



SX & DX Series

Walk-behind Compactors



Doosan Infracore
Portable Power

Smooth, efficient compaction in complex applications

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.

MODEL	SX-170H	DX-500E	DX-600E	DX-600H*	DX-700E	DX-700H*
WEIGHT & DIMENSIONS						
Operating Weight - lb (kg)	595 (270)	1300 (590)	1410 (640)	1345 (610)	1630 (740)	1565 (710)
Static Weight - lb (kg)	551 (250)	1212 (550)	1322 (600)	1256 (570)	1543 (700)	1477 (670)
Length - in (mm)	60.4 (1535)	87.0 (2210)	87.0 (2210)	87.0 (2210)	90.0 (2280)	90.0 (2280)
Width - in (mm)	25.6 (650)	24.3 (616)	27.0 (686)	27.0 (686)	27.6 (702)	27.6 (702)
Height - in (mm)	38.8 (985)	45.3 (1150)	45.3 (1150)	45.3 (1150)	46.0 (1170)	46.0 (1170)
DRUM						
Diameter - in (mm)	17.7 (450)	14.0 (356)	14.0 (356)	14.0 (356)	16.0 (406)	16.0 (406)
Width - in (mm)	22.0 (560)	22.6 (575)	25.0 (635)	25.0 (635)	25.5 (650)	25.5 (650)
Shell Thickness - in (mm)	0.32 (8.0)	0.32 (8.0)	0.32 (8.0)	0.32 (8.0)	0.38 (9.5)	0.38 (9.5)
Wheelbase - in (mm)	-	20.5 (520)	20.5 (520)	20.5 (520)	22.4 (570)	22.4 (570)
PERFORMANCE						
Centrifugal Force - lb (kN)	2000 (8.9)	2645 (11.8)	3086 (13.7)	3086 (13.7)	4492 (20.0)	4492 (20.0)
Vibrations Frequency - vpm (Hz)	4460 (74.3)	3300 (55)	3300 (55)	3300 (55)	3300 (55)	3300 (55)
Forward Travel Speed (fwd) - 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)	0 - 2.2 (0 - 3.5)	0 - 2.2 (0 - 3.5)
Forward Travel Speed (bwd) - mph (km/h)	0 - 1.5 (0 - 2.4)	0 - 1.2 (0 - 1.9)	0 - 1.2 (0 - 1.9)	0 - 1.2 (0 - 1.9)	0 - 1.2 (0 - 1.9)	0 - 1.2 (0 - 1.9)
Gradeability	27%	47%	47%	47%	36%	36%
Recommended Compaction Depth - in (mm)	9 (230)	12 (305)	13 (330)	13 (330)	14 (356)	14 (356)
ENGINE						
Make	Honda, gasoline	Kubota, diesel	Kubota, diesel	Honda, gasoline	Kubota, diesel	Honda, gasoline
Model	GX160	EA300-E2NB1	EA300-E2NB1	GX390	EA300-E2NB1	GX390
Max. Horsepower - hp (kW)	4.8 (3.6)	5.0 (3.7)	5.0 (3.7)	8.5 (6.3)	6.0 (4.5)	9.7 (7.2)
Engine Speed - rpm	3600	2500	2500	2500	3000	3000
Starting System	Recoil	Electric	Electric	Electric	Electric	Electric
Fuel Tank Capacity - qt (L)	3.28 (3.1)	5.07 (4.8)	5.07 (4.8)	6.45 (6.1)	5.07 (4.8)	6.45 (6.1)
MISCELLANEOUS						
Curb Clearance - in (mm)	13.4 (340)	8.7 (220)	8.7 (220)	8.7 (220)	9.7 (248)	9.7 (248)
Side Clearance - in (mm)	0.75 (20)	0.81 (20.5)	1.00 (25.5)	1.00 (25.5)	1.02 (26)	1.02 (26)
Water Capacity - gal (L)	5.3 (20.0)	10.0 (38)	11.1 (42)	11.1 (42)	11.1 (42)	11.1 (42)

*New units with Honda engine

Product improvement is a continuing goal at Doosan Infracore Portable Power. Designs and specifications are subject to change without notice or obligation.

PERFORMANCE FEATURES

WALK-BEHIND COMPACTORS

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

SINGLE DRUM WALK-BEHIND COMPACTORS

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

DOUBLE DRUM WALK-BEHIND COMPACTORS

- Automatic shut-off via an integrated safety lever helps protect operator
- Rugged and reliable Honda gasoline, and liquid-cooled Kubota diesel engines configurations available
- Standard features include front- and rear-drum scrapers, fold-up guide handles, and a center-mount lifting hook

