



TOWABLE BELT CONVEYOR

The Baggage Conveyor shall be suitable for loading/off-loading luggage and cargo to/from aircraft cargo holds where door sill height ranging from 1250 mm to 3900 mm. The equipment shall be Towable and easily maneuverable on tarmac with towing handle hook suitable to connect 50 mm dia. tow pin.

STRUCTURE AND OVERALL DIMENSIONS

2.1 The conveyor shall be constructed out of tubular structure and covered with MS Sheets and plates wherever necessary. 400 mm X 100 mm solid rubber wheel with axle for rear and turntable mounted axle for front is provided with towing handle.

Overall dimensions shall be as follows:-

- Boom Length : 7200 mm to 7800 mm
- Bed Width : 900 mm to 1000 mm
- Maximum Height at A/C end : 3900 mm
- Minimum Height at A/C end : 1300 mm
- Maximum Height at ramp end: 760 mm
- Belt width : 600 mm
- Width between rails : 900 mm
- Belt speed (mini.) : 0.3 m/s
- Load capacity : 300 kgs distributed.

ENGINE :

Diesel engine which is generally available in India, manufactured by Greaves Lobardini Ltd. or any other reputed make with minimum 6.5 HP capacity fitted with alternator and battery charging system.

PUMP:

Hydraulic Pump would be of Dowty make gear pump directly mounted on Diesel Engine with bracket and coupling.

HYDRAULIC SYSTEM:

- Hydraulic Motor would be OMR 200 or equivalent, approved by buyer.
- Hydraulic tank capacity would be 100 liters fitted with level gauge, filler plug, return line filter, drain valve and isolator valve.
- Emergency hand pump would be provided to raise the boom in case of engine failure.
- Hydraulic cylinder, control valves, relief valves, flow control valves etc. would be of Yuken/Vickers/Bell or polyhydron make.
- The hydraulic cylinders shall be of seamless tubes having internal bore duly honed and with hard chromed piston rods. There shall be ease in changing the oil seals.
- Fuel tank- 60 liters capacity.
- Stabilizer - 4 nos. screw type.
- Control valve assembly would be mechanical type positioned at rear end of the boom..

CONVEYOR BED AND ROLLER:

Conveyor bed should be of MS section on which GI rollers fitted to support the belt for smooth movement. The front and rear of the bed should be provided with big roller drums. The conveyor belt should be 3 Ply extruded type.

AIRPORT REQUIREMENT

- Fire extinguisher of 2 kg dry chemical type to be provided.
- Four wooden wheel chocks with chain to be provided
- OBS light, amber colour with flasher.
- Mechanical breaks: provision of mechanical parking breaks to be made to avoid the rolling of unit when parked on slope.

