



H853 COMBO

TRENCHER

DIMENSIONS

	U.S.	METRIC
Trench depth, maximum	69 in	1753 mm
Trench width	6-12 in	150-300 mm
Boom travel up	49°	49°
Boom travel down	56°	56°
Headshaft height - digging chain	32.7 in	831 mm
Transport length*	92.5 in	2350 mm
Transport height*	106 in	2692 mm
Angle of departure	29°	29°
Center of trench to outside edge, left	22.6 in	574 mm
Center of trench to outside edge, right	64.8 in	1646 mm
Spoil discharge reach minimum	19 in	480 mm
Headshaft overhang	42.7 in	1085 mm



HEADSHAFT SPEEDS @ 2600RPM ENGINE

Low speed motor	174 rpm	174 rpm
Standard speed motor	219 rpm	219 rpm
High speed motor	275 rpm	275 rpm

DIGGING CHAIN

12-tooth, 2" (50-mm) pitch headshaft sprocket

Low speed motor	352 ft/min	107 m/min
Standard speed motor	443 ft/min	135 m/min
High speed motor	557 ft/min	170 m/min

14-tooth, 2" (50-mm) pitch headshaft sprocket

Low speed motor	410 ft/min	125 m/min
Standard speed motor	515 ft/min	157 m/min
High speed motor	647 ft/min	197 m/min

10-tooth, 3.067" (78-mm) pitch headshaft sprocket

Low speed motor	452 ft/min	168 m/min
Standard speed motor	569 ft/min	174 m/min
High speed motor	715 ft/min	218 m/min

*Diminsions w/48" boom

PLOW

DIMENSIONS

	U.S.	METRIC
Angle of departure, transport, no blade	46.7°	46.7°
Angle of departure, transport, 24-inch blade	25.3°	25.3°
Angle of departure, transport, 30-inch blade	29.8°	29.8°
Angle of depression, plow maximum	7°	7°
Height transport	97 in	2586 mm
Attachment length, fully lowered, no blades	96.7 in	2456 in
Attachment length, fully raised, no blades	70 in	1778 mm
Blade ground clearance, 30-inch blade	33.1 in	841 mm

Cover depth*	36 in	914 mm
Penetration*	40 in	1020 mm
Plow swing angle, left	0°	0°
Plow swing angle, right	44°	44°
Inclusive blade steer angle	89°	89°
Center of plow to outside edge of machine left	48.3 in	1227 mm
Center of plow to outside edge of machine right	39 in	993 mm

OPERATION

Plow vibrator force @ 1800 rpm	35,215 lb	157 kN
<i>Maximum material diameter</i>		
Pulled	3 in	80 mm
Fed	2in	50 mm

GENERAL

Attachment weight without boom, chain, or plow blade	3455 lb	1567 kg
Counterweight required (see Dealer)		

* Suggested maximum. Plow blade used will be determined by job requirements and soil conditions.