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NOTES

POS	DESCRIPTION								
01	CONTROL PANEL								
02	DOCUMENTS POCKET								
03	OPTION PANEL								
04	RECTIFIER INPUT LINE SWITCH THREE POLES (SWIN)								
05	BY-PASS LINE SWITCH THREE POLES (SWBY)								
06	MAINTENANCE SWITCH THREE POLES (SWMB)								
07	OUTPUT LINE SWITCH FOUR POLES(SWOUT)								
08	FAN TYPE 925m³/h								
09	FAN TYPE 325m³/h								
10	FANS FUSES 4A 500V gG 10x38(FROM F1 TO F7)								
11	10A 230V AUXILIARY OTUPUT(OPTIONAL)								
12	PARALLEL SIGNALS RJ45-FLAT ADAPTER CARD(OPTIONAL)								
13	RJ 45 PARALLEL CONNECTORS								
14	EPO								
15	TERMINAL BLOCK FOR REMOTE SIGNAL								
16	RS232-1(CABLE SUPPLIED L=3m)								
17	RS232-2(CABLE NOT SUPPLIED)								
18	ETHERNET-1 or MULTICOM CARD(OPTIONAL)								
19	ETHERNET-2 or MULTICOM CARD(OPTIONAL)								
20	REMOTE ALARM(OPTIONAL)								
21	REMOTE ALARM(OPTIONAL)								
22	MODEM(OPTIONAL)								
23	MODEM SUPPORTS(OPTIONAL)								
24	BATTERY TEMPERATURE SENSOR(OPTIONAL)								
25	INPUT RECTIFIER BUS BAR(L1A-L2A-L3A)								
26	INPUT BYPASS BUS BAR(L1B-L2B-L3B-N)								
27	BATTERY POSITIVE BUS BAR								
28	BATTERY NEGATIVE BUS BAR								
29	OUTPUT BUS BAR(L1-L2-L3-N)								
30	NEUTRAL BUS BAR								
31	TO BATTERY TEMPERATURE SENSOR								
32	<table><tr><td>INPUT FILTER FUSES 16A 400V gG 10x38.</td><td></td></tr><tr><td></td><td>Nr. 15 for 100-120kVA</td></tr><tr><td></td><td>Nr. 18 for 160kVA</td></tr><tr><td></td><td>Nr. 24 for 200kVA</td></tr></table>	INPUT FILTER FUSES 16A 400V gG 10x38.			Nr. 15 for 100-120kVA		Nr. 18 for 160kVA		Nr. 24 for 200kVA
INPUT FILTER FUSES 16A 400V gG 10x38.									
	Nr. 15 for 100-120kVA								
	Nr. 18 for 160kVA								
	Nr. 24 for 200kVA								
33	MULTI I/O DEVICE KIT(OPTIONAL)								
34	AUX FOR ESTERNAL MBY SWITCH								
35	AUX FOR ESTERNAL LOAD SWITCH								

800

1905

FRONT VIEW

ceiling

826

800

600 mm

wall

500 mm (suggested value)

LATERAL VIEW

800

REAR VIEW

NOTE: 1000mm MINIMUM FRONT DISTANCE TO THE WALL

NOTE: Do not mount lateral base grilles when there are cabinet side by side
Leave at least one of the three sides(right,rear,left)of the cabinet free

Type		MPT NP 100	MPT NP 120	MPT NP 160	MPT NP 200
Power	kVA / kW	100 / 90	120 / 108	160 / 144	200 / 180
Power loss(kW) load 100 / 50%	kW	7,3 / 3,4	8,7 / 4,1	10,8 / 5	13,5 / 6,3
Input phases / Output		3 + N / 3 + N			
Dimensions W x D x H(mm)	(mm)	800x800x1900			
UPS weight	(Kg)	640	650	770	810
Air flow	(m³/h)	2600		3700	
Bearing surface of the cabinet	(m²)	0,043			

DIM.CABLE ADVISED		MPT NP 100	MPT NP 120	MPT NP 160	MPT NP 200
Input (3Ph+N) (*)	(mm²)	70	95	2 X 70	2 X 70
Output (3Ph+N) (*)	(mm²)	50	70	95	120
Battery (+ / -) (**)	(mm²)	120 (2 X 50)	2 X 70	2 X 95	2 X 120
Ground	(mm²)	50	70	95	120

BYPASS SEPARATE CONNECTIONS

Input (3Ph)(*)	(mm²)	70	95	2 X 70	2 X 70
Bypass line(3Ph + N)(*)	(mm²)	50	70	95	120

CABLE

WARNING:

- Size for FG70R "G7 QUALITY HEPR INSULATED" cable type, installed in open air with ambient temperature 30°C with distance up to 50 meters and with voltage drop up to 2%. In case of connections with longer distances it needs to increase cables size in order to avoid higer voltage drop.

- Read the user manual before connecting to the supply

(*) For each phase

(**) For each pole

MPT NP 100 - 200

EDIT.	F.MASTROPASQUA	APPR.	F.AMODEO	DATA:	19/07/2011	DRAW. No	REV.
VARIATION: Add manual						OMNMPTM10NPENIA	00
REPLACE: OMNMPTM10RUENIA 00						PAG.1 di 4 CONT. /	

NOTE : INSTALLATION DRAWING

TITLE:MAN MPT NP 100-200-HC DRW EN
UPS MPT NP 100-200 kVA

Outlet air

Inlet air

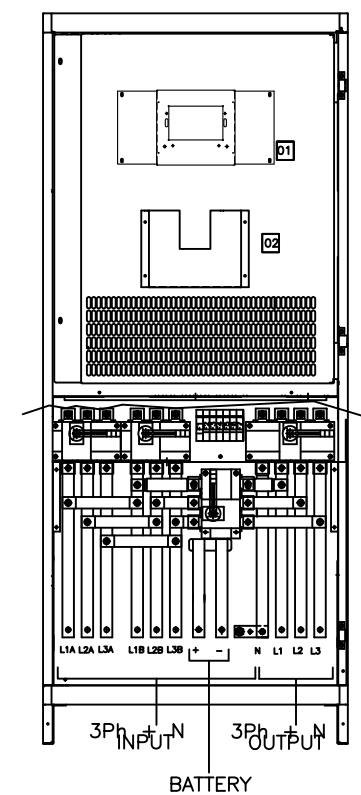
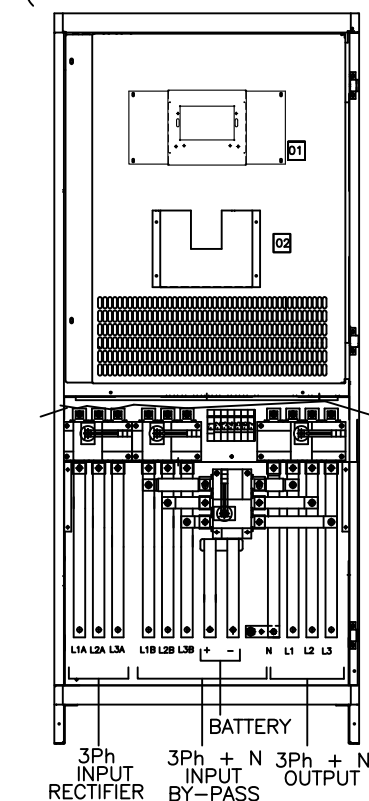
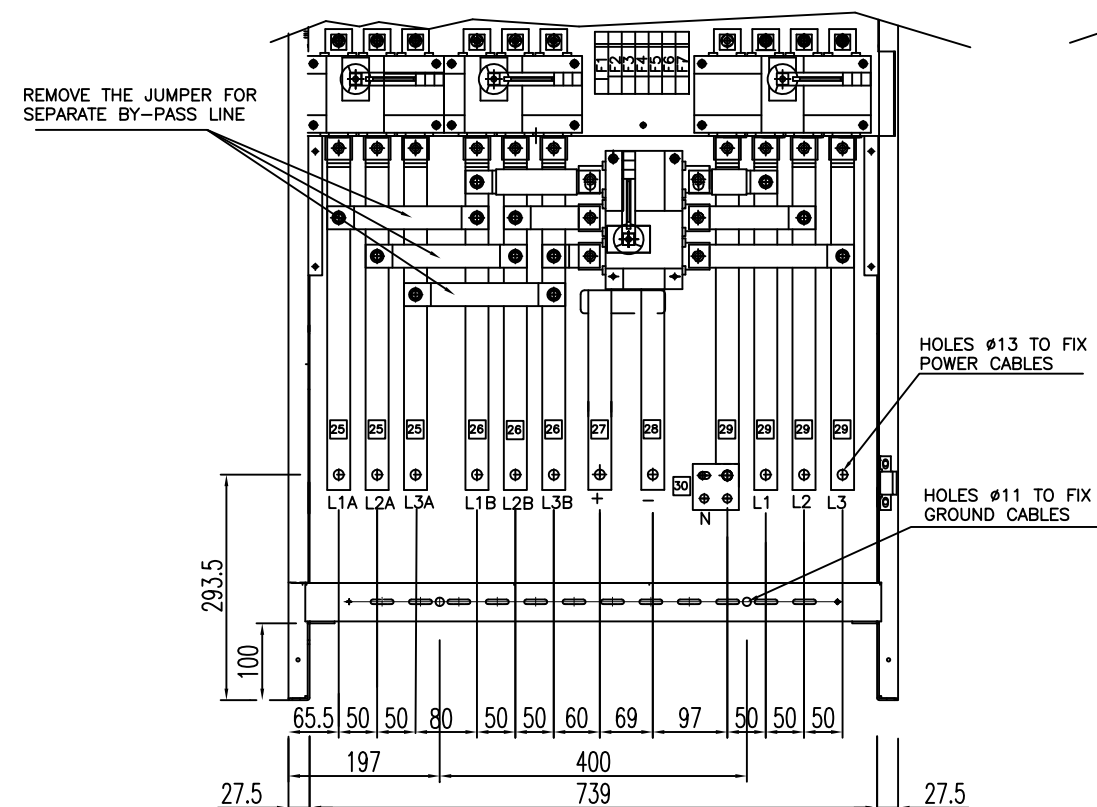
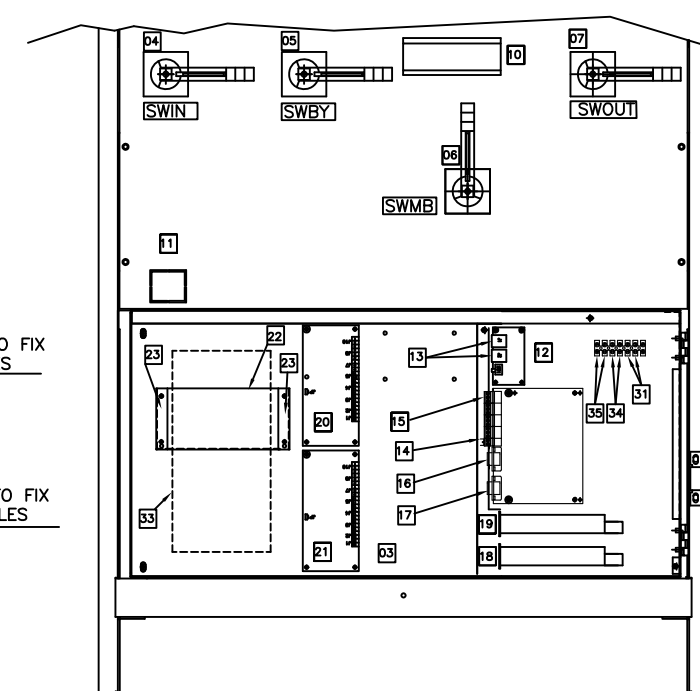
High temperature rise may occur if the minimum value indicated is not maintained above the UPS

1528

80

CART ISO_A3

SINGLE LINE INPUT

DOUBLE LINE INPUT
(BY-PASS SEPARATE)POWER CONNECTIONS
DETAIL (A)SIGNAL CONNECTIONS
DETAIL (B)

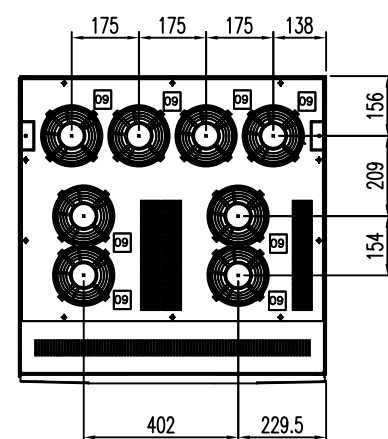
[15] =SEE THE USER MANUAL FOR CONNECTION CABLE.

[18] =USE TYPE NETMAN 102 or MULTICOM 352 or MULTICOM 302(*)

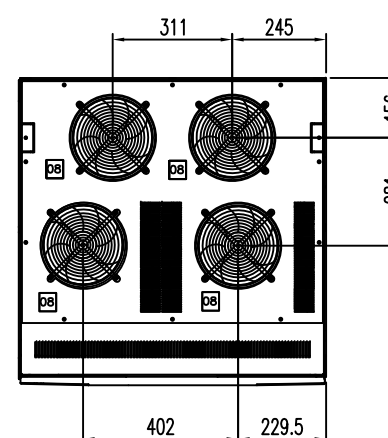
[19] =USE TYPE NETMAN 102 or MULTICOM 352 or MULTICOM 302(*)

(*):THE ETHERNET OR MULTICOM PORT ARE CONNECTS TO THE RS232 PORT 15-16,THE CARDS USE PREVENTS THE UTILIZE OF THE RS232 PORT

TOP VIEW

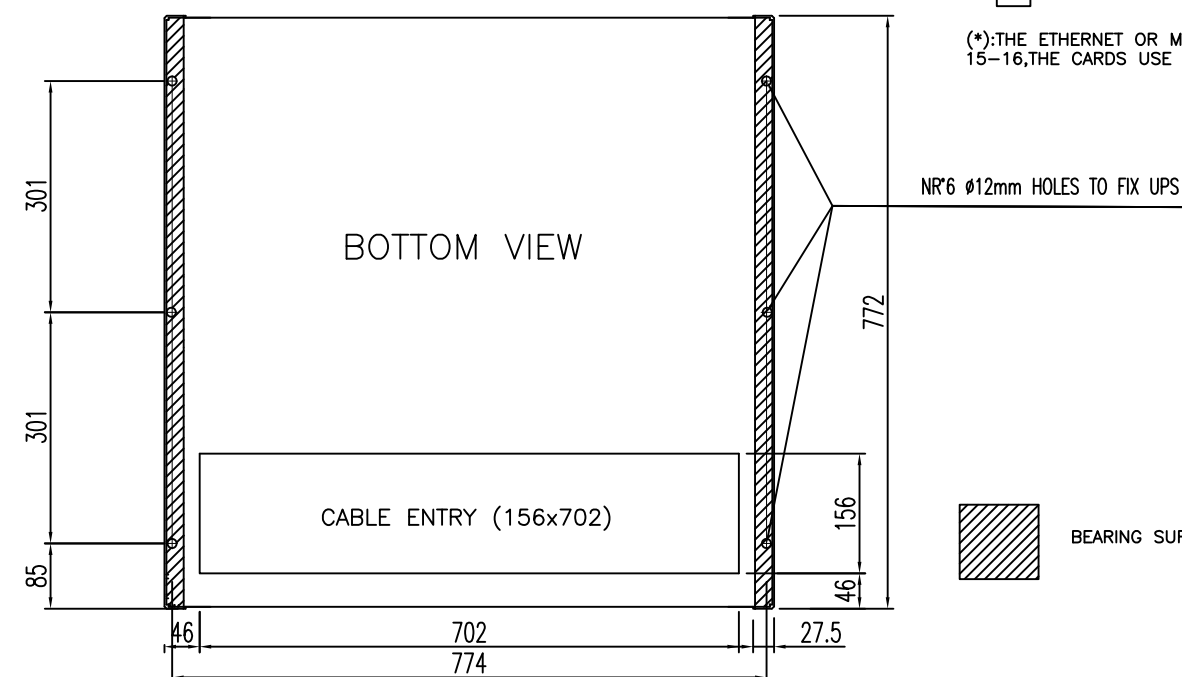


MPT NP 100-120kVA

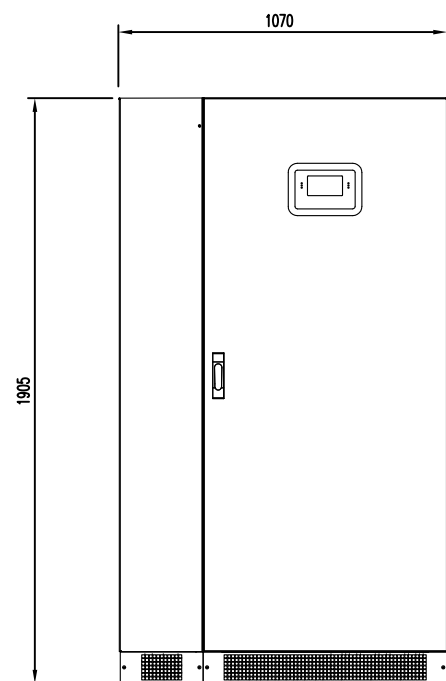


MPT NP 160-200kVA

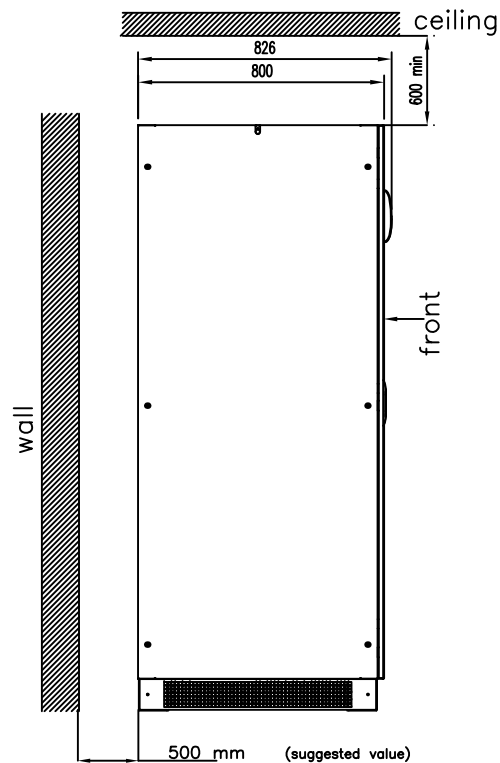
BOTTOM VIEW

**MPT NP 100 - 200**

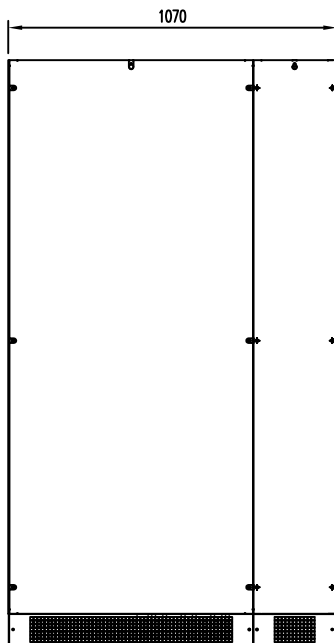
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NOTE : INSTALLATION DRAWING				TITLE:MAN MPT NP 100-200-HC DRW EN UPS MPT NP 100-200 kVA			



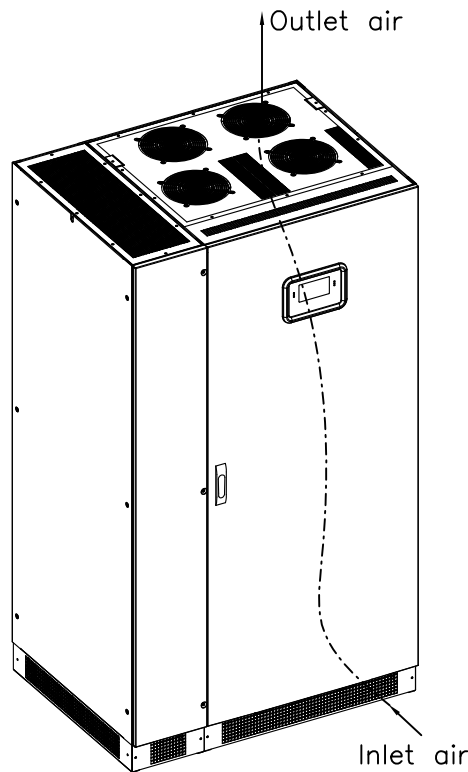
FRONT VIEW



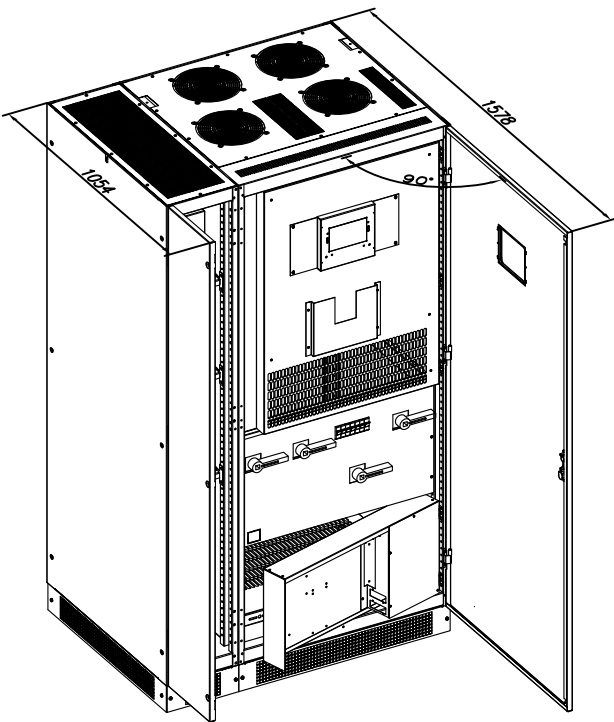
LATERAL VIEW



REAR VIEW



High temperature rise may occur if the minimum value indicated is not maintained above the UPS



NOTE: 1000mm MINIMUM FRONT DISTANCE TO THE WALL

NOTE: Do not mount lateral base grilles when there are cabinet side by side
Leave at least one of the three sides(right,rear,left)of the cabinet free

		MASTER MPS SERIES			
Type		MPT NP 100 HC	MPT NP 120 HC	MPT NP 160 HC	MPT NP 200 HC
Power	kVA / kW	100 / 90	120 / 108	160 / 144	200 / 180
Power loss(kW) load 100 / 50%	kW	7,8 / 3,6	9,4 / 4,4	11,7 / 5,4	14,6 / 6,8
Input phases / Output		3 + N / 3 + N			
Dimensions W x D x H(mm)	(mm)	1070x800x1900			
UPS weight	(Kg)	820	830	941	1000
Air flow	(m ³ /h)	2600		3700	
Bearing surface of the cabinet	(m ²)	0,086			

DIM.CABLE ADVISED		MPT NP 100 HC	MPT NP 120 HC	MPT NP 160 HC	MPT NP 200 HC
Input (3Ph+N) (*)	(mm ²)	70	95	2 X 70	2 X 70
Output (3Ph+N) (*)	(mm ²)	50	70	95	120
Battery (+ / -) (**)	(mm ²)	120 (2 X 50)	2 X 70	2 X 95	2 X 120
Ground	(mm ²)	50	70	95	120

BYPASS SEPARATE CONNECTIONS

Input (3Ph)(*)	(mm ²)	70	95	2 X 70	2 X 70
Bypass line(3Ph + N)(*)	(mm ²)	50	70	95	120

CABLE

(*) For each phase
(**) For each pole

WARNING:
- Size for FG70R "G7 QUALITY HEPR INSULATED" cable type, installed in open air with ambient temperature 30°C with distance up to 50 meters and with voltage drop up to 2%. In case of connections with longer distances it needs to increase cables size in order to avoid higer voltage drop.
- Read the user manual before connecting to the supply

MPT NP 100 - 200 HC

	EDIT.	F.MASTROPASQUA	APPR.	F.AMODEO	DATA:	17/07/2011	DRAW. No	REV.
	VARIATION:						OMNMPTM1ONPENIA	00
	REPLACE:						PAG.3 di 4	CONT. /
NOTE : INSTALLATION DRAWING					TITLE:MAN MPT NP 100-200-HC DRW EN UPS MPT NP 100-200 kVA HC			

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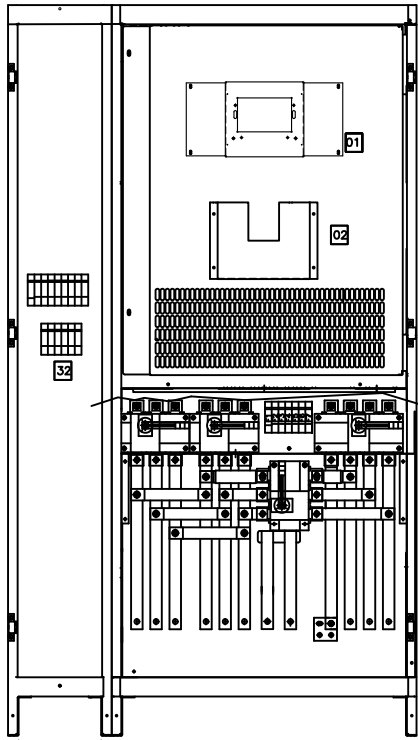
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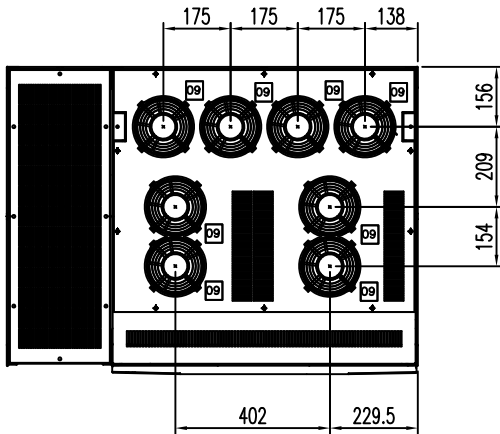
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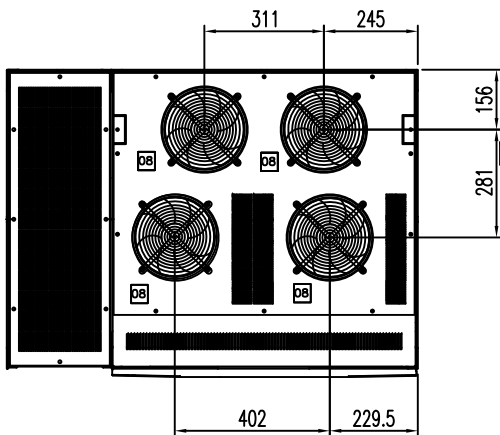


FOR POWER AND SIGNAL CONNECTIONS
SEE PAGE NR°2

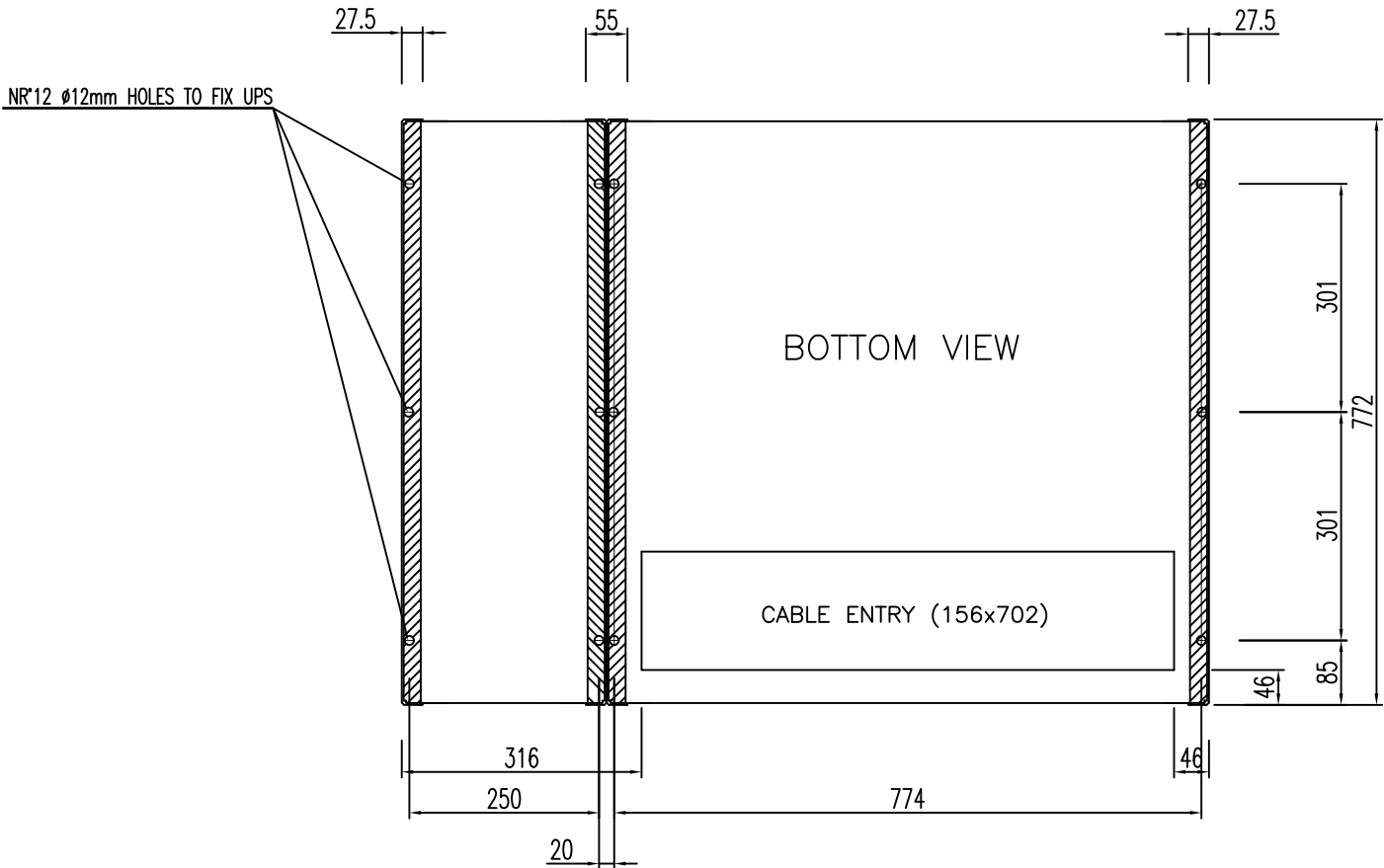
TOP VIEW



MPT NP HC
100-120kVA



MPT NP HC 160-200kVA



BOTTOM VIEW

CABLE ENTRY (156x702)

BEARING SURFACE OF THE CABINET

MPT NP 100 - 200 HC

	EDIT.	F.MASTROPASQUA	APPR.	F.AMODEO	DATA: 17/07/2011	DRAW. No	REV.
	VARIATION:					OMNMPTM10NPENIA	00
	REPLACE:					PAG.4 di 4	CONT. /
NOTE : INSTALLATION DRAWING					TITLE:MAN MPT NP 100-200-HC DRW EN UPS MPT NP 100-200 kVA HC		