

Document Title: Capacities	Function Group: 030	Information Type: Service Information	Date: 05-03-2022
Profile:			

Capacities

Engine, when changing oil incl. filter	24 l (6.3 US gal)
Fuel tank	255 l (67.3 US gal)
Cooling system, total	65 l (17.2 US gal)
Hydraulic transmission, total	45 l (11.9 US gal)
Hydraulic transmission, when changing oil incl. filter	35 l (9.2 US gal)
Front axle, when changing oil	33 l (8.7 US gal)
Rear axle	41 l (10.8 US gal)
Amount of refrigerant R134a	2.0 + 0.1 kg (4.4 + 0.2 lbs)
Hydraulic system, total	210 l (55.4 US gal)
Hydraulic oil tank	145 l (38.3 US gal)

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Capacities

Engine, when changing oil incl. filter	16 l (4.2 US gal)
Fuel tank	210 l (55.4 US gal)
Cooling system, total	53 l (14.0 US gal)
Hydraulic transmission, total	33 l (8.7 US gal)
Hydraulic transmission, when changing oil incl. filter	25 l (6.6 US gal)
Dropbox when changing oil	4.7 l (1.2 US gal)
Front axle, when changing oil	33 l (8.7 US gal)
Rear axle	41 l (10.8 US gal)
Amount of refrigerant R134a	2.0 + 0.1 kg (4.4 + 0.2 lbs)
Hydraulic system, total	130 l (34.3 US gal)
Hydraulic oil tank	102 l (26.9 US gal)

Document Title: Conversion tables	Function Group: 030	Information Type: Service Information	Date: 05-03-2022
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Conversion tables

Length

Unit	cm	m	km	in	ft	yd	mile
cm	1	0.01	0.00001	0.3937	0.03281	0.01094	0.000006
m	100	1	0.001	39.37	3.2808	1.0936	0.00062
km	100000	1000	1	39370.7	3280.8	1093.6	0.62137
in	2.54	0.0254	0.000025	1	0.08333	0.02777	0.000015
ft	30.48	0.3048	0.000304	12	1	0.3333	0.000189
yd	91.44	0.9144	0.000914	36	3	1	0.000568
mile	160930	1609.3	1.6093	63360	5280	1760	1
1 mm = 0.1 cm - 1 mm = 0.001 mm							

Area

Unit	cm ²	m ²	km ²	a	ft ²	yd ²	in ²
cm ²	1	0.0001	-	0.000001	0.001076	0.000012	0.155000
m ²	10000	1	0.000001	0.01	10.764	1.1958	1550.000
km ²	-	1000000	1	10000	1076400	1195800	-
a	0.01	100	0.0001	1	1076.4	119.58	-
ft ²	-	0.092903	-	0.000929	1	0.1111	144.000
yd ²	-	0.83613	-	0.008361	9	1	1296.00
in ²	6.4516	0.000645	-	-	0.006943	0.000771	1
1 ha = 100 a - 1 mile ² = 259 ha = 2.59 km ²							

Capacity

Unit	cm ³ = cc	m ³	l	in ³	ft ³	yd ³
cm ³ = ml	1	0.000001	0.001	0.061024	0.000035	0.000001
m ³	1000000	1	1000	61024	35.315	1.30796
dm ³ (l)	1000	0.001	1	61.024	0.035315	0.001308
in ³	16.387	0.000016	0.01638	1	0.000578	0.000021
ft ³	28316.8	0.028317	28.317	1728	1	0.03704
yd ³	764529.8	0.76453	764.53	46656	27	1
1 gal (US) = 3785.41 cm ³ = 231 in ³ = 0.83267 gal (UK)						

Weight

Unit	g	kg	t	oz	lb
g	1	0.001	0.000001	0.03527	0.0022
kg	1000	1	0.001	35.273	2.20459
t	1000000	1000	1	35273	2204.59

oz	28.3495	0.02835	0.000028	1	0.0625
lb	453.592	0.45359	0.000454	16	1
1 tonne (metric) = 1.1023 tons (US) = 0.9842 tons (UK)					

Pressure

Unit	kgfm/cm ²	bar	Pa=N/m ²	kPa	lbf / in ²	lbf / ft ²
kgfm / cm ²	1	0.98067	98066.5	98.0665	14.2233	2048.16
bar	1.01972	1	100000	100	14.5037	2088.6
Pa=N / m ²	0.00001	0.001	1	0.001	0.00015	0.02086
kPa	0.01020	0.01	1000	1	0.14504	20.886
lbf / in ²	0.07032	0.0689	6894.76	6.89476	1	144
lbf / ft ²	0.00047	0.00047	47.88028	0.04788	0.00694	1
kg/ cm ² = 735.56 Dry (mmHg) = 0.96784 atm						

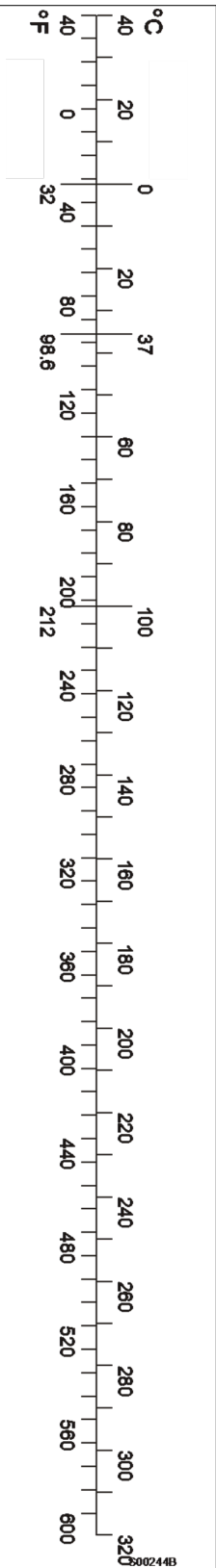
Explanation of units

Unit	abbreviation
Newtonmetre	Nm
Kilopondmetre	kgf m
Kilopascal	kPa
Megapascal	MPa
Kilowatt	kW
kilojoule	kJ
British Thermal Unit	BTU
Calorie	approx.

Approximate conversion

SI unit	Conversion factor	Non-SI	Conversion factor	SI
Torque				
N·m	x 10.2	= kg·cm	x 0.8664	= lb·in
N·m	x 0.74	= lbf·ft	x 1.36	= N·m
N·m	x 0.102	= kg·m	x 7.22	= lb·ft
Pressure (Pa = N / m ²)				
kPa	x 4.0	= in.H ₂ O	x 0.249	= kPa
kPa	x 0.30	= in.Hg	x 3.38	= kPa
kPa	x 0.145	= psi	x 6.89	= kPa
bar	x 14.5	= psi	x 0.069	= bar
kgfm / cm ²	x 14.22	= psi	x 0.070	= kgfm / cm ²
N/ mm ²	x 145.04	= psi	x 0.069	= bar
MPa	x 145	= psi	x 0.00689	= MPa
Power (W = J / s)				
kW	x 1.36	= hp (cv)	x 0.736	= kW
kW	x 1.34	= bhp	x 0.746	= kW
kW	x 0.948	= BTU / s	x 1.055	= kW
W	x 0.74	= ft·lb / s	x 1.36	= W
Energy (J = Nm)				

kJ	x 0.948	= BTU	x 1.055	= kJ
J	x 0.239	= calorie	x 4.19	= J
Speed and acceleration				
m / s²	x 3.28	= ft / s²	x 0.305	= m / s²
m / s	x 3.28	= ft / s	x 0.305	= m / s
km / h	x 0.62	= mph	x 1.61	= km / h
Horsepower/ torque				
Bhp x 5252 rpm = TQ (lb-ft)			TQ x rpm 5252 = bhp	
Temperature				
°C = (°F – 32)/1.8		°F = (°C x 1.8) + 32		
Flow factor				
l / min (dm³/ min)	x 0.264	= US gal / min x 3.785	= litres/min	



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