

**970 ELITE 980 ELITE****Specification**

Operating Weight	7537 kg
Net Engine Power	74.5 kW (100 hp)
Dig Depth	4431 – 5775 mm

Benefits

- Engine emission compliant to EU Stage 3A, US EPA Tier 3
- 500 hours service period
- 4 speed powershift gearbox
- High transport speed for reduced highway journey times
- Foot operated differential lock for ease of operation
- High capacity long life sealed wet disc brakes
- Selectable 2 or 4 wheel braking
- Closed centre flow sharing hydraulics
- Cleanable hydraulic oil coolers
- 4 wheel steer, with 3 steering modes

Specification

Engine	
Engine Model	1104D-44T
Capacity	4.4 ltr
Rated Speed	2200 rpm
Gross Power @ 2200 rpm Cert. Rating to UN/ECE R120	74 (100*) kW (hp)
Derived Net Rating @ 2200 rpm to ISO/80/1269/EC	70.3* (94*) kW (hp)
Max Torque @ 1400 rpm UN/ECE R120 ISO 80/1269/EC	392 Nm 395* Nm

*Nominal Non-Certified Values

Transmission			
Tyres	Front:	Rear:	
	16.9 x 24	16.9 x 24	
Travel Speeds	Forward:	Reverse:	
	1st	6.2 km/h	7.3 km/h
	2nd	11.6 km/h	14.8 km/h
	3rd	21 km/h	
	4th	39.7 km/h	

Loader Performance		
	Standard Shovel	7-in1 Shovel
Shovel Breakout	54,515 N	52,860 N
Arms Breakout	51,625 N	48,280 N
Lift Capacity To Full Height	3959 kg	3563 kg

Loader Attachments		
	Standard Shovel	7-in1 Shovel
Width	2387 mm	2387 mm
Capacity	1.2 m ³	1.2 m ³
Weight	430 kg	767 kg

Backhoe Attachments			
Attachments	Width	Capacity	Weight
Trench Bkts	305 mm	83 ltrs	94 kg
	450 mm	124 ltrs	112 kg
	600 mm	184 ltrs	134 kg
	600 mm	233 ltrs	143 kg
	750 mm	248 ltrs	155 kg
	900 mm	312 ltrs	177 kg
Ditch cleaning	1525 mm	220 ltrs	145 kg
	1830 mm	300 ltrs	176 kg
Sq hole bucket	900 mm	125 ltrs	160 kg

Backhoe Performance			
	Standard Dipper	Deep Dig Dipper	
		Ret	Ext
Slew Torque	16,100 Nm	16,100 Nm	16,100 Nm
Dipper Tearout	38,700 N	38,700 N	25,930
Bucket Tearout	51,585 N	51,585 N	51,585 N
Hydraulic Lift Capacity (Including Bucket)	1564 kg	1297 kg	918 kg

Total Machine Weight	
Total Machine Weight	7537 kg
<i>Add/Delete</i>	
7 in 1 Multi - Purpose	+337 kg
7 in 1 Multi - Purpose Fork Kit	+153 kg
Deep Dig Dipper	+217 kg

Axles and Brakes
Outboard planetary final drives for easier servicing.
Foot operated hydraulically actuated differential lock.
16° front axle oscillation to maintain maximum ground contact and traction.
Self-equalizing and self adjusting.
Independent brake operation.
Selectable 2 or 4 wheel braking.

Hydraulics	
Main Pump @ 2200 rpm	80 lpm
Secondary Pump @ 2200 rpm	80 lpm
System Main Relief Setting @ 2200 rpm	225 bar
Unloader Settings @ 2200 rpm	207 bar
Combined flow	160 l/min

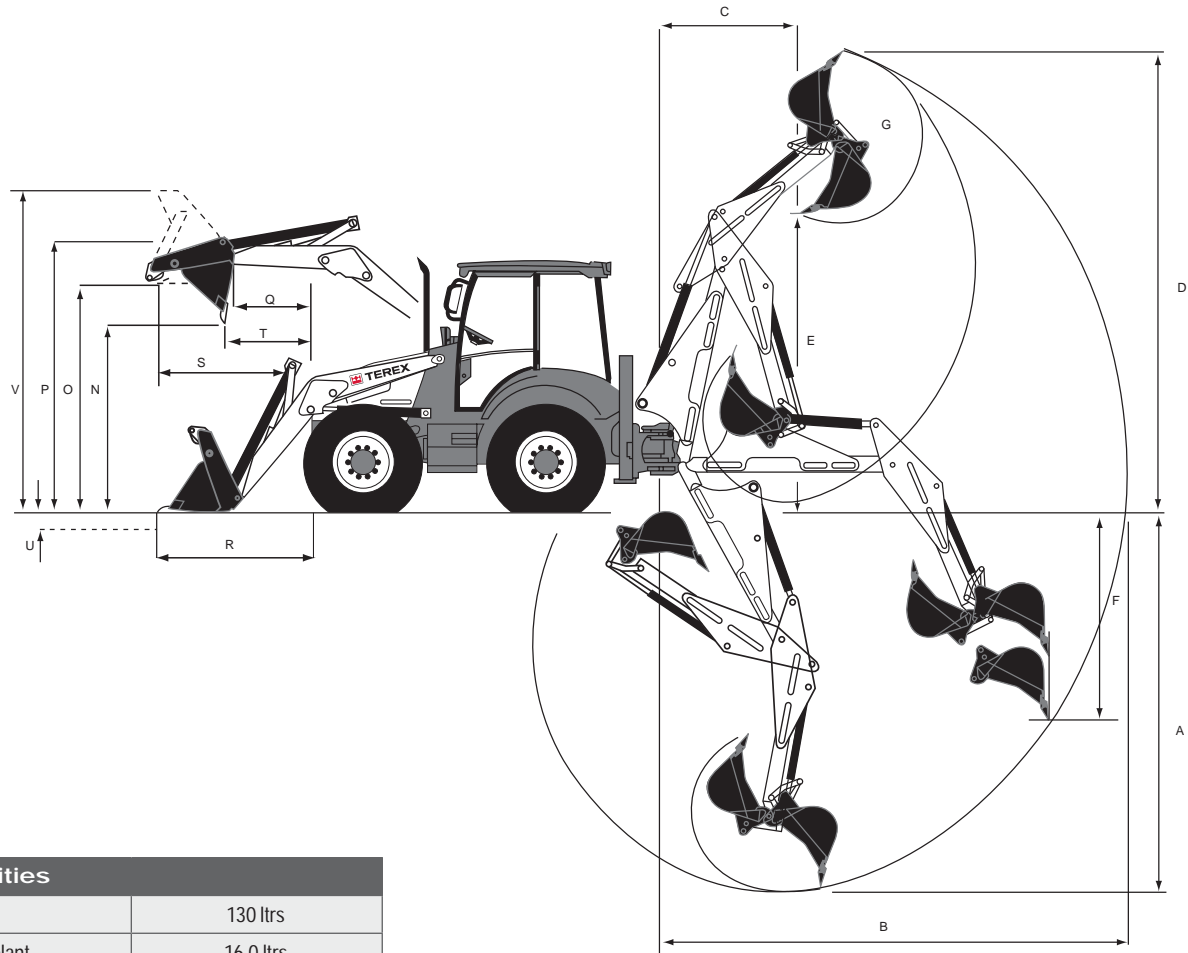
Electrics	
12 volt system	
Battery step mounted for good access	
Low maintenance battery	
100 A alternator	
Connectors sealed against water and dust	
33 circuit fuses	
25 circuit relays	
Battery isolator	

Forks	
Fork Length	1067 mm
Section Width	80 mm
Assembly Weight	153 kg
Max. Operating Height	3199 mm
Reach at Ground Level	2660 mm
Reach at Full Height	2251 mm
S.W.L. At 500mm Load Centre	1000 kg

Turning Circles		
	Over Tyres	Over Bucket
2 Wheel Steer	11.4 m	13.1 m
4 Wheel Steer	7.3 m	9.3 m
With Brakes	6.7 m	8.8 m

Depending on tyre size

Working Ranges

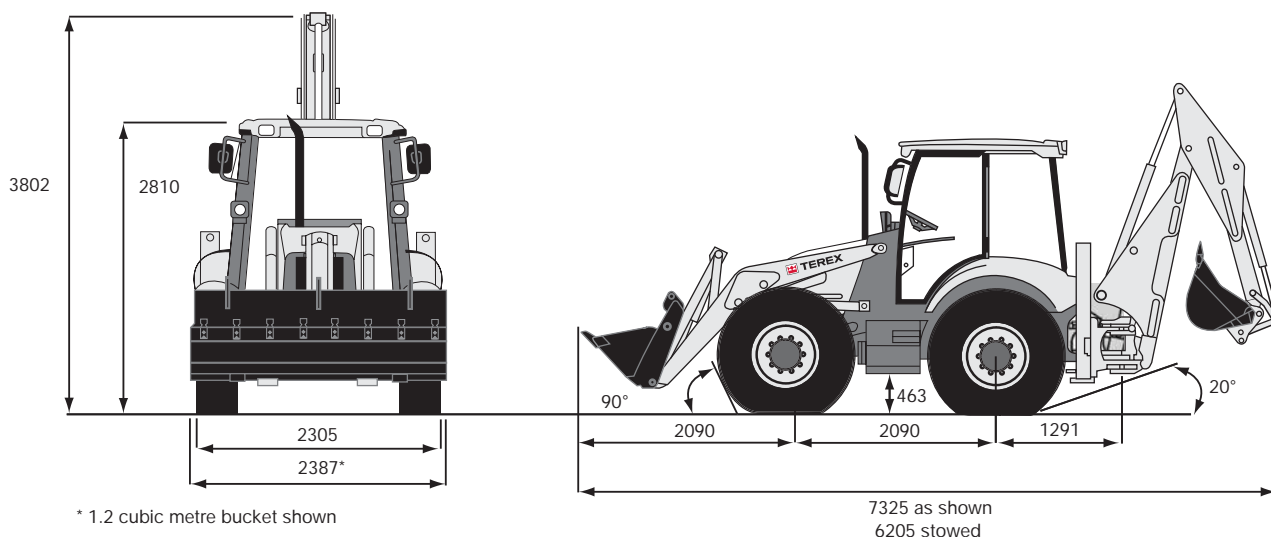


Capacities	
Fuel Tank	130 ltrs
Engine Coolant	16.0 ltrs
Engine Oil (inc. Filter)	8.5 ltrs
Transmission	18 ltrs
Rear Axle	13 ltrs
Front Axle	12 ltrs
Hydraulic System	143 ltrs

Backhoe Dimensions				
		Standard Dipper	Deep Dig Dipper	
			Ret	Ext
A	Dig Depth - Maximum SAE	4431 mm	4431 mm	5775 mm
	2ft Flat Bottom SAE	4415 mm	4415 mm	5764 mm
B	Reach - Ground Level to Slew	5725 mm	5725 mm	7016 mm
C	Loading Reach	1996 mm	1996 mm	2924 mm
D	Operating Height	5699 mm	5699 mm	5699 mm
E	Loading Height SAE	3593 mm	3593 mm	4571 mm
	Max Load Height	3911 mm	3911 mm	4889 mm
F	Maximum Straight Wall Dig Depth	2562 mm	2562 mm	3951 mm
G	Bucket - Rotation	194°	194°	194°
	Total Side Shift	1286 mm	1286 mm	1286 mm
	Stabiliser Spread	2115 mm	2115 mm	2115 mm
	Max Levelling Angle	8°	8°	8°

Loader Dimensions			
		Standard Shovel	7-in-1 Shovel
N	Dump Clearance at 45°	2748 mm	2748 mm
	Dump Height (Fully Dumped)	2669 mm	2669 mm
O	Loadover Height	3350 mm	3350 mm
P	Hinge Pin Height	3590 mm	3590 mm
Q	Pin Forward Reach	352 mm	352 mm
R	Reach at Ground	1582 mm	1582 mm
S	Max. Reach at Full Height	1282 mm	1282 mm
T	Reach at Full Height- 45°	829 mm	829 mm
	Reach at Full Height- Fully Dumped	645 mm	645 mm
U	Dig Depth	116 mm	116 mm
	Rollback at Ground	45°	45°
	Max Dump Angle	57°	57°
V	Overall Operating Height	4338 mm	4388 mm

Dimensions



Specifications

Cab

Low internal noise level of just 78 dBA	Air re-circulation enables quick warm up on cold days
Large areas of tinted glass allow superb all round visibility	Two front and two rear defrosting vents
Low line curved hood enhances forward visibility	Powerful 3 speed heater supplies a further two forward and three rear vents
Full depth rear window for comprehensive visibility to the trench	Air conditioning option available
In the raised position the rear window provides ventilation yet gives protection from rain	Extensive stowage facilities
Door windows can be partially or fully opened for maximum ventilation	Heavy duty easy to clean rubber floor mat
Cab is ROPS and FOPS approved for operator comfort	Twin externally mounted rear view mirrors
Well laid out controls for ease of operation	Hazard warning and full lighting controls
Touch operated switches for operator convenience	Audible/visual warning covering park brake, transmission oil temp, engine coolant, engine oil pressure, hydraulic oil filter and air cleaner
Instrumentation easy to clean	Visual indication on 4wd engagement, hazard lights, main beam, battery charge, direction indicators and front / rear wipers
Spacious interior giving ample room to the operator at both work stations	Adjustable rear working lights
Wide door opening, self-cleaning steps and large grab rails make access easy	Electronic loader control and mechanical backhoe controls
Adjustable tilt steering wheel to suit all operating styles	
Fully adjustable suspension seat with lap belt maximises operator comfort	

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