



**AURORA**  
LIGHTING TOWERS

**AURORA LIGHTING TOWERS**  
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SCHEDA TECNICA - TECHNICAL DATA SHEET - FICHE TECHNIQUE

# OMEGA 85-L 4x320 - FF



**Multiled 4x320W**



**8,5 mt. Max Height**



**5000 mq. Lighting Area**



**Hydraulic Lifting**



**350° Rotation**



**Carrello stradale omologato EU**  
**EU homologized road trailer**  
**Chariot homologué EU pour la route**

**Timone Variabile**

*Immagine indicativa – indicative image*

**PRESTAZIONI – FEATURE – PERFORMANCE**

Fari	Floodlights	Projecteurs	<b>4 x 320W Multiled</b>
Area illuminata	Lighting area	Surface éclairée	<b>5000 mq</b>
Lumen	Lumen	Lumen	<b>166200</b>
Temperatura di funzionamento	Operating temperature	Température de fonctionnement	<b>-25°/ 50° C</b>
ON/OFF per ogni faro	ON/OFF each floodlight	ON/OFF chaque lampe	<b>STD</b>
Prese extra	Extra sockets	Extra prise	<b>1 x 16A CEE / 230 V</b>
Tensione	Voltage	Voltage	<b>230V</b>
Frequenza	Frequency	Fréquence	<b>50Hz</b>

**PALO – MAST – MÂT**

Altezza massima	Max height	Hauteur max	<b>8,5 m</b>
Sollevamento	Lifting	Levage	<b>Idraulico - Hydraulic - Hydraulique</b>
Sezioni del palo	Tower Section	Extensions	<b>4</b>
Rotazione	Turning angle	Rotation	<b>350°</b>
Resistenza massima al vento	Max wind rating	Résistance au vent	<b>110 Km/h</b>

**CARRELLO – TRAILER – CHARIOT**

Pneumatici	Tyres	Pneus	<b>185 70 R13</b>
Stabilizzatori manuali	Manual stabilizer	Stabilizateurs manuel	<b>4 + 1</b>
Guide passaggio forche	Forklift pockets frame	Chassis avec passage des fourches	<b>STD</b>
Ganci di sollevamento	Lifting points	Anneaux de levage	<b>4</b>
Dimensioni utili gruppo elettrogeno fino GP33	Space available for genset until GP33	Dimensions disponible pour groupe electrogene jusqu'à GP33	<b>960x1800 mm</b>

**DIMENSIONI E PESO - DIMENSIONS AND WEIGHT - DIMENSIONS ET POIDS**

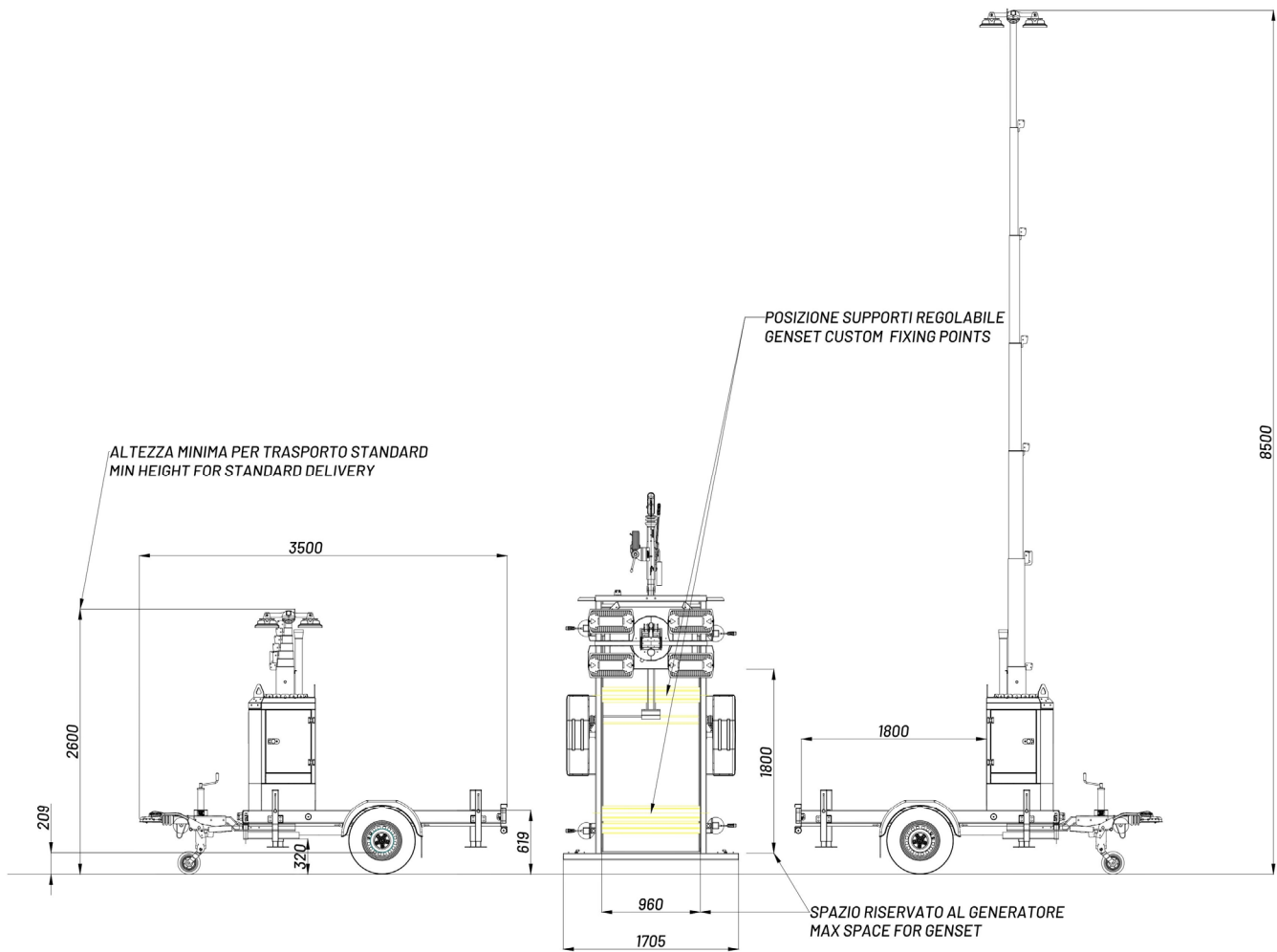
Dimensioni torre chiusa	Retracted dimension	Dimensions de transport	<b>3500x1705x2600 mm</b>
Dimensioni torre aperta	Max dimension working mode	Dimensions ouvert	<b>3500x1705x8500 mm</b>
Peso	Weight	Poids	<b>N.A.</b>





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- Le specifiche tecniche sono soggette a variazioni senza preavviso
- The technical specifications are exposed to alterations without notice
- Nous nous réservons le droit de changer les spécifications techniques sans préavis



**Accessori – RUOTA DI SCORTA**



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**SCHEDA TECNICA / TECHNICAL DATA SHEET / FICHE TECHNIQUE / FICHA TECNICA**

# GP11 S/K-SV- 230V

1500 rpm - 50 Hz  
 1800 rpm - 60 Hz  
**KOHLER**

**3<sup>ph</sup>**

Trifase  
 Three phase  
 Triphasé  
 Trifásico



Raffreddato ad acqua  
 Water cooled  
 Refroidi à eau  
 Refrigerado por agua



Motore Diesel  
 Engine Diesel  
 Moteur Diesel  
 Motor Diesel

**KOHLER**



PRESTAZIONI DEL GRUPPO	EQUIPMENT SPECIFICATION	PERFORMANCES DU GROUP	PRESTACIÓN DELGRUPO	50Hz
PRP	PRP	PRP	PRP	<b>8 kW</b>
LTP	LTP	LTP	LTP	<b>8,8 kW</b>
Tensione disponibile ai morsetti	Voltage available to the terminals	Voltage disponible aux bornes de sortie	Tensión disponible a la bornera	<b>230 V</b>

According to the following directives:

Machinery directive: 2006/42/EC  
 Low Voltage Directive: 2014/35/UE  
 CEM Directive: 2014/30/UE  
 Noise directive: 2000/14/EC  
 Ratings definitions according to ISO8528-1:2005  
 Reference conditions: Altitude: 100 m / Temperature: 30 °C / Relative humidity: 30%

Standards  
 Application, ratings and performance of generating set : ISO 8528 – 1 à 10  
 Application, ratings and performance of generating set : EN 12601

**PRP** - Prime Power: It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24 h of operation shall not exceed 70 % of the prime power. A 10% overload capacity is available for a period of 1 hour within a 12-hour period of operation.

**LTP** - Limited-Time running Power: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

Datas can experience variations up to ±5%



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# KOHLER

MOTORE	ENGINE	MOTEUR	MOTOR	50Hz
Costruttore e tipo	Brand and model	Constructeur et modèle	Constructor y tipo	<b>Kohler KDW 1404</b>
Regolatore di giri	Governor type	Régulateur de tours	Regolator de giros	<b>Meccanico Mechanical Mécanique Mecánico</b>
Batteria al piombo	Lead acid batteries	Batterie de mise en marche au Pb	Batería en plombo	<b>12V 55Ah</b>
Livello di emissioni	Emission level	Niveau d'émissions	Nnivel de emisiones	<b>STAGE V</b>
Potenza Max	Max power	Puissance max	Potencia max	<b>16 Hp</b>
N. giri/min	R.P.M.	N. tours/min.	N. giros/min.	<b>1500</b>
N. cilindri	Cylinders	N. cylindres	N. cilindros	<b>4</b>
Cilindrata	Displacement	Cylindrée totale	Cilindrada	<b>1372 cc</b>
Consumo specifico al 75% del carico	Fuel consumption at 75% of load	Consommation spécifique à 75% de la charge	Consumo de combustible al 75% carga	<b>2,5 L/h</b>

According to the standards : ISO 3046 / BS 5514 / DIN 6271



ALTERNATORE	ALTERNATOR	ALTERNATEUR	ALTERNADOR	50Hz
Costruttore e tipo	Brand and model	Constructeur et modèle	Constructor y tipo	<b>MECC ALTE ECP3 1L/4</b>
Sincrono con regolazione elettronica della tensione	Synchronous with electronic governor voltage	Synchrone avec régulation électronique de la tension	Sincronico con regulación electrónica de la tensión	<b>±1%</b>
N° poli	Pole	N° pôles	N° polos	<b>4</b>
Classe aumento di temperatura	Temperature rise class	Class de échauffement	Clase de aumento de la temperatura	<b>H</b>
Classe isolamento statore/rotore	Stator/rotator insulation	Classe isolation stator/rotor	Clase de aislamiento estador/rotor	<b>H</b>
Grado di protezione	Protection level	Degré de protection	Grado de protección	<b>IP23</b>
Potenza continua	Continuous power	Puissance continue	Potencia continua	<b>8kW</b>

According to the standards : EN 60034-1 / VDE 0530 / IEC 60034-1 / BS 4999-5000



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# GP11S/KW



*Sovrapponibili per trasporto*  
*Overlapping for transport*  
*Empilables pour le transport*  
*Apaillables para el transporte*

## VERSIONE SILENZIATA

Telaio autoportante elettrosaldato in acciaio al carbonio con serbatoio giornaliero integrato	Uscita gas di scarico dall'alto con parapioggia
Verniciatura a liquido RAL 9005	Gancio di sollevamento centrale smontabile
Tappo rifornimento serbatoio carburante con chiave esterno alla cofanatura	Apertura con tappo sul tetto della cofanatura per rabbocco liquido refrigerante
Tappo di drenaggio serbatoio carburante sotto al telaio	Quadro elettrico laterale con sportello di protezione dotato di oblò e di chiave di chiusura
Piedini / tasche per sollevamento con carrello elevatore	Protezione antipioggia con canalina superiore e guarnizione a palloncino anti acqua
Foro per fissaggio gruppo al suolo sui piedini	Passaggio cavi sulla parte inferiore dello sportello con flap in gomma
Supporti antivibranti tra motore/alternatore e telaio di serie su tutti i gruppi elettrogeni	Tasca porta documenti interna allo sportello quadro
Robusta cofanatura super insonorizzata IP23 monoblocco in lamiera di acciaio al carbonio spessore 20/10 piegata e elettrosaldata	Ampie porte laterali con canalina parapioggia e guarnizioni a palloncino anti acqua
Bulloni e rivetti di fissaggio in acciaio inox	Porte dotate di robuste cerniere e robuste maniglie con serrature a chiave
Verniciatura cofanatura in polvere di poliestere RAL 7035 - spessore 120 ÷ 150 µ	Griglia antipioggia aspirazione aria posteriore
Materiale fonoassorbente in classe 1	Griglia espulsione aria dall'alto
Marmitta residenziale - 30dB(A) interna alla cofanatura	Pannello posteriore smontabile per accesso all'alternatore
Tubo flessibile di scarico coibentato con bende in fibra di vetro e alluminio	Pannello anteriore smontabile per accesso al vano marmitta e radiatore

## SOUNDPROOF VERSION

Heavy-duty electro welded carbon steel frame with integrated daily fuel tank	Rainproof exhaust gas outlet from the top
Liquid painting RAL 9005	Central lifting hook (removable)
Tank cap with key outside the canopy	Cap on the top of the canopy for coolant refilling
Drainage tank cap under the frame	Lateral electric control panel with porthole and key
Forklift truck pockets	Rain protection on panel with rubber gasket
Hole on the legs to fix the genset to the ground	Cables passage on the bottom of the door with rubber flap
Anti-vibration mountings between engine/alternator and frame	Documents pockets inside the door
Strong soundproof canopy IP23 with carbon metal sheet, folded and electro welded thickness 20/10	Large side doors with rain protection and rubber gasket
Stainless steel bolts and rivets	Doors equipped with strong hinges and handles with key lock
RAL 7035 powder painted canopy-thickness 120 ÷ 150 µ	Lateral/ Back rainproof grid for air inlet
Class 1 soundproofing material	Outlet air grid from the top
Residential silencer - 30dB(A) inside the canopy	Rear removable door for easy access to alternator
Flexible exhaust pipe insulated in fiberglass and aluminium bandages	Front removable door for easy access to silencer and radiator

## MODÈLE INSONORISÉ

Châssis autoportant soudé électriquement en acier au carbone avec réservoir intégré	Sortie gaz d'échappement d'en haut imperméable
Peinture liquide RAL 9005	Crochet de levage central démontable
Bouchon de ravitaillement réservoir avec clé à l'extérieur du capotage	Ouverture avec bouchon sur le capotage pour remplissage du liquide de refroidissement
Bouchon de drainage réservoir sous le châssis	Panneau électrique en position latérale équipé d'un hublot de protection et de clé
Béquilles de levage	Protection imperméable avec caniveau supérieur et joint d'étanchéité à ballonnet imperméable
Trou pour fixation groupe au sol sur les béquilles	Passage câbles sur la partie inférieure du panneau avec manigette en caoutchouc
Supports anti-vibrants entre moteur/alternateur y châssis sur tous les groupes électrogène	Poche porte documents à l'intérieur du panneau
Robuste capotage insonorisée IP23 réalisée en monobloc en tôle d'acier au carbone épaisseur 20/10 plié et soudé électriquement	Grandes portes latérales avec caniveau imperméable et joints d'étanchéité à ballonnet imperméables
Boulons et rivets de fixation en acier inoxydable	Portes avec robustes charnières et robuste poignées avec serrures à clés
Peinture du capotage en poudre de polyester RAL 7035 - épaisseur 120 ÷ 150 µ	Grille imperméable aspiration air latérale
Matériel d'isolation acoustique de classe 1	Grille d'expulsion air d'en haut
Pot résidentiel - 30dB(A) à l'intérieur du capotage	Panneau frontal démontable pour accès alternateur
Tuyau flexible d'échappement, isolé par fibre de verre et aluminium	Panneau postérieure démontable pour accès à l'échappement et au radiateur

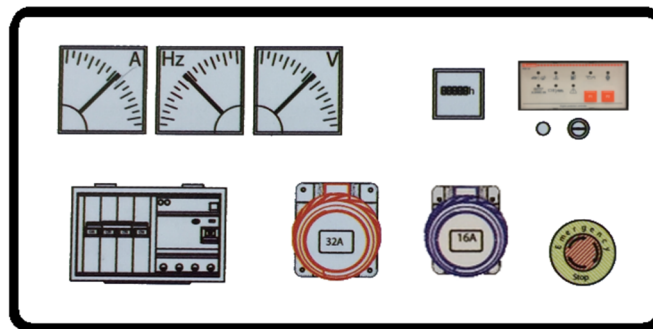
## VERSIÓN SILENCIADA

Chasis electrosoldado en acero al carbono con tanque integrado	Salida gas de escape desde abertura sobre chasis
Pintura en liquido RAL 9005	Gancho de elevación central desmontable
Tapón abastecimiento tanque con llave al exterior de la caja	Abertura con tapón sobre el techo de la caja para reabastecimiento líquido refrigerante
Tapón de drenaje tanque bajo el chasis	Cuadro eléctrico lateral con ventanilla de protección dotado de portillos y de llave de cierre
Pies para levantamiento con carretilla elevadora	Protección antilluvia y guarnición resistente al agua
Foro para fijación grupo al suelo	Paso de cables en la parte inferior de la ventanilla con flap en goma
Soporte antivibratorios entre motor/alternador y chasis	Bolsillo porta documentos interno a la ventanilla del cuadro
Robusta caja insonorizadas IP23 monobloque en chapa de acero al carbono espesor 20/10 plegada y electrosoldada	Amplias puertas laterales antilluvia y guarniciones a globo resistente al agua
Tornillos y remaches de fijación en acero inoxidable	Puertas dotadas de robustas bisagras y tiradores con cerraduras con llave
Pintura caja en polvo de poliéster RAL 7035 - espesor 120 ÷ 150 µ	Rejilla antilluvia, aspiración aire posterior
Material insonorizante en clase 1	Rejilla expulsión aire desde arriba
Silenciador residencial - 30dB (A) al interior de la caja	Panel posterior desmontable que facilita el acceso al alternador
Tubo flexible de descarga recubierto con vendas en fibra de vidrio y aluminio	Panel frontal desmontable que facilita el acceso al vano silenciador y radiador

Tipo cofanatura	Canopy type	Model du capotage	Tipo de caja	<b>T55</b>
Rumorosità a 7 mt.	Sound level at 7 mt.	Niveau de rumorosità à 7 mt.	Nivel de ruido a 7 mt.	<b>62 dB (A) ±3</b>
Serbatoio incorporato nel basamento	Integrated fuel tank	Réservoir carburant intégré	Tanque incorporado en el basamento	<b>70 L</b>
Dimensioni (mm)	Dimensions (mm)	Dimensions (mm)	Dimensiones (mm)	<b>1750x700x1125</b>
Peso (Kg)	Weight (Kg)	Poids (Kg)	Peso (Kg)	<b>1000 kg (ge+ torre)</b>

According to the directive: 2000/14/CE for noise emissions

## QUADRI MANUALI MANUAL CONTROL PANELS TABLEAUX MANUELS DE COMMANDE CUADRO DE CONTROL MANUAL



Interruttore magnetotermico	Magnetothermic circuit breaker	Disjoncteur magnétothermique	Interruptor magnetotermico	<b>2x40A</b>
Differenziale	Earth fault device	Interrupteur différentiel	Interruptor diferencial	<b>0,03 A</b>
Presa	Socket	Prise	Enchufe	<b>CEE 63A 230V 3P</b>
Presa	Socket	Prise	Enchufe	<b>CEE 16A 230V 3P</b>
Centralina manuale	Manual control unit	Unité de commande manuelle	Unidad de control manual	<b>LOVATO RGK 420S</b>
Voltmetro+ commutatore voltmetrico Amperometro Frequenzimetro Contaore	Voltmeter + phase selector switch Ammeter Frequency meter Hours run meter	Voltmètre + inverseur de sources Ampèremètre Fréquence-mètre Compte heures	Voltímetro+conmutador voltímetro Amperímetro Frecuencímetro Cuentahoras	<b>STANDARD</b>
Pulsante di arresto di emergenza	Emergency stop button	Bouton d'arrêt d'urgence	Botón de parada de emergencia	<b>STANDARD</b>



RGK420SA



### Centralina per gruppi ad avviamento manuale

Chiave con 3 posizioni (OFF, start locale, start remoto) rimovibile in posizione OFF e start remoto - Alimentazione: 7...33VDC - Ingressi VAC: Generatore L1-L2-L3-N - Controllo tensione monofase, bifase e trifase - Range misure voltmetriche : 100...480VLL (3PH+N) - Range misura frequenza: 45...65Hz - Ingresso amperometrico: 1PH, /5A or /1A - Display: LCD con icone (52x35mm/2.05x1.38") - Modalità risparmio energetico - Ingressi: 5 negativi + 1 positivo per emergenza - Uscite: 5 positive, 2A, protette - Rilevamento motore avviato: "D+", Hz - Ingressi per velocità motore: "W" o "Pick-up" - 1 ingresso analogico resistivo per pressione olio, temperature motore o livello carburante - Allarmi e parametri in 5 lingue

### Key start control unit

Key with 3 positions (OFF, local start, remote start) removable in OFF and remote start position - Power supply: 7...33VDC - VAC inputs: Generator L1-L2-L3-N - Single, two and three phase voltage control - Rated measurement voltage range: 100...480VLL (3PH+N) - Frequency measurement range: 45...65Hz - Current input: 1PH, /5A or /1A - Display: LCD with icons (52x35mm/2.05x1.38") - Powersave mode Inputs: 5 negative + 1 positive for emergency - Outputs: 5 positive, 2A, protected - Engine running detection: "D+", Hz - Engine speed inputs: "W" or Magnetic "Pick-up" - 1 analog ohmic input for oil pressure, engine temperature or fuel level control - Alarm and parameter text in 5 languages

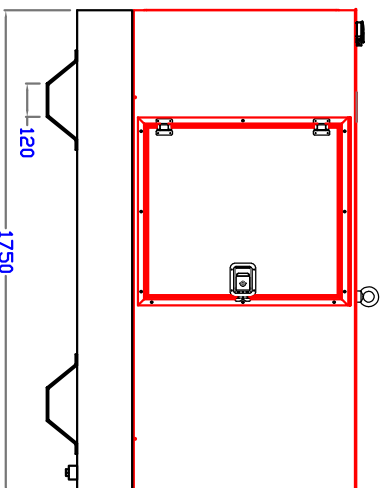
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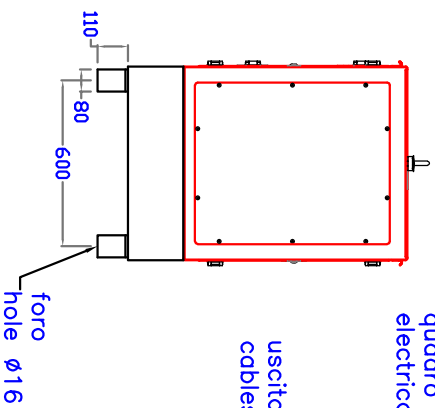
VISTA A  
A VIEW



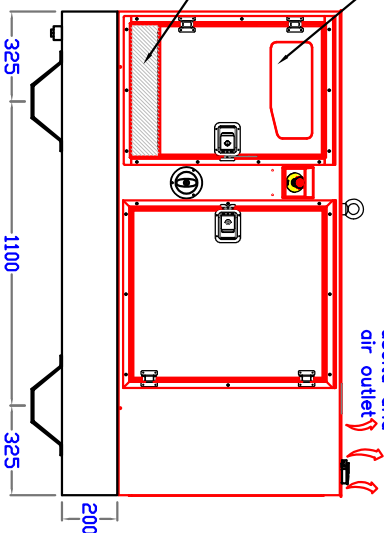
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quadro elettrico  
electrical panel

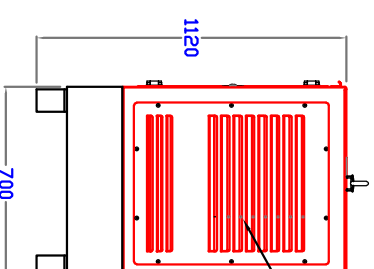
uscita cavi  
cables outlet



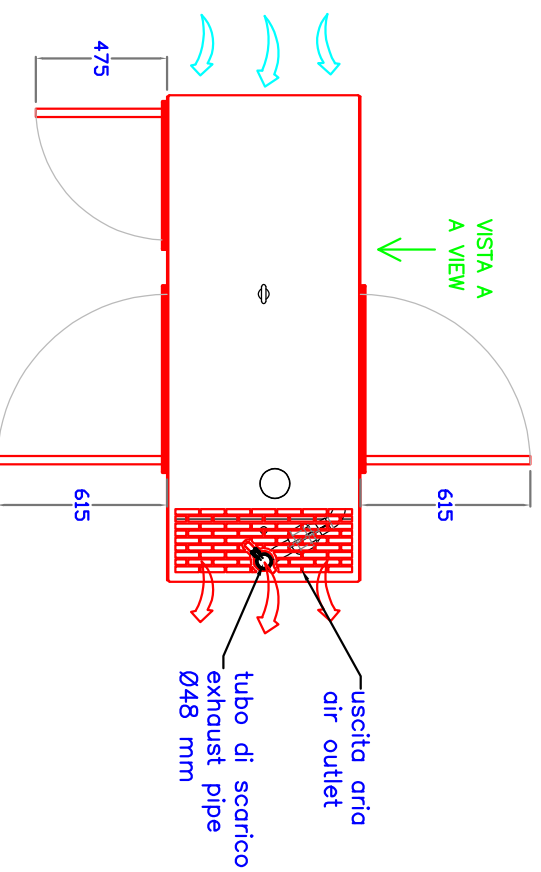
uscita aria  
air outlet



entrata aria  
air inlet



VISTA A  
A VIEW



uscita aria  
air outlet

tubo di scarico  
exhaust pipe  
Ø48 mm