

CM-HY-288-120/110 SMC CROSS CONNECTION OUTDOOR CABINET – 1/2 DOORS

FEATURES

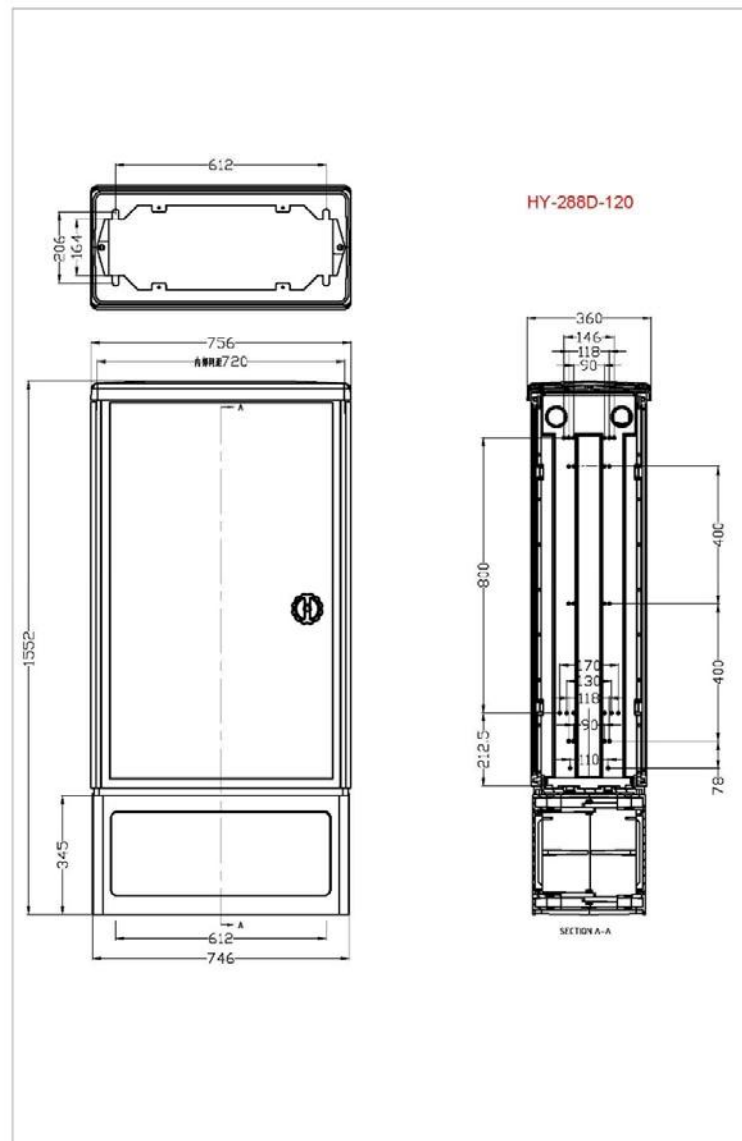
- Weather resistant Outdoor Cabinet made of New-Style compound SMC.
- The frame is attributed with excellent performance of Anti-Corrosion and Anti-Aging – Its life is more than 30 years
- The frame with inner and outside convection passage has function of against vapour coagulation
- The rabbet-joint structure and auxiliary air-proof parts are applied on the board of the cabinet door, so the frame is with good airproof performance to defend against rain, dust and worm
- The security level reaches the requirements of GB4208-IP65 class.
- The security is guaranteed by the measures of three-point orientation lock on the frame and door, it is safe and reliable.
- The parts is rational in size, inside space is commodious
- No condensation inside the cabinet





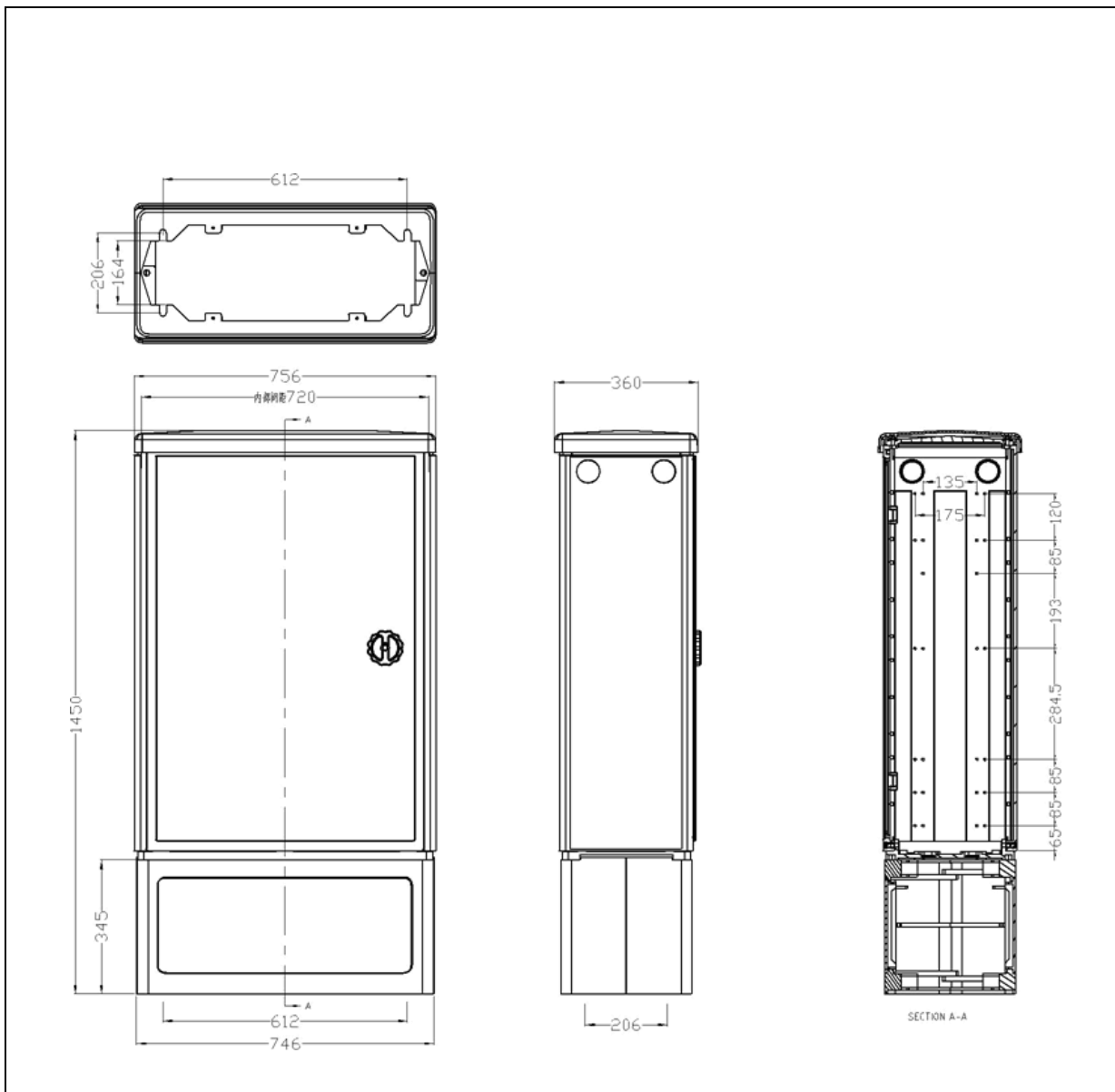
DIMENSIONS

Outer Dimension : 750x600x1200 mm - without base



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TECHNICAL DATA

- Grade of defence : GB4208-IP65
- Flame resistance : FVO Level
- Insulate resistance : $2 \times 10^4 \text{ M}\Omega$ 500V(DC)
- Environment temperature : $-40\text{C}^\circ + 60\text{C}^\circ$
- Burden value : EXTERIOR>980N GEMEL>20
- Relative humidity : <95%(+40C^o)

MATERIAL INFORMATION

TYPE : CM-HY-288-120/110

PROCESSING INFO

Way of confectioning : Pressing

Hardening Time: 40s/mm

Pressing Temperature : 135-160 °C

Min. Pressure: 100Kg/cm²

Validity: Two months (under 25 °C)

PROPERTIES

ITEM	UNIT	TESTING	INDEX
Color	/	Eye Survey	According to color disk
Outer Surface	/	Eye Survey	Qualified
Density	g/cm ³	GB1033	1.82
Water absorption	%	JB3961	0.1
Shrinkage	%	JB3961	0.15
Impact Strength	Mpa	GB1043	≥95
Tensile Strength	Mpa	GB1043	125

Flexural Strength		Mpa	JB3961	245
Insulating resistance	Natural	Ω	GB10064	$\geq 1.0 \times 10^{13}$
	24h in water			$\geq 1.0 \times 10^{12}$
Dielectric Strength		K v/mm	GB1048	≥ 12
Arc resistance		S	GB1411	≥ 12
Tracking resistance (PTI)		/	GB4207	≥ 600
Flame Resistance		/	UL	V0

CAPACITY

ITEM REF.	CAPACITY	CASING TYPE	CONNECTION MODULE		
	PAIR		MODULE	REF.	CONNECTION TYPE
CM-HY-288-120-1D-C3	1200P - 1600P	HY-288-120-1D	CM-KRONE	FT2-01	DISCONNECTION - CAT3
CM-HY-288-120-1D-C5	1200P - 1600P		CM-KRONE	TMK5-10	DISCONNECTION - CAT5
CM-HY-288-120-1D-RM	1600P - 2000P		VS-R&M	R300044	DISCONNECTION - CAT3
CM-HY-288-120-2D-C3	2400P - 3200P	HY-288-120-2D	CM-KRONE	FT2-01	DISCONNECTION - CAT3
CM-HY-288-120-2D-C5	2400P - 3200P		CM-KRONE	TMK5-10	DISCONNECTION - CAT5
CM-HY-288-120-2D-RM	3200P - 4000P		VS-R&M	R300044	DISCONNECTION - CAT3

PC & SMC COMPARISON SHEET

PC & POLYESTER SMC COMPARISON SHEET				
SPECS	UNIT	POLYESTER SMC	PC	REMARKS
Density	g/cm ³	1.75-1.85	0.95	
Tensile Strength	N/mm ²	125	40	On all strength property, SMC cabinet is over 3 times better than PC cabinet. When the cabinet is attacked, strength is very important because it decides whether the telecom accessories inside the cabinet can be protected or not.
Break Elongation	%	1.2	4	
Bending Strength	N/mm ²	245	70	
Tensile module	N/mm ²	12500	1800	
Bending module	N/mm ²	16415	2200	
Impact Strength	Kj/m ²	95	Deformed	
Protection against horn-like attack	-	Very Good	Poor	PC Cabinet can't defend attacks from horn - like objects So, a horn - like object can damage accessories inside the PC cabinet
Dielectric Strength	Kv/mm	20	10	
Surface resistance	Ω	10 ¹³ -10 ¹⁴	10 ¹³ -10 ¹⁵	SMC and PC is similar on surface resistance
Volume resistance	Ω	10 ¹⁴ -10 ¹⁵	10 ¹⁴ -10 ¹⁶	SMC and PC is similar on surface resistance
Thermo conductivity	w/m k	0.15-0.3	0.17-0.3	SMC and PC is similar on thermos conductivity
Water absorption	%	0.1-0.15	0.15	
Corrosion proof	-	Very Good	Very Good	
Chemical stability – salt spray Bending Strength remain	%	Over 90	90	
Chemical stability – fat/oil spray Bending Strength remain	%	Over 90	90	
Chemical stability – UV light Impact Strength remain	%	Over 90	90	
Resistance to tropical conditions	-	Very Good	Easy to be weathered	
Corrosion proof needed?	-	No	Depends	SMC is the best material for corrosion proof which is widely used in chemical factories
Recycling possibility	%	100	100	Recycling already being applied in many countries
Life time in outdoor	years	Over 30 years	less than 10 years	PC is easily to be weathered under UV light
Fire resistance(UL-94)		V0-5VA	V1 (lower than V0)	To get V0 class PC, there will be much more cost

