Blanchard Machinery

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Light Compaction Portfolio 2017

DOOSAN

RX-series upright rammers | Charged with industry-leading impact forces

Performance features

- Engineered to compact materials ranging from mixed and cohesive soils to heavy clays
- Equipped with a rugged and reliable 4-cycle Honda engine with recoil start, eliminating the need to mix gas and oil for better fuel economy and starting capabilities, and years of dependable operation
- Oil-splash lubrication reduces the need for daily greasing while ensuring continuous protection of all internal parts
- 4-point isolation and vibration-reducing padded grip handle minimizes operator fatigue and prolongs the life of components
- Impact force is applied to the material being compacted by a durable wooden foot, reinforced with a heavy steel plate for extended life
- Self-balancing, low profile, light weight, with a low center of gravity design provides greater maneuverability and maximum control around jobsite obstacles

Model	RX-264H	RX-304H	RX-344H
WEIGHT & DIMENSIONS			
Operating Weight – lb (kg)	127 (58)	156 (71)	157 (72)
Length – in (mm)	26.6 (675)	26.6 (675)	26.6 (675)
Width – in (mm)	15.2 (385)	18.3 (466)	18.3 (466)
Height – in (mm)	43.3 (1100)	43.3 (1100)	43.9 (1115)
Plate Size – (w x l) in (mm)	9 x 13 (230 x 330)	11 x 13 (280 x 330)	11 x 13 (280 x 330)
PERFORMANCE			
Impact Force – lb (kN)	2600 (11.2)	3000 (13.4)	3400 (15.1)
Blows per Minute	600 – 650	600 – 650	600 – 650
Travel Speed – fpm (m/min)	39 – 46 (12 – 14)	39 – 46 (12 – 14)	39 – 46 (12 – 14)
Area Capacity Per Hour – sq ft (m2)	2100 (195)	2530 (235)	2530 (235)
Max Recommended Compaction Depth – in (mm)	18 (460)	21 (530)	24 (610)
ENGINE			
Manufacturer, Type	Honda, gasoline	Honda, gasoline	Honda, gasoline
Model	GX100	GX120	GX120
Max. Horsepower – hp (kW)	2.8 (2.1)	3.5 (2.6)	3.5 (2.6)
Engine Speed – rpm	4000	3600	3600
Fuel Tank Capacity – qt (L)	2.6 (2.5)	2.6 (2.5)	2.6 (2.5)

BXR-series reversible vibratory plate compactors | Built to perform, built to last

Performance features

- Engineered for the best compaction of granular soils, mixed soils, and well-graded aggregates where turning around can be difficult or impossible with other plate compactors
- Reversing mechanism changes the direction of the machine travel by repositioning the two eccentric shafts in relation to each other, thus allowing the operator to enter and exit a confined work area along the same path
- The dual eccentric shaft technology along with heavy-duty, sealed exciter bearings provide maximum and higher centrifugal forces than forward plates
- Open base plate design permits dirt and rocks to slide off the plate for easier cleanup
- Protective engine cage with integrated lifting bail provides engine protection and easy loading and placement into trenches

Model	BXR-60H	BXR-100H	BXR-200H	BXR-300H
WEIGHT & DIMENSIONS				
Operating Weight – lb (kg)	158 (72)	330 (150)	518 (235)	716 (325)
Length – in (mm)	37.4 (950)	53.1 (1350)	58.5 (1485)	63.8 (1620)
Width – in (mm)	13.8 (350)	15.3 (390)	17.7 (450)	17.7 (450)
Height – in (mm)	33.5 (850)	37.2 (945)	39.8 (1010)	40.2 (1020)
Plate Size – (w x l) in (mm)	14 x 19 (350 x 470)	15 x 25 (390 x 630)	18 x 29 (450 x 740)	18 x 34 (450 x 860)
PERFORMANCE				
Centrifugal Force – lb (kN)	3417 (15.2)	5511 (24.5)	7053 (31.4)	9257 (41.2)
Vibrations Frequency – vpm (Hz)	5600 (93)	4200 (70)	4200 (70)	4000 (67)
Travel Speed – fpm (m/min)	65 (20)	65 (20.0)	59 (18)	59 (18)
Area Capacity Per Hour – sq ft (m2)	4500 (420)	5067 (468)	5231 (486)	5231 (486)
Max Recommended Compaction Depth – in (mm)	13 (330)	15 (380)	15 (380)	16 (410)
ENGINE				
Manufacturer, Type	Honda, gasoline	Honda, gasoline	Honda, gasoline	Honda, gasoline
Model	GX120	GX160	GX240	GX390
Max. Horsepower – hp (kW)	3.5 (2.6)	4.8 (3.6)	7.1 (5.3)	6.4 (4.8)
Engine Speed – rpm	3600	3600	3600	3600
Starting System	Recoil	Recoil	Recoil	Electric
Fuel Tank Capacity – qt (L)	2.1 (2.0)	3.3 (3.1)	5.6 (5.3)	6.4 (6.1)
AFTERMARKET ACCESSORIES				
Transport Wheel Kit/Carry Cart Option – ideal for moving compactors around jobsites with ease				
CPN (part number)	13203146	N/A	N/A	N/A
Extension Plate Set – reduces the pressure on the ground and increases surface performance				
Size (w) – in (mm)/CPN	N/A	N/A	N/A	3 (76) per side/54692603

BX-series forward vibratory plate compactors | Versatility & reliability

Performance features

- Designed for efficient compaction of granular soils, crushed aggregates, and hot mix asphalt in open jobsites of all sizes
- Powered by a durable Honda 4-cycle engine, each compactor features a belt-driven eccentric shaft, along with an oil bath excited to eliminate routine greasing
- Adjustable, folding, padded handles for operator comfort and storage in confined areas
- Handle-mounted ratcheting throttle for operator safety, convenience, and improved speed control
- Flip-over handles for ease of operation and maneuverability in confined jobsites (BX-60WH, BX-80WH,and BX-120WH)
- Strong, solid steel base plate with beveled edges for superior results and smooth turns on hot mix asphalt applications – BX-60WH, BX-80WH, and BX-120WH base plates also feature lifting handles for ease of loading and off-loading
- Equipped with a standard polyethylene removable water tank with the industry's largest capacity for increased operating intervals and operator flexibility on the BX-60WH, BX-80WH, and BX-120WH models

VP-8RH combination compactor

- Removable rubber roller-based vibratory plate designed to compact base materials when the rollers are removed, and then on finished block work when the rollers are installed

Model	BX-60WH	BX-80WH	BX-120WH	VP-8RH
WEIGHT & DIMENSIONS				
Operating Weight – lb (kg)	182 (83)	207 (94)	244 (111)	293 (133)
Length – in (mm)	37.4 (950)	37.4 (950)	37.4 (950)	32.7 (830)
Width – in (mm)	16.9 (430)	19.7 (500)	21.7 (550)	23.6 (600)
Height – in (mm)	36.0 (915)	37.0 (940)	37.2 (945)	35.4 (900)
Plate Size – (w x l) in (mm)	17 x 22 (430 x 565)	20 x 22 (500 x 565)	22 x 23 (550 x 575)	20 x 19 (500 x 480)*
*Four Rubber rollers - diameter x length: 3.4 x 18.9 (86 x 480)				
PERFORMANCE				
Centrifugal Force – lb (kN)	3400 (15.3)	4000 (18.0)	5700 (25.4)	3750 (16.7)
Vibrations Frequency – vpm (Hz)	5600 (93.3)	5600 (93.3)	5600 (93.3)	6400 (106.7)
Travel Speed – fpm (m/min)	75 – 82 (23 – 25)	75 – 82 (23 – 25)	75 – 82 (23 – 25)	N/A
Area Capacity Per Hour – sq ft (m^2)	6943 (645)	8073 (750)	8881 (825)	N/A
Max Recommended Compaction Depth – in (mm)	12 (300)	14 (350)	16.5 (410)	12 (300)
ENGINE				
Manufacturer, Type	Honda, gasoline	Honda, gasoline	Honda, gasoline	Honda, gasoline
Model	GX120	GX160	GX160	GX160
Max. Horsepower – hp (kW)	3.5 (2.6)	4.8 (3.6)	4.8 (3.6)	4.8 (3.6)
Engine Speed – rpm	3600	3600	3600	3600
Fuel Tank Capacity – qt (L)	2.1 (2.0)	3.3 (3.1)	3.3 (3.1)	3.3 (3.1)
WATER TANK				
Type (standard; polyethylene)	Removable	Removable	Removable	N/A
Capacity – qt (L)	12.6 (12)	14.7 (14)	14.7 (14)	N/A
Extension Plate Set – reduces the pressure on the ground and increases surface performance				
Size (w) – in (mm)/CPN	N/A	N/A	N/A	3 (76) per side/54692603
AFTERMARKET ACCESSORIES				
Transport Wheel Kit/Carry Cart Option – installed in three simple steps without using tools, and are ideal for moving compactors around jobsites with ease				
CPN (part number)	22195119	22195283	22195283	N/A

SX- & DX-series walk-behind vibratory rollers | Smooth, efficient compaction in complex applications

Performance features

- Designed for high productivity in hot mix asphalt and applications involving complex materials like mixed soils and sub-base aggregates
- Hydrostatic drive system enhances maneuverability by allowing operator to vary and match rolling speed to application requirements
- Adjustable guide handle folds to minimize roller footprint during transport and storage
- Compact size, high curb clearance and narrow side clearance for operation in confined spaces
- Large polyethylene water tank standard with sprinkler system extends operation intervals

Single drum: SX-series

- Perfect solution for contractors, municipalities, and repair agencies for asphalt patching jobs
- Equipped with rear-mounted roller and front-mounted bar to prevent front-to-rear tip over
- Honda 4-cycle engine with automatic low oil shut-off delivers reliable performance on every jobsite

Double drum: DX-series

- Automatic shut-off via an integrated safety lever helps protect operator
- Liquid-cooled Kubota diesel and Honda gasoline configurations with standard electric start and low oil shutdown for maximum engine protection

Model	SX–170H	DX–500E	DX–600H	DX–600E	DX–700H	DX–700E
WEIGHT & DIMENSIONS						
Operating Weight – lb (kg)	595 (270)	1300 (590)	1345 (610)	1410 (640)	1565 (710)	1630 (740)
Static Weight – lb (kg)	551 (250)	1212 (550)	1256 (570)	1322 (600)	1477 (670)	1543 (700)
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)	N/A	20.5 (520)	20.5 (520)	20.5 (520)	22.4 (570)	22.4 (570)
WEIGHT & DIMENSIONS						
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)
Backward 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	Honda, gasoline	Kubota, diesel	Honda, gasoline	Kubota, diesel
Model	GX160	EA330	GX390	EA330	GX390	EA330
Max. Horsepower – hp (kW)	4.8 (3.6)	5.0 (3.7)	8.5 (6.3)	5.0 (3.7)	9.7 (7.2)	6.0 (4.5)
Engine Speed – rpm	3600	2500	2500	2500	3000	3000
Starting System	Recoil	Electric	Electric	Electric	Electric	Electric
Fuel Tank Capacity – qt (L)	3.3 (3.1)	5.1 (4.8)	6.5 (6.1)	5.1 (4.8)	6.5 (6.1)	5.1 (4.8)
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 Tank Capacity – gal (L)	5.3 (20)	10.0 (38)	11.1 (42)	11.1 (42)	11.1 (42)	11.1 (42)

Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. Actual power output may vary due to conditions of specific use.

ISO 9001

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