

# 20,000 – 40,000 lb. Features & Benefits

## FEATURES

## BENEFITS

### Chassis

Sloped counterweight	Excellent visibility and dynamic stability
Engine hood design	Excellent visibility and service access
Concealed air filter	Offers great visibility
Position of exhaust pipe	Offers great visibility
Fenders/mud guards	Adapted to handle a variety of tires and bolted for ease of replacement in case of damage
Frame construction	Fewer components and increased maximum strength
Heavy duty frame members	Excellent strength and torsional rigidity
Rear lights fitted into the counterweight	Reduced risk of damage
Position of respiration filter for diesel tank	Eliminates leakage and odor

### Cab

Spirit Delta Cab	Best designed driving environment in the industry
FlexCab/FlexGuard	Robust alternative to the Spirit Delta Cab

### Lifting Equipment

Position of hydraulic cylinders, hoses and chains	Outstanding visibility and reduced service requirements
Dog bone shaped mast crosshead	Maximum forward visibility
Large diameter in tilt cylinder pins	Offers greater strength and durability
Robalon blocks replace support rollers	Longer life, greater stability and fewer lubrication points, easier serviceability
Double sealing on cylinders	Reduces risk of leakage
Three mast options	Designed for maximum operating efficiency
Various carriage options	Designed for maximum operating efficiency
Various fork options	Designed for maximum operating efficiency
No de-rating of lift capacity	Full capacity up to 197" lifting height with side shift fork positioning
Crowned roller bearings - heavy duty chain rollers	Longer life, greater strength and durability

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## Power Train

Low emission engines	Comply with latest emission requirements
Two-stage air filter	High cleaning capacity and easy replacement
Heavy-duty radiator	Greater cooling efficiency and ease of maintenance
Galvanized silencer	Long service life
Heat protection on exhaust	Added safety
Cross-toothed universal drive shaft attachment	Durability and longer service life
Redesigned attachment of drive axle to chassis	Increased durability and longer service life
Electronically controlled transmission	Allows the use of increased optional features

## Hydraulics

ORFS hydraulic couplings	Minimizes leakage
Overcenter valve standard on the tilt function	Secured refilling – no air in the tilt cylinders
Location of main valve	Ease of maintenance
Electric parking brake	Less leakage and fewer hoses to the cab
Double sealing in cylinders	Less leakage

## Electrical

Electrical system	Ease of maintenance
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## Service

Service intervals increased to 500 hours	Reduces maintenance costs up to 15%
Easily accessible daily inspection service points	Maximum productivity and low maintenance costs
Wet disc brakes	Longer brake life and lower maintenance costs
Standard rims are heavy duty	More durable and can be retrofitted with XZM tires
Drive line design	Ease of maintenance
Location of components	Simplifies daily inspections
Reduced number of components	Greater reliability and ease of maintenance
Cross-tooths carden axle	Increased structural strength and longer service life
Greater capacity of air filter	Longer intervals between changes
Improved diagnostics	Easier troubleshooting, less downtime and improved reliability
New Manuals and Individual Spare Parts Catalog	Easier troubleshooting and less downtime

## General

Knowledgeable skilled dealers	Excellent after-sale support
Kalmar quality	Ultimate in lift truck efficiency and lifetime value