



Smooth, Efficient Compaction in Complex Applications

The Ingersoll-Rand SX and DX Series of vibratory walk-behind compactors deliver the industry's best combination of rolling width, static weight, centrifugal force, and frequency. These single- and double-drum walk-behind compactors are designed for high productivity in hot mix asphalt applications, and in applications involving such complex materials as mixed soils and sub-base aggregates. Ingersoll-Rand walk-behind compactors provide the most efficient way to achieve optimal density, smooth quality mat finishes, and jobsite productivity.



Walk-behind Compactors

Specifications

WALK-BEHIND COMPACTOR PERFORMANCE

- Hydrostatic propulsion for matching rolling speed to application requirements.
- Compact size, high curb clearance, and narrow side clearance allow for operation in confined spaces.
- Standard water sprinkler system for compaction of hot mix asphalt.
- Height-adjustable guide handles provide operator comfort and minimize roller footprint during transportation and storage.
- Sight gauges allow monitoring of hydraulic oil and fuel tank levels, and prompt routine maintenance.
- Oversized polymer water tanks extend operating intervals.

SINGLE-DRUM WALK-BEHIND PERFORMANCE

- Honda 4-cycle engine with automatic low oil shut-off delivers reliable performance on every jobsite.
- Equipped with front-mounted roller to prevent front-to-rear tipover.
- Standard features include drum scraper, fold-up guide handles, and a center-mount lifting hook.

DOUBLE-DRUM WALK-BEHIND PERFORMANCE

- Liquid-cooled, Kubota diesel engine delivers dependable operation.
- Automatic shutoff via an integrated safety lever helps protect operator.
- Standard features include electric start, front- and rear-drum scrapers, fold-up guide handles, and a center-mount lifting hook.

OPTIONS: TRUCK HOOK

- SX-170H — CPN 59954149
- DX-500E, DX-600E, and DX-700E — CPN 54679212

MODEL	SX-170H	DX-500E	DX-600E	DX-700E
SIZE / DIMENSIONS				
Operating Weight lb (kg)	595 (270)	1,300 (590)	1,410 (640)	1,635 (742)
Static Weight lb (kg)	550 (249)	1,212 (550)	1,322 (600)	1,543 (700)
Overall Length in (mm)	60.4 (1535)	91.2 (2290)	91.2 (2290)	91.2 (2290)
Overall Width in (mm)	25.6 (650)	24.3 (616)	27.0 (686)	27.6 (702)
Overall Height in (mm)	38.8 (985)	45.7 (1160)	45.7 (1160)	46.0 (1170)
Drum Diameter in (mm)	17.7 (450)	14.0 (356)	14.0 (356)	15.9 (404)
Drum Width in (mm)	22.0 (560)	22.6 (575)	25.0 (635)	25.5 (650)
Drum Shell Thickness in (mm)	0.32 (8.0)	0.32 (8.0)	0.32 (8.0)	0.38 (9.5)
Wheelbase in (mm)	N/A	20.5 (520)	20.5 (520)	22.4 (570)
PERFORMANCE				
Centrifugal Force lb (kN)	2,000 (8.9)	2,645 (11.8)	3,086 (13.7)	4,492 (20.0)
Vibration Frequency vpm (Hz)	4,460 (74)	3,300 (55)	3,300 (55)	3,300 (55)
Travel Speed (forward) mph (km/h)	0 – 1.5 (0 – 2.4)	0 – 2.2 (0 – 3.5)	0 – 2.2 (0 – 3.5)	0 – 2.2 (0 – 3.5)
Gradeability	27%	47%	47%	47%
Compaction Depth Recommended to in (mm)	9 (230)	12 (305)	13 (330)	14 (356)
ENGINE				
Make / Type	Honda, 4-cycle	Kubota, diesel	Kubota, diesel	Kubota, diesel
Model	GX160	EA300-ENB1	EA300-ENB1	EA300-ENB1
Horsepower hp (kW)	5.5 (4.1)	5.0 (3.7)	5.0 (3.7)	6.0 (4.5)
Engine Speed rpm	3,800	2,500	2,500	3,000
Fuel Tank Capacity gal (L)	1.00 (3.8)	1.27 (4.8)	1.27 (4.8)	1.27 (4.8)
MISCELLANEOUS				
Curb Clearance in (mm)	13.4 (340)	8.7 (220)	8.7 (220)	9.7 (248)
Side Clearance in (mm)	0.75 (20)	0.98 (25)	0.98 (25)	1.02 (26)
Water Capacity gal (L)	5.3 (20)	10.0 (38)	11.1 (42)	11.1 (42)

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

