

LOW

Parameter		Cycle duration	Driving distance	Average speed	Max. speed	Max. acceleration	Max. Deceleration	RPA	Average short trip duration	Average Idling duration	Acceleration ratio	Deceleration ratio	Cruise ratio	Idling ratio	Chi-squared value			Normalized Chi-squared value
		s (h)	km	km/h	km/h	km/h/s	km/h/s	m/s <sup>2</sup>	s	s	%	%	%	%	VA distribution	Cum. speed frequency	Cum. acceleration frequency	VA
Unified	LOW	(6107)	114440	19.8	60.0	-	-	0.192	84.0	21.9	27.5	25.4	22.7	24.5	-	-	-	-
Combination of Actual STs	L-1 (adopted)	589	2.98	18.2	50.9	5.3	-5.3	0.165	89.0	24.0	26.1	27.8	19.7	26.3	0.2479	0.002	0.005	0.0008
	L-2	589	2.98	18.2	50.9	5.3	-5.3	0.165	89.0	24.0	26.7	27.7	19.5	26.1	<b>0.2481</b>	0.002	0.005	0.0008
	L-3	589	2.91	17.8	50.9	5.3	-6.4	0.159	89.0	24.0	26.1	26.1	21.7	26.0	<b>0.2498</b>	0.003	0.005	0.0008
Test cycle	JC08	1204	8.17	24.4	81.6	5.5	-4.1	0.171	78.0	31.5	29.0	28.5	14.7	27.8	-	-	-	-
	NEDC	1180	10.94	33.4	120.0	3.8	-5.0	0.112	69.2	20.0	24.7	16.6	36.1	22.6	-	-	-	-
	UDDS	1372	11.99	31.5	91.2	5.3	-5.3	0.172	70.2	14.6	30.3	25.3	27.1	17.3	-	-	-	-
	HFEDS	766	16.51	77.6	96.4	5.1	-5.3	0.070	761.0	2.0	19.3	14.9	65.3	0.5	-	-	-	-

## MIDDLE

Parameter		Cycle duration	Driving distance	Average speed	Max. speed	Max. acceleration	Max. Deceleration	RPA	Average short trip duration	Average Idling duration	Acceleration ratio	Deceleration ratio	Cruise ratio	Idling ratio	Chi-squared value			Normalized Chi-squared value
		s (h)	km	km/h	km/h	km/h/s	km/h/s	m/s <sup>2</sup>	s	s	%	%	%	%	VA distribution	Cum. speed frequency	Cum. acceleration frequency	VA distribution
Unified	MIDDLE	(3136)	120162	38.4	80.0	-	-	0.188	238.3	22.4	31.4	27.5	28.8	12.2	-	-	-	-
Actual ST	M-1	433	4.68	38.9	70.0	4.8	-5.6	<b>0.140</b>	382.0	25.5	33.3	26.6	28.2	12.0	0.628	0.003	0.013	0.0015
	M-2	433	4.88	40.6	70.0	5.2	-7.4	<b>0.139</b>	384.0	24.5	27.0	26.6	<b>34.9</b>	11.5	0.631	0.007	0.012	0.0015
	M-3 (adopted)	433	5.01	41.6	72.5	5.4	-7.4	0.155	386.0	23.5	37.0	24.2	27.7	11.1	0.640	0.013	0.005	0.0015
Test cycle	JC08	1204	8.17	24.4	81.6	5.5	-4.1	0.171	78.0	31.5	29.0	28.5	14.7	27.8	-	-	-	-
	NEDC	1180	10.94	33.4	120.0	3.8	-5.0	0.112	69.2	20.0	24.7	16.6	36.1	22.6	-	-	-	-
	UDDS	1372	11.99	31.5	91.2	5.3	-5.3	0.172	70.2	14.6	30.3	25.3	27.1	17.3	-	-	-	-
	HFEDS	766	16.51	77.6	96.4	5.1	-5.3	0.070	761.0	2.0	19.3	14.9	65.3	0.5	-	-	-	-

## HIGH

Parameter		Cycle duration	Driving distance	Average speed	Max. speed	Max. acceleration	Max. Deceleration	RPA	Average short trip duration	Average Idling duration	Acceleration ratio	Deceleration ratio	Cruise ratio	Idling ratio	Chi-squared value			Normalized Chi-squared value
		s (h)	km	km/h	km/h	km/h/s	km/h/s	m/s <sup>2</sup>	s	s	%	%	%	%	VA distribution	Cum. speed frequency	Cum. acceleration frequency	VA
Unified	HIGH	(3358)	192595	58.0	110.0	-	-	0.156	445.8	22.8	31.3	27.2	35.5	6.0	-	-	-	-
Combined cycle	Combined-1	455	7.76	61.4	97.9	3.8	-5.4	<b>0.103</b>	434.0	10.5	30.3	23.7	39.6	6.4	0.425	0.011	0.016	0.0007
Actual ST	H-1	455	8.25	65.3	102.2	6.1	<b>-9.5</b>	<b>0.115</b>	427.0	14.0	28.1	26.6	38.2	7.0	0.779	<b>0.041</b>	0.006	0.0013
	H-2 (adopted)	455	7.01	55.5	97.4	6.5	-7.7	0.144	426.0	14.5	29.0	28.8	35.2	7.0	0.963	0.009	0.002	0.0017
Test cycle	JC08	1204	8.17	24.4	81.6	5.5	-4.1	0.171	78.0	31.5	29.0	28.5	14.7	27.8	-	-	-	-
	NEDC	1180	10.94	33.4	120.0	3.8	-5.0	0.112	69.2	20.0	24.7	16.6	36.1	22.6	-	-	-	-
	UDDS	1372	11.99	31.5	91.2	5.3	-5.3	0.172	70.2	14.6	30.3	25.3	27.1	17.3	-	-	-	-
	HFEDS	766	16.51	77.6	96.4	5.1	-5.3	0.070	761.0	2.0	19.3	14.9	65.3	0.5	-	-	-	-

Extra-HIGH

Parameter		Cycle duration	Driving distance	Average speed	Max. speed	Max. acceleration	Max. Deceleration	RPA	Average short trip duration	Average Idling duration	Acceleration ratio	Deceleration ratio	Cruise ratio	Idling ratio	Chi-squared value			Normalized Chi-squared value
		s (h)	km	km/h	km/h	km/h/s	km/h/s	m/s <sup>2</sup>	s	s	%	%	%	%	VA distribution	Cum. speed frequency	Cum. acceleration frequency	VA distribution
Unified	EXTRA-HIGH	3144	282188	86.8	194.7	-	-	0.108	823.6	14.5	25.7	23.4	48.9	2.0	-	-	-	-
Combined cycle	Combined-1	323	8.07	89.9	126.3	4.6	-6.9	<b>0.090</b>	317.0	3.0	29.7	23.8	44.6	1.9	0.995	<b>0.010</b>	0.002	0.0011
	Combined-2 (adopted)	323	7.90	88.1	126.3	4.2	-5.2	0.095	317.0	3.0	30.0	26.9	41.2	1.9	1.000	0.003	0.004	0.0011
Actual ST	ExH-1	323	7.72	86.1	<b>119.9</b>	5.7	-6.2	0.111	319.0	2.0	23.8	26.3	47.4	2.5	1.808	<b>0.020</b>	0.006	0.0020
	ExH-2	323	7.25	80.9	<b>112.3</b>	6.2	-7.0	0.111	315.0	4.0	31.9	23.5	43.3	1.2	2.010	<b>0.043</b>	0.003	0.0023
Test cycle	JC08	1204	8.17	24.4	81.6	5.5	-4.1	0.171	78.0	31.5	29.0	28.5	14.7	27.8	-	-	-	-
	NEDC	1180	10.94	33.4	120.0	3.8	-5.0	0.112	69.2	20.0	24.7	16.6	36.1	22.6	-	-	-	-
	UDDS	1372	11.99	31.5	91.2	5.3	-5.3	0.172	70.2	14.6	30.3	25.3	27.1	17.3	-	-	-	-
	HFEDS	766	16.51	77.6	96.4	5.1	-5.3	0.070	761.0	2.0	19.3	14.9	65.3	0.5	-	-	-	-