

OMEGA

HEAVY FORKLIFT TRUCKS

DCH
MODELS 42E - 54E



DEDICATED CONTAINER HANDLERS - E SERIES

32t - 40t @ 1650mm LC

Features

- Cummins QSM11 electronic engine
- Dana (Clark) electronic TE27 transmission
- T-CON electronic transmission control
- Wet disk brakes, oil cooled
- Full enclosed cabin
- Engine protection system
- Joystick servo controls
- Centralised lubrication
- Outstanding visibility
- Safety interlocks
- Lift circuit accumulator
- Omega Data Management System (optional)

Designed and manufactured in Australia

FOR FURTHER INFORMATION CONTACT

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OMEGA

HEAVY FORKLIFT TRUCKS

SPECIFICATION DATA

ENGINE

- Cummins QSM11-C335 electronic 6 cylinder low emission diesel.
- Tier 3 emissions compliant.
- Heavy duty air cleaner with restriction indicator and safety element.
- Engine protection system monitors oil pressure, water level and temperature.

TRANSMISSION AND DRIVE AXLE

- Dana (Clark) TE27 electronic powershift transmission.
- 4 speeds forward and reverse.
- T-con fully automatic electronic shift control provides forward/reverse interlock and downshift protection.
- Planetary style, wide drive axle with integral oil cooled wet disc brakes.
- Sealed 140 amp alternator, high charge at low RPM.

BRAKE SYSTEM

- Fully hydraulic operation.
- Oil cooled, wet disc service brakes.
- Brake system oil constantly cooled and filtered.
- Accumulator provides emergency applications in the event of engine failure.
- Fail safe park brake system - spring applied, oil pressure released - applied through dry brake disc acting on drive axle input.

STEERING SYSTEM

- Hydrostatic system provides effortless, reliable control - 4.6 steering wheel revolutions from lock to lock.
- Heavy duty, welded beam design steer axle protects steer cylinder.
- Single, transverse mounted steer cylinder acting through fixed links - no adjustment required.
- Centralised lubrication of oscillation pins.
- One piece rim clamping flange provides wheel nut and stud protection.

HYDRAULIC SYSTEM

- Two tandem gear pumps
- 10 micron filtration on return
- Lowering control valves provide controlled lowering under all conditions.
- Accumulator in lift circuit provides shock load protection.
- Twin hose overmast improves reliability.

ELECTRICAL SYSTEM

- 24 V system supplied by 2 x 12 V 300 Ah batteries.
- Clip in relays for fast field replacement.
- Push button reset, circuit breaker protection.
- Harness in protective conduit with colour and numeric code for easy circuit identification.
- Back-up alarm
- Full light kit including stop, tail and turn indicators.

OPERATORS CABIN

- Spacious, rear mounted cab designed for low noise.
- Tinted glass provides superior visibility.
- Fully adjustable steer column and ergonomically arranged controls and instruments.
- Joystick provides control for lift/tilt, side shift, and horn trigger on one lever.
- Audio-visual warning system.
- Luxury suspension seat with retractable seat belt.
- Front, rear and roof wipers and washers.
- Mirror kits.
- Integrated air conditioning (optional).

SERVICEABILITY

- Power module contains radiator, engine, transmission and hydraulics mounted on a skid for easy removal.
- Service compartments contain batteries.
- Spin on filter assemblies.
- Heavy duty, dual element air cleaner with cyclonic pre-cleaner.
- Gas strut assisted hoods and bonnets.
- Quick detach panel assemblies.
- Centralised lubrication system on mast and steer axle.

INTEGRAL GANTRIES

- Half height or full height.
- Automatic mechanical pile slope.
- Optional powered pile slope.

20'- 40' TOP AND BOTTOM LIFT ATTACHMENTS

- Floating twistlocks.
- Electrical and mechanical twistlock indicators.
- Hydraulic extendible and retractable to handle both 20' and 40' containers.
- Automatic twistlock operation.
- Twin cylinders provide slew and outreach and single cylinder for side shaft.
- Optional 30' or 35' stops.
- Optional chains for bottom lift capability.
- Optional integral intermodal top/bottom lift frame.
- Optional Integral Flexipick 20/40 Overheight Half Height attachment.

SAFETY FEATURES

- Lift cutout in event twistlocks not fully locked or unlocked.
- Lower cutout reduces stress on attachment and mast.
- Stability monitor indicates stable retract, back tilt and lift height condition.
- Speed limited when laden.

OPTIONAL EQUIPMENT

- Air conditioning
- Remote lift chain lubrication system
- Weight gauge
- Observers' seat
- ODMS system
- Elevated cab