

TDI7500

TOWABLE DE/ANTI-ICING VEHICLE



CHASSIS	The steel constructed chassis is designed to withstand the torsion of the access platform. The chassis is towable via front axle which has a fifth wheel for ease of steering. Parking brake is activated from the tow-bar.
BODY	The frame of the body is constructed from steel box hollow profiles and covered with hot-dip galvanized steel sheet. The equipment inside the body is ease accessible via locked doors. A ladder step with hand rails is designed for ease accessible for the access platform and tank manholes for ease of filling and maintenance.
ACCESS PLATFORM	A scissors type access platform is provided on the top of the body to be used in de/anti-icing operations. This platform is hydraulically powered and controlled by an electrical system. The platform is equipped with fluid guns for de/anti-icing and working projector for night operations.
HYDRAULIC SYSTEM	The access platform and de/anti-icing system are powered by hydraulic system. The hydraulic system is composed of oil tank and filters, control valves, hydro-motors and pumps.
ELECTRIC SYSTEM	12 V DC electric system powered by maintenance free battery is used to control all system. There are two control panels; one on the platform and one on the body.
SELF-PROPELLING SYSTEM	The vehicle is designed as towable type to be towed between work side and park side. The vehicle is equipped with a hydro-motor powered drive axle for self-propelling which is controlled by control panel on the front towbar to be used during de/anti-ice operations.
DE/ANTI-ICING SYSTEM	The de/anti-icing system is powered by two Hardi pumps driven by hydraulic system. There are two separate stainless steel tanks for de-ice and anti-ice fluids. The de-icing process is a premix type. TFT type fluid guns are used for precise operations. Diesel powered heater is provided to heat the fluid up for proper operations.
OPTIONS	Different capacities of tank and pumps, different brand of diesel engine and generator, Different working height of access platform, remote communication system.



TECHNICAL SPECIFICATIONS			
BOOM SYSTEM	1.1	Manufacturer	TIMSAN
	1.2	Model Type	Scissors Platform / TDI7500
	1.3	Max. Platform Floor Height	7.5 m
	1.4	Max. Fluid Gun Height	9 m
	1.5	Platform Capacity	220 kg / 2 Person
	1.6	Control System	Electro-Hydraulic
DE-ICE / ANTI-ICE SYSTEM	2.1	Tank Capacities	De-Ice:2250 l / Anti-Ice:750 l
	2.2	Fluid Gun De-Ice / Anti-Ice	TFT BGH-HT-150 / TFT BGH-TYPE IV
	2.3	Fluid Gun Capacity	150 l/min @ 110 Psi - Fog/Stream Functioned
	2.4	De-Ice Capacity	100 l/min - Hardi Pump 1303/9
	2.5	Anti-Ice Capacity	50 l/min - Hardi Pump 1303/9
	2.6	De-Ice/Anti-Ice System	Pre-Mix System
	2.7	Express Heater	1 MBTU / Diesel Powered
	2.8	Hose Reel	10 m
MAIN DIMENSIONS	3.1	Overall Length	4025 mm
	3.2	Overall Width	2100 mm
	3.3	Overall Height	3200 mm
	3.4	Ground Clearance	300 mm
	3.5	Wheel base	2800 mm
	3.6	Outside Turning Radius	3000 mm
	3.7	Platform Inner Dimensions	L: 2030 mm / W:565 mm
	3.8	Platform Handrail Height	1100 mm
WEIGHT	4.1	Dead Weight (Approx)	4120 kg
	4.2	Loaded Weight	7120 kg
TYRES	5.1	Tyre Type	Pneumatic - Industrial
	5.2	Tyre Size Front	23x9-10 / Single
	5.3	Tyre Size Rear	8.15-15 (28x9-15) / Single
POWERTRAIN	6.1	Engine make&model	HATZ 2G40H / Air-Cooled
	6.2	Engine Power (Max.)	17 kW @ 3600 rpm
	6.3	Transmission System	Hydro-Static
	6.4	Suspension System	Rigid Mount
	6.5	Drive type	4 x 2
	6.6	Steering system	Fifth-Wheel / Mechanic via Towbar
	6.7	Hydro-Static Drive	5 km/h
	6.8	Towing Speed	25 km/h
ADDITIONAL DATA	7.1	Fuel tank capacity	90 l
	7.2	Hydraulic tank capacity	60 l
	7.3	Electric System	12 V DC / 105 Ah
	7.4	Platform	Beacon, Projector for Night Operations