Technical data, LF 75

LF 75	420 mm (16.5 in.) width	500 mm (19.6 in.) width
Net weight, kg/lb	L: 80.1/176.6 LAT: 86.6/190.9	L: 83.5/184.1 LAT: 90.3/199
Operation weight (EN500, incl. oil, ½ fuel), kg/lb	L: 81.5/179.7 LAT: 94.5/208.3	L: 84.9/187.2 LAT: 96.8/213.4
Engine brand, type	Honda, GX160	Honda, GX160
Engine power, kW/hp @rpm [1]	3.6/4.8 @3600	3.6/4.8 @3600
Vibration frequency, Hz/rpm	95/5700	95/5700
Amplitude, mm/in.	1.0/0.39	0.93/0.04
Centrifugal force, kN/lbf	14.6/3282	14.6/3282
Operation speed, m/min or ft./min	27 or 88.6	23 or 75.45
Max. tilt, degrees/%	20/36	20/36
Fuel tank capacity, l/qts	3.6/3.8	3.6/3.8
Engine oil capacity *, l/qts	0.6/0.63	0.6/0.63
Fuel consumption, l/h or qts/h	1.21 or 1.28	1.21 or 1.28
Water tank for asphalt, l/gal	13/3.4	13/3.4
Fuel *	Unleaded gasoline, max. 10% ethanol	Unleaded gasoline, max. 10% ethanol
Engine oil *	SAE 10W-30, API Class SJ	SAE 10W-30, API Class SJ

* = For further information and questions about this specific engine, refer to the engine manual or the web site of the engine manufacturer.

Noise and vibration emissions, LF 75	420 mm/16.5 in. width	500 mm/19.6 in. width
Sound power level, measured dB (A)	102	102
Sound power level, guaranteed L_{WA} dB (A)[2]	104	104

[1] As specified by the engine manufacturer. The power rating of the engine indicated is the average net output (at specified rpm) of a typical production engine for the engine model measured to SAE standard J1349/ ISO1585. Mass production engines may differ from this value. Actual power output for the engine installed on the final product will depend on the operating speed, environmental conditions and other values.

[2] Noise emissions in the environment measured as sound power (L_{WA}) as per EN ISO 3744 in conformity with EC directive 2000/14/EC. The difference between guaranteed and measured sound power is that the guaranteed sound power also includes dispersion in the measurement result and the variations between different machines of the same model according to Directive 2000/14/EC.

Noise and vibration emissions, LF 75	420 mm/16.5 in. width	500 mm/19.6 in. width
Sound pressure level at the operator's ear, L_P, dB (A) [3]	91	91
Vibration level, a_{hv}, m/s^2, standard handle/low vibration handle [4]	6/1.2	6/1.2

Weights for options, LF 75	420 mm/16.5 in. width	500 mm/19.6 in. width
Protective frame, kg/lbs	3.9/8.6	3.9/8.6
Sprinkler system with protective frame, net weight, kg/lbs	5.9/13	5.9/13
Sprinkler system with protective frame, operation weight EN500, kg/lbs	12.4/27.3	12.4/27.3
Front cover with protective frame, kg/lbs	4.8/10.6	4.8/10.6
Transport wheel, kg/lbs	5.4/11.9	5.4/11.9
Block paving kit, kb/lbs	3.6/7.9	4.2/9.6
Lifting handle, kg/lbs	0.6/1.3	0.6/1.3
Lifting tackle for fork with protective frame, kg/lbs	4.2/9.3	4.2/9.3
Low vibration handle, kg/lbs	1.2/2.6	1.2/2.6

Technical data, LF 80

LF 80	
Net weight, kg/lb	L: 82.4/181.7 LAT: 88.9/196
Operation weight (EN500, incl. oil, ½ fuel), kg/lb	L: 83.8/183.6 LAT: 95.4/210.3
Engine brand, type	Honda, GX160
Engine power, kW/hp @rpm [5]	3.6/4.8 @3600
Vibration frequency, Hz/rpm	95/5700
Amplitude, mm/in.	1.27/0.05
Centrifugal force, kN/lbf	19.4/4361
Operation speed, m/min or ft./min	33 or 108.2

[3] Sound pressure level L_P according to EN ISO 11201, EN 500-4. Uncertainty K_{PA} 3.0 dB (A).

[4] Vibration value according to EN 500-4. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 1.5 m/s^2.

[5] As specified by the engine manufacturer. The power rating of the engine indicated is the average net output (at specified rpm) of a typical production engine for the engine model measured to SAE standard J1349/ ISO1585. Mass production engines may differ from this value. Actual power output for the engine installed on the final product will depend on the operating speed, environmental conditions and other values.

LF 80	
Max. tilt, degrees/%	20/36
Fuel tank capacity, l/qts	3.6/3.8
Engine oil capacity *, l/qts	0.6/0.63
Fuel consumption, l/h or qts/h	1.21 or 1.28
Water tank for asphalt, l/gal	13/3.4
Fuel *	Unleaded gasoline, max. 10% ethanol
Engine oil *	SAE 10W-30, API Class SJ

* = For further information and questions about this specific engine, refer to the engine manual or the web site of the engine manufacturer.

Noise and vibration emissions, LF 80	
Sound power level, measured dB (A)	101
Sound power level, guaranteed L_{WA} dB (A)[6]	103
Sound pressure level at the operator's ear, L_P, dB (A) [7]	91
Vibration level, a_{hv}, m/s^2, standard handle/low vibration handle [8]	6.7/1.2

Weights for options, LF 80	
Protective frame, kg/lbs	3.9/8.6
Sprinkler system with protective frame, net weight, kg/lbs	5.9/13
Sprinkler system with protective frame, operation weight EN500, kg/lbs	12.4/27.3
Front cover with protective frame, kg/lbs	4.8/10.6
Transport wheel, kg/lbs	5.4/11.9
Block paving kit, kb/lbs	3.6/7.9
Lifting handle, kg/lbs	0.6/1.3
Lifting tackle for fork with protective frame, kg/lbs	4.2/9.3
Low vibration handle, kg/lbs	1.2/2.6

[6] Noise emissions in the environment measured as sound power (L_{WA}) as per EN ISO 3744 in conformity with EC directive 2000/14/EC. The difference between guaranteed and measured sound power is that the guaranteed sound power also includes dispersion in the measurement result and the variations between different machines of the same model according to Directive 2000/14/EC.

[7] Sound pressure level L_P according to EN ISO 11201, EN 500-4. Uncertainty K_{PA} 3.0 dB (A).

[8] Vibration value according to EN 500-4. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 1.5 m/s^2.

Technical data, LF 100

LF 100	Honda	Hatz
Net weight, kg/lb	L: 95.2/209.9 LA: 96.3/212.3 LAT: 102/224.9	L: 104.8/231.0 LAT: 111/244.7
Operation weight (EN500, incl. oil, ½ fuel), kg/lb	L: 96.6/212.9 LA: 102.8/226.6 LAT: 94.5/208.3	L: 106.2/234.1 LAT: 117.5/259
Engine brand, type	Honda, GX160	Hatz, 1B20
Engine power, kW/hp @rpm [9]	3.6/4.8 @3600	3.2/4.3 @3100
Vibration frequency, Hz/rpm	95/5700	95/5700
Amplitude, mm/in.	0.91/0.04	0.91/0.04
Centrifugal force, kN/lbf	16.7/3754	16.7/3754
Operation speed, m/min or ft./min	25 or 82	25 or 82
Max. tilt, degrees/%	20/36	25/47
Fuel tank capacity, l/qts	3.6/3.8	3.6/3.8
Engine oil capacity *, l/qts	0.6/0.63	0.9/0.95
Fuel consumption, l/h or qts/h	1.21 or 1.28	0.57 or 0.6
Water tank for asphalt, l/gal	13/3.4	13/3.4
Fuel *	Unleaded gasoline, max. 10% ethanol	Ultra-low-sulfur diesel fuel only
Engine oil *	SAE 10W-30, API Class SJ	SAE 10W-30, ACEA - B3/E4

* = For further information and questions about this specific engine, refer to the engine manual or the web site of the engine manufacturer.

Noise and vibration emissions, LF 100	Honda	Hatz
Sound power level, measured dB (A)	102	104
Sound power level, guaranteed L_{WA} dB (A)[10]	104	105

[9] As specified by the engine manufacturer. The power rating of the engine indicated is the average net output (at specified rpm) of a typical production engine for the engine model measured to SAE standard J1349/ ISO1585. Mass production engines may differ from this value. Actual power output for the engine installed on the final product will depend on the operating speed, environmental conditions and other values.

[10] Noise emissions in the environment measured as sound power (L_{WA}) as per EN ISO 3744 in conformity with EC directive 2000/14/EC. The difference between guaranteed and measured sound power is that the guaranteed sound power also includes dispersion in the measurement result and the variations between different machines of the same model according to Directive 2000/14/EC.

Noise and vibration emissions, LF 100	Honda	Hatz
Sound pressure level at the operator's ear, L_P, dB (A) [11]	93	93
Vibration level, a_{hv}, m/s^2, standard handle/low vibration handle [12]	8/0.8	8/0.5

Weights for options, LF 100	Honda	Hatz
Protective frame, kg/lbs	3.9/8.6	4.7/10.4
Sprinkler system with protective frame, net weight, kg/lbs	5.9/13	6.7/14.8
Sprinkler system with protective frame, operation weight EN500, kg/lbs	12.4/27.3	13.2/29.1
Front cover with protective frame, kg/lbs	4.8/10.6	5.9/13.0
Transport wheel, kg/lbs	5.4/11.9	5.4/11.9
Block paving kit, kb/lbs	4.2/9.6	4.2/9.6
Lifting handle, kg/lbs	0.6/1.3	0.6/1.3
Lifting tackle for fork with protective frame, kg/lbs	4.2/9.3	5.0/11.0
Low vibration handle, kg/lbs	1.2/2.6	1.2/2.6

Technical data, LF 130

LF 130	Honda	Hatz
Net weight, kg/lb	133.9/295.2	141/310.6
Operation weight (EN500, incl. oil, ½ fuel), kg/lb	135.3/298.3	142.4/313.9
Engine brand, type	Honda, GX160	Hatz, 1B20
Engine power, kW/hp @rpm [13]	3.6/4.8 @3600	3.2/4.3 @3100
Vibration frequency, Hz/rpm	95/5700	95/5700
Amplitude, mm/in.	0.91/0.03	0.91/0.03
Centrifugal force, kN/lbf	19.8/4451	19.8/4451
Operation speed, m/min or ft./min	26 or 85	22 or 72
Max. tilt, degrees/%	20/36	25/47
Fuel tank capacity, l/qts	3.6/3.8	3.6/3.8

[11] Sound pressure level L_P according to EN ISO 11201, EN 500-4. Uncertainty K_{PA} 3.0 dB (A).

[12] Vibration value according to EN 500-4. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 1.5 m/s^2.

[13] As specified by the engine manufacturer. The power rating of the engine indicated is the average net output (at specified rpm) of a typical production engine for the engine model measured to SAE standard J1349/ ISO1585. Mass production engines may differ from this value. Actual power output for the engine installed on the final product will depend on the operating speed, environmental conditions and other values.

LF 130	Honda	Hatz
Engine oil capacity *, l/qts	0.6/0.63	0.9/0.95
Fuel consumption, l/h or qts/h	1.21 or 1.28	0.57 or 0.6
Fuel *	Unleaded gasoline, max. 10% ethanol	Ultra-low-sulfur diesel fuel only
Engine oil *	SAE 10W-30, API Class SJ	SAE 10W-30, ACEA - B3/E4
Grease, eccentric element	SKF LGAF 3E	SKF LGAF 3E

* = For further information and questions about this specific engine, refer to the engine manual or the web site of the engine manufacturer.

Noise and vibration emissions, LF 130	Honda	Hatz
Sound power level, measured dB (A)	103	102
Sound power level, guaranteed L_{WA} dB (A)[14]	104	104
Sound pressure level at the operator's ear, L_P, dB (A) [15]	95	93
Vibration level, a_{hv}, m/s^2, standard handle/low vibration handle [16]	5.4/1.1	6.8/1.1

Weights for options, LF 130	Honda	Hatz
Protective frame, kg/lbs	3.9/8.6	4.7/10.4
Front cover with protective frame, kg/lbs	4.8/10.6	5.9/13.0
Transport wheel, kg/lbs	5.4/1.9	5.4/11.9
Block paving kit, kb/lbs	4.2/9.6	4.2/9.6
Lifting tackle for fork with protective frame, kg/lbs	4.2/9.3	5.0/11.0
Low vibration handle, kg/lbs	1.2/2.6	1.2/2.6

Noise and vibration declaration statement

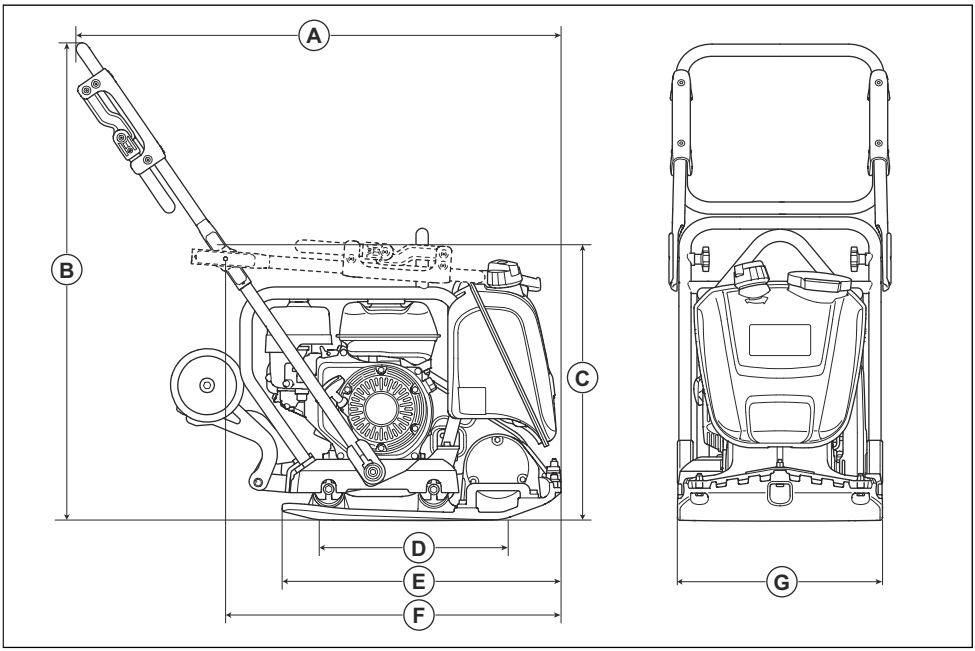
These declared values were obtained by laboratory type testing in accordance with the stated directive or standards and are suitable for comparison with the declared values of other products tested in accordance with the same directive or standards. These declared values are not suitable for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, in what material the product is used, as well as upon the exposure time and the physical condition of the user, and the condition of the product.

[14] Noise emissions in the environment measured as sound power (L_{WA}) as per EN ISO 3744 in conformity with EC directive 2000/14/EC. The difference between guaranteed and measured sound power is that the guaranteed sound power also includes dispersion in the measurement result and the variations between different machines of the same model according to Directive 2000/14/EC.

[15] Sound pressure level L_P according to EN ISO 11201, EN 500-4. Uncertainty K_{PA} 3.0 dB (A).

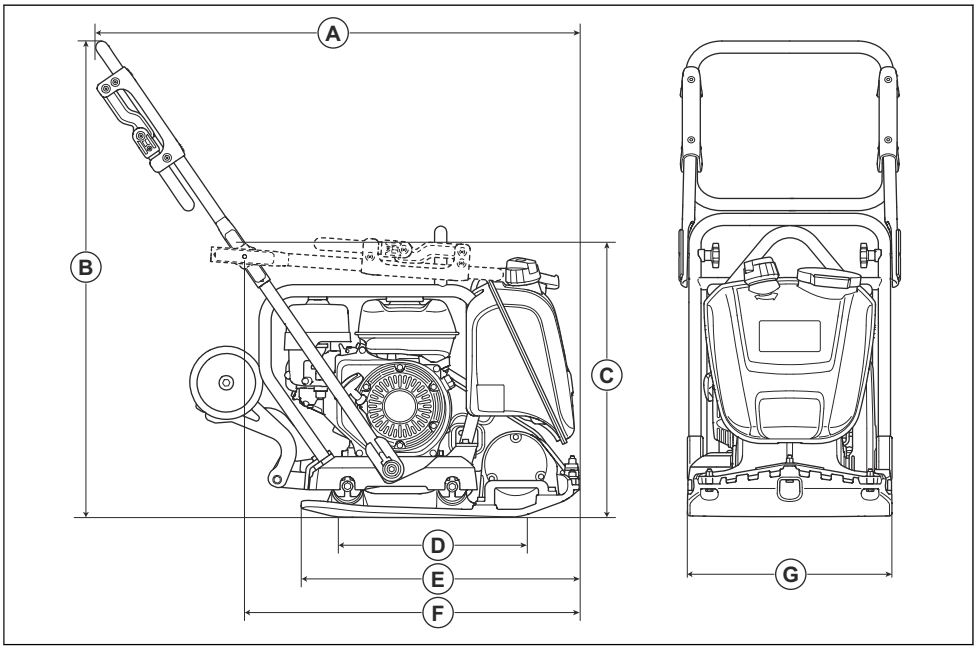
[16] Vibration value according to EN 500-4. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 1.5 m/s^2.

Product dimensions LF 75



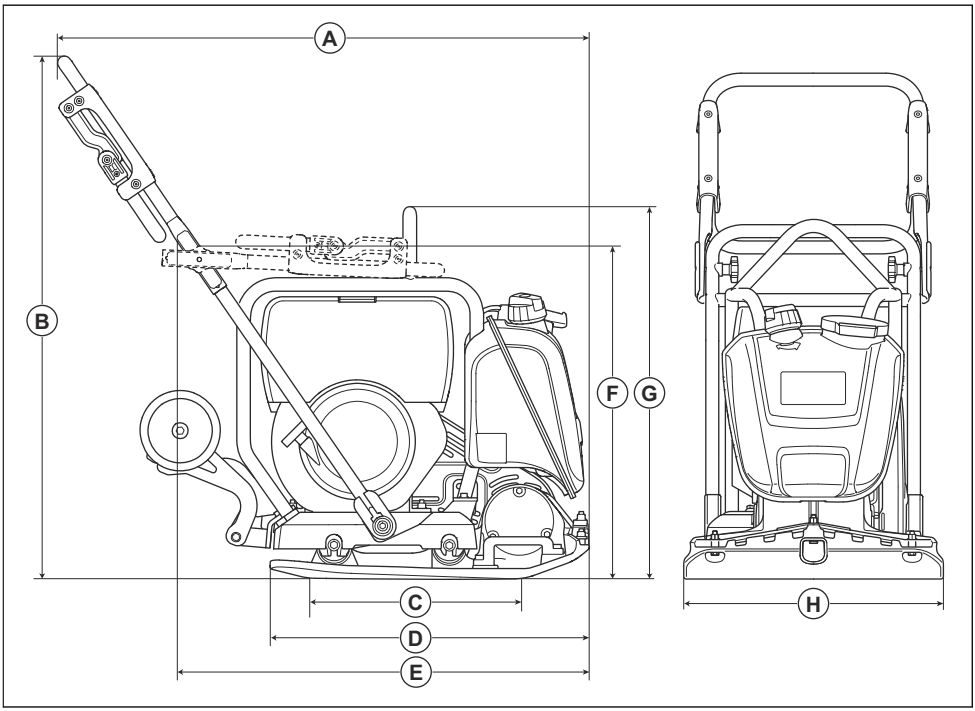
A	Length including handle, mm/in.	1037/40.7	**E**	Length bottom plate, mm/in.	570/22.4
B	Handle height, mm/in.	1114/43.8	**F**	Length with handle folded, mm/in.	690/27.1
C	Height, mm/in.	655/25.7	**G**	Width, mm/in.	420/16.5 / 500/19.6
D	Bottom plate contact area, m^2/sq. ft.	0.116/1.25 / 0.142/1.5			

Product dimensions LF 80



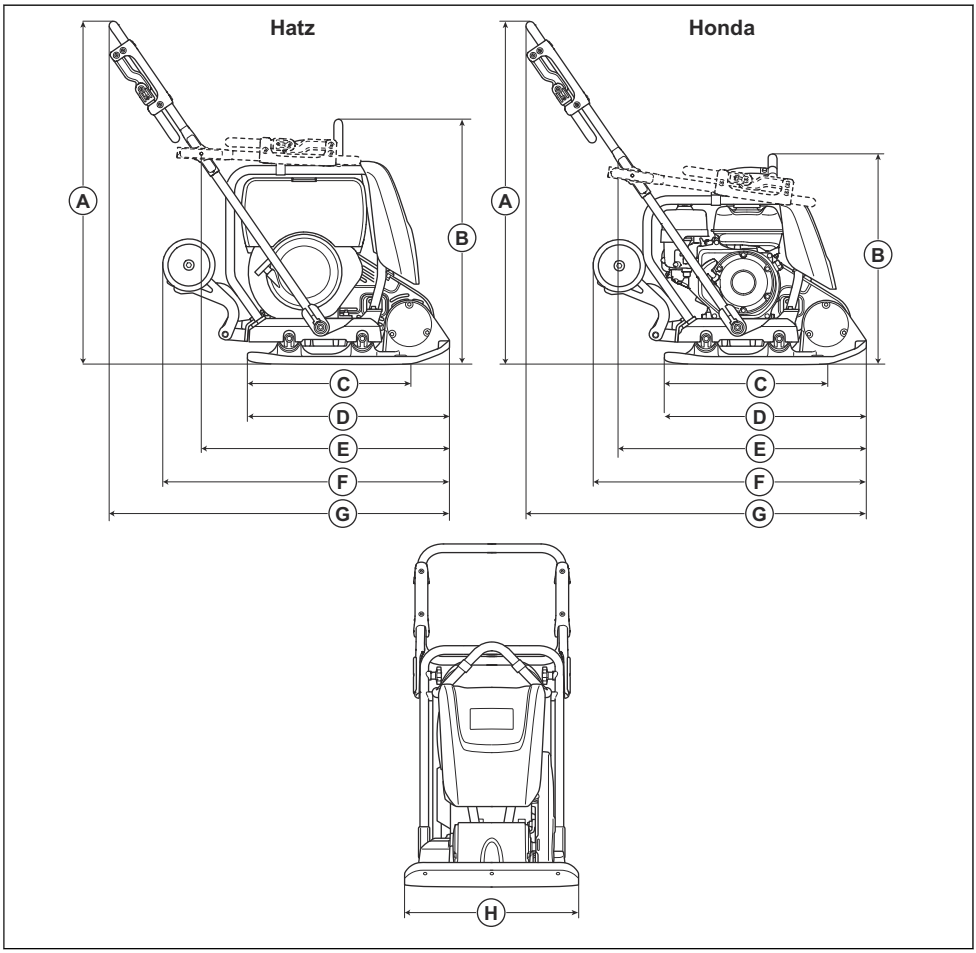
A	Length including handle, mm/in.	1037/40.7	**E**	Length bottom plate, mm/in.	570/22.4
B	Handle height, mm/in.	1114/43.8	**F**	Length with handle folded, mm/in.	680/26.7
C	Height, mm/in.	655/25.7	**G**	Width, mm/in.	420/16.5
D	Bottom plate contact area, m^2/sq. ft.	0.116/1.25			

Product dimensions LF 100



A	Length including handle, mm/in.	1020/40.2	**E**	Length with handle folded, mm/in.	765/30.1
B	Handle height, mm/in.	1005/39.6	**F**	Height, mm/in.	690/27.1
C	Bottom plate contact area, m^2/sq. ft.	0.153/1.64	**G**	Height at lifting point on the safety frame, mm/in.	694/27.3
D	Length bottom plate, mm/in.	595/23.3	**H**	Width, mm/in.	500/19.6

Product dimensions LF 130



Pos.		Hatz	Honda	Pos.		Hatz	Honda
A	Handle height, mm/in.	1000/39.4	1000/39.4	E	Length with handle folded, mm/in.	682/26.9	675/26.6
B	Height, mm/in.	701/27.6	664/28.1	F	Length including transport wheels, mm/in.	840/33.1	798/31.4
C	Bottom plate contact area, m^2/sq. ft.	0.143/1.5	0.143/1.5	G	Length including handle, mm/in.	946/37.2	946/37.2
D	Length bottom plate, mm/in.	600/23.6	600/23.6	H	Width, mm/in.	500/19.6	500/19.6