

SPECIFICATION	Specification & Notes	Specification & Notes	STD or Option	notes
Trailer type	Bombcart , with open corners ISO-Container width	Bombcart , with open corners Wide-body (Pallet-wide) Container width	STD	
Container handling	2 x 20' (2x32.5ton), 1 x 40' (1x32.5 ton), 1 x 45' (1x32.5 ton)	2 x 20' (2x32.5ton), 1 x 40' (1x32.5 ton), 1 x 45' (1x32.5 ton)	STD	
Container stops	Gravity type stops @ 20' & 40' containers. Stops shall position twin 20' containers to the rear of the trailer with a 76.2mm gap. Stops shall position a 40' container to the rear of the trailer. When containers are landed out of position, the stops shall not cause damage to floors or other structures under the containers.	Gravity type stops @ 20' & 40' containers. Stops shall position twin 20' containers to the rear of the trailer with a 76.2mm gap. Stops shall position a 40' container to the rear of the trailer. When containers are landed out of position, the stops shall not cause damage to floors or other structures under the containers.	STD	
Capacity, payload	65 metric ton @ 25 km/h. Chassis stiffness shall maintain a minimum of 70mm gap between the top of maximum loaded twin 20' 9.5' tall containers.	65 metric ton @ 25 km/h. Chassis stiffness shall maintain a minimum of 70mm gap between the top of maximum loaded twin 20' 9.5' tall containers.	STD	
Deadweight	max. 10,200 kg. OEM to advise	max. 10,200 kg. OEM to advise	STD	
Kingpin size	2" King pin, bolted into housing from below	2" King pin, bolted into housing from below	STD	
Minimum applicable standards	ISO 3842:2006: Road vehicles -- Fifth wheels -- Interchangeability ISO 1726: Road vehicles -- Mechanical coupling between tractors and semi-trailers (part 1, 2, 3) Drawings, calculations and test results shall show compliance.	ISO 3842:2006: Road vehicles -- Fifth wheels -- Interchangeability ISO 1726: Road vehicles -- Mechanical coupling between tractors and semi-trailers (part 1, 2, 3) Drawings, calculations and test results shall show compliance.	STD	
King pin height	Range 1016 - 1275 mm Note: To be agreed between Terminal & Manufacturer	Range 1016 - 1275 mm Note: To be agreed between Terminal & Manufacturer	STD	see note
King pin setback	900 - 960 mm range distance from front side Bombcart	900 - 960 mm range distance from front side Bombcart	STD	
5th Wheel load	Maximum 22,000 kg @ maximum axleload	Maximum 22,000 kg @ maximum axleload	STD	
Landing leg	Manual adjustable for 1016 - 1180 mm king pin height Note: To be agreed between Terminal & Manufacturer	Manual adjustable for 1016 - 1180 mm king pin height Note: To be agreed between Terminal & Manufacturer	STD	see note
Rear bumper	Bolted to the mainframe	Bolted to the mainframe	STD	
Overall length	14,000 till 14,350 mm Note: To be confirmed by Manufacturer	14,000 till 14,350 mm Note: To be confirmed by Manufacturer	STD	see note
Overall width	2,680 till 2,780 mm Note: To be confirmed by Manufacturer	2,770 till 2,870 mm Note: To be confirmed by Manufacturer	STD	see note
Overall height	1,725 till 1,850 mm Note: To be confirmed by Manufacturer	1,725 till 1,850 mm Note: To be confirmed by Manufacturer	STD	see note
Inside length	13,290 mm	13,230 mm	STD	
Inside width	maximum 2451 mm (for ISO containers only) Note: To be agreed between Terminal & Manufacturer	maximum 2550 mm (for wide-body / pallet-wide container) Note: To be agreed between Terminal & Manufacturer	STD	see note
Deck height	1346 till 1550 mm level from ground to the container resting surface when empty. Lower deck heights are preferred. Note: To be agreed between Terminal & Manufacturer	1346 till 1550 mm level from ground to the container resting surface when empty. Lower deck heights are preferred. Note: To be agreed between Terminal & Manufacturer	STD	see note
Main I-beams	2 Main beams, height: min. 500 mm / Width: min. 160 mm	2 Main beams, height: min. 500 mm / Width: min. 160 mm	STD	
Cross-beams and side-guides	1. Internal width between side-guides, see above. 2. Side-guides & Rear-guides, minimum of: 150mm tall vertical section, 150mm tall x 170mm deep sloped section, 50mm wide flat top. 3. Front-guides: no vertical section, sloped full height to 50mm wide flat top. 4. All guides fabricated of >10mm plate. All guides include 150mm wide 10mm thick wear/slide plates placed periodically on the sloped sections to reduce scraping on the high visibility paint. 5. Side-guide supports shall be >750mm in long (i.e. in travel direction) with >200mm wide horizontal plate for the container bottom edge to rest on, thus to prevent containers sliding off the support.	1. Internal width between side-guides, see above. 2. Side-guides & Rear-guides, minimum of: 150mm tall vertical section, 150mm tall x 170mm deep sloped section, 50mm wide flat top. 3. Front-guides: no vertical section, sloped full height to 50mm wide flat top. 4. All guides fabricated of >10mm plate. All guides include 150mm wide 10mm thick wear/slide plates placed periodically on the sloped sections to reduce scraping on the high visibility paint. 5. Side-guide supports shall be >750mm in long (i.e. in travel direction) with >200mm wide horizontal plate for the container bottom edge to rest on, thus to prevent containers sliding off the support.	STD	
Axles	Capacity > 16 ton @ 100 km/h Capacity > 18 ton @ 25 km/h Note: To be confirmed by Manufacturer	Capacity > 16 ton @ 100 km/h Capacity > 18 ton @ 25 km/h Note: To be confirmed by Manufacturer	STD	see note
Brakes	Braked axles. Spring actuated parking brake on front axle. Automatic slack adjusters.	Braked axles. Spring actuated parking brake on front axle. Automatic slack adjusters.	STD	
Suspension, type of suspension	8 wheels on 2 axles. Note: To be confirmed by Manufacturer	8 wheels on 2 axles. Note: To be confirmed by Manufacturer	STD	see note
Wheel base	To be confirmed by Manufacturer	To be confirmed by Manufacturer	STD	
Axles loads	To be confirmed by Manufacturer	To be confirmed by Manufacturer	STD	
Rims	Preferred rim size: fit for 280/75-R22.5 or 11-R22.5; 10-holes stud-piloted To be confirmed by Manufacturer	Preferred rim size: fit for 280/75-R22.5 or 11-R22.5; 10-holes stud-piloted To be confirmed by Manufacturer	STD	
Tires	Preferred tire size: 280/75-R22.5 or 11-R22.5 Note: To be confirmed by Manufacturer	Preferred tire size: 280/75-R22.5 or 11-R22.5 Note: To be confirmed by Manufacturer	STD	see note
Operating environment	Marine	Marine	STD	
Temperature range	-20 to +50 degrees Celsius	-20 to +50 degrees Celsius	STD	
Electrical connection	7 PIN , 24 V	7 PIN , 24 V	STD	
Rear lights	LED, Left/Right brake: 2x direction-indicator L/R: 2x rearlight	LED, Left/Right brake: 2x direction-indicator L/R: 2x rearlight	STD	
Pneumatic connection (line and brake)	6" single glad-hand receptacles. Local color standards: (e.g. USA: Red & Blue / Europe: Red & Yellow) Vertical supports of front-guide shall also protect the glad-hand connections from accidental contact. Air tank to include automatic purge valve and manual drain on bottom.	6" single glad-hand receptacles. Local color standards: (e.g. USA: Red & Blue / Europe: Red & Yellow) Vertical supports of front-guide shall also protect the glad-hand connections from accidental contact. Air tank to include automatic purge valve and manual drain on bottom.	STD	
Corrosion protection	1. Corrosion protection system to warrant a minimum paint life of 5 years according to EN-ISO 4628 R12, excl. abrasion, impact and chemical spillage. 2. Durability of the paint according to ISO 12944 shall be: MEDIUM (M), 5 to 15 years in R13. 3. Classification of environments according to ISO 12944-2 is C4 "high, industrial & coastal". 4. Surface preparation SA 2.5 Grade with 2 (or 3) layer.	1. Corrosion protection system to warrant a minimum paint life of 5 years according to EN-ISO 4628 R12, excl. abrasion, impact and chemical spillage. 2. Durability of the paint according to ISO 12944 shall be: MEDIUM (M), 5 to 15 years in R13. 3. Classification of environments according to ISO 12944-2 is C4 "high, industrial & coastal". 4. Surface preparation SA 2.5 Grade with 2 (or 3) layer.	STD	
Labelling	Equipment number on left, right & rear sides (number-code tbd by Buyer) Safe working load in metric tons on left & right sides "SWL # # MT" Suspension bolt torque decal Stainless steel manufacturer nameplate with model, serial number, etc Operation decal Warning decal "WARNING STAY BACK 20 FEET" on rear	Equipment number on left, right & rear sides (number-code tbd by Buyer) Safe working load in metric tons on left & right sides "SWL # # MT" Suspension bolt torque decal Stainless steel manufacturer nameplate with model, serial number, etc Operation decal Warning decal "WARNING STAY BACK 20 FEET" on rear	STD	
Equipment numbers	On both sides and rear side (number-code tbd by Buyer)	On both sides and rear side (number-code tbd by Buyer)	STD	
Safety	Side guard: nylon belt/hand to prevent entry between guides	Side guard: nylon belt/hand to prevent entry between guides	STD	
Warranty	Reflective striping on front, sides and rear of the equipment 5 years after delivery to the Terminal including at least: structure, axles, suspension, and paint/corrosion. Note: To be confirmed by Manufacturer	Reflective striping on front, sides and rear of the equipment 5 years after delivery to the Terminal including at least: structure, axles, suspension, and paint/corrosion. Note: To be confirmed by Manufacturer	STD	see note
Documents	M&R-manual: Spare-parts list: Shop manual	M&R-manual: Spare-parts list: Shop manual	STD	
Landing leg	Fixed leg, strengthened in travel direction and sideways. Height to be determined for 5th wheel Square foot contact pads with minimum 305x305mm contact patch on ground. 20mm thick. All four sides slope up at 45 degrees to a height of 76mm. Minimum hole 13mm drain holes to prevent water pooling.	Fixed leg, strengthened in travel direction and sideways. Height to be determined for 5th wheel Square foot contact pads with minimum 305x305mm contact patch on ground. 20mm thick. All four sides slope up at 45 degrees to a height of 76mm. Minimum hole 13mm drain holes to prevent water pooling.	OPT	
Brakes	Braked axles. Spring actuated parking brake on front axle. Brake backing plates/dust covers removed for visible inspection of brake pads without removing wheels or components. Automatic slack adjusters.	Braked axles. Spring actuated parking brake on front axle. Brake backing plates/dust covers removed for visible inspection of brake pads without removing wheels or components. Automatic slack adjusters.	OPT	
Mud guards	Mud guards over tires	Mud guards over tires	OPT	
Rear lights	Separate bolted on light bar	Separate bolted on light bar	OPT	
Tires	10.00 x 20 solid rubber tires: Solidal or equivalent Note: To be confirmed by Manufacturer	10.00 x 20 solid rubber tires: Solidal or equivalent Note: To be confirmed by Manufacturer	OPT	see note
Color	Hempel 3007 blue or equivalent. All sloped sections of guides: Hempel 2267 or equivalent.	Hempel 3007 blue or equivalent. All sloped sections of guides: Hempel 2267 or equivalent.	OPT	
Rear bumper	Fixed to the mainframe with rubber blocks at rear-end stairs for seal-check and platform on deck	Fixed to the mainframe with rubber blocks at rear-end stairs for seal-check and platform on deck	OPT	

