

TECHNICAL SPECIFICATION No: 20'GP/24T/HD

Manufacturer Name: **HUNG DAO CONTAINER JOINT STOCK COMPANY**
105/9B Dien Bien Phu St, Ward 17, Binh Thanh Dist, HCM City, VN

1. Construction.

No.	Item No.	Container 20'GP
1	Type of container	ISO 1CC
2	Max gross weight	24,000 kgs – 52,913 lbs
3	Tare weight	1,850 kgs – 4,079 lbs
4	Payload	22,150 kgs – 48,834 lbs
5	Cubic capacity	33.2 m ³
6	Internal dimension	5,900(L) x 2,350(W) x 2,395(H)
7	External dimension	6,058(L) x 2,438 (W) x 2,591 (H)
8	Corner fittings	I.S.O./1161 standards : Qty : 1 set (8pcs)
9	Bottom side rail	162x30x50x4.5 mm : Qty : 2 pcs
10	Cross member	Small ones: 122x45x40x3.0 mm Qty. : 16pcs Large ones: 122x75x40x4.0 mm Qty. : 2pcs Gusset: 4.0 mm Qty. : 8pcs
11	Fork Pocket	Top plate: 2,330 x 360 x 3.0 mm : Qty.: 2pcs Strap: 200x6.0mm : Qty.: 4pcs Mouth gusset: 3.0 mm Qty.: 4pcs
12	B.S.R. Reinforcement	200x80x6.0mm Qty.: 4pcs
13	Floor boards	2,093 x 1,160 x 28mm : Qty : 2 sheets 2,084 x 1,160 x 28mm : Qty : 2 sheets 1,430 x 1,160 x 28mm : Qty : 2 sheets Apitong plywood with 19 veneers (BASILEUM-SI/84)
14	Arrangement and fixing	Floor center rail: 5,610 x 2.3 mm Qty.: 1pc (If equipment) Self-tapping screw M45 : 210pcs Dia. 6 mm, Head Dia. 12 mm
15	Front bottom end rail	Front rail: 4.5mm Qty.: 1pcs Gusset: 4.0 mm Qty: 4pcs Channel steel: 198x75x6.0 mm Qty.: 2pcs
16	Front corner post	4.5 mm thick pressed steel section Qty : 2pcs
17	Top end rail	“Z” shape pressing steel plate 4.0 mm Qty.: 1pc
18	Front end wall	Thickness : 1.6 mm Qty : 2 sheets Corrugation dimension: Outer face: 110 mm; Depth: 45.0 mm Inner face: 104 mm ; Slope : 18 mm
19	Door sill	Door sill: 4.0 mm Slope: 12 mm Qty : 1pc Gusset: 4.0mm Qty. : 4pcs Channel section : 198x75x6.0 mm Qty. : 2pcs
20	Corner post	Inner part: 113x40x6 mm Qty : 2pcs Outer part: 4.5 mm Qty : 2pcs
21	Door leaves	1/Door panel: 5 corrugations Qty : 2 sheets Depth: 36 mm Outerface: 72 mm Slope: 68 mm Panel thickness: 1.6 mm 2/Door frame : Vertical door member: 50x100x2.5 mm Qty : 04 pcs Horizontal door member : 50x150x2.5 mm Qty : 04pcs
22	Door header	Door header: 4.0 mm Qty.: 1pc Gusset : 4.0 mm Qty.: 4pc

23	Top side rail	60x60x2.5 mm thickness steel square tube : 5,740mm Qty : 02pcs
24	Side wall	All panel: 1.6 mm thickness ; Qty. : 6 sheets Trapezium : Outer face : 72 mm ; Slope : 68 mm Inner face : 70 mm ; Depth: 36 mm Pitch : 278 mm
25	Roof	Roof panel : 5 corrugations Corrugation shape : Depth : 20 mm ; Pitch: 209 mm Inner face : 91 mm ; Slope : 13.5 mm Outer face : 91 mm Camber upwards : 6 mm Panel thickness : 1.6 mm Sheet Qty. : 5 Pcs
26	Roof reinforcement plate	300 x 280 x 3.0 mm Qty : 4pcs
27	Door gasket	Type J Qty : 1 set
28	Retainer gasket	SUS 304 1 set
29	Ventilator	ABS plastic Qty : 2pcs
30	Locking device	1 set
31	PU Sealant	10pcs
32	Remark	Decal Qty 1 set
33	CSC plate	SUS 304 Qty 1 pc
34	Hinge	8 pcs
35	Complete locking bars with cam & keeper security type	Dia 34 x 2.5mm – Painting 75(μ) 1 set
36	Stainless steel rivet	SUS 304 - M2 x 5mm Qty : 100pcs
37	Bolt and nuts	Dia 12 M3 Qty 45 pcs
38	Welding Wire	Dia 0.8mm Qty : 30Kgs

2. Coating

Process	Paint name	Min. DFT (μ)	Supplier
Exterior surface	Epoxy zinc rich primer * Qty 20L	30 Incl. Shop primer	KCC or Hempel or Chugoku
	Epoxy zinc phosphate prime Qty 20L	30	
	Vinyl Acrylic paint Qty 20L	30 approx. 30% gloss	KCC or Hempel or Chugoku
	Total : 90		
Interior Surface	Epoxy zinc rich primer * Qty 20L	30 Incl. Shop primer	KCC or Hempel or Chugoku
	Oil and acid resistant Epoxy high build Qty 20L	30	KCC or Hempel or Chugoku
	Total : 60 (Door inside 110)		
Under Structure	Epoxy zinc rich primer * Qty 10L	30 Incl. Shop primer, steel parts only	KCC or Hempel or Chugoku

	Undercoating 30L	120	KCC or Hempel or Chugoku
	Total : 150		

3. Material

The main materials used in construction are as follows:

WHERE USED

Front End Assembly:

Front corner post	SS400
Front sill	SS400
Front panel	SS400
Front header	SS400
Gusset	SS400
Corner fitting	SCW480
Lashing bar	SS400

Base Assembly

Bottom side rail	SS400
Cross member	SS400
Center rail	SS400
Forklift pocket	SS400
Forklift pocket gusset	SS400
Gusset	SS400

Rear End Assembly

Rear corner post (outer)	SS400
Rear corner post (inner)	SS400
Door header	SS400
Door sill	SS400
Door member	SS400
Door panel	SS400
Hinge blade	SF45
Hinge lug	SS41
Hinge washer	SUS304
Hinge bushes	Bronze
Door hinge pin	SUS304
Locking cam, cam keeper	SF45
Door handle	SF45
Locking rod	STK41
Door gasket	Hard E.P.D.M.
Gasket retainer	SUS304
Blind Rivet	Stainless Steel
Shim	E.P.D.M.
Corner fitting	SCW49
Lashing bar	SS400

Side Wall Assembly

Side panel (inner)	SS400
Side panel (end)	SS400
Top side rail	SS400
Lashing ring	SS400
Ventilator	ABS
Lashing bar	SS400

Roof Assembly

Roof corner gusset	SS400
Roof panel	SS400

Floor

Floor board	Apitong / Keruing Plywood
Floor screw	S20C, Zinc-plated