

HYUNDAI

Specifications

2018

53" HYCube

742001 - 742125

GVWR

GVWR: Trailer to meet 68,000# GVWR
VIN Plate: US VIN Plate to read in English (standard)
Product Type: **HT HYCube**

GEOMETRY

LENGTH – EXTERIOR: 53'-0"
LENGTH – INTERIOR: 52' – 6" Nominal Lining to lining
WIDTH – EXTERIOR: 102.36"
WIDTH – INTERIOR: 101" Nominal lining to lining
HEIGHT – EXTERIOR: 13'6"
HEIGHT – INTERIOR: 110" Nominal
DECK HEIGHT: Standard Application
FIFTH WHEEL HEIGHT: 47"
KINGPIN LOCATION: 36"
LANDING GEAR LOCATION: 107" from King Pin (+1"/-1/4")

TIRES & WHEELS

TIRE FURNISHED: Factory furnished
TIRE MANUFACTURER: Hankook TL01 (G), low rolling resistance tire
TIRE SIZE: 295/75R 22.5
WHEEL FURNISH: Factory Furnished
WHEEL MATERIAL: All Steel wheel
WHEEL MANUFACTURER: HT Standard (TCC 361)
WHEEL SIZE: 8.25 x 22.5 – 5-Hand Hole (Steel, Inner & Outer)
WHEEL FINISH FOR STEEL: Hot Dipped Galvanized
WHEEL FINISH FOR ALUMINUM: None (Due to All Steel Wheel Application)
VALVE STEM & CAP: TR-572 Vave Stem for use w/ PSI

UPPER COUPLER

APPROACH PLATE: 1/4" Thick 80,000# Yield – 6 Support Channels
KING PIN PLATE (BTM MAIN): 1/4" Thick 80,000# Yield
KING PIN & MANUFACTURER: Standard (Jost) AAR Cruciform King Pin
FRONT BOTTOM RAIL: Galvanized – Whle Upper Coupler section, w/Pick-up plate Striker Angle
UPPER COUPLER TUBE QTY: (1) Tubing Application-Joggled

BODY/BASE

FORWARD CROSSMEMBERS: Steel Hat shaped Upper Coupler to Landing Gear; 12" C/L
LANDING GEAR C/M: 4" Steel I-Beams, 80,000# PSI, 12" C/L (5ea)
BAY AREA X MEMBERS: 4" Steel I-Beams, 80,000# PSI, 12" C/L
RUNNING GEAR C/M SIZE: 4" high
RUNNING GEAR C/M: 4" Steel I-Beams; 80,000# PSI, 12" C/L w/8" C/L last 3.4'
SLIDER/BODY RAIL (VT): 208" rail length

FLOOR

UPPER COUPLER TYPE: 3.40" Joggled w/Exposed Coupler Top Plate. (New STD)
FLOOR SPECIFICATION: 1.38" (1-3/8") Nominal Domestic Laminated Oak Hardwood

DISCLAIMER

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FLOOR RATINGS – VT:	18,000 lbs Rated Floor per TTMA –Standard HT Dry Van Floor Rating
FLOOR ASSEMBLY METHOD:	Wood Floor assembly
FLOOR SCREWS:	(3) .31” Diameter Screws per Board on I beams
THRESHOLD FINISH:	Hot Dip Galvanized
THRESHOLD PLATE:	0.13” x 12” deep Steel Diamond Plate w/Screws & Nuts.
THRESHOLD APPLICATION:	Standard Application

FRONT

FRONT CORNER RADIUS:	4” Extruded Aluminum
FRONT PANEL & COLOR-DRY:	0.05” Aluminum pre-painted white w/natural color rivets.
FRONT CORNER MAT’L-DRY:	Extruded Aluminum
FRONT POSTS:	(4) 2.5” Deep (16ga) steel hats – Non AAR
GLADHANDS:	Phillips Quick-E w/filters. Control Line only, overlaid.
FRONT RECEPTACLE (7-WAY):	Phillips 7-Way without Circuit Breakers, Split Pins w/ QCS plug
FRONT RECEPTACLE (7-WAY)-OPTIONS:	Phillips QCS Plug connector
GLANDHAND/7-WAY LOCATION:	Overlaid on Lower Roadside Front
CORNER RADIUS PROTECTOR:	(2) 0.125” x 12” Alum Diamond Plate Each Side at Top

SIDE

SIDE MATERIAL:	0.05 Aluminum Pre[ainted white w/ natural color rivits
SIDE POSTS:	0.45” Deep 14 Gauge Galvanized Steel “A” Slotted Logistic Posts
SIDE POST CENTERS:	16” C/L with 12” C/L @ Upper Coupler and Support Gear
SIDE BOTTOM RAIL:	Side Bottom Rail STD
FASTENERS TO BOTTOM RAIL:	Standard Rivets to attach C/Members to the Side Bottom Rail.

REAR

REAR FRAME:	Swing Door, 2” Shallow Header (w/ 1 lock rod per LH & RH door)
REAR DOOR OPENING SPEC:	Standard application
FLOOR LEVEL:	Door to be flush with Floor (STD)
DOOR TYPE FOR DRY VAN – SW:	0.5” Composite Swing Door. Galvanized Prepainted White Interior & Exterior Skin
OPTION-DOOR INSTALL INSTRUCT:	Standard Door Installation per Manufacturer’s Recommendation.
OPTION DOOR & HARDWARE:	(1) Rubber Door Bumper Standard (1” Deep) on Hinge of each Swing Door
HINGES:	Four (4) Aluminum Hinges per Door
ADDITIONAL HINGE OPTION:	Additional one (1) Auminum hinge (total 5 per door)
REAR UNDERRIDE GUARD:	4” Tube, bolt on assembly w/welded perforated (pooched) horizontal
OPTION-HORIZONTAL MEMBER/OTHER:	Construction of two pieces standard stitch welding
UNDERRIDE BOLT SPEC:	Zinc plated bolts & nuts - Standard
DOCK BUMPERS:	Pair 3” x 6” Mold Bolted Bumper
RUBBER BUMPER LOCATION:	Inboard of Light Protector Bars (standard)

ROOF

ROOF PANEL:	0.040” Aluminum
ROOF BOW:	16 Gauge Galvanized Steel Anti-Snag

ROOF BOW CENTERS:	24” Centers Full Length
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LINING/SCUFF

SIDE LINING:	0.235 HDPE Recycled Plastic Installed Between Posts
FRONT LINING:	0.25” Top & 0.5” Bottom plywood mounted to front posts full height
BASE SIDE SCUFF:	0.63” x 12” Hight White Recycled Plastic

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MOUNTING METHOD: Mounted Directly to Posts
 FRONT SCUFF: 0.63" X 12" High White Recycled Plastic Mounted Over Lining to Front Posts (overlaid)
 CORNER FINISH/TREATMENT: Standard Application

LANDING GEAR

LANDING GEAR SPEC: Jost HT421.G3.17.157 5 Year Warranty Full HDG
 LANDING GEAR MOUNTING METHOD: Inboard Mounting (Standard)
 LANDING GEAR SHOES: 10" x 10" RCF (Removable Cushion Foot) Low Profile
 LANDING GEAR GROUND CLEARANCE: Nom. 12" ground clearance
 LANDING GEAR MOUNTING BRACKET: Hot Dip Galvanized large Wing Plate
 CRANK HANDLE: Roadside
 L/GEAR OPTIONS: None (HT STD)
 L/GEAR CROSS BRACE DESIGN: HT standard cross brace attachment design

RUNNING GEAR

BOGIE TYPE: Sliding Tandem (2) Axle Bogie
 AXLE SPACING: 49"
 AXLE ABS SYSTEM: Tandem axle w/2S/1M ABS System
 BOGIE & AXLE LOCATION: Location to be sliding Tandem axle for specified slider length w/ stop bars @ front & rear
 OPTION RELATED BOGIE STOPPER FEATURE: STD plug stopper
 SUSPENSION MANUFACTURER: Hendrickson
 SUSPENSION CAPACITY: Standard Duty
 SUSPENSION SPECIFICATION: Hendrickson Vantraxx HKANT40K Air Ride
 SURELOK (Anti-Dock): Surelok (Anti-Lock) Installed
 LOCKING PIN MECHANISM: Air Assist Pin Puller or Quik Draw
 SUSPENSION SUB-FRAME: Hendrickson K-2 STD Duty
 TYPE of SUSPENSION SPRING: Air Bag
 SPRING SPECIFICATION: Air Bag
 AXLE SUPPLIER: Hendrickson
 AXLE GENERAL SPECS: Axle-Tandem (2) Axles included in suspension (for 2S1M or 2S2M system)
 AXLE TRACK LENGTH: 77 1/2"
 AXLE SPINDLE TYPE: Tapered Spindle
 BRAKE LINING SIZE: 16.5" x 7"
 BRAKE LINING SPECS: Hendrickson Extended Service (Abex-3030-197)
 BRAKE CONTROL SYSTEM: 2S/1M Wabco ABS
 SPRING BRAKE CONTROL: Sealco 110500 Spring brake priority
 BRAKE CONTROL HOSE & ETC.: Standard Air line & Hose Application (US & Canada)
 SLACK ADJUSTER SPECS: Gunite Auto 5.5" – 28-Spline
 BRAKE CHAMBER SPEC: TSE 3030 Tamper Resist (HT standard)
 STROKE LENGTH: MFG's Standard stroke length
 HUB SPECIFICATION: HT Standard (KIC) 10-Stud Hub Piloted Outboard Iron Hub
 DRUM SPECIFICATION: HT Standard (KIC) Cast Drum
 HUB/DRUM-OPT (NUT & OTHER): Standard
 BEARING SPECIFICATIONS: Stemco
 LUBRICATION SPEC: Chev Delo (Syn) Grease
 WHEEL SEALS SPEC: Stemco Discover Seals, Hub Cap, included in the inflation system, Pro-Torq Nut

HUBODOMETER: None
 TIRE INFLATION SPEC.: Hendrickson Tire Maax Inflation System for Undressed Axle (This kit includes Hendrickson Hub Cap for TireMaax)

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TIRE INFLATION PRESSURE: 100 PSI
 TIRE INFLATION LAMP LOCATION: Indicator PSI light at Roadside Mounted over corner radius. (STD Location)
 TIRE LOCATION LAMP SPEC: 19 Series Lamp

ELECTRICAL

HARNESS-GENERAL SPECS: Molded Color Code Phillips Harness w/QCS plug
 HARNESS-SPECIAL FEATURE: Manufacturer's standard feature
 FRONT LIGHTS: (2) Trucklite 33275Y LED PC rated mounted w/grommet
 REAR ID HEADER LIGHT: (5) Vision CL11120R3 LED PC Mounted with Grommet (Dual Function)
 REAR ID SPECIAL FEATURE: Dual Function Rear Header Lights – 3 Lamps at center with Marker & Stop functionality, 2 lamps outboard with Marker & Turn Functionality Mini Button Style Lamp
 REAR SIDE MARKER TYPE/SHAPE:
 REAR SIDE MARKER DETAIL SPEC: (2) Trucklite 33275R LED PC rated flush w/grommet 33725 w/ anti-theft hardware
 REAR SIDE MARKER MT'G. LOCATION: Mounted on Standard Location on Rear Corner Post – HT STD
 STOP/TURN/TAIL LIGHT GENERAL SPEC: (4) Trucklite 40 or 44 LED Series (Round Style) or equivalent
 STOP/TURN/TAIL LIGHT DETAIL SPEC: (4) Trucklite 44322R LED (Super 44 Grey) Flange mounted w/stainless steel Rivets.
 MAIN MID-TURN LIGHTS: Install the mid turn lamp
 MID-TURN MOUNTING METHOD: Mounting Bracket
 MAIN MID TURN LIGHT DETAIL SPEC: (2) Trucklite 60272Y LED Gray Flange Mounted with Stainless Steel Rivets
 ABS LIGHT DETAIL SPEC: (1) Trucklite 33275Y LED PC rated w/grommet 33725 w/anti-theft hardware
 ABS LIGHT MOUNTING LOCATION: Mounted on Standard Location on Rear Corner Post –HT STD
 LICENSE LIGHT: (1) Trucklite 33010C LED
 OPTION RELATED HARNESS: Standard
 ELECTRICAL RELATED REGULATION: Standard Application

MARKINGS & DECALS

HT & PRODUCT TYPE DECAL PACKAGE: Hyundai Logo & Product Type Decals Application (For not having pre-painted white panels for side/door/front, Apply white HT Corporate decals)
 DECAL PACKAGE: Factory Furnished Hyundai Information & Regulatory Decal Package with FMCSA Specified in Notes
 DECAL OPT 2-DECAL LOCATION: Standard Application
 DECAL OPT 3-DECAL INSTALLATION: Standard Application
 CONSPICUITY MARKINGS: Hyundai standard conspicuity w/logo applied to side Bottom Rail
 LICENSE PLATE: Temporary for delivery. Fasten on HDG mounting plate.
 LICENSE PLATE BRACKET INSTALL: Standard install location – roadside below door sill
 FURNISH DOCUMENT HOLDER: Factory Furnished
 DOCUMENT HOLDERDETAIL SPEC: (1) PHILLIPS 16-802
 DOCUMENT/MANIFEST LOCATION: Overlaid on Lower R/S Front. 18” from the bottom of the front sheet between the front post & corner radius on the roadside

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PAIN/FINISH

UPPER COUPLER FINISH: Galvanized – Whole upper coupler section

CROSSMEMBER FINISH: HDG: ALL Steel Crossmembers including Hat C/M, L/G & Bogie Area
(Except any aluminum)

AXLE & COMPONENTS FINISH: Black Undercoating

SUSPENSION SUB-FRAME FINISH: Black Undercoating

L/GEAR (K-BRACING) FINISH: Hot Dip Galvanized

L/GEAR (UPPER LEG) FINISH: Hot Dip Galvanized

REAR FRAME FINISH: Hot Dip Galvanized

REAR FRAME-PAINT COLOR: None (for galvanized or stainless steel)

REAR UNDERRIDE-FINISH & SPEC: Hot Dip Galvanized & Welded Horizontal Member

REAR UNDERRIDE-PAINT COLOR: None (for galvanized or stainless steel)

MISCELLANEOUS:

MUDFLAP PROVIDER: Factory furnished Mudflaps

MUDFLAP SPECIFICATION: 24" x 30" White Plain Plastic w/Hyundai Logo

MUDFLAP MOUNTING LOC: Suspension Frame

MUDFLAP MOUNTING: STD location w/ H.D. Washer Retainer

*LIFT PAD SPEC.: Install HT Occasional use lift pads fr delivery, with HYUZ decals

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