



# *SD-160 & SD-200*

*TF Series Soil Compactors*



*Moving the  
World Forward*

# Tackle the toughest jobs on earth

When the Ingersoll Rand SD-160 and SD-200 weigh in, your most demanding projects are under control. Abundant horsepower, massive centrifugal forces, high static weight, Ultra-Grade® traction system, and a robust drum are among their strengths. Handling thicker lifts with fewer passes, the compaction forces of the SD-160 and SD-200 deliver maximum productivity.

MODEL		SD-160DX	SD-160F	SD-200DX	SD-200F
<b>MACHINE WEIGHTS</b>					
Operating Weight (CECE) – lb (kg)		35,200 (15964)	36,400 (16508)	45,000 (20408)	44,500 (20181)
Static Weight @ Drum – lb (kg)		24,200 (10975)	25,400 (11519)	30,000 (13605)	29,500 (13378)
Shipping Weight – lb (kg)		34,900 (15827)	36,100 (16371)	44,700 (20271)	44,200 (20045)
<b>MACHINE DIMENSIONS</b>					
Length – in (mm)		236 (5998)	236 (5994)	247 (6280)	247 (6280)
Width – in (mm)		95 (2406)	95 (2406)	98 (2486)	98 (2486)
Height (ROPS) – in (mm)		123 (3116)	125 (3180)	123 (3120)	125 (3180)
Wheelbase – in (mm)		122 (3109)	122 (3109)	127 (3215)	127 (3215)
Curb Clearance – in (mm)		21 (528)	25 (635)	18 (468)	22 (547)
Inside Turning Radius – in (mm)		136 (3463)	136 (3463)	136 (3463)	136 (3463)
<b>DRUM</b>					
Width – in (mm)		84 (2134)	84 (2134)	84 (2134)	84 (2134)
Diameter – in (mm)		63 (1600)	63 (1600)	65 (1651)	63.8 (1621)
Shell Thickness – in (mm)		1.38 (35)	1.38 (35)	1.57 (40)	1.0 (25)
Diameter Over Pad Feet – in (mm)		N/A	73.1 (1854)	N/A	73.8 (1875)
Number Of Pad Feet		N/A	120	N/A	136
Pad Height – in (cm)		N/A	5 (127)	N/A	5 (127)
Pad Tip Area – sq in (cm²)		N/A	21 (125)	N/A	21 (125)
<b>VIBRATION</b>					
Frequency – vpm (Hz)	High	2,025 (33.8)	2,025 (33.8)	1,850 (30.8)	1,850 (30.8)
	Low	1,850 (30.8)	1,650 (27.5)	1,850 (30.8)	1,700 (28.3)
Centrifugal Force – lb (kN)	High	76,300 (339)	87,000 (387)	82,800 (368)	80,800 (359)
	Low	59,400 (264)	76,200 (339)	53,700 (239)	72,600 (323)
Nominal Amplitude – in (mm)	High	0.078 (1.97)	0.087 (2.21)	0.069 (1.76)	0.078 (1.99)
	Low	0.050 (1.28)	0.066 (1.68)	0.045 (1.14)	0.059 (1.51)
<b>PROPULSION</b>					
System Type		Hydrostatic 2-speed motor, planetary axle with No-Spin® differential, 2-speed drum drive motor			
Tire Size		23.1 x 26-8PR R3	23.1 x 26-8PR R1	23.1 x 26-10PR R3	23.1 x 26-10PR R1
Travel Speed – mph (km/h)	High	7.7 (12.5)	8.1 (13.1)	7.9 (12.7)	8.4 (13.5)
	Low	2.8 (4.5)	2.9 (4.7)	2.7 (4.4)	2.9 (4.6)
<b>ENGINE</b>					
Make		Cummins	Cummins	Cummins	Cummins
Model		B5.9-TAA	B5.9-TAA	QSB5.9-TAA	QSB5.9-TAA
Type		Turbocharged and charge air-cooled 6-cylinder			
Rated Power @ 2,200 rpm – hp (kW)		173 (129)	173 (129)	205 (152.9)	205 (152.9)
<b>MISCELLANEOUS</b>					
Fuel Capacity – gal (L)		68 (257)	68 (257)	68 (257)	68 (257)
Hydraulic Oil Capacity – gal (L)		27 (104)	27 (104)	27 (104)	27 (104)
Gradeability (theoretical)		69%	57%	58%	49%

Product improvement is a continuing goal at Ingersoll Rand.

Designs and specifications are subject to change without notice or obligation.



## SERVICEABILITY

One-piece, rear-hinged engine cover for complete access and tilting operator platform for hydraulic access.

## STANDARD FEATURES

- Back-up alarm, seat switch, horn, and emergency stop
- Inside drum scraper bar
- Premium isolated platform
- ROPS / FOPS with seat belts
- Tilting steering column
- Ultra-Grade® full-time traction control system
- Variable frequency

## AVAILABLE OPTIONS

- Air pre-cleaner
- Auto vibration on / off switch
- Cold start aid (standard on SD-200)
- Density / compactometer
- Impact meter
- Rotating beacon light
- Strike-off blade (padfoot only)
- Vandal cover
- Vpm meter and speedometer
- Working lights



## OPTIONAL PADFOOT SHELL KIT (SD-160DX ONLY)

A two-piece, clamp-on padfoot shell kit easily and quickly converts the smooth drum into a padfoot drum without changing the hydraulic system. Drum conversion is completed by installing the two shells and replacing the smooth scraper bar with padfoot teeth.



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