

2	TRAILER – HOPPER FEATURES AND DIMENSIONS (CONTINUED)	YES	NO
2.12	There shall be a minimum 30 Amp marine type automatic 120VAC battery charger to be secured within a waterproof and compartment in an accessible area on front of hopper. Battery compartment shall be supplied with drain and vent holes. Specify Make: Hoffman 12X10X5 Box – IOTA DLS30A Series M Battery Charger.		
2.13	Hopper walls shall be a 10° sloped polyhedral shape to carry asphalt material to the shovelling platform. Sloped walls will allow access to asphalt material without constant tilting of the hopper or the need to reach in with long tools to get at asphalt material.		
2.14	The shovelling platform shall be fabricated with stainless steel with dimensions of 44” (112cm) width x 18.5” (47cm) depth and the shovelling platform shall 26” (66cm) high from the ground.		
2.15	Unit will come equipped with a 3GAL. release agent bottle/sprayer		
2.16	Unit will come equipped with a tool rack to hold (4) four tools with maximum of 2” diameter handles.		
2.17	The material vat shall have a 10° sloped polyhedral shape for optimum flow of asphalt. The material vat heated area is approximately 6,200 in² .		
2.18	The material vat shall be constructed of minimum 10 ga steel construction.		
2.19	The oil vat shall hold a capacity of 67.5USG/255.5L of heat transfer oil rated at 500°F / 260°C		
2.20	The oil vat heated area is approximately 7,000 in² .		
2.21	The oil vat shall be constructed of minimum 10 ga steel construction.		
2.22	There shall be a drain located at the rear of the melter to allow for draining out heat transfer oil yearly. Specify: located underneath hopper		
2.23	There shall be 1” ceramic insulation on all sides and bottom.		
2.24	There shall be a minimum of 12-gauge HRMS steel covering the outside wall of vat when completed.		
2.25	There shall be a heat transfer oil expansion located on top of material vat with a capacity of 13USG/49L .		
2.26	Tongue weight of 800 lbs (363 kg) fully loaded hot box with all options as described above. (Includes full tank of fuel and oil jackets at required level).		
3	HEATING SYSTEM - DIESEL		
3.1	The main burner shall be a 12-volt diesel-burner, maximum 165,000 BTU with electronic spark ignition and flame out protection.		
3.2	Fire-chamber shall be equipped with 1” ceramic fibre insulation.		
3.3	Burner shall have a safety shut off switch to disable burner when asphalt hopper is raised.		
3.4	Burner shall have automatic temperature control thermostat to control heat transfer oil temperature.		
3.5	Burner assembly shall have protective guarding or enclosure installed to protect burner assembly from the elements.		
3.6	Shall be equipped with a 1500 watt/120-volt heater, fully immersed in the heat transfer oil to carry hot oil through to maintain even heat distribution overnight.		
3.7	Diesel tank shall have a capacity of 10USG/37L		
3.8	The diesel tank shall come with a labeled, vented fill-cap. The tank shall also have an accessible drain plug.		
3.9	The fuel tank shall be equipped with a mechanical fuel level indicator.		

3	HEATING SYSTEM - DIESEL (CONTINUED)	YES	NO
3.10	Diesel tank shall tilt with the hopper, diesel tank to be mounted at front of the hopper, filler cap and fuel lines shall be protected against accidental impact damage from dumping of hot asphalt.		
3.11	Exhaust shall exit the heating chamber through a front mounted covered exhaust stack.		
4	LIGHTING AND SAFETY		
4.1	Shall be equipped with a highway lighting package: four (4) light LED system for road safety located on rear left and right side of the trailer. Lighting shall include park, tail, signal, and brake lights with emergency 4-way capability.		
4.2	Battery master disconnect switch shall be installed on unit to prevent battery drain		
4.3	All lighting must comply with DOT or equivalent requirements.		
4.4	All major components around the box (such as heater exhaust, beacons, lighting, and switches) shall be protected by brackets or shields against heated material and/or elements.		
4.5	All wiring and hoses shall be protected by ducts or looms from the elements, chafing and heat sources, using moisture and temperature resistance connectors.		
4.6	Exposed hot surfaces shall be adequately marked and identified, in English, e.g. "Caution-May Be Hot"		
4.7	Shall be equipped with single 15ft pendant control.		
4.8	Shall have an audible alarm to advise operators that hopper is being lowered.		
4.9	For enhanced visibility and detection in low light conditions, two (2) inch wide red and white conspicuity tape, 983-32 NL (or equivalent) shall be applied to the sides and rear of machine.		
4.10	Shall be equipped with a green strobe burner indicator light to alert crew of any burner issues.		
4.11	Must be equipped with an LED directional flashing arrow board that is compliant with SAE J595 Class 1. Specify: 50"L x 12.5"H x 2"D		
5	PAINT		
5.1	The complete machine shall be cleaned of all weld spatter and oil for final painting.		
5.2	The machine shall be coated with epoxy primer and painted urethane Destroyer Grey, standard colour.		
6	OPTIONS INCLUDED		
6.1	Shall have a separate shovel rinse tank mounted in front curb side fender.		
6.2	There shall be a 10 lb. fire extinguisher with mounting bracket installed on machine.		
6.3	There shall be 2 traffic cone holders installed on either side of the tool holder at front of machine.		
7	OPTIONS AVAILABLE		
7.1	Amber Strobe Light Installed on equipment		
7.2	Slow Moving Vehicle Sign mounted on unit		
7.3	Spare Tire & Rim, mounted to trailer		
7.4	Aluminum Rim Upgrade		
7.5	Alternate Paint Colour (BLACK, BLUE, ORANGE, YELLOW & RED)		
8	WARRANTY		
8.1	Warranty policy to be included with the bid/tender		
8.2	5 year limited trailer warranty		

Specifications may change without notice.