2019 Volvo New-XC60 Specifications

	XC60 T5/T5 AWD (250 hp) aut	XC60 T6 AWD (310 hp) aut	XC60 T8 AWD (320 hp) aut	XC60 D3 (150 hp) man	XC60 D4 (190 hp) man/aut	XC60 D4 AWD (190 hp) man/aut	XC60 D5 AWD (235 hp) aut
Engine							
Engines	B4204T26	B4204T29	B4204T34	D4204T4	D4204T14	D4204T14	D4204T23
Type	In-line, 4 cyl. turbocharged	In-line 4 cyl. supercharged and turbocharged	In-line 4 cyl. supercharged and turbocharged	In-line 4-cyl. twin turbo diesel	In-line 4-cyl. twin turbo diesel	In-line 4-cyl. twin turbo diesel	In-line 4-cyl. twin turbo diesel
Configuration	FWD / AWD	AWD	AWD	FWD	FWD	AWD	AWD
Displacement	1969 cm³	1969 cm³	1969 cm³	1969 cm³	1969 cm³	1969 cm³	1969 cm³
Bore	82,0 mm	82,0 mm	82,0 mm	82,0 mm	82,0 mm	82,0 mm	82,0 mm
Stroke	93,2 mm	93,2 mm	93,2 mm	93,2 mm	93,2 mm	93,2 mm	93,2 mm
Compression ratio	10,8:1	10,3:1	10,3:1	15,8:1	15,8:1	15,8:1	15,8:1
Valves, no/cylinder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.
DOHC / SOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC
Engine management system	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	i-Art common rail direct injection	i-Art common rail direct injection	i-Art common rail direct injection	i-Art common rail direct injection
Ignition sequence	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2
Engine idling speed (rpm)	875 rpm ± 50	875 rpm ± 50	875 rpm ± 50	825 rpm ± 150	825 rpm ± 150	825 rpm ± 150	825 rpm ± 150
Fuel, rec. Octane	95 - 98 RON	95 - 98 RON	95 - 98 RON	Diesel [1]	Diesel [1]	Diesel [1]	Diesel [1]
Max engine speed	6000 rpm	6000 rpm	6000 rpm	5000 rpm	5000 rpm	5000 rpm	5000 rpm
Max output, kW (hp)/rpm	184 kW (250 hp) / 5500 rpm	228 kW (310 hp) / 5700 rpm	223 kW (303 hp) / 6000 rpm	110 kW (150 hp) / 4250 rpm	140 kW (190 hp) / 4250 rpm	140 kW (190 hp) / 4250 rpm	173 kW (235 hp) / 4000 rpm
Max torque, Nm/rps	350 / 30 - 80 Nm / rps	400 / 37 - 85 Nm / rps	400 / 37 - 80 Nm / rps	350 / 25 - 42 Nm / rps	400 / 29 - 42 Nm / rps	400 / 29 - 42 Nm / rps	480 / 29 - 37 Nm / rps
Battery type	-	-	Lithium-ion battery	-	-	-	-
Battery content, total amount of energy (kWh)	-	-	10,4	-	-	-	-
Battery charging time***, at 16A / 10A / 6A fuse (hours) [2]	-	-	3,0 / 4,0 / 7,0	-	-	-	-
Battery placement	-	-	Centrally in the tunnel of the car	-	-	-	-
Electrical motor max power (kW)	-	-	65 kW	-	-	-	-
Electrical motor max torque (Nm)	-	-	240 Nm	-	-	-	-
Driveline max power (kW)	-	-	65 kW + 223 kW** [3]	-	-	-	-
Driveline max torque (Nm)	-	-	240 Nm + 400 Nm** [3]	-	-	-	-

[1] According to EN590 Maximum biodiesel (FAME) content 7%

[2] *** Up to

[3] **) Up to

Transmissions

Transmissions	AW TG-81SC	-	-	M66 F	M66 F / AW TG-81SC	-	-
First Gear	5,250	-	-	3,583	3,583 / 5,250	-	-
Second Gear	3,029	-	-	2,050	2,050 / 3,029	-	-
Third Gear	1,950	-	-	1,267	1,267 / 1,950	-	-
Fourth Gear	1,457	-	-	0,838	0,838 / 1,457	-	-
Fifth Gear	1,221	-	-	0,617	0,617 / 1,221	-	-
Sixth Gear	1,000	-	-	0,510	0,510 / 1,000	-	-
Seventh Gear	0,809	-	-	-	- / 0,809	-	-
Eighth Gear	0,673	-	-	-	- / 0,673	-	-
Reverse Gear	4,015	-	-	2,833	2,833 / 4,015	-	-
Manual Gearbox/final drive	-	-	-	4,533 (gear 1-6) - 5,667 (gear R)	4,533 (gear 1-6) - 5,667 (gear R)	-	-
Automatic Gearbox/final drive	3,329	-	-	-	3,200	-	-
Transmissions (AWD)	AW TG-81SC	AW TG-81SC	AW TG-81SD	-	-	M66 F / AW TG-81SC	AW TG-81SC
First Gear (AWD)	5,250	5,250	5,250	-	-	3,583 / 5,250	5,250
Second Gear (AWD)	3,029	3,029	3,029	-	-	2,050 / 3,029	3,029
Third Gear (AWD)	1,950	1,950	1,950	-	-	1,267 / 1,950	1,950
Fourth Gear (AWD)	1,457	1,457	1,457	-	-	0,838 / 1,457	1,457
Fifth Gear (AWD)	1,221	1,221	1,221	-	-	0,617 / 1,221	1,221
Sixth Gear (AWD)	1,000	1,000	1,000	-	-	0,510 / 1,000	1,000
Seventh Gear (AWD)	0,809	0,809	0,809	-	-	- / 0,809	0,809
Eighth Gear (AWD)	0,673	0,673	0,673	-	-	- / 0,673	0,673
Reverse Gear (AWD)	4,015	4,015	4,015	-	-	2,833 / 4,015	4,015
Manual Gearbox/final drive (AWD)	-	-	-	-	-	4,533 (gear 1-6) - 5,667 (gear R)	-
Automatic Gearbox / final drive (AWD)	3,329	3,329	3,329	-	-	3,329	3,329

Performance

Performance	Automatic / Automatic (FWD/AWD)	Automatic	Automatic	Manual	Manual / Automatic	Manual / Automatic	Automatic
Gearbox	AW TG-81SC / AW TG-81SC	AW TG-81SC	AW TG-81SD	M66 F	M66 F /AW TG-81SC	M66 F /AW TG-81SC	AW TG-81SC
Acceleration, 0-100 km/h	6,9 sec / 6,8 sec	5,9 sec	5,5 sec	10,2 sec	8,8 sec / 8,4 sec	8,8 sec / 8,4 sec	7,2 sec

Top speed	210 km/h / 220 km/h	230 km/h	230 km/h	190 km/h	205 km/h / 205 km/h	205 km/h / 205 km/h	220 km/h
Tyre class A Combined, NEDC*, l/100 km / CO^2 g/km [1]	7,1 l/100 km / 165 g/km / 7,3 l/100 km / 169 g/km	7,5 l/100 km / 174 g/km	2,2 l/100 km / 50 g/km	5,0 l/100 km / 131 g/km	4,9 l/100 km / 129 g/km / 5,1 l/100 km / 133 g/km	5,3 l/100 km / 139 g/km / 5,5 l/100 km / 144 g/km	5,6 l/100 km / 147 g/km
Tyre class B Combined, NEDC*, l/100 km / CO^2 g/km [1]	7,2 l/100 km / 168 g/km / 7,5 l/100 km / 173 g/km	7,6 l/100 km / 177 g/km	2,3 l/100 km / 52 g/km	5,1 l/100 km / 133 g/km	5,0 l/100 km / 132 g/km / 5,1 l/100 km / 135 g/km	5,4 l/100 km / 142 g/km / 5,6 l/100 km / 148 g/km	5,8 l/100 km / 152 g/km
Tyre class C Combined, NEDC*, l/100 km / CO^2 g/km [1]	7,4 l/100 km / 172 g/km / 7,7 l/100 km / 178 g/km	7,8 l/100 km / 181 g/km	2,4 l/100 km / 55 g/km	5,2 l/100 km / 136 g/km	5,1 l/100 km / 135 g/km / 5,2 l/100 km / 137 g/km	5,5 l/100 km / 145 g/km / 5,8 l/100 km / 153 g/km	6,0 l/100 km / 158 g/km
Combined, WLTP (low-high)	8,4 - 9,1 / 192 - 207 // 8,6 - 9,6 / 196 - 219	8,8 - 10,0 / 202 - 229	- / -	5,8 - 6,6 / 152 - 175	5,7-6,6/151-173 // 6,1-6,7/161-176	-	-

[1] * NEDC figures correlated from WLTP based testing

Measurements and Volumes

Length	4688 mm	4688 mm	4688 mm	4688 mm	4688 mm	4688 mm	4688 mm
Width (Body width)	1902 mm	1902 mm	1902 mm	1902 mm	1902 mm	1902 mm	1902 mm
Width (body width, wheel arch ext. Rim size 21”)	1915 mm	1915 mm	1915 mm	1915 mm	1915 mm	1915 mm	1915 mm
Width (body width, wheel arch ext. Rim size 22”)	1939 mm	1939 mm	1939 mm	1939 mm	1939 mm	1939 mm	1939 mm
Width (mirrors folded)	1999 mm	1999 mm	1999 mm	1999 mm	1999 mm	1999 mm	1999 mm
Width (Including mirrors, outer edge)	2117 mm	2117 mm	2117 mm	2117 mm	2117 mm	2117 mm	2117 mm
Height (Including shark fen)	1658 mm	1658 mm	1658 mm	1658 mm	1658 mm	1658 mm	1658 mm
Height with open tailgate/trunklid (H110)	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm
Wheelbase	2865 mm	2865 mm	2865 mm	2865 mm	2865 mm	2865 mm	2865 mm
Track, front (Rim size: 17"-19" / 20" / 21" / 22")	1653 mm / 1649 mm / 1655 mm / 1668 mm	1653 mm / 1649 mm / 1655 mm / 1668 mm	1653 mm / 1649 mm / 1655 mm / 1668 mm	1653 mm / 1649 mm / 1655 mm / 1668 mm	1653 mm / 1649 mm / 1655 mm / 1668 mm	1653 mm / 1649 mm / 1655 mm / 1668 mm	1653 mm / 1649 mm / 1655 mm / 1668 mm
Track, rear (Rim size: 17"-19" / 20" / 21" / 22")	1657 mm / 1653 mm / 1659 mm / 1673 mm	1657 mm / 1653 mm / 1659 mm / 1673 mm	1657 mm / 1653 mm / 1659 mm / 1673 mm	1657 mm / 1653 mm / 1659 mm / 1673 mm	1657 mm / 1653 mm / 1659 mm / 1673 mm	1657 mm / 1653 mm / 1659 mm / 1673 mm	1657 mm / 1653 mm / 1659 mm / 1673 mm
Ground clearance	216 mm	216 mm	216 mm	216 mm	216 mm	216 mm	216 mm
Ground clearance (with air suspension)	209 mm	209 mm	209 mm	209 mm	209 mm	209 mm	209 mm
Approach angle (at curb weight)	23,1 degr	23,1 degr	23,1 degr	23,1 degr	23,1 degr	23,1 degr	23,1 degr
Breakover angle (at curb weight)	20,8 degr	20,8 degr	20,8 degr	20,8 degr	20,8 degr	20,8 degr	20,8 degr
Departure angle (at curb weight)	25,5 degr	25,5 degr	25,5 degr	25,5 degr	25,5 degr	25,5 degr	25,5 degr
Wading capability depth at curb weight (max speed 10 km/h)	400 mm	400 mm	Up to a depht approximately level with the floor at walking speed	400 mm	400 mm	400 mm	400 mm

Weight/Miscellaneous

Weight (Depending on type of engine, gearbox etc.)	1764 kg - 2139 kg	1764 kg - 2139 kg	1764 kg - 2139 kg	1764 kg - 2139 kg	1764 kg - 2139 kg	1764 kg - 2139 kg	1764 kg - 2139 kg
Total Weight (Depending on type of engine, gearbox etc.)	2370 kg - 2660 kg	2370 kg - 2660 kg	2370 kg - 2660 kg	2370 kg - 2660 kg	2370 kg - 2660 kg	2370 kg - 2660 kg	2370 kg - 2660 kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	2400 kg	2400 kg	2100 kg	2400 kg	2400 kg	2400 kg	2400 kg
Fuel tank, Petrol	60 l	71 l	70 l	-	-	-	-
Fuel tank, Diesel	-	-	-	55 l	55 l	60 l	71 l
Aerodynamics, (Cd)	0,32	0,32	0,32	0,32	0,32	0,32	0,32
Aerodynamics, (Frontal area)	2,61 m²	2,61 m²	2,61 m²	2,61 m²	2,61 m²	2,61 m²	2,61 m²
Max roof load	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg
SCR tank [1]	-	-	-	11,5 l	11,5 l	11,5 l	11,5 l

[1] = Market codes, D4204T4: 10, 14, 15, 19, 26, 48 / D4204T14: 10, 14, 15, 19, 26, 48, 49, 50 / D4204T23: 10, 14, 15, 19, 26, 41, 48, 49

Interior Measurements

Headroom without panorama roof (front) (Maximum)	1037 mm	1037 mm	1037 mm	1037 mm	1037 mm	1037 mm	1037 mm
Headroom with panorama roof (front) (Maximum)	1009 mm	1009 mm	1009 mm	1009 mm	1009 mm	1009 mm	1009 mm
Headroom without panorama roof (front/rear)	994 mm / 988 mm	994 mm / 988 mm	994 mm / 988 mm	994 mm / 988 mm	994 mm / 988 mm	994 mm / 988 mm	994 mm / 988 mm
Headroom with panorama roof (front/rear)	966 mm / 966 mm	966 mm / 966 mm	966 mm / 966 mm	966 mm / 966 mm	966 mm / 966 mm	966 mm / 966 mm	966 mm / 966 mm
Passenger compartment width at shoulder height (front/rear)	1478 mm / 1430 mm	1478 mm / 1430 mm	1478 mm / 1430 mm	1478 mm / 1430 mm	1478 mm / 1430 mm	1478 mm / 1430 mm	1478 mm / 1430 mm
Leg room (front/rear)	1055 mm / 965 mm	1055 mm / 965 mm	1055 mm / 965 mm	1055 mm / 965 mm	1055 mm / 965 mm	1055 mm / 965 mm	1055 mm / 965 mm
Hip room (front/rear)	1433 mm / 1408 mm	1433 mm / 1408 mm	1433 mm / 1408 mm	1433 mm / 1408 mm	1433 mm / 1408 mm	1433 mm / 1408 mm	1433 mm / 1408 mm
Largest Luggage volume - First (V214-1) (Largest volume. Load height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209)	1432 l	1432 l	-	1432 l	1432 l	1432 l	1432 l
Largest Luggage volume - First (V214-1) (Largest volume. Load	-	-	1395 l	-	-	-	-

height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209) (B4204T35 & B4204T28)							
Largest Luggage volume - Second (V214-2) (Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209)	635 l	635 l	-	635 l	635 l	635 l	635 l
Largest Luggage volume - Second (V214-2) (Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209) (B4204T35 & B4204T28)	-	-	598 l	-	-	-	-
Open Luggage Compartment - First (V211-1) (Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window) Total (including V209)	854 l	854 l	-	854 l	854 l	854 l	854 l
Open Luggage Compartment - First (V211-1) (Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window) Total (including V209) (B4204T35 & B4204T28)	-	-	817 l	-	-	-	-
Open Luggage Compartment - Second (V211-2) (Second seat up. Load height limited to the upper edge of the second seatback or second window) Total (including V209)	505 l	505 l	-	505 l	505 l	505 l	505 l
Open Luggage Compartment - Second (V211-2) (Second seat up. Load height limited to the	-	-	468 l	-	-	-	-

upper edge of the second seatback or second window) Total (including V209) (B4204T35 & B4204T28)							
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209). (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) (without spare wheel)	50 l	50 l	-	50 l	50 l	50 l	50 l
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209). (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) (with spare wheel)	19 l	19 l	-	19 l	19 l	19 l	19 l
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209). (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) (without charge cable) (B4204T35 & B4204T28)	-	-	18 l	-	-	-	-
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209). (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) (with charge cable) (B4204T35 & B4204T28)	-	-	16 l	-	-	-	-
Cargo length from the first seatback to the tailgate measured at - the top of the first seatback (SAE L204-1)	1616 mm	1616 mm	1616 mm	1616 mm	1616 mm	1616 mm	1616 mm
Cargo length from the first seatback to the tailgate measured at - the	1746 mm	1746 mm	1746 mm	1746 mm	1746 mm	1746 mm	1746 mm

height of the floor covering (SAE L202-1)							
Cargo length from the second seatback to the tailgate measured at - the top of the second seatback (SAE L204-2)	758 mm	758 mm	758 mm	758 mm	758 mm	758 mm	758 mm
Cargo length from the second seatback to the tailgate measured at - the height of the floor covering (SAE L202-2)	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm
Cargo floor height to ground (GCIE H253) (curb weight)	616 mm	616 mm	616 mm	616 mm	616 mm	616 mm	616 mm
Rear opening height (GCIE H202) (car center line)	776 mm	776 mm	776 mm	776 mm	776 mm	776 mm	776 mm
Cargo height (SAE H201) (rear wheel center and car center line)	776 mm	776 mm	776 mm	776 mm	776 mm	776 mm	776 mm
Cargo floor width, min. (GCIE W202) (SAE W201) (between wheel housings)	1055 mm	1055 mm	1055 mm	1055 mm	1055 mm	1055 mm	1055 mm
Rear opening width: upper min. (GCIE W205)	905 mm	905 mm	905 mm	905 mm	905 mm	905 mm	905 mm
Rear opening width at floor, min. (GCIE W207)	1010 mm	1010 mm	1010 mm	1010 mm	1010 mm	1010 mm	1010 mm

Chassis

Suspension front	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers
Suspension rear	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers
Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering
Steering ratio (angle/angle)	16,6	16,6	16,6	16,6	16,6	16,6	16,6
Turning circle (Curb to curb)	11,4 m	11,4 m	11,4 m	11,4 m	11,4 m	11,4 m	11,4 m

Turning circle (Wall to wall)	11,8 m	11,8 m	11,8 m	11,8 m	11,8 m	11,8 m	11,8 m
Turns of steering wheel end to end	3,0	3,0	3,0	3,0	3,0	3,0	3,0
Braking system	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front) Brake: 17” / 18”	322 mm / 345 mm	322 mm / 345 mm	322 mm / 345 mm	322 mm / 345 mm	322 mm / 345 mm	322 mm / 345 mm	322 mm / 345 mm
Brake disc diameter (rear) Brake: 16” / 17”	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm
Brake disc thickness (front) Brake: 17” / 18”	28 mm / 30 mm	28 mm / 30 mm	28 mm / 30 mm	28 mm / 30 mm	28 mm / 30 mm	28 mm / 30 mm	28 mm / 30 mm
Brake disc thickness (rear) Brake: 16” / 17”	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm
Braking distance 100-0 km/h	36 m	36 m	36 m	36 m	36 m	36 m	36 m