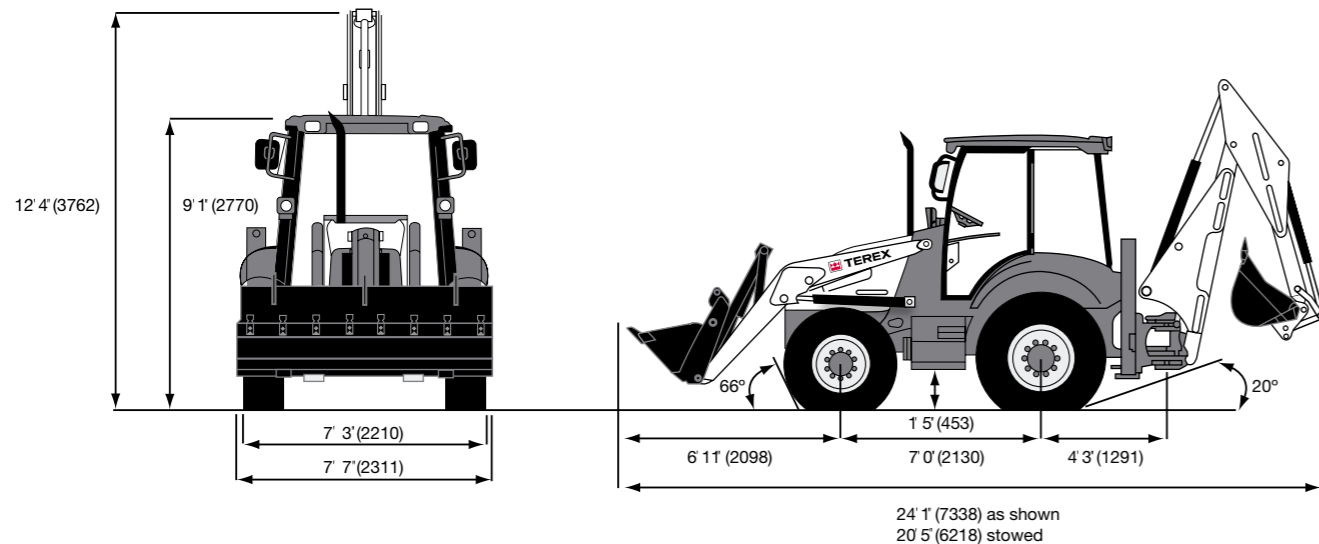


Dimensions



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	
Spacious interior giving ample room to the operator at both work stations	Visual indication on 4wd engagement, hazard lights, main beam, battery charge, direction indicators and front / rear wipers
Wide door opening, self-cleaning steps and large grab rails make access easy	
Adjustable tilt steering wheel to suit all operating styles	Adjustable rear working lights
Fully adjustable suspension seat with lap belt maximises operator comfort	



BACKHOE LOADER



Effective Date: 01 November 2008. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2008 Terex Corporation. ♻️ Printed on material using 55% recycled fibre from both pre and post-consumer sources, together with 45% virgin ECF fibre from sustainable forests. 860-880 1108-EN

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860 SX
860 ELITE

Specification

Operating Weight 7,370 kg
Gross Engine Power 74.5 kW (100 hp)
Dig Depth 4,438 – 5,782 mm

880 SX
880 ELITE

Benefits

- Engine emission compliant to EU Stage 3A, US EPA Tier 3
- 500 hours service period
- 4 speed synchro shuttle or 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

Specification

Engine	
Engine Model	1104D-44T
Capacity	269in ³ (4.4 ltr)
Rated Speed	2200 rpm
Gross Power @ 2200 rpm Cert. Rating to UN/ECE R120	74.5 (100*) kW(hp)
Derived Net Rating @ 2200 rpm to ISO/80/1269/EC	65.7* (88.1*) kW(hp)
Max Torque @ 1400 rpm UN/ECE R120 ISO 80/1269/EC	392 (289*) Nm(lbfft) 373* (275*) Nm(lbfft)

*Nominal Non-Certified Values

Synchro Shuttle Transmission

Tyres	860 SX		880 SX	
Front	16/70 x 20	16/70 x 20	16/70 x 20	16/70 x 20
Rear	18.4 x 26	16.9 x 30	18.4 x 26	16.9 x 30
Travel Speeds (forward/reverse)				
1st	5.9 (3.7) Km/h (mph)		6.1 (3.8) Km/h (mph)	
2nd	9.5 (5.9) Km/h (mph)		9.9 (6.2) Km/h (mph)	
3rd	19.8 (12.3) Km/h (mph)		20.6 (12.8) Km/h (mph)	
4th	37.5 (23.3) Km/h (mph)		38.9 (24.2) Km/h (mph)	

Powershift Transmission

Tyres	860 Elite		880 Elite	
Front	16/70 x 20	16/70 x 20	16/70 x 20	16/70 x 20
Rear	18.4 x 26	16.9 x 30	16.9 x 30	16.9 x 30
Travel Speeds (forward)				
1st	5.9 (3.6) Km/h (mph)		6.1 (3.8) Km/h (mph)	
2nd	9.7 (6.0) Km/h (mph)		9.9 (6.2) Km/h (mph)	
3rd	21.9 (13.2) Km/h (mph)		21.8 (13.5) Km/h (mph)	
4th	40.0 (24.9) Km/h (mph)		41.2 (25.6) Km/h (mph)	
Travel Speeds (reverse)				
1st	5.9 (3.6) Km/h (mph)		6.1 (3.8) Km/h (mph)	
2nd	9.7 (6.0) Km/h (mph)		9.9 (6.2) Km/h (mph)	
3rd	21.9 (13.2) Km/h (mph)		21.8 (13.5) Km/h (mph)	

Loader Performance

	Standard Shovel	7-in-1 Shovel
Shovel Breakout	5575 (12291) kgf (lbf)	5495 (12114) kgf (lbf)
Arms Breakout	4952 (10917) kgf (lbf)	5284 (11649) kgf (lbf)
Lift Capacity To Full Height	3984 (8783) kg (lb)	3593 (7921) kg (lb)

Backhoe Attachments

Attachments	Width	Capacity	Weight
Trench Bkts	12in (305mm)	2.94ft ³ (83ltrs)	207lb (94kg)
	18in (450mm)	4.37ft ³ (124ltrs)	247lb (112kg)
	24in (600mm)	6.51ft ³ (184ltrs)	295lb (134kg)
	24in (600mm)	8.22ft ³ (233ltrs)	295lb (143kg)
	30in (750mm)	8.74ft ³ (248ltrs)	342lb (155kg)
	36in (900mm)	11.03ft ³ (312ltrs)	390lb (177kg)
Ditch cleaning	60in (1525mm)	8.0ft ³ (220ltrs)	320lb (145kg)
	72in (1830mm)	10.0ft ³ (300ltrs)	388lb (176kg)
Sq hole bucket	36in (900mm)	4.41ft ³ (125ltrs)	353lb (160kg)

Total Machine Weight

Total Machine Weight	16214 (7370) lb (kg)
<i>Add/Delete</i>	
7 in 1 Multi - Purpose	+726 (330) lb (kg)
7 in 1 Multi - Purpose Fork Kit	+330 (150) lb (kg)
Deep Dig Dipper	+477 (217) lb (kg)
Powershift	+352 (160) lb (kg)

Axles and Brakes

Axle Ratings	Tyres	SAE J43
Front kg (lbs)	16/70 x 20	6300 (13860)
Rear kg (lbs)	16.9 x 30	6155 (13541)

Hydraulics

Main Pump @ 2200 rpm	17.7/80 gpm (lpm)
Secondary Pump @ 2200 rpm	17.7/80 gpm (lpm)
System Main Relief Setting @ 2200 rpm	3250/225 psi (bar)
Unloader Settings @ 2200 rpm	3000/207 psi (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

Capacities

Fuel Tank	130 (29) ltrs (gals)
Engine Coolant	16.0 (3.5) ltrs (gals)
Engine Oil (inc. Filter)	8.5 (1.9) ltrs (gals)
Transmission	15.0 (3.3) ltrs (gals)
Transmission Powershift	18.0 (4) ltrs (gals)
Rear Axle	17.5 (3.9) ltrs (gals)
Front Axle (4WD)	12.5 (2.7) ltrs (gals)
Hydraulic System	143 (31.7) ltrs (gals)

Turning Circles

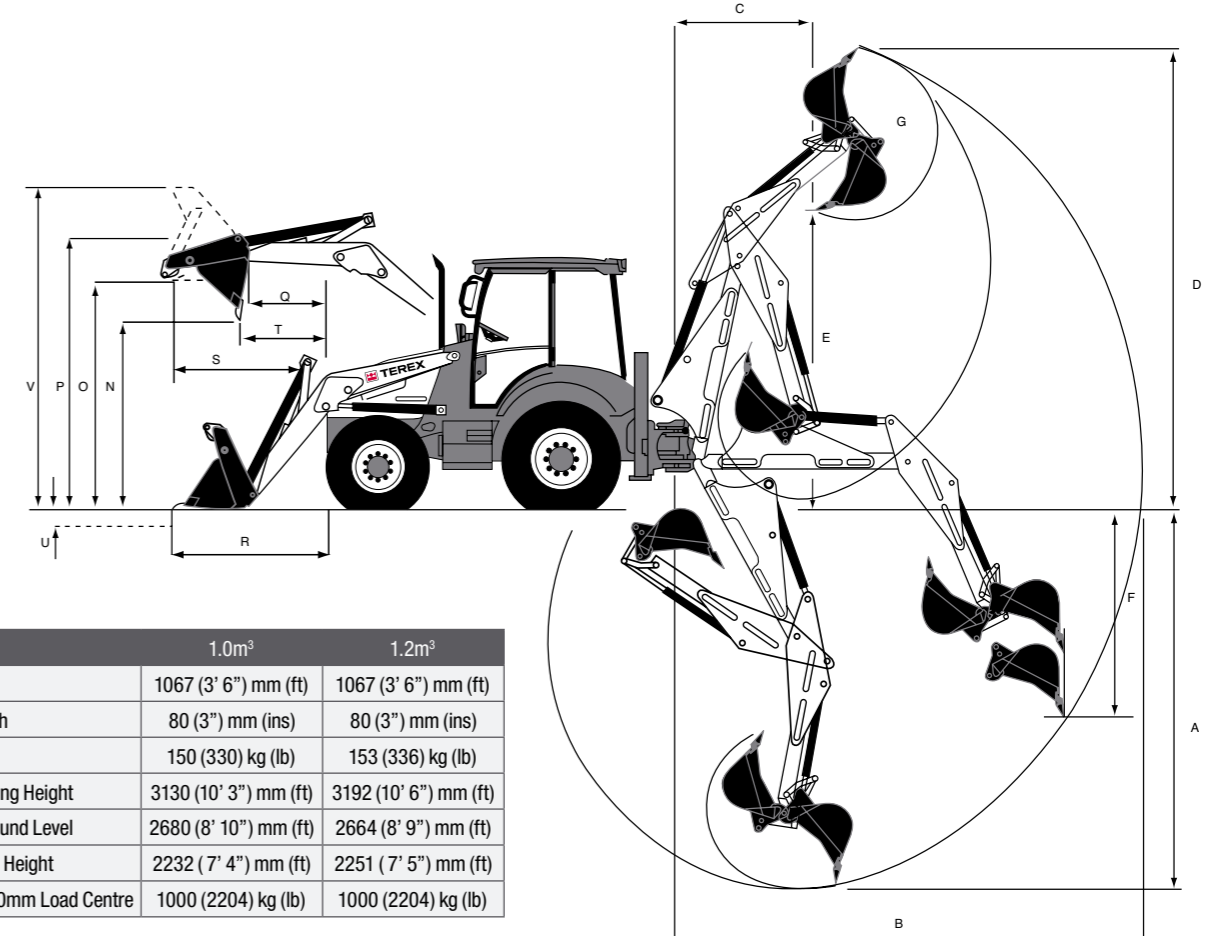
	Over Tyres	Over Bucket
Without Brakes	7.9 (25' 9") m(ft)	10.6 (34' 7") m(ft)
With Brakes	7.0 (23' 0") m(ft)	9.7 (31' 10") m(ft)

Depending on tyre size

Loader Attachments

	Standard Shovel	7-in-1 Shovel
860 SX	Width 2311 (7' 7") mm (ft) Capacity 1.0 (1.32) m ³ (yd ³) Weight 400 (880) kg (lb)	Width 2311 (7' 7") mm (ft) Capacity 1.0 (1.32) m ³ (yd ³) Weight 730 (1606) kg (lb)
860 Elite	Width 2387 (7' 10") mm (ft) Capacity 1.2 (1.56) m ³ (yd ³) Weight 430 (946) kg (lb)	Width 2387 (7' 10") mm (ft) Capacity 1.2 (1.56) m ³ (yd ³) Weight 767 (1687) kg (lb)

Working Ranges



Forks	1.0m ³	1.2m ³
Fork Length	1067 (3' 6") mm (ft)	1067 (3' 6") mm (ft)
Section Width	80 (3") mm (ins)	80 (3") mm (ins)
Assembly w	150 (330) kg (lb)	153 (336) kg (lb)
Max. Operating Height	3130 (10' 3") mm (ft)	3192 (10' 6") mm (ft)
Reach at Ground Level	2680 (8' 10") mm (ft)	2664 (8' 9") mm (ft)
Reach at Full Height	2232 (7' 4") mm (ft)	2251 (7' 5") mm (ft)
S.W.L. At 500mm Load Centre	1000 (2204) kg (lb)	1000 (2204) kg (lb)

Backhoe Dimensions

	Standard Dipper	Deep Dig Dipper	
		Ret	Ext
A Dig Depth - Maximum SAE 2ft Flat Bottom SAE	4438 (14' 7") mm (ft) 4422 (14' 6") mm (ft)	4438 (14' 7") mm (ft) 4422 (14' 6") mm (ft)	5782 (19') mm (ft) 5771 (18' 11") mm (ft)
B Reach - Ground Level to Slew	5726 (18' 9") mm (ft)	5726 (18' 9") mm (ft)	7017 (23') mm (ft)
C Loading Reach	1996 (6' 7") mm (ft)	1996 (6' 7") mm (ft)	2924 (9' 7") mm (ft)
D Operating Height	5692 (18' 8") mm (ft)	5692 (18' 8") mm (ft)	6670 (21' 11") mm (ft)
E Loading Height SAE Max Load Height	3586 (11' 9") mm (ft) 3904 (12' 10") mm (ft)	3586 (11' 9") mm (ft) 3904 (12' 10") mm (ft)	4564 (15') mm (ft) 4882 (16") mm (ft)
F Maximum Straight Wall Dig Depth	2569 (8' 5") mm (ft)	2569 (8' 5") mm (ft)	3958 (13') mm (ft)
G Bucket - Rotation	194°	194°	194°
Total Side Shift	1286 (4' 3")	1286 (4' 3")	1286 (4' 3")
Stabiliser Spread	2115 (6' 11")	2115 (6' 11")	2115 (6' 11")
Max Levelling Angle	8°	8°	8°

Backhoe Performance

	Standard Dipper	Deep Dig Dipper	
		Ret	Ext
Slew Torque	16100 (11875) Nm (lbfft)	16100 (11875) Nm (lbfft)	16100 (11875) Nm (lbfft)
Dipper Tearout	3946 (8670) kgf (lbf)	3946 (8670) kgf (lbf)	2644 (5829) kgf (lbf)
Bucket Tearout	5260 (11596) kgf (lbf)	5260 (11596) kgf (lbf)	5260 (11596) kgf (lbf)
Hydraulic Lift Capacity (Including Bucket)	1564 (3448) kg (lb)	1297 (2859) kg (lb)	918 (2024) kg (lb)

Loader Dimensions

	Standard 7 Shovel	7-in-1 Shovel
N Dump Clearance at 45° Dump Height (Fully Dumped)	2741 (9') mm (ft) 2662 (8' 9") mm (ft)	2741 (9') mm (ft) 2662 (8' 9") mm (ft)
O Loadover Height	3343 (11') mm (ft)	3343 (11') mm (ft)
P Hinge Pin Height	3583 (12' 8") mm (ft)	3583 (12' 8") mm (ft)
Q Pin Forward Reach	352 (1' 2") mm (ft)	352 (1' 2") mm (ft)
R Reach at Ground	1600 (5' 3") mm (ft)	1600 (5' 3") mm (ft)
S Max. Reach at Full Height	1282 (4' 3") mm (ft)	1282 (4' 3") mm (ft)
T Reach at Full Height- 45° Reach at Full Height- Fully Dumped	829 (2' 9") mm (ft) 645 (2' 1") mm (ft)	829 (2' 9") mm (ft) 645 (2' 1") mm (ft)
U Dig Depth Rollback at Ground Max Dump Angle	123 (5") mm (in) 45° 57°	123 (5") mm (in) 45° 57°
U Overall Operating Height	4263 (14') mm (ft)	4313 (14' 2") mm (ft)