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# *SD-25 D/F*

*TF Series Soil Compactors*



*Moving the  
World Forward*

# Performance matters, no matter the size

When you need outstanding agility and performance, the 2.6 ton SD-25D smooth drum and SD-25F padfoot drum, soil compactors will get the job done. With the ability to get in and out of 4-foot wide trenches, the SD-25 models are the right size for commercial and residential site development, utility installations, roads, driveways, and landscaping jobs. An available clamp-on padfoot shell kit for the SD-25D also increases its versatility.

MODEL	SD-25D	SD-25F
<b>MACHINE WEIGHTS (W/ ROPS / FOPS)</b>		
Operating Weight (CECE) – lb (kg)	5,650 (2562)	5,920 (2685)
Static Weight @ Drum – lb (kg)	2,850 (1292)	3,120 (1415)
Static Weight @ Tires – lb (kg)	2,800 (1270)	2,800 (1270)
Shipping Weight – lb (kg)	5,464 (2478)	5,734 (2600)
<b>MACHINE DIMENSIONS</b>		
Length – in (mm)	125.3 (3175)	125.3 (3175)
Width – in (mm)	49.4 (1254)	49.4 (1254)
Height (top of ROPS / FOPS) – in (mm)	89 (2250)	90.3 (2294)
Wheelbase – in (mm)	66 (1673)	66 (1673)
Curb Clearance – in (mm)	8.6 (218)	10.7 (271)
Inside Turning Radius (measured to drum edge) – in (mm)	84 (2148)	84 (2148)
<b>DRUM</b>		
Width – in (mm)	42 (1067)	42 (1067)
Diameter – in (mm)	31 (787)	31 (787)
Shell Thickness – in (mm)	0.47 (12)	0.47 (12)
Diameter Over Pad Feet – in (mm)	N/A	36 (914)
Number Of Pad Feet	N/A	45
Pad Height – in (mm)	N/A	2.5 (64)
Pad Tip Area – sq in (cm <sup>2</sup> )	N/A	8.5 (55)
<b>VIBRATION</b>		
Frequency – vpm (Hz)	2,200 (36.7)	2,200 (36.7)
Centrifugal Force – lb (kN)	14,020 (62)	12,500 (55.6)
Nominal Amplitude – in (mm)	0.062 (1.57)	0.055 (1.40)
<b>PROPULSION</b>		
Type System	Hydrostatic with Twin Lock torque transfer system, single-speed motor on drum & wheels	
Drum Drive	Low speed, high torque motor	
Tire Size	8 x 16 -6PR R1 Lug	8 x 16 -6PR R1 Lug
Travel Speed – mph (km/h)	0 – 5.6 (0 – 9.0)	0 – 6.0 (0 – 9.6)
<b>ENGINE</b>		
Make & Model	Kubota V2203-M Tier 2	
Engine Type	Turbocharged 4-cylinder	
Rated Power @ 2,450 rpm – hp (kW)	44 (32.8)	44 (32.8)
Electrical System	12 volts DC, negative ground; 40 A alternator; 750 CCA battery	
<b>BRAKES</b>		
Service	Dynamic hydrostatic through propulsion system	
Parking / Secondary	Spring-applied, hydraulically released on rear axle	
<b>MISCELLANEOUS</b>		
Articulation	+ / - 35°	+ / - 35°
Oscillation Angle	+ / - 12°	+ / - 12°
Fuel Capacity – gal (L)	12 (45)	12 (45)
Hydraulic Oil Capacity – gal (L)	15 (57)	15 (57)
Gradeability (theoretical)	60%	50%



## PERFORMANCE FEATURES

- Adjustable front drum scraper
- Cold starting aid
- Cup holder and storage
- Engine hood sloped for ONE METER BY ONE METER operator visibility
- Hour meter gauge and fuel gauge with low fuel warning
- Hydraulic hoses inside drum frame for protection
- Isolated operator's platform reduces fatigue; ergonomic design with seat, console, and controls all located within operator zone of comfort and reach
- Lug-type tire set track within drum width
- Oil level sight gauges for eccentric oil and hydraulic oil reservoirs
- Rear-hinged engine cover for service access
- Safety features include ROPS / FOPS, seat belt, back-up alarm, seat switch, emergency stop button, horn, safety rails, and grab handles
- Warning lights and audible alarms for air restriction, battery discharge (light only), engine coolant temperature, engine oil pressure, and hydraulic oil temperature

## AVAILABLE OPTIONS

- Clamp-on padfoot shell kit
- Inside drum scraper bar
- Rotating beacon light
- Strike-off blade (2-way)
- Strike-off blade (4-way, semi U-shape)
- Universal front drum scraper
- Vandal cover
- Work lights (two front and two rear) mounted on ROPS / FOPS

Product improvement is a continuing goal at Ingersoll Rand. Designs and specifications are subject to change without notice or obligation.



## VERSATILITY FOR ALL YOUR JOBS

The choice between a 2-way or 4-way strike-off blade kit provides flexibility for backfilling and leveling applications. Additionally, a two-piece, clamp-on padfoot shell kit option easily and quickly converts the SD-25D smooth drum into a padfoot drum without changing the hydraulic system.



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