



DIGMAX II

4X4 TLB / BACKHOE LOADER

Engine

- Proven, powerful and fuel efficient Kirloskar 4R1040TA, water cooled diesel engine
- Gross Power: 66.2 kw (90HP) at 2200 rpm
- Max Torque (Gross): 350 Nm @1400 ±100 rpm
- Meets Bharat stage –III (CEV) emission norms

Hydraulics

- Hydraulic pump - Tandem Gear Pump
- Maximum flow (both pumps) 117.5 lpm @ 2200 rpm
- System main relief setting 225 bar
- Fixed flow, open centre two pump unloading energy efficient hydraulic system

Transmission

- Four Speed (4F, 4R gear) Syncro shift, electrically controlled 2WD or 4WD, reversing shuttle transmission provides superior traction, gradeability, higher force while entering pile or during dozing operation
- Neutral start provision prevents starting when shuttle is engaged
- Gear lever with transmission disconnect switch adds to the overall ease of gear shifting

Weight

- Operating Weight 8400 Kg

Travel Speed

- | | |
|------------|----------------------------|
| | F/ R gear |
| • 1st Gear | 5.3 kmph /4.6 kmph |
| • 2nd Gear | 8.5 kmph /7.0 kmph |
| • 3rd Gear | 18.5 kmph /Not recommended |
| • 4th Gear | 36.6 kmph /Not recommended |

Brakes

- **Service brakes:** Hydraulically actuated dual line, self adjusting, oil immersed, multi disc type on rear axle
- **Parking brakes:** Hand-operated caliper disc brakes

Axles

- Front Drive and steer axle with 12 deg oscillation for maximum ground contact in undulated condition
- Rear drive axle, rigidly mounted to chassis

Steering

- Hydrostatic power steering in front wheel
- Hydraulic supply from pump via priority valve for quick response steering
- Working pressure: 120 bar

Tyres

- Front (Std): 12.5/80-18, 12PR
- Rear (Std): 16.9 x 28-12PR

LOADER PERFORMANCE		
M : Dump height (Cutting edge)	3.00	m
N : Load over height (Cutting edge)	3.51	m
O : Pin height (Cutting edge)	3.7	m
P : Pin forward reach	0.43	m
Q : Reach at ground	1.57	m
R : Max reach at full height	1.22	m
S : Reach at full height - Bucket dumped	0.85	m
T : Below ground level dig depth	0.11	m
U : Rollback at ground	45	deg
V : Dump angle	45	deg
Bucket breakout force	6425	kgf
Loader arm breakout force	5777	kgf
Payload	1980	kg
Return to Dig	Available	
Self Leveling	Available	
Loader Bucket Capacity	1.2	Cum

EXCAVATOR PERFORMANCE		
A : Max dig depth (Bucket in dump Position)	4.80	m
B : Reach ground level to rear wheel centre	6.97	m
C : Reach ground level to slew center	5.65	m
D : Reach at full height to slew center	2.23	m
E : Side reach to center line of machine	6.00	m
F : Max working height (Stab's fully out)	6.30	m
G : Max load over height (Stab's fully out)	4.39	m
H : King post travel	1.00	m
J : Bucket rotation power	187	deg
Bucket tear out force	6018	kgf
Dipper tear out force	3250	kgf
Lift capacity of bucket at full reach (SAE J31)	1554	kgf
Co-axial Carriage		
Excavator Bucket Capacity	0.26	Cum