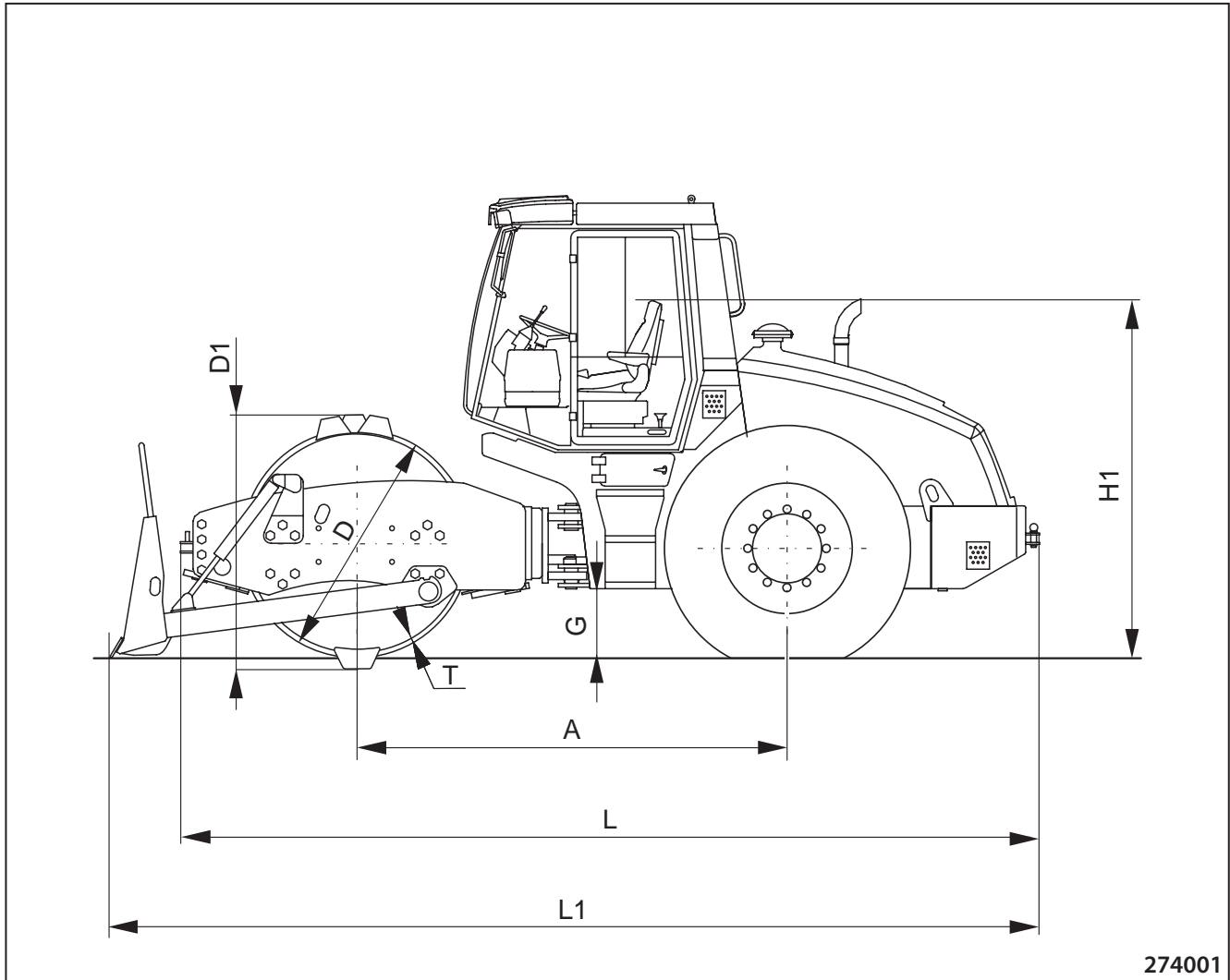


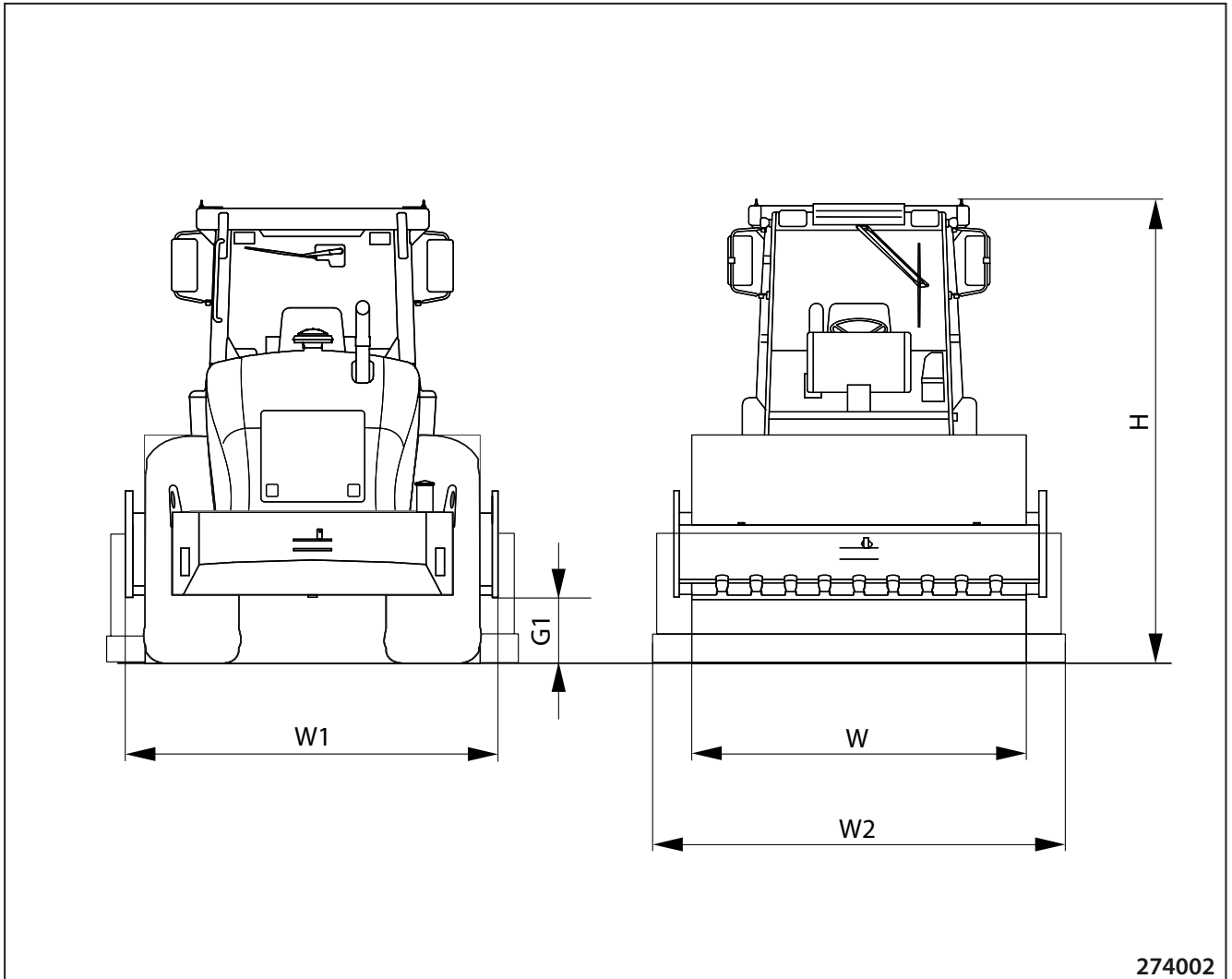
1.2. Dimensional diagram of the Machine

Dimensional diagram for ASC 70 Machine (with cab and protective frame, and incl. blade)



274001

mm (in)	A	D	D1	G	G1	H	H1	L	L1	T	W	W1	W2
ASC 70 D	2560	1300	-	385	350	2870	2280	5195	-	25	1680	1875	-
	(100,8)	(51,2)	(-)	(15,2)	(13,8)	(113,0)	(89,8)	(204,5)	(-)	(1,0)	(66,1)	(73,8)	(-)
ASC 70 PD	2560	1240	1400	385	350	2870	2280	5195	-	15	1680	1875	-
	(100,8)	(48,8)	(55,1)	(15,2)	(13,8)	(113,0)	(89,8)	(204,5)	(-)	(0,6)	(66,1)	(73,8)	(-)
ASC 70 PDB	2560	1240	1400	385	350	2870	2280	5195	5555	15	1680	1875	2215
	(100,8)	(48,8)	(55,1)	(15,2)	(13,8)	(113,0)	(89,8)	(204,5)	(218,7)	(0,6)	(66,1)	(73,8)	(87,2)



274002

mm (in)	A	D	D1	G	G1	H	H1	L	L1	T	W	W1	W2
ASC 70 D	2560	1300	-	385	350	2870	2280	5195	-	25	1680	1875	-
	(100,8)	(51,2)	(-)	(15,2)	(13,8)	(113,0)	(89,8)	(204,5)	(-)	(1,0)	(66,1)	(73,8)	(-)
ASC 70 PD	2560	1240	1400	385	350	2870	2280	5195	-	15	1680	1875	-
	(100,8)	(48,8)	(55,1)	(15,2)	(13,8)	(113,0)	(89,8)	(204,5)	(-)	(0,6)	(66,1)	(73,8)	(-)
ASC 70 PDB	2560	1240	1400	385	350	2870	2280	5195	5555	15	1680	1875	2215
	(100,8)	(48,8)	(55,1)	(15,2)	(13,8)	(113,0)	(89,8)	(204,5)	(218,7)	(0,6)	(66,1)	(73,8)	(87,2)

1.3. Specifications

		ASC 70 Cummins Tier 3			
		D	HX	PD	HXPD
Weight					
Operating weight of EN 500-1+A1 (CECE) with cab, ROPS	kg (lb)	7140 (15740)	7620 (16800)	7090 (15630)	7570 (16690)
Operating weight of EN 500-1+A1 (CECE) with cab	kg (lb)	6990 (15410)	7470 (16470)	6940 (15300)	7420 (16360)
Operating weight of EN 500-1+A1 (CECE) with platform, rail	kg (lb)	6840 (15080)	7320 (16140)	6790 (14970)	7260 (16010)
Operating load of EN 500-1+A1 (CECE) with cab, ROPS on front axis	kg (lb)	4020 (8860)	4080 (8990)	3970 (8750)	4030 (8880)
Operating load of EN 500-1+A1 (CECE) with cab, ROPS on rear axis	kg (lb)	3120 (6880)	3540 (7800)	3120 (6880)	3540 (7800)
Weight of half fluid capacities	kg (lb)	110 (240)	110 (240)	110 (240)	110 (240)
Operating weight of ISO 6016 with cab, ROPS	kg (lb)	7250 (15980)	7730 (17040)	7200 (15870)	7680 (16930)
Maximum weight with the cab, ROPS, accessories, weighing	kg (lb)	9260 (20410)	9740 (21470)	8120 (17900)	8600 (18960)
Maximum permitted weight according to ROPS	kg (lb)	13200 (29100)	13200 (29100)	13200 (29100)	13200 (29100)
Static linear load of front drum	kg/cm (lb/in)	23,9 (133,8)	24,3 (136,1)	-	-
Cab weight	kg (lb)	220 (490)	220 (490)	220 (490)	220 (490)
Weight of ROPS	kg (lb)	210 (460)	210 (460)	210 (460)	210 (460)
Weight of ROPS/FOPS (CNH design)	kg (lb)	290 (640)	290 (640)	290 (640)	290 (640)
Weight of sheet roof on ROPS	kg (lb)	140 (310)	140 (310)	140 (310)	140 (310)
Weight of canopy	kg (lb)	60 (130)	60 (130)	60 (130)	60 (130)
Weight of canopy posts (version without ROPS)	kg (lb)	60 (130)	60 (130)	60 (130)	60 (130)
Weight of blade	kg (lb)	500 (1100)	500 (1100)	500 (1100)	500 (1100)
Weight of 3 padfoot segments	kg (lb)	1090 (2400)	1090 (2400)	-	-
Weight of tyre filling 0°C	kg (lb)	367 (810)	367 (810)	367 (810)	367 (810)
Weight of tyre filling -25°C	kg (lb)	420 (930)	420 (930)	420 (930)	420 (930)
Driving characteristics					
Number of speeds	-	3+1	3+1	3+1	3+1
Maximum transport speed	km/h (MPH)	11 (6,8)	8,4 (5,2)	11,1 (6,9)	8,5 (5,3)
Working speed 1	km/h (MPH)	2,5 (1,6)	2,5 (1,6)	2,5 (1,6)	2,5 (1,6)
Working speed 2	km/h (MPH)	3,5 (2,2)	3 (1,9)	3,5 (2,2)	3 (1,9)
Working speed 3	km/h (MPH)	4,7 (2,9)	3,6 (2,2)	4,8 (3)	3,7 (2,3)
Climbing ability	%	45	60	45	60
Climbing ability with vibration	%	40	40	40	40
Lateral static stability	%	48,8	48,8	48,8	48,8
Lateral stability during driving without vibration	%	25	25	25	25
Lateral stability during driving with vibration	%	15	15	15	15
Maximum gradient when towing machine on slope	%	60	60	60	60
Turning radius inner (edge)	mm (in)	3090 (121,7)	3090 (121,7)	3090 (121,7)	3090 (121,7)
Turning radius outer (contour)	mm (in)	4685 (184,4)	4685 (184,4)	4685 (184,4)	4685 (184,4)
Front approach slope	%	65	65	65	65
Rear approach slope	%	51	51	51	51
Type of drive	-	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Number of driving axles	-	2	2	2	2
Oscillation angle	°	±12	±12	±12	±12
Angle of steering	°	±36	±36	±36	±36

		ASC 70 Cummins Tier 3			
		D	HX	PD	HXPD
Steering					
Type of steering	-	Joint	Joint	Joint	Joint
Steering control	-	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Linear hydraulic motors	-	2	2	2	2
Engine					
Manufacturer	-	Cummins	Cummins	Cummins	Cummins
Type	-	QSB3.3-C99	QSB3.3-C99	QSB3.3-C99	QSB3.3-C99
Power according to ISO 3046-1	kW (HP)	74 (99)	74 (99)	74 (99)	74 (99)
Number of cylinders	-	4	4	4	4
Cylinder capacity	cm ³ (cu in)	3300 (201)	3300 (201)	3300 (201)	3300 (201)
Nominal speed	min ⁻¹ (RPM)	2200	2200	2200	2200
Maximum torque	Nm/rpm	412/1600	412/1600	412/1600	412/1600
Average fuel consumption	l/h (gal US/h)	8,8 (2,3)	8,8 (2,3)	8,8 (2,3)	8,8 (2,3)
Engines complies with emission regulations	-	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIA, U.S. EPA Tier 3
Cooling system of engine	-	Liquid	Liquid	Liquid	Liquid
Axle					
Maximum tyre pressure	MPa (PSI)	0,15 (21,8)	0,15 (21,8)	0,15 (21,8)	0,15 (21,8)
Pattern of tyres	-	UK 5 Diamond	UK 5 Diamond	TD-02 Tractor	TD-02 Tractor
Number of tyres	-	2	2	2	2
Number of rear wheels	-	2	2	2	2
Size of tyres	-	14,9x24''	14,9x24''	14,9x24''	14,9x24''
Type of tyres	-	Tubeless	Tubeless	Tubeless	Tubeless
Number of pads (only PD version)	-	-	-	104	104
Pad contact surface (only PD version)	cm ² (sq in)	-	-	114 (17,7)	114 (17,7)
Pad height (only PD version)	mm (in)	-	-	80 (3,1)	80 (3,1)
Brakes					
Operating	-	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Parking	-	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
Emergency	-	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake	Multiple-disc spring brake
Vibration					
Frequency I	Hz (VPM)	30 (1800)	30 (1800)	30 (1800)	30 (1800)
Frequency II	Hz (VPM)	41 (2460)	41 (2460)	41 (2460)	41 (2460)
Amplitude I	mm (in)	1,7 (0,067)	1,7 (0,067)	1,7 (0,067)	1,7 (0,067)
Amplitude II	mm (in)	0,86 (0,034)	0,86 (0,034)	0,86 (0,034)	0,86 (0,034)
Centrifugal force I	kN	145	145	145	145
Centrifugal force II	kN	130	130	130	130
Type of drive	-	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic

1.3. Specifications

		ASC 70 Cummins Tier 3			
		D	HX	PD	HXPD
Fluid capacities					
Fuel	l (gal US)	275 (72,65)	275 (72,65)	275 (72,65)	275 (72,65)
Engine (oil filling)	l (gal US)	7 (1,85)	7 (1,85)	7 (1,85)	7 (1,85)
Cooling system	l (gal US)	24 (6,34)	24 (6,34)	24 (6,34)	24 (6,34)
Hydraulic system	l (gal US)	73 (19,28)	73 (19,28)	73 (19,28)	73 (19,28)
Drum vibrator	l (gal US)	6,7 (1,77)	6,7 (1,77)	6,7 (1,77)	6,7 (1,77)
Wheel gearbox	l (gal US)	2x0,8 (2x0,21)	2x0,8 (2x0,21)	2x0,8 (2x0,21)	2x0,8 (2x0,21)
Drum gearbox	l (gal US)	1,8 (0,48)	1,5 (0,4)	1,8 (0,48)	1,5 (0,4)
Washer tank	l (gal US)	2,75 (0,73)	2,75 (0,73)	2,75 (0,73)	2,75 (0,73)
Wiring					
Voltage	V	24	24	24	24
Battery capacity	Ah	2x61	2x61	2x61	2x61
Noise and vibration emissions					
Measured sound power level A, L_{pA} at the operator's position (cab) *	dB	79	79	79	79
Uncertainty K_{pA} *	dB	2	2	2	2
Guaranteed sound power level A, L_{WA} **	dB	106	106	106	106
Declared highest weighted effective value of vibration acceleration transmitted to the whole body (cab) ***	m/s ² (ft/s ²)	<0,5 (<1,6)	<0,5 (<1,6)	<0,5 (<1,6)	<0,5 (<1,6)
Declared total value of vibration acceleration transmitted to hands (cab) ***	m/s ² (ft/s ²)	<2,5 (<8,2)	<2,5 (<8,2)	<2,5 (<8,2)	<2,5 (<8,2)
* measured according the EN 500-4					
** measured according the DIRECTIVE 2000/14/EC					
*** measured according the EN 1032+A1 on the gravel base under the vibration travel					