

TECHNICAL DATA

The MULAG MDF 9 mobile conveyor belt has been specially developed for the purpose of loading and unloading freight and mail onto and out of parked aircraft.

The machine is a self-propelled vehicle, designed for single-handed operation.

<u>Engine:</u>	KHD diesel engine, model F4L 1011, 4-cylinder, air-cooled, producing 35 KW at 2300 rpm.
<u>Hydrostatic transmission:</u>	Sauer-Sundstrand, variable-displacement pump, Typ 90 R 055 Rear-wheel drive with wheel-hub motors Typ R M F1/038
<u>Front axle:</u>	Knott steering brake axle, model 3352-12263.A1/A2, with disc brakes (2 brake calipers per side). Load-bearing capacity: 4000 kg.
<u>Steering:</u>	Danfoss hydrostatic steering system with ZF steering cylinder.
<u>Braking system:</u>	Dual-circuit, hydraulic braking system with ATE servo unit, model H 31, acting on front and rear wheels. Mechanical handbrake acting on rear wheels.
<u>Hydraulic system:</u>	Sauer-Sundstrand pump supplying the belt drive motor, belt height adjusting system, steering and braking systems. All functions are controlled via Rexroth hydraulic solenoid valves.
<u>Electrical system:</u>	24-volt electrics with 2 x 88 Ah starter battery.
<u>Tyres:</u>	Conti 205 R 14 C
<u>Tyre pressures:</u>	5 bar
<u>Unladen weight:</u>	4000 kg
<u>Speed:</u>	25 kph
<u>Conveyor belt:</u>	Belt height adjustable front, controlled from the cab. Direction of belt travel controlled at rear and front of vehicle. Rails at left side fixed. Rails on right side configured in sections and capable of being folded. Both sets of rails can be extended.

Dimensions:	Vehicle width:	2190 mm
	Vehicle length overall:	9200 mm
	Track width, front:	1960 mm
	Track width, rear:	1930 mm
	Wheelbase:	4000 mm
	Turning radius:	approx. 8.5 m
	Ground clearance:	approx. 180 mm
	Conveyor belt length:	approx. 9 m
	Conveyor belt width (belt only):	600 mm
	Conveyor belt width (assembly):	710 mm
	Distance between handrail:	810 mm

Conveyor belt heights (approx):

Front, raised: 4800 mm; rear, lowered: 520 mm

Front, lowered: 1050 mm ; rear, lowered: 700 mm

(all dimensions measured from upper edge of belt to ground).

Conveyor belt speed:	0.2 m/s - 0.8 m/s
Conveyor belt load capacity:	150 kg/m ² , distributed load
	600 kg, max. individual unit weight