Hydraulic Pallet Truck and Stacker

CAPABILITY SHEET · UP BY THE STROKE, DOWN BY THE VALVE. · FORKS AND A FRAME, A HAND PUMP WITH A CH

THE ONE IDEA

PRINCIPLE	Up by the stroke, down by the valve.
WHY IT MATTERS	Lifting takes many small strokes and lowering takes one opened valve, so the lowering valve is metered and a check valve holds the load in between.

THE TRUCK

FORKS AND FRAME	Stiff forks with tapered tips and entry rollers, long enough to carry the pallet, on a frame that does not twist.
PUMP AND VALVES	A hand pump with a check valve, a ram, a metered lowering valve that seats, and a relief valve that limits the pressure.
LEVER	A control lever with raise, neutral and lower, set so that neutral parts the pump from the ram.
STACKER	A mast, a carriage and straddle legs, with a rating given at a stated load centre.

THE METHOD

ORDER	Duty, forks and frame, pump and valves, mast and legs, build and prove. The valves and the proof are the two that a quick job skips.
LIMITS	Capacities, loads, lift heights and speeds come from the customer's pallets, and are not printed here.

CONFIGURATIONS

HAND PALLET TRUCK	A hand pallet truck: forks, a pump housing and a handle, for a short lift.
MANUAL STACKER	A manual hydraulic stacker: a mast, a carriage and straddle legs, for a higher lift.
SPECIAL DUTY	A special-duty truck: a build for a floor, a place or a load that is not usual.

STANDARDS & SCOPE

STANDARDS	Public reference: ISO 3691-5 for the safety requirements and verification of pedestrian-propelled industrial trucks.
SCOPE BOUNDARY	It is the hydraulic pallet truck and the manual stacker: not a platform truck, not a chain conveyor, not a hydraulic jack and not a forklift.
STATUS	Neometrix has quoted against successive hydraulic pallet truck and manual stacker requirements, and no delivered pallet truck or stacker is claimed.

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