

## Capacities

Tramming capacity .....	1 000 kg (2 200 lb)
Breakout force, lift.....	10.7 kN - 1 094 kg (2 407 lb)
Breakout force, tilt.....	36.9 kN - 3 766 kg (8 285 lb)
Tipping load .....	4 551 (10 012 lb)
Bucket std. ....	0.54 m <sup>3</sup> ( 0.7 yd <sup>3</sup> ), 500 BNH lip

## Bucket motion times

Raising time .....	3.0 sec.
Lowering time .....	1.5 sec.
Tipping time .....	4.5 sec.

## Weights

Operating weight.....	3 640 kg (8 000 lb)
Total loaded weight.....	4 640 kg (10 200 lb)

### Axle weights without load

front axle .....	700 kg (1 540 lb)
rear axle .....	2 940 kg (6 460 lb)

### Axle weights with load

front axle .....	2 280 kg (5 010 lb)
rear axle .....	2 360 kg (5 190 lb)

## Driving speeds forward and reverse (loaded)

50 Hz.....	0 to 8 kph (0 to 5 mph)
60 Hz.....	0 to 8.8 kph (0 to 5.5 mph)

## Service capacities

Hydraulic oil tank ..... 62 litre (16.4 gal.)  
Hydrostatic transmission oil tank ..... 31 litre (8.2 gal.)

## Engine

Drive motor ..... Three-phase, asynchronous, squirrelcage  
Output ..... 30 kW (40 hp total)  
Voltage ..... 380 V  
Frequency ..... 50 Hz  
Speed ..... 1 500 rpm  
Insulation class ..... F  
Degree of protection ..... IP 55

## Transmission

Transmission ..... Hydrostatic transmission  
variable flow, fully reversible  
Pump ..... Linde, 0 to 50 cm<sup>3</sup> / rev  
Motor ..... Linde, fixed 35 cm<sup>3</sup> / rev

## Transfer case

Type ..... Gear  
Location ..... Rear axle

## Axles

Front and rear ..... Tamrock, fixed  
No-spin in front axle  
Central hinge oscillating ..... ± 7°

## Wheels

Tyres ..... 7.50 x 15, L5  
Air pressure, front & rear ..... 350 kPa (3.5 bar)

Steering ..... 2 hydraulic cylinders

Steering control ..... Frame steering, control lever  
Articulation angle ..... ± 36°

Main components:

Hydraulic pump ..... Denison  
Control valve ..... Danfoss  
Steering cylinders (2) ..... ø 60 mm (2.36"), Tamrock

Pressure settings:

Main relief valve ..... 14.0 MPa (170 bar)  
Port relief valves ..... 17.5 MPa (175 bar)

Service Brake ..... Hydrostatic transmission

Actuation ..... Pedal

## Parking and Emergency Brakes

Type ..... Hydraulic oil immersed  
multiple disc brakes inclosed in the rear axle

Actuation ..... Emergency button  
Spring applied, hydraulically released

## Buckets hydraulics

Full hydraulic open center system with one pump.  
Oil flows to bucket hydraulic system from the steering pump,  
when steering is not used.

Equipped with mechanical dual control lever.

Main components:

Control valve ..... Commercial hydraulics  
Lift cylinder (1) ..... ø 100/60 mm, Tamrock  
Tilt cylinder (1) ..... ø 120/60 mm, Tamrock  
Fittings ..... JIC

Pressure settings:

Main relief valve ..... 14.0 MPa (140 bar)  
Bucket tilt ..... 6.0 MPa (60 bar)  
Bucket roll-back ..... 18.0 MPa (180 bar)  
Boom raise ..... 18.0 MPa (180 bar)  
Boom lower ..... 6.0 MPa (60 bar)

## Frame

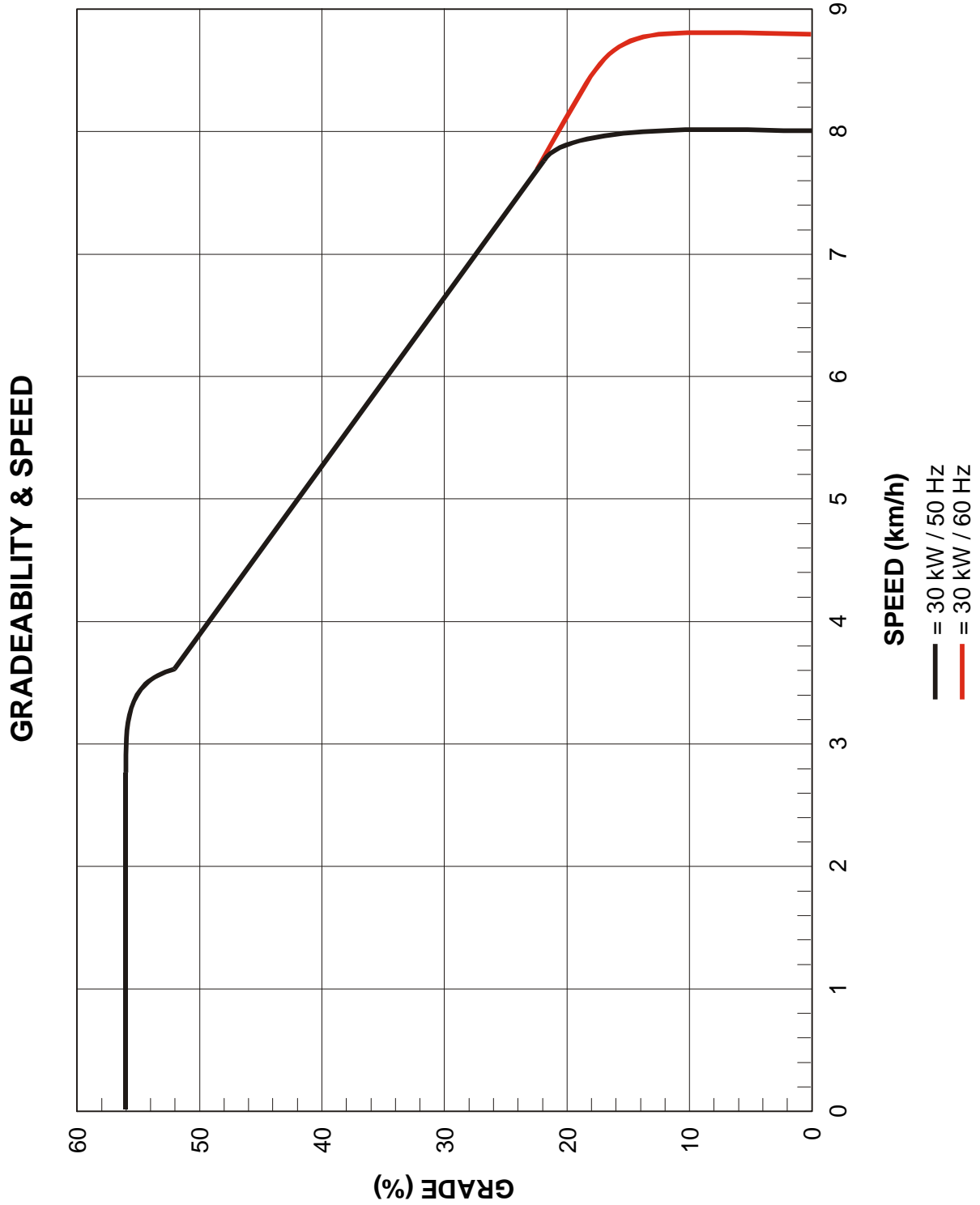
Rear and front frame ..... Welded steel construction  
Material ..... E 36.3  
Central hinge ..... Spherical bearings  
(large angle)

## Electrical equipment

Cable  
Cable reel ..... Automatic tension control,  
end of cable safety  
Secondary electric system ..... 24 V AC/DC  
Lights ..... 2 pcs in front, 70 W  
2 pcs in rear, 70 W

## Optional equipment

Bucket width 950 mm (37'), 0.5 m<sup>3</sup> (0.7 yd<sup>3</sup>).  
Other voltage or frequency.  
Electric motors for tropical conditions.  
FOPS-ROPS canopy.  
Back up alarm.  
Emergency steering system.  
Spare rim and tyre (Xmine D2).  
Radio remote control.  
Gate end box.



# PRODUCTIVITY CURVE

