eliminates water and dust entry while allowing fresh air entry to the cabinet. The left side of the cabinet is equipped with 1 or 2 fan with filters. The Single cycle fan system allows fresh air entry from right side and discharge from left side accumulated heat from the ventilation filters back of the fans .

4- Rain Canopy at top of the cabinet for double protection from rain

5- Painting: Outdoor style polyester paint through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns applied to resist environmental corrosive effects. It also resists to sun radiation. Standard applied colour is RAL7035 Light Grey.

6- Optional Sunshade 50 mm – 100 mm sunshade over the rain canopy for more heat reduction in case of direct sun all day to eliminate direct heat of cabinet skin

7- Front Door Structure and Lock System: Hidden 3 hinge, fixed on front door and 1 or 2 key lock depend on cabinet size . With gasket, the front door provides maximum safety and sealing when the door is closed.. It has a sealing gasket structure, provides excellent IP protection even cold / hot weather condition.

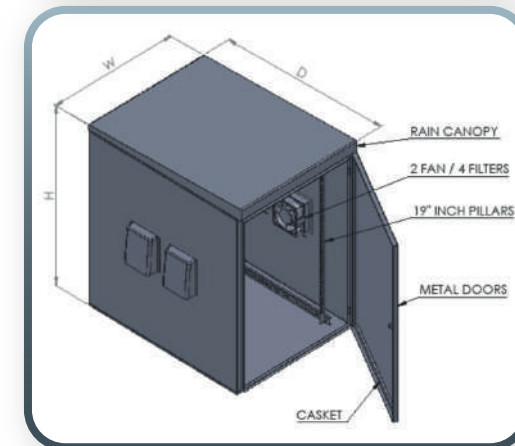
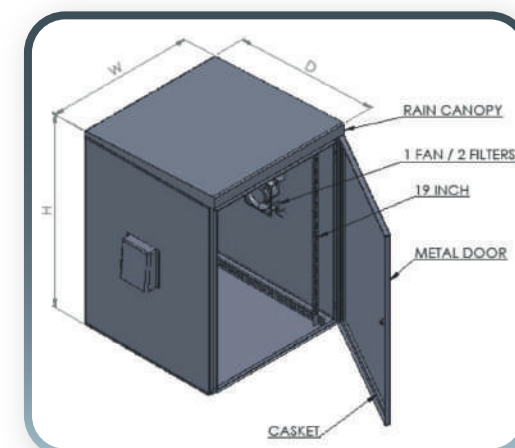
8- Mounting Plate : Pair of 19" Mounting Pillars are provided according to cabinet design

9- Optional isolated Skin Structure: Isolated Skin protects the equipment's inside cabinet from external effects, and harsh environmental conditions.



GAMMA OUTDOOR IP RATED WITH 19" Pillars Wall /Pole Mount Metal CABINET

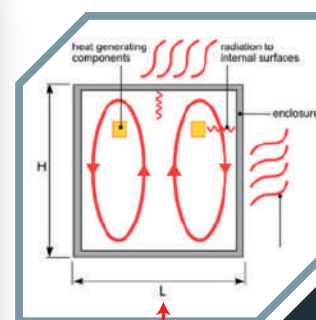
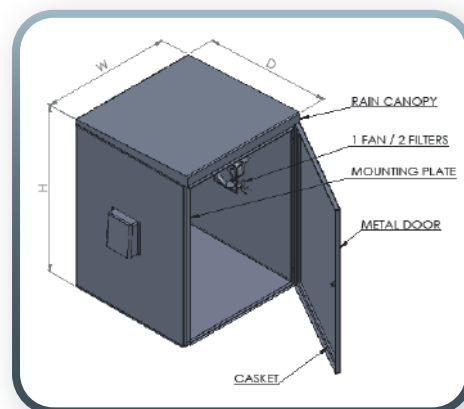
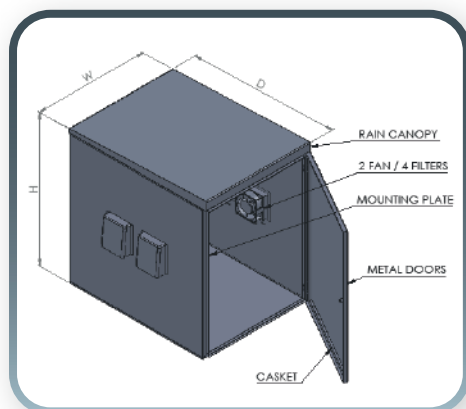
Part Number	Standard Description (W X H X D) mm	Depth (D)
GMC-OD-WMS-6U-66-1F	6U Wall mounting steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars – 1 Fan	600
GMC-OD-WMS-6U-68-1F	6U Wall mounting steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars – 1 Fan	800
GMC-OD-WMS-9U-66-1F	9U Wall mounting steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars – 1 Fan	600
GMC-OD-WMS-9U-68-1F	9U Wall mounting steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars – 1 Fan	800
GMC-OD-WMS-12U-66-1F	12U Wall mounting steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars – 1 Fan	600
GMC-OD-WMS-12U-68-1F	12U Wall mounting steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars – 1 Fan	800
GMC-OD-WMS-15U-66-1F	15U Wall mounting steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars – 1 Fan	600
GMC-OD-WMS-15U-68-2F	15U Wall mounting steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars – 2 Fan	800
GMC-OD-WMS-18U-66-1F	18U Wall mounting steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars – 1 Fan	600
GMC-OD-WMS-18U-68-2F	18U Wall mounting steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars – 2 Fan	800
GMC-OD-WMS-21U-66-1F	21U Wall mounting steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars – 1 Fan	600
GMC-OD-WMS-21U-68-2F	21U Wall mounting steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars – 2 Fan	800



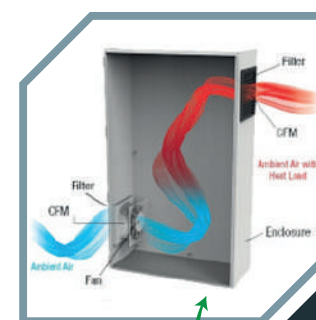
GAMMA OUTDOOR IP RATED WALL/Pole Metal CABINET & Enclosures

GAMMA OUTDOOR IP RATED WITH MOUNTING PLATE (MP) Wall /Pole Mount Metal Enclosures

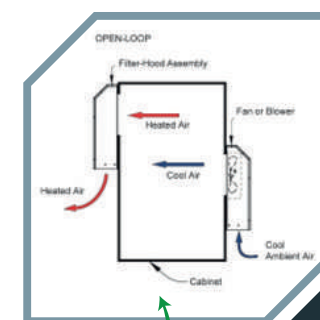
Part Number	Standard Description (W X H X D) mm	MP SIZE (WXH) mm	Depth (D)
GMC-OD-WMS-4040-25-1F	Wall/Pole Mounting Enclosures size 400X400X250 1 door IP 66 with Mounting Plate - 1 FAN	300 × 300	250
GMC-OD-WMS-5050-25-1F	Wall/Pole Mounting Enclosures size 500X500X250 1 door IP 66 with Mounting Plate - 1 FAN	400 × 400	250
GMC-OD-WMS-6060-25-1F	Wall/Pole Mounting Enclosures size 600X600X200 1 door IP 66 with Mounting Plate - 1 FAN	500 × 500	250
GMC-OD-WMS-7070-25-2F	Wall/Pole Mounting Enclosures size 700X700X250 1 door IP 66 with Mounting Plate - 2 FAN	600 × 600	250
GMC-OD-WMS-8080-30-2F	Wall/Pole Mounting Enclosures size 800X800X250 1 door IP 66 with Mounting Plate - 2 FAN	700 × 700	300
GMC-OD-WMS-80100-30-2F	Wall/Pole Mounting Enclosures size 800X1000X300 1 door IP 66 with Mounting Plate - 2 FAN	700 × 900	300
GMC-OD-WMS-80120-30-2F	Wall/Pole Mounting Enclosures size 800X1200X300 1 door IP 66 with Mounting Plate - 2 FAN	700 × 1100	300



Enclosure without FAN



Enclosure with FAN



GAMMA 19" OUTDOOR IP RACK CABINETS FREE STAND



GAMMA 19" OUTDOOR IP RACK CABINETS FREE STAND

◆ Standard Dimensions :

Height : 6U / 9U/ 12U/ 15U/ 18U/ 21U

Width : 600 /800 mm

Depth : 600 /800 mm

◆ Standard Colour :

RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP66 Protected
- MADE IN KSA



◆ GAMMA NEW GENERATION SECURITY OUTDOOR CABINET – IP PROTECTION

➤ Gamma Outdoor General Features :

1- Security Cabinet: GAMMA Security Cabinets with Pole mount version enable protecting your valuable and sensitive equipment's with its unique design. It is well protected against rain, snow, wind, sun radiation With its perfect resistance against to corrosion, protects your technological investments against environmental effects. Overall, between the inner and outer skin there is an Optional isolation rubber material or Aluminium foil to prevent skin heat to go inside cabinet

2- Cabinet Structure: Structure made from Galvanized steel material, with high corrosion resistance and polyester outdoor electrostatic Powder Coated painting through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns

3- Filter and Fan System: The cabinet has a replaceable 1 or 2 filter housing with Canopy at right side , which eliminates water and dust entry while allowing fresh air entry to the cabinet. The left side of the cabinet is equipped with 1 or 2 fan with filters. The Single cycle fan system allows fresh air entry from right side and discharge from left side accumulated heat from the ventilation filters back of the fans .

4- Rain Canopy at top of the cabinet for double protection from rain

5- Painting: Outdoor style polyester paint through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns applied to resist environmental corrosive effects. It also resists to sun radiation. Standard applied colour is RAL7035 Light Grey.

6- Optional Sunshade 50 mm – 100 mm sunshade over the rain canopy for more heat reduction in case of direct sun all day to eliminate direct heat of cabinet skin

7- Front Door Structure and Lock System: Hidden 3 hinge, fixed on front door and 1 or 2 key lock depend on cabinet size . With gasket, the front door provides maximum safety and sealing when the door is closed.. It has a sealing gasket structure, provides excellent IP protection even cold / hot weather condition.

8- Mounting Plate or 19" : Pair of 19" Pillars or MP are provided according to customer

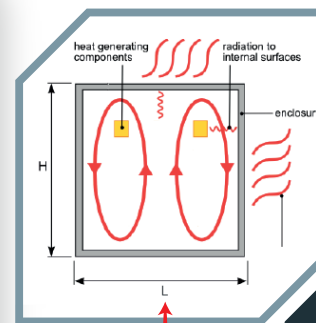
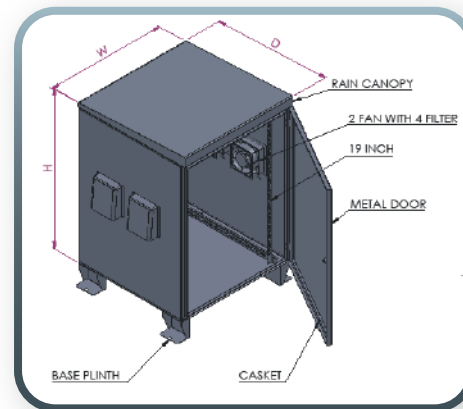
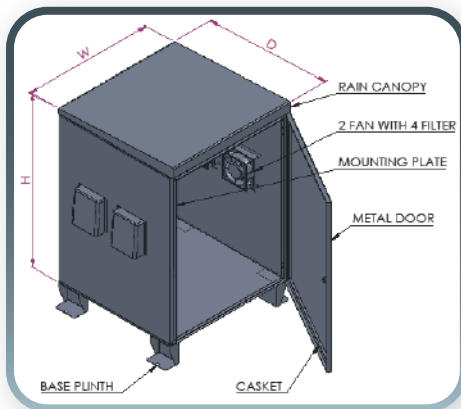
9- Optional isolated Skin Structure: Isolated Skin protects the equipment's inside cabinet from external effects, and harsh environmental conditions.



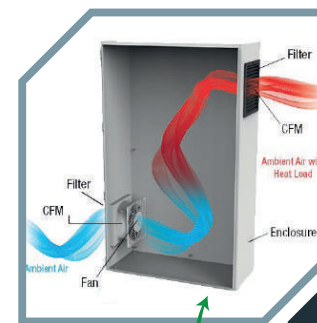
GAMMA NET OUTDOOR IP RATED 19" Floor Stand Metal Enclosures

Part Number	Standard Description (W X H X D) mm	Depth (D)
GMC-OD-FR-6U-66-1F	6U Free Stand steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm -1 Fan	600
GMC-OD-FR-6U-68-1F	6U Free Stand steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-1 Fan	800
GMC-OD-FR-9U-66-1F	9U Free Stand steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-1 Fan	600
GMC-OD-FR-9U-68-1F	9U Free Stand steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-1 Fan	800
GMC-OD-FR-12U-66-1F	12U Free Stand steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-1 Fan	600
GMC-OD-FR-12U-68-1F	12U Free Stand steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars-Plinth 50 mm-1 Fan	800
GMC-OD-FR-15U-66-1F	15U Free Stand steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-1 Fan	600
GMC-OD-FR-15U-68-2F	15U Free Stand steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars-Plinth 50 mm-2 Fan	800
GMC-OD-FR-21U-66-2F	21U Free Stand steel enclosures size 600X600 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-2 Fan	600
GMC-OD-FR-21U-68-2F	21U Free Stand steel enclosures size 600X800 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-2 Fan	800
GMC-OD-FR-21U-88-2F	21U Free Stand steel enclosures size 800X800 1 door IP 65 with 4 19 inch Pillars -Plinth 50 mm-2 Fan	800

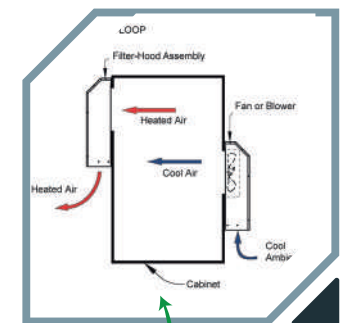
OTHER SIZES AVAILABLE ON REQUEST



Enclosure without FAN

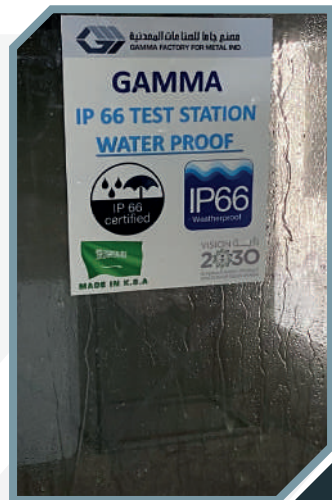


Enclosure with FAN



◆ GAMMA OD TEST REPORT – WATER PROOF

- **Test product :** GAMMA OUTDOOR CABINETS IP66
- **Manufacturer :** GAMMA FACTORY FOR METAL INDS. KSA
- **Cabinet Size :** 500 X 700 X 250 mm
- **Cabinet Data Include :** Rubber Inside Isolation
2 Fans with Filter,
2 Air Inlet Filters, Rain Canopy
Sabic Galvanized Steel GI – G90
- **Test Duration :** 15 min
- **Test Type :** High Pressure water from all Direction
- **Number of Water Nozzles :** 76 Nozzles x 14 mm Water Pipe



◆ GAMMA OD TEST REPORT – FAN TEST

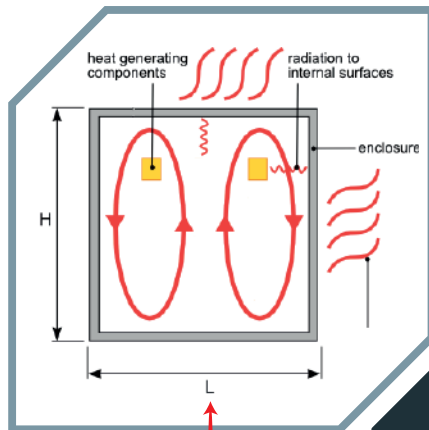
Test product : GAMMA OUTDOOR CABINETS IP66
Manufacturer : GAMMA FACTORY FOR METAL INDS. KSA
Cabinet Size : 500 X 700 X 250 mm
Cabinet Data Include : Rubber Inside Isolation
 2 Fans with Filter,
 2 Air Inlet Filters, Rain Canopy
 Sabic Galvanized Steel GI – G90

Test Duration : 60 min

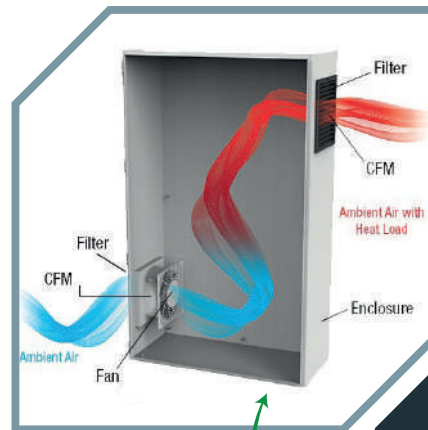
Test Type : Fan Heat Dissipation

Heat Load : 200 Watt

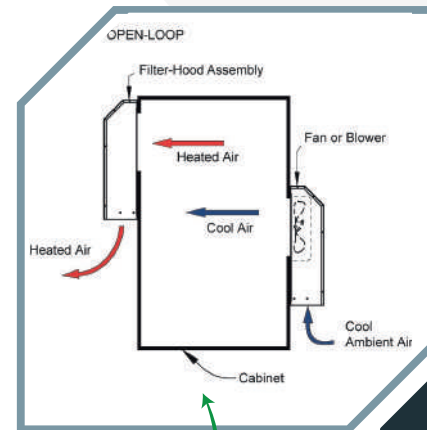
Test Room : Normal Room Environments



Enclosure without FAN



Enclosure with FAN



GAMMA OD TEST REPORT –FAN TEST

1 →



Heat Source OFF & Fan OFF
Inside Temp. = 30 C
Outside Temp. = 31 C

2 →



Heat Source ON / Fan OFF
Inside Temp. = 40 C
Duration : 15 min
Outside Temp. = 30 C

3 →



Heat Source ON / Fan ON
Inside Temp. = 37 C
Duration : 10 min
Outside Temp. = 31 C

4 →



Heat Source ON / Fan ON
Inside Temp. = 34 C
Duration : 15 min
Outside Temp. = 31 C

5 →



Heat Source ON / Fan ON
Inside Temp. = 32 C
Duration : 5 min
Outside Temp. = 32 C

6



Heat Source ON / Fan ON
Inside Temp. = 33 C
Duration : 5 min
Outside Temp. = 33 C

GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (AC) SINGLE DOOR



GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (AC)

◆ Standard Dimensions :

U-Height : 21U - 27U - 36U - 42U

Width : 700/800 mm

Depth : 800/1000 mm

◆ Standard Colour :

RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP66 Protected
- MADE IN KSA



GAMMA NEW GENERATION SECURITY OUTDOOR CABINET – IP66 PROTECTION WITH AC

➤ Gamma Outdoor Features :

1- Security Cabinet: GAMMA Security Cabinets enable protecting your valuable and sensitive equipment's with its unique design. It is well protected against rain, snow, wind, sun radiation With its perfect resistance against to corrosion, protects your technological investments against environmental effects. Overall, between the inner and outer skin there is Aluminium foil to prevent skin heat to go inside cabinet

2- Cabinet Structure: Structure made from Galvanized steel material, with high corrosion resistance and polyester outdoor electrostatic Powder Coated painting through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns

3- Air Condition Unit : Standard High Cooling Capacity Unit **9000 BTU (2600 W)** with AC housing for IP rated **Special for Saudi Arabia and GCC Countries Summer Hot environments** The cabinet has a replaceable 2 filter housing and 2 Fans with Canopy, allowing fresh air entry to the cabinet. The left side of the cabinet is equipped with 1 or 2 fan with filters. The Single cycle fan system allows fresh air entry during winter time to reduce the running of the air condition in winter time ,

4- Rain Canopy at top of the cabinet for double protection from rain

5- Painting: Outdoor style polyester paint through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns applied to resist environmental corrosive effects. It also resists to sun radiation. Standard applied colour is RAL7035 Light Grey.

6- Front Door Structure and Lock System: Hidden 3 hinge, fixed on door and With the standard 3 Points locking system handle and gasket, the front and back door provides maximum safety and sealing when the door is closed.. It has a sealing gasket structure, provides excellent IP protection even cold / hot weather condition.

7- Mounting Plate : Pair of 19" Mounting Pillars are provided according to cabinet design

8- Isolated Skin Structure: Isolated double Skin protects the equipment's inside cabinet from external effects, and harsh environmental conditions.

9- Base Plinth : 50 mm base plinth for easy cable inlet from bottom

10- Cable Inlet : Cut out at back base with removable cover for cable inlet

Air Condition Unit Details :

Standard AC Cabinet equipped with High Cooling Capacity Unit **9000 BTU (2600 W)** **Special for Saudi Arabia and GCC Countries Summer Hot environments** with below details:

- **Cooling Capacity Standard:** 9000 BTU (2600 W) / **Option 12,000 BTU (3500 W)**
- **Max Input Power:** 900 W for (9000 BTU) 1100 W for (12,000 BTU)
- **Max. Current:** 4.6 Amps to 6.0 Amps
- **Noise Level:** 53 DbA
- **Weight:** 24 kg
- **Voltage / Frequency:** 220-240 V / 60Hz
- **Refrigeration Charge:** R410A / 0.55 KG
- **Airflow Volume:** 330 cum/hr



GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (AC)

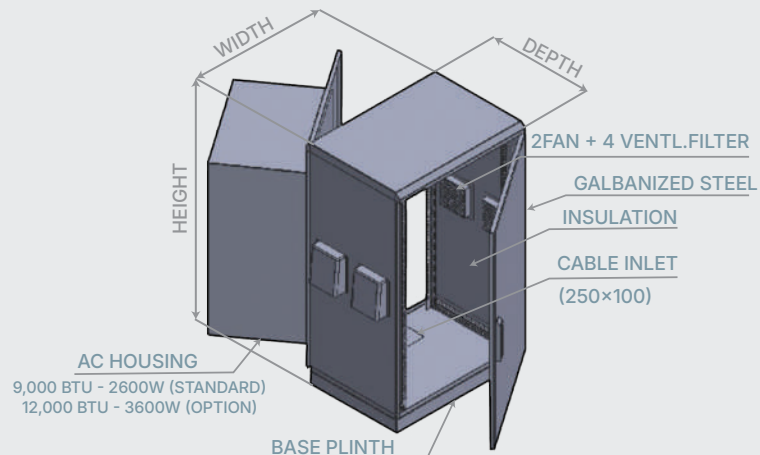
Part Number	Standard Description (W X H X D) mm	Cooling Capacity BTU (W)
GMC-OD-21U-78-AC	21U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 700X800 IP 66 with 2 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 50 mm , Front door With Casket & 3 point Handle Lock , Back Door with AC unit , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)
GMC-OD-27U-88-AC	27U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 800X800 IP 66 with 2 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 50 mm , Front door With Casket & 3 point Handle Lock , Back Door with AC unit , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)
GMC-OD-36U-88-AC	36U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 800X800 IP 66 with 2 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 50 mm , Front door With Casket & 3 point Handle Lock , Back Door with AC unit , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)
GMC-OD-42U-88-AC	42U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 800X800 IP 66 with 2 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 50 mm , Front door With Casket & 3 point Handle Lock , Back Door with AC unit , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)
GMC-OD-42U-810-AC	42U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 800X1000 IP 66 with 2 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 50 mm , Front door With Casket & 3 point Handle Lock , Back Door with AC unit , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)

OTHER SIZES AVAILABLE ON REQUEST

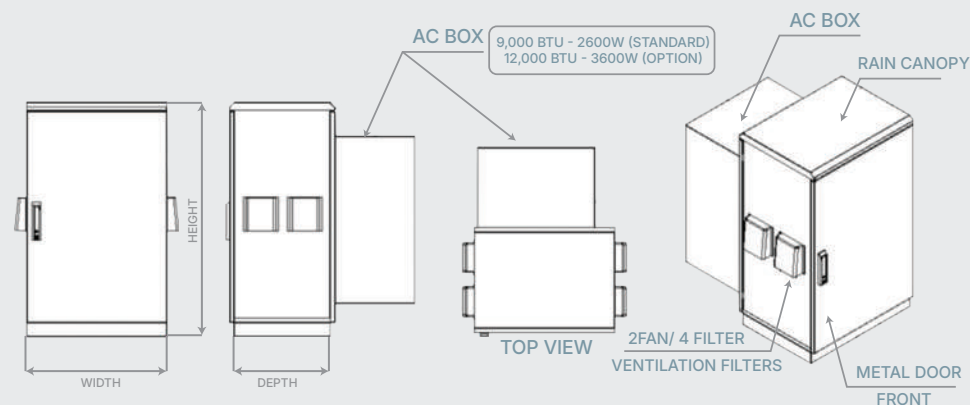


GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (AC)

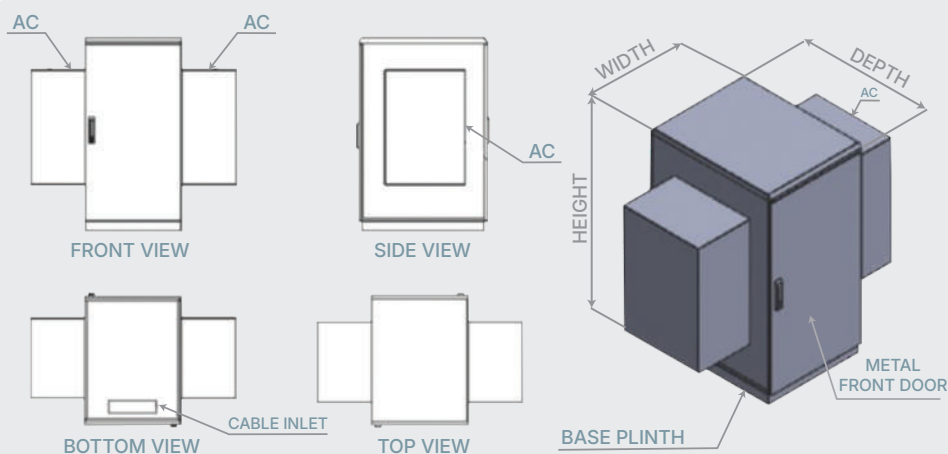
GAMMA OUTDOOR CABINET ASSEMBLY



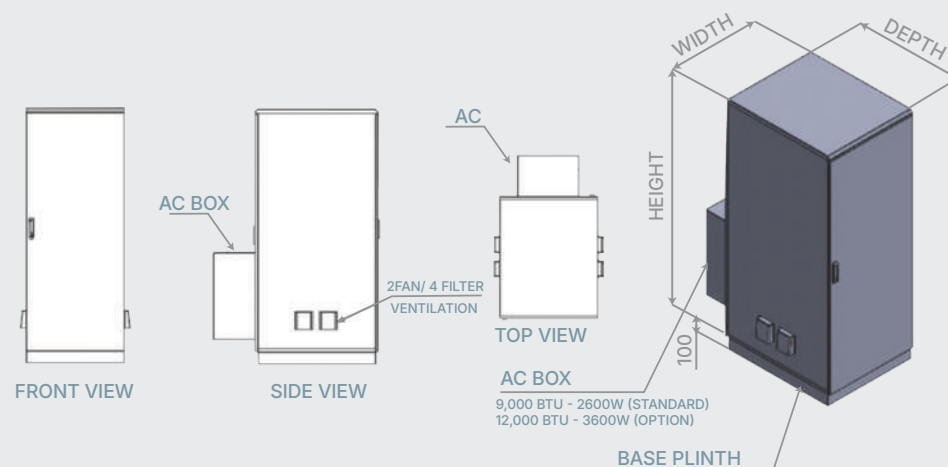
GAMMA OUTDOOR CABINET WITH AC



GAMMA OUTDOOR AV CABINET



GAMMA OUTDOOR AC CABINET - IP66



**GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (AC)
DOUBLE FRONT AND BACK DOORS**





GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (AC) DOUBLE FRONT AND BACK DOORS

◆ Standard Dimensions :

U-Height : 21U /27U

Width : 1300 mm

Depth : 800 mm

◆ Standard Colour :

RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- EIA/ECA- 310 E & EIA-310 D
- IEC 297-1 19" MOUNTING
- IEC 297-2 Overall cabinet dimensions
- IP66 Protected
- MADE IN KSA



◆ GAMMA NEW GENERATION SECURITY OUTDOOR CABINET – IP66 PROTECTION WITH AC

➤ Gamma Outdoor Features :

1- Security Cabinet: GAMMA Security Cabinets enable protecting your valuable and sensitive equipment's with its unique design. It is well protected against rain, snow, wind, sun radiation With its perfect resistance against to corrosion, protects your technological investments against environmental effects. Overall, between the inner and outer skin there is Aluminium foil to prevent skin heat to go inside cabinet

2- Cabinet Structure: Structure made from Galvanized steel material, with high corrosion resistance and polyester outdoor electrostatic Powder Coated painting through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns

3- Air Condition Unit : Standard High Cooling Capacity Unit **9000 BTU (2600 W)** with AC housing for IP rated **Special for Saudi Arabia and GCC Countries Summer Hot environments** The cabinet has a replaceable 2 filter housing and 2 Fans with Canopy, allowing fresh air entry to the cabinet. The left side of the cabinet is equipped with 1 or 2 fan with filters. The Single cycle fan system allows fresh air entry during winter time to reduce the running of the air condition in winter time ,

4- Rain Canopy at top of the cabinet for double protection from rain

5- Painting: Outdoor style polyester paint through fully Automated 6 stages pretreatment Powder coating line with Robotic spraying Guns applied to resist environmental corrosive effects. It also resists to sun radiation. Standard applied colour is RAL7035 Light Grey.

6- Front Door Structure and Lock System: Hidden 3 hinge, fixed on door and With the standard 3 Points locking system handle and gasket, the front and back door provides maximum safety and sealing when the door is closed.. It has a sealing gasket structure, provides excellent IP protection even cold / hot weather condition.

7- Mounting Plate : Pair of 19" Mounting Pillars are provided according to cabinet design

8- Isolated Skin Structure: Isolated double Skin protects the equipment's inside cabinet from external effects, and harsh environmental conditions.

9- Base Plinth : 50 mm base plinth for easy cable inlet from bottom

10- Cable Inlet : Cut out at back base with removable cover for cable inlet

Air Condition Unit Details :

Standard AC Cabinet equipped with High Cooling Capacity Unit **9000 BTU (2600 W)** Special for Saudi Arabia and GCC Countries Summer Hot environments with below details:

- Cooling Capacity Standard: 9000 BTU (2600 W) / Option 12,000 BTU (3500 W)
- Max Input Power: 900 W for (9000 BTU) 1100 W for (12,000 BTU)
- Max. Current: 4.6 Amps to 6.0 Amps
- Noise Level: 53 DbA
- Weight: 24 kg
- Voltage / Frequency: 220-240 V / 60Hz
- Refrigeration Charge: R410A / 0.55 KG
- Airflow Volume: 330 cum/hr

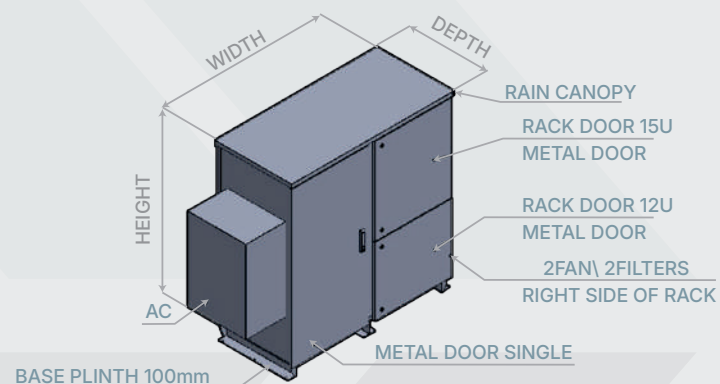
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Project Threat Analysis Model:	WSP-RTCC-2017-01-01-001	Submission Reviewer:	01-001
Project SWOT Analysis Model:	WSP-RTCC-2017-01-01-001	Submission Date:	01-001
Project PEST Analysis Model:	WSP-RTCC-2017-01-01-001	Submission Status:	01-001
Project Porter's Five Forces Model:	WSP-RTCC-2017-01-01-001	Submission Type:	01-001
Project Value Chain Model:	WSP-RTCC-2017-01-01-001	Submission Category:	01-001
Project Business Model Model:	WSP-RTCC-2017-01-01-001	Submission Submitter:	01-001
Project Revenue Model Model:	WSP-RTCC-2017-01-01-001	Submission Reviewer:	01-001
Project Cost Model Model:	WSP-RTCC-2017-01-01-001	Submission Date:	01-001
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Project Assets Model Model:	WSP-RTCC-2017-01-01-001	Submission Reviewer:	01-001
Project Liabilities Model Model:	WSP-RTCC-2017-01-01-001	Submission Date:	01-001
Project Net Worth Model Model:	WSP-RTCC-2017-01-01-001	Submission Status:	01-001
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Project Return on Investment Model Model:	WSP-RTCC-2017-01-01-001	Submission Status:	01-001
Project Break-even Point Model Model:	WSP-RTCC-2017-01-01-001	Submission Type:	01-001
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GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (1 Unit AC) DOUBLE FRONT AND BACK DOORS

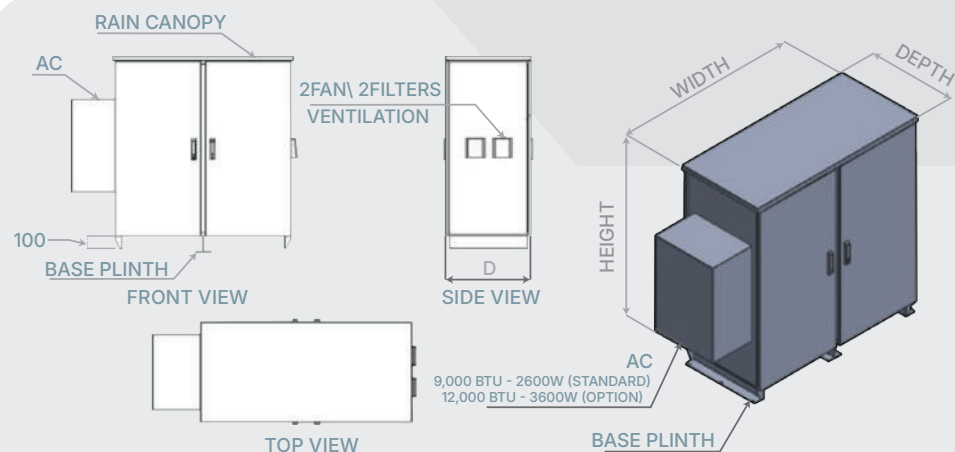
Part Number	Standard Description (W X H X D) mm	Cooling Capacity BTU (W)
GMC-OD-21U-138-1xAC	21U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 21U - 1300 (W)X 800 (D) IP 66 with 4 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 100 mm , Front & Back Double door With Casket & 3-point Handle Lock , Back Door with 1 x AC unit at side , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)
GMC-OD-27U-138-1xAC	27U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 27U - 1300 (W)X 800 (D) IP 66 with 4 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 100 mm , Front & Back Double door With Casket & 3-point Handle Lock , Back Door with 1 x AC unit at side , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)

OTHER SIZES AVAILABLE ON REQUEST

GAMMA OUTDOOR METAL ENCLOSURES CABINETS



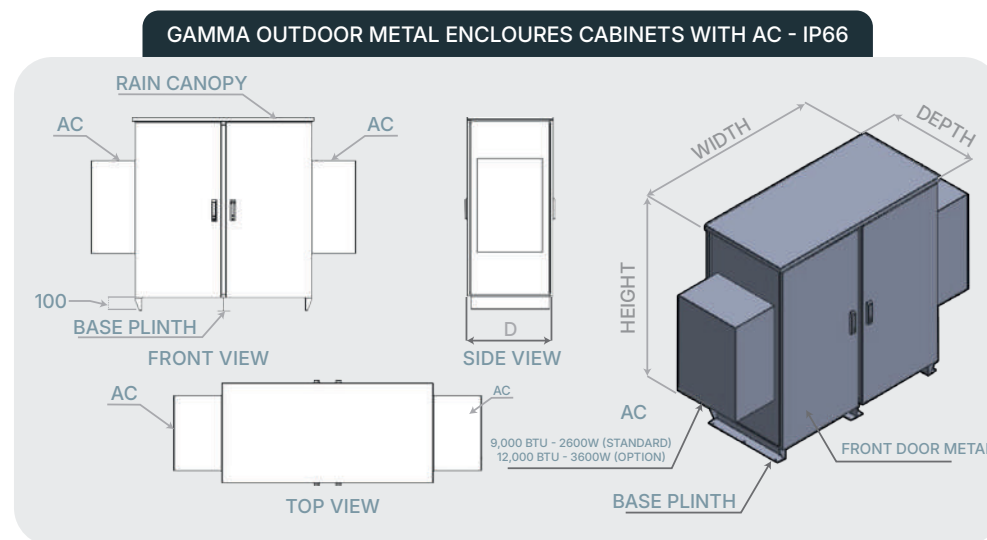
GAMMA OUTDOOR METAL ENCLOSURES CABINETS WITH AC - IP66



GAMMA 19" OUTDOOR IP66 CABINETS WITH AIRCONDITION (2 Unit AC) DOUBLE FRONT AND BACK DOORS

Part Number	Standard Description (W X H X D) mm	Cooling Capacity BTU (W)
GMC-OD-21U-138-2xAC	21U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 21U - 1300 (W)X 800 (D) IP 66 with 4 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 100 mm , Front & Back Double door With Casket & 3-point Handle Lock , Back Door with 2 x AC unit at side , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)
GMC-OD-27U-138-2xAC	27U Outdoor Floor Stand Laser Welded Structure Galvanized Steel Outdoor Cabinet size 27U - 1300 (W)X 800 (D) IP 66 with 4 pair of 19 inch Pillars Double Skin with Insulation , 2 Fan , Base Plinth 100 mm , Front & Back Double door With Casket & 3-point Handle Lock , Back Door with 2 x AC unit at side , Colour Gray RAL 7035 , Saudi Made	9000 BTU (2600 W) Option 12000 BTU (3500 W)

OTHER SIZES AVAILABLE ON REQUEST



GAMMA BATTERY CLOSE CABINETS – CUSTOM MADE DESIGN



GAMMA BATTERY CLOSE CABINETS – CUSTOM MADE DESIGN

◆ Standard Dimensions :

Height : UP to 2200 mm

Width : Sizes available Based on customer Number of Batteries and size

◆ Standard Colour :

RAL 9005
BLACK



RAL 7035
Light Gray



Other colours available
on request



◆ Complying with International Standards:

- ISO 9001-2015
- ISO 14001:2015
- IP20 Protected – Other IP rated Available on Request
- MADE IN KSA



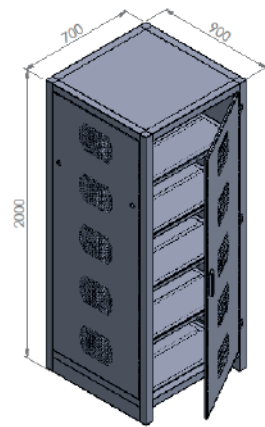
◆ GAMMA BATTERY CLOSE CABINETS – CUSTOM MADE DESIGN SECTION

➤ TECHNICAL DATA:

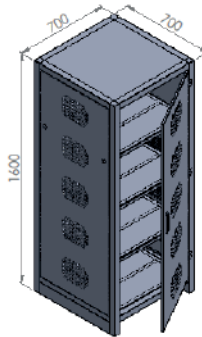
- Gamma Battery close - Custom Made Design
- Heavy Duty Frame and Shelves structure
- Screw Type Assembly
- Static Load up to 1800 kg -
- Shelf static load up to 300 Kg
- Removable Side Panels with perforated for air ventilation
- Removable Back and Front Door with ventilation
- 100 mm Legs
- Powder coated RAL 9005 Black or RAL 7035 Light Gray
- Cable inlet from all shelves
- Custom made design as per battery size and Quantity
- **Made in Saudi Arabia**
- IP 20 protected , other IP rated available on request



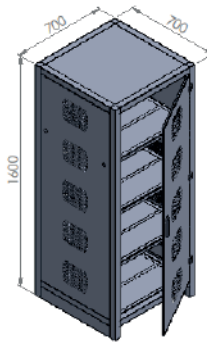
GAMMA BATTERY CLOSE CABINETS –CUSTOM DESIGN



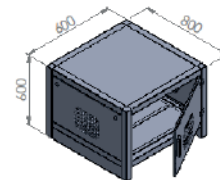
NOTE :- BATTERY SIZE
261 X 168 X 224.5
1 SHELF - 8 PCS BATTERY
5 SHELF - 40 PCS BATTERY



NOTE :- BATTERY SIZE
166 X 175 X 125
1 SHELF - 9 PCS BATTERY
4 SHELF - 36 PCS BATTERY



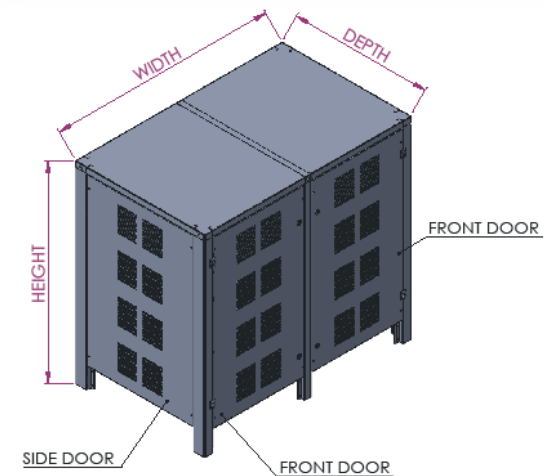
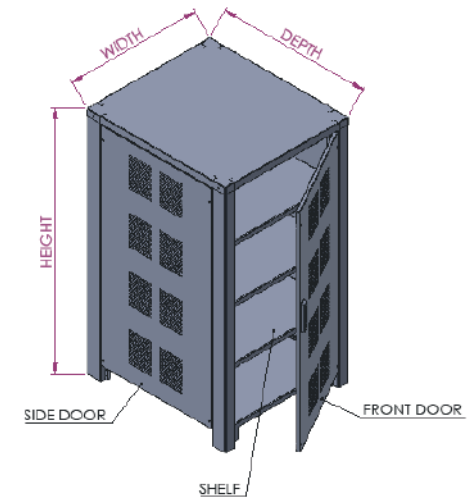
NOTE :- BATTERY SIZE
261 X 168 X 223
1 SHELF - 6 PCS BATTERY
4 SHELF - 24 PCS BATTERY



NOTE :- 350 X 168 X 225
1 SHELF - 3 PCS BATTERY

ALL DIMENSIONS ARE IN MM

TITLE :- BATTERY RACK ASSEMBLY			
DRAWN	SUHAIL		
CHECKED	ENGR. JAMAL		
DATE	16 / 11 / 2020	REV	: 00
SCALE	1:1	SHEET	1/1
LOCATION :- RIYADH, K.S.A			
GAMMA FOR METAL INDUSTRIES			
P.O. BOX: 390395 - RIYADH 11365.			
TEL :- +966 1 2428534 / 2428537			
PAX :- +966 1 2428538			
E-MAIL :- info@gamma.com.sa			



GAMMA CABINETS MANUFACTURED ACCORDING EIA-310 E , ETSI SPECIFICATIONS

Gamma Data Cabinets Fit all 19" Equipments

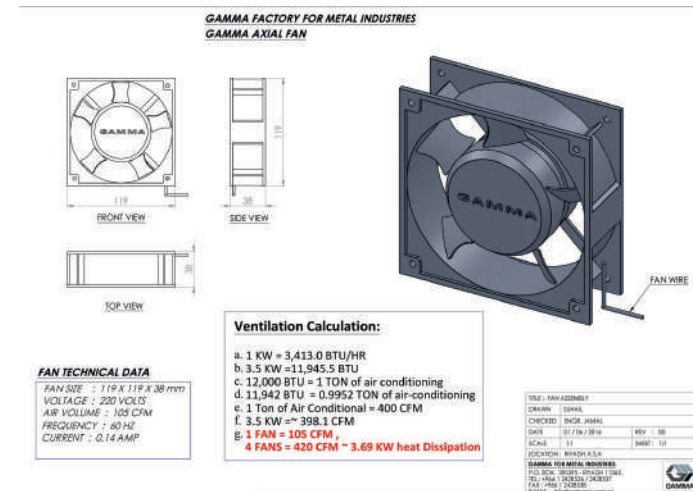
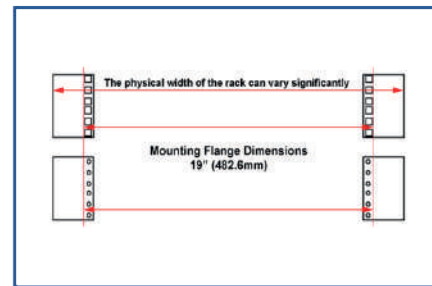
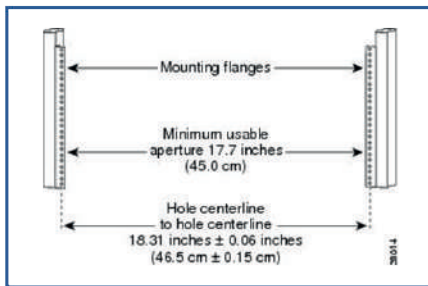
GAMMA NET AXIAL FAN DATA SHEET

GAMMA Ventilation Fan Calculation:

GAMMA Ventilation Calculation as below clarifications:

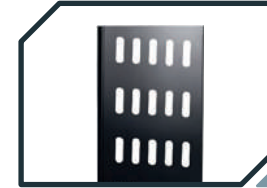
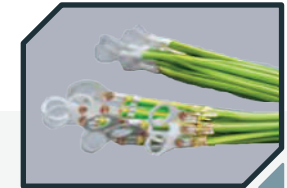
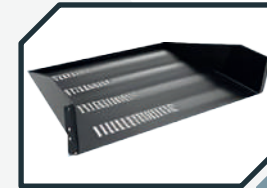
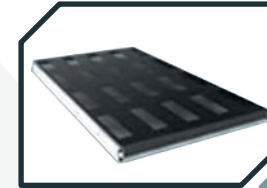
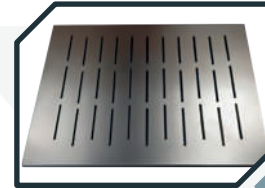
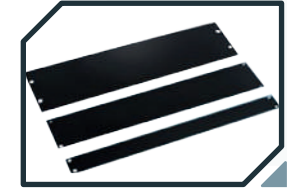
- a. 1 KW = 3,413.0 BTU/HR
- b. 3.5 KW = 11,945.5 BTU
- c. 12,000 BTU = 1 TON of air conditioning
- d. 11,942 BTU = 0.9952 TON of air-conditioning
- e. 1 Ton of Air Conditional = 400 CFM
- f. 3.5 KW = ~398.1 CFM
- g. 1 FAN = 105 CFM, 4 FANS = 420 CFM ~ 3.69 KW heat Dissipation

4 Fans will be enough for 3.5 KW heat.



GAMMA NET RACK CABINETS OPTIONS

Part Number	Description
GMC-SDP-F	Single Door Perforated Front
GMC-SDP-B	Single Door Perforated back
GMC-DDP-F	Double Door Perforated Front 800
GMC-DDP-B	Double Door Perforated Back 800
GMC-DDP-F-60	Double Door Perforated Front 600
GMC-DDP-B-60	Double Door Perforated Back 600
GMC-VCM	Vertical Cable Management for 800 W
GMC-EBB	Earthing Bus Bar – 19" rack mounted
GMC-TH-M	Thermostat for Fans -Mechanical
GMC-EK	Earthing Kit – 10 pcs/set
GMC-HCO	Horizontal Cable Organizer – 19" Mount
GMC-PS	Perforated Side Doors
GMC-GN	Gauge Nut – 20 pcs/set
GMC-FR	Fixed Shelves
GMC-SLS	Sliding Shelf
GMC-7035	Colour Light Gray RAL 7035
GMC-CT	Vertical Cable Tray (2 pcs)
GMC-BP-1U	1U Blank Panel
GMC-BP-2U	2U Blank Panel
GMC-GP	Gland Plate for base covering
GMC-PDU-6W-UK13A	PDU 6 Way UK type 13 Amps
GMC-PDU-UK-6W-16A	PDU 6 Way UK type 16 Amps
GMC-C13-C19-16A	Vertical PDU C13 X 20 , C19 X 4 , 16 A
GMC-C13-C19-32A	Vertical PDU C13 X 20 , C19 X 4 , 32 A



SOME OF CONSULTANTS AND MINISTRIES REFERENCE LIST



هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority



CERTIFICATES



REFERENCE LIST

PROJECT	المشروع	PROJECT	المشروع	PROJECT	المشروع	PROJECT	المشروع
The red sea development company	تطوير البحر الأحمر	General Directorate of investigation	المديرية العامة للمباحث	STC WI FI 3G Offloading Project - KASC Jeddah	مدينة الملك عبدالله الرياضية	Schools Infrastructure Development - wave 2	شركة تطوير للمباني TBC
King Abdullah security project KAP1	مركز الملك عبدالله للمقرات الأمنية	The Saudi Central Bank (SAMA)	البنك المركزي السعودي	Ministry of Health - MOH West - MOH ESTERN	وزارة الصحة - المراكز الطبية	Rotana Hotel	فندق روتانا
King Abdullah security project KAP2	مركز الملك عبدالله للمقرات الأمنية	NEOM Hospital	مستشفى نيوم	DIGITAL TRUNKED RADIO SYSTEM WOA	الهيئة السعودية للكهرباء	Plazza in Hotel	فندق بلازا ان
King Abdullah security project KAP2-B	مركز الملك عبدالله للمقرات الأمنية	New Boulevards	البوليفرد - الهيئة العامة للترفيه	Qasem Hospital	مستشفى القصيم	Half Moon Beach Hotel	فندق هاف مون بيتش
King Abdullah security project KAP2-C	مركز الملك عبدالله للمقرات الأمنية	Winter Land	ونتر لاند - الهيئة العامة للترفيه	MOH - PHC	وزارة الصحة - الرعاية الصحية الأولى	Hyat Regency Hotel	فندق حياة ريجنسي
King Abdullah security project KAP4	مركز الملك عبدالله للمقرات الأمنية	City Walk Jeddah	سيني ووك جدة - الهيئة العامة للترفيه	Qasem University Hospital	مستشفى جامعة القصيم	Hilton Garden in Hotel	هيلتون جاردن
Royal Commission for Riyadh City (RCRC)	الهيئة الملكية لمدينة الرياض	Nuclear and Radiological Regulatory	هيئة الوقاية النووية والإشعاعية	Riyadh Metro	مترو الرياض	Park Inn - Jeddah	فندق بارك ان - جدة
Security Force Medical Center (SFMC)	المركز الطبي لقوات الأمن	ARAR AIRPORT	مطار عرعر	General Commission for Survey - Phase 3 & 2	الهيئة العامة للمساحة	Park Inn hotel - JRIYADH	فندق بارك ان - الرياض
200 BED HOSPITAL - TABUK	مستشفى ٢٠٠ سرير - تبوك	VSAT BACKUP HUB FOR SCECO	الهيئة السعودية للكهرباء	General Directorate for Health Affairs	المديرية العامة للشؤون الصحية	Narsis Buder Hotel	فندق ناريسيس بوديل
Hajj Command and Holly Capital Project	مشروع قيادة الحج	National Water Commission (NWC)	الهيئة الوطنية للمياه (NWC)	MOI CCTV Project	مشروع كاميرات المراقبة لوزارة الداخلية	Makan Hotel	فندق مكان
King Salman Hospital	مستشفى الملك سلمان	World Trade Center - WTC	مركز الملك عبدالله المالي	E - learning Project - Tatweer - School Project	مشروع التعليم الإلكتروني	MUNICIPALITY OF MEDINA	بلدية المدينة المنورة
Marriott Executive Apartment	فندق شقق الماريوت التنفيذية	ISLAMIC University	الجامعة الإسلامية	Royal Saudi Navy Force - RSNF	القوة البحرية الملكية السعودية	Tabuk Emirate	إمارة تبوك
South Border Guards Housing	إسكان الحدود الجنوبية	Samsung C&T	سامسونج - رابغ	Saudi Electronic University	الجامعة السعودية الإلكترونية	MUNICIPALITY OF TAIF	بلدية الطائف
AL SALAM PALACE	قصر السلام	AL ULA University	جامعة العلا - جامعة طبية	Royal Saudi Air Force - RSAF	القوات الجوية الملكية السعودية	Eastern Province Emirate	إمارة المنطقة الشرقية
King Abdulla Finance District - KAFC	مركز الملك عبدالله المالي	Imam Moh'd University	جامعة الإمام محمد	Strategic Missile Force - SMF	قوة الصواريخ الاستراتيجية	Security Development and Planning Agency	وكالة التطوير والتخطيط الأمني
Jeddah Islamic Port	ميناء جدة الإسلامي	Prince Satam University	جامعة الأمير سطام	SAIC - RSAF PROJECT - USA	مشروع القوات الجوية الملكية - الولايات المتحدة الأمريكية	Royal Private Affairs	قصور ملكية
Ministry of Municipal and Rural Affairs	وزارة الشؤون البلدية والقروية	Al - Jouf University	جامعة الجوف	King Abdul Aziz Center National Dialogue	مركز الملك عبد العزيز للحوار الوطني	VSAT -COGS	في سات
Building of Secretary of the GCC	مبنى الأمين العام لمجلس التعاون	Hafar Al-Batin University	جامعة حفر الباطن	National Center for Technology Electrical Energy Systems	المركز الوطني لتكنولوجيا أنظمة الطاقة الكهربائية	Technical and Vocational Training Corporation	المؤسسة العامة للتدريب التقني والمهني
Radusson Blue Hotel	فندق راديسون بلو	Taima & Hakel University	جامعة تيماء وحقل	Qassim Emirates	إمارة القصيم	MIFON Project Phase 3	المرحلة 3 MIFON مشروع
National Water Commission (NWC)	الهيئة الوطنية للمياه (NWC)	Hakel University	جامعة حائل	SOIETZ Saudi Organization for Industry	الهيئة السعودية للمدن الصناعية	King Abdullah University Hospital	مستشفى جامعة الملك عبد الله بن عبد العزيز





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