MID-CAFE REPORT FOR 2019 MODEL YEAR OF HYUNDAI MOTOR COMPANY

- Passenger cars -



NOTE : THIS REPORT CONTAINS

INFORMATION.

THE PRODUCTION VOLUME IS INFORMATION AND THIS INFORMATION IS DEEMED BY HMC TO BE EXEMPT FROM DISCLOSURE UNDER 5 U.S.C. 552(B)(4) AND 49 U.S.C 32910(c).

TABLE OF CONTENTS

Section	Title	Page
I	Introduction	1
П	Projected Average and Required Fuel Economy	2~4
*	Vehicle Configuration Information	5
IV	Projected Average Fuel Economy Adjustment	6
	Note * : These sections contain information	

I. Introduction

As required by 49 CFR Part 537.9, estimated fuel economy values for Accent, Veloster, Veloster N, Elantra, Elantra SE, Elantra GT, Kona FWD, Kona AWD, Kona Electric, Ioniq, Ioniq Blue, Ioniq Electric, Ioniq Plug-in Hybrid, Tucson AWD, Tucson FWD, Sonata, Sonata SE, Sonata Hybrid, Sonata Hybrid SE, Sonata Plug-in Hybrid, Nexo, Nexo Blue, Santa Fe FWD, Santa FE AWD, G70 RWD, G70 AWD, G80 RWD, G80 AWD, G90 RWD, G90 AWD are included in this report.

The certification emission-data and fuel economy data of the above-mentioned vehicles used to get the following fuel economy values were tested in accordance with applicable exhaust emission test procedures and complied with applicable 2019 exhaust emission standards as defined 40 CFR §86.

II. Projected Average and Required Fuel Economy

1. Projected Average Fuel Economy

- IP: 37.3 MPG (without A/C efficiency & off-cycle credits)
- IP: 38.1 MPG (with A/C efficiency & off-cycle credits)
- DP: N/A

2. Projected Required Fuel Economy



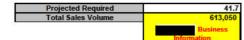
- DP: N/A

At this point in time and based on available best present information, the above projections represent the Hyundai Motor Company (HMC) average and required fuel economy for the 2018 model year for the purpose of the Act.

II. Projected Average and Required Fuel Economy

- Projected Required Fuel Economy

Projected Required Fuel Eco Projected Required	41.7	Û				Business						Business		
Model Type Description	Carline	Basic Engine (disp)	Drive	T/M class	Base Tire	Projected sales	Track width FR (inch)	Track width RR (inch)	Average Track width (inch)	Wheelbas e (inch)	footprint (sqr feet)	Target standard	ETW	IWC
Veloster 2.0 GAT	Veloster	2.0	FWD	SA6	215/45R17(Nex)	5,070	61.5	62.0	61.8	104.3	44.8	43.18	3,000	3,000
Veloster 2.0 GMT	Veloster Veloster	2.0	FWD	SA6 M6	225/40R18(Nex) 215/45R17(Nex)	2 567	61.0 61.5	61.5 62.0	61.2 61.8	104.3	44.3 44.8	43.63 43.18	3 125 3,000	3 000
Veloster 1.6T 7DCT	Veloster	1.6T	FWD	AM7	225/40R18(Nex)	3,520	61.0	61.5	61.2	104.3	44.3	43.63	3,250	3,000
Veloster 1.6T GMT	Veloster	1.6T 1.6T	FWD	M6 M6	225/40R18(M) 225/40R18(Nex)	1,837	61.0 61.0	61.5 61.5	61.2	104.3 104.3	44.3 44.3	43.63 43.63	3,250	3,000
Veloster N 2.0T MT	Veloster N	2.0T	FWD	M6	225/40R18	528	61.3	61.7	61.5	104.3	44.5	43.45	3,375	3,500
	G70 AWD	2.0T	FWD	M6 SA8	235/35R19 FR 225/40R19	931	61.2 62.8	61.6	61.4	105.3	44.9	43.09	3,375	3,500
G70 3.3T AWD 8AT(P\$4)		3.3T	10000	10000	RR 255/35R19 FR 225/40R19	1,830	100000	63.1	63.0	111.6	0.550	0.0000000	100000	10055550
G70 3.3T AWD 8AT(P\$4\$)	G70 AWD	3.3T	AWD	SA8	RR 255/35R19	134	62.8	63.1	63.0	111.6	48.8	39.89	4,250	4,000
G70 3.3T RWD 8AT(P\$4)	G70 RWD	3.3T	RWD	SA8	FR 225/40R19 RR 255/35R19	3,094	62.8	63.1	63.0	111.6	48.8	39.89	4,250	4,000
G70 3.3T RWD 8AT(P\$45)	G70 RWD	3.3T	RWD	SA8	FR 225/40R19 RR 255/35R19	259	62.8	63.1	63.0	111.6	48.8	39.89	4,250	4,000
	G70 AWD	2.0T	AWD	SA8	FR 225/45R18	1,781	62.8	64.3	63.6	111.6	49.3	39.51	4,000	4,000
G70 2.0T AWD 8AT	G70 AWD	2.0T	AWD	SA8	RR 255/45R18 FR 225/40R19	799	62.8	63.1	63.0	111.6	48.8	39.89	4,250	4,000
		1/79303		120203	RR 255/35R19 FR 225/45R18		1.0000	300000	1000000	02.5.665	10,7400		2000000	
G70 2.0T RWD 8AT	G70 RWD	2.0T	RWD	SA8	RR 255/45R18	2,160	62.8	64.3	63.6	111.6	49.3	39.51	3,875	4,000
	G70 RWD	2.0T	RWD	SA8	FR 225/40R19 RR 255/35R19	1,494	62.8	63.1	63.0	111.6	48.8	39.89	4,000	4,000
G70 2.0T RWD GMT	G70 RWD	2.0T	RWD	M6	FR 225/40R19 RR 255/35R19	280	62.8	63.1	63.0	111.6	48.8	39.89	4,000	4,000
G90 3.3T AWD	G90 AWD	3.3T	AWD	SA8	245/45R19(F)	376	64.6	64.5	64.6	124.4	55.8	35.19	5,000	5,000
		2 2020			275/40R19(R) 245/45R19(F)						10000			
G90 3.3T RWD	G90 RWD	3.3T	RWD	SA8	275/40R19(R) 245/45R19(F)	708	64.6	64.5	64.6	124.4	55.8	35.19	5,000	5,000
G90 5.0 AWD	G90 AWD	5.0	AWD	SA8	275/40R19(R)	357	64.6	64.5	64.6	124.4	55.8	35.19	5,250	5,000
G90 5.0 RWD	G90 RWD	5.0	RWD	SA8	245/45R19(F) 275/40R19(R)	733	64.6	64.5	64.6	124.4	55.8	35.19	5,000	5,000
G80 3.3T AWD	G80 AWD	3.3T	AWD	SA8	245/40R19"(F)	701	63.8	64.3	64.0	118.5	52.7	37.13	5,000	5,000
G80 3.3T RWD	G80 RWD	3.3T	RWD	SA8	275/35R19"(R) 245/40R19"(F)	1,171	63.8	64.3	64.0	118.5	52.7	37.13	4,750	4,500
	GB0 AWD	3.8	AWD	SA8	275/35R19"(R) 245/45R18"	1,142	64.1	65.3	64.7	118.5	53.2	36.80	4,750	4,500
G80 3.8 AWD	G80 AWD	3.8	AWD	SA8	245/40R19"(F)	438	63.8	64.3	64.0	118.5	52.7	37.13	4,750	4,500
	G80 RWD	3.8	RWD	SA8	275/35R19"(R) 245/45R18"	1 966	64.1	65.3	64.7	118.5	53.2	36.80	4 500	4 500
G80 3.8 RWD	G80 RWD	3.8	RWD	SA8	245/40R19"(F) 275/35R19"(R)	645	63.8	64.3	64.0	118.5	52.7	37.13	4,750	4,500
G80 5.0 AWD	G80 AWD	5.0	AWD	SA8	245/40R19"(F)	123	63.8	64.3	64.0	118.5	52.7	37.13	5,000	5,000
		2 48.04 2		2000	275/35R19*(R) 245/40R19*(F)		102408		10000-01		0.00	0	12012040	
G80 5.0 RWD	G80 RWD Santa Fe FWD	5.0 2.4	RWD	SA8 SA8	275/35R19*(R) 235/60R18	236	63.8 64.5	64.3 64.8	64.0 64.6	118.5 108.9	52.7 48.9	37.13 39.81	4,750	4,500
Santa Fe FWD 2.4 AT	Santa Fe FWD	2.4	FWD	SA8	235/65R17	36,756	64.7	65.0	64.8	108.9	49	39.74	3,875	4,000
Santa Fe AWD 2.4 AT	Santa Fe AWD Santa Fe AWD	2.4	AWD	SA8 SA8	235/60R18 235/65R17	11 555 29,399	64.5 64.7	64.8 65.0	64.6 64.8	108.9	48.9 49	39.81 39.74	4 250 4,000	4 000
Santa Fe FWD 2.0T AT	Santa Fe FWD	2.0T	FWD	SA8	235/55R19	12,667	64.5	64.8	64.6	108.9	48.9	39.81	4,250	4,000
Santa Fe AWD 2.0T AT Elantra 1.4T DCT	Santa Fe AWD Elantra	2.0T	AWD	SA8 AM7	235/55R19 195/65R15	10,498	64.5 61.5	64.8 61.9	64.6 61.7	108.9	48.9 45.5	39.81 42.57	4,500	4,500
Elantra SE 2.0	Elantra SE	2.0	FWD	SA6	195/65R15	43,014	61.5	61.9	61.7	106.3	45.5	42.57	3,125	3,000
	Elantra SE	2.0	FWD	SA6	195/65R15	2,830	61.5	61.9	61.7	106.3	45.5	42.57	3,125	3,000
	Elantra	2.0	FWD	SA6	205/55R16	74,797	61.2	61.6	61.4	106.3	45.3	42.74	3,125	3,000
Elantra 2.0 AT	Elantra Elantra	2.0	FWD	SA6 SA6	225/45R17 205/55R16	4,460	61.0 61.2	61.3 61.6	61.2 61.4	106.3 106.3	45.2 45.3	42.83 42.74	3,250 3 125	3,000
Elantra 2.0 MT	Elantra Elantra	2.0	FWD	SA6 M6	225/45R17 195/65R15	177	61.0 61.5	61.3 61.9	61.2 61.7	106.3 106.3	45.2 45.5	42.83 42.57	3,250	3,000
Elantra 1.6T DCT	Elantra	1.6T	FWD	AM7	225/40R18	2,119	60.8	61.4	61.1	106.3	45.1	42.92	3,375	3,500
Elantra 1.6T MT Kona 1.6 AWD	Elantra Kona AWD	1.6T 1.6	FWD	M6 AM7	225/40R18 235/45R18	355 8,240	60.8 61.4	61.4 61.7	61.1 61.6	106.3 102.4	45.1 43.8	42.92 44.09	3 375 3,500	3 500
Kona 1.6 FWD	Kona FWD	1.6	FWD	AM7	235/45R18	8,497	61.4	61.7	61.6	102.4	43.8	44.09	3,375	3,500
Kona 2.0 AWD	Kona AWD Kona AWD	2.0	AWD	SA6 SA6	205/60R16 215/55R17	11,643 9 970	62.0 61.5	62.4	62.2 61.7	102.4	44.2 43.9	43.73 44.00	3,375	3,500
Kona 2.0 FWD	Kona FWD	2.0	FWD	SA6	205/60R16	14,959	62.0	62.4	62.2	102.4	44.2	43.73	3,250	3,000
Kona EV	Kona FWD Kona Electric	2.0 Electric	FWD	SA6 A1	215/55R17 215/55R17	11,352	61.5 61.2	61.9 61.6	61.7 61.4	102.4	43.9 45.3	44.00 42.74	3,250	3,000
Accent AT	Accent	1.6	FWD	SA6	205/45R17	1 325	59.5	59.7	59.6	101.6	42.1	45.73	3 000	3 000
Accent MT	Accent	1.6	FWD	SA6 M6	185/65R15 185/65R15	30,280 1,133	60.0 60.0	60.2 60.2	60.1 60.1	101.6	42.4	45.44 45.44	2,875 2,750	2,750
Nexo	Nexo	Fuelcell	FWD	A1	245/45R19	135	63.5	64.0	63.8	109.8	48.6	40.04	4,500	4,500
Nexo Blue Sonata 1.6T 7DCT	NEXO Blue Sonata	Fuelcell 1.6	FWD	A1 AM7	225/60R17 205/65R16	49 633	63.7 63.5	64.1 63.8	63.9 63.6	109.8 110.4	48.7 48.8	39.96 39.89	4 250 3 500	4 000 3 500
Sonata 2.4 SE AT	Sonata SE	2.4	FWD	SA6	205/65R16	40,243	63.5	63.8	63.6	110.4	48.8	39.89	3,500	3,500
Sonata 2.4 AT Sonata 2.0T 8AT	Sonata	2.4	FWD	SA6 SA8	215/55R17 235/45R18	33,766 3 316	63.1 62.9	63.4 63.1	63.2 63.0	110.4	48.5 48.3	40.12 40.27	3,625	3,500
Sonata HEV	Sonata Hybrid	2.0	FWD	AM6	215/55R17	963	63.1	63.3	63.2	110.4	48.5	40.12	4 000	4 000
Sonata HEV SE Sonata PHEV	Sonata Hybrid SE Sonata plug-in hybrid	2.0	FWD	AM6 AM6	205/65R16 215/55 R17	1,338	63.5 63.1	63.8 63.3	63.6 63.2	110.4 110.4	48.8 48.5	39.89 40.12	3,750 4,000	3,500
ioniq 1.6 AT	pinol	1.6	FWD	AM6	195/65R15	4,075	61.5	62.1	61.8	106.3	45.6	42.48	3,375	3,500
Ioniq BLUE 1.6 AT	Ioniq Ioniq Blue	1.6	FWD	AM6 AM6	225/45R17 195/65R15	3 818	61.0 61.5	61.5 62.1	61.2 61.8	106.3 106.3	45.2 45.6	42.83 42.48	3 375 3,250	3 500
Ioniq PHEV	Ioniq Plug-In Hybrid	1.6	FWD	AM6	205/55 R16	2,200	61.2	61.8	61.5	106.3	45.4	42.66	3,625	3,500
Ioniq EV Tucson 2.0 AWD	Ioniq Electric Tucson AWD	Electric 2.0	FWD AWD	A1 SA6	205/55R16 225/60R17	1,323 40 104	61.2 63.3	61.6 63.8	61.4 63.6	106.3	45.3 46.4	42.74 41.80	3,500 3 750	3,500 3 500
Tucson 2.0 FWD	Tucson FWD	2.0	FWD	SA6	225/60R17	0	63.3	63.8	63.6	105.1	46.4	41.80	3,625	3,500
	Tucson FWD Tucson AWD	2.0	FWD	SA6 SA6	225/60R17 245/45R19	40,948	63.3 63.1	63.8 63.6	63.6 63.4	105.1	46.4 46.3	41.80 41.89	3,625 3,875	3,500
Tucson 2.4 AWD	Tucson AWD	2.4	AWD	SA6	225/55R18	16 696	63.3	63.8	63.6	105.1	46.4	41.80	3 875	4 000
	Tucson FWD Tucson FWD	2.4	FWD	SA6 SA6	245/45R19 225/55R18	367 878	63.1 63.3	63.6 63.8	63.4 63.6	105.1	46.3 46.4	41.89 41.80	3,750	3,500
Tucson 2.4 FWD	Tucson FWD	2.4	FWD	SA6	245/45R19	7,232	63.1	63.6	63.4	105.1	46.3	41.89	3,750	3,500
	Tucson FWD	2.4	FWD	SA6	225/55R18	13 893	63.3	63.8	63.6 61.4	105.1	46.4 44.5	41.80	3 750 3,250	3 500
Elantra GT 2.0 AT	Elantra GT	2.0	FWD	SA6	225/45R17	4,214	61.1	61.7				43.45		
Elantra GT 2.0 AT Elantra GT 1.6T DCT Elantra GT 1.6T MT	Elantra GT Elantra GT Elantra GT	2.0 1.6 1.6	FWD FWD FWD	SA6 AM7 M6	225/45R17 225/40R18 225/40R18	4,214 731 225	61.0 61.0	61.7 61.5 61.5	61.2 61.2	104.3 104.3 104.3	44.3 44.3	43.45 43.63 43.63	3,375	3,500



 $CAFE_{required} = \frac{\sum_{i} PRODUCTION_{i}}{\sum_{i} \frac{PRODUCTION_{i}}{TARGET_{i}}}$

II. Projected Average and Required Fuel Economy

- Projected average Fuel Economy							1			i i		
Projected Average	37.3					Business			Business			
Model Type Description	Carline	Basic Engine (disp)	Drive	T/M class (Drive, type, gear)	Base Tire	Projected sales	City FE	Hwy FE	Combined FE	IWC	Model Type Comb.FE	Model Type Vol
Veloster 2.0 GAT	Veloster Veloster	2.0 2.0	FWD FWD	SA6 SA6	215/45R17(Nex) 225/40R18(Nex)	5 070	36.9 33.7	50.9 47.6	42.1123 38.7984	3 000 3,000	40.9	7637
Veloster 2.0 GMT	Veloster	2.0	FWD	MB	215/45R17(Nex)	438	32.4	48.4	38.0621	3 000	81	438
Veloster 1.6T 7DCT Veloster 1.6T 6MT	Veloster Veloster	1.6T 1.6T	FWD		225/40R18(Nex) 225/40R18(Mi)	3 520 1 837	36.3 32.1	49.5 47.2	41.2500 37.4983	3 000 3 000	41.2	3520 1837
	Veloster Veloster N	1.6T 2.0T	FWD	M6 M6	225/40R18(Nex) 225/40R18	528	32.5	48.7 39.6	38.2214 32.3242	3 000 3,500	31.7	1459
Veloster N 2.0T MT	Veloster N	2.0T	FWD	MB	235/35R19 FR 225/40R19	931	27.3	38.4	31.3821	3 500	31./	1439
G70 3.3T AWD 8AT(PS4)	G70 AWD	3.3T	AWD	SA8	RR 255/35R19	1,830	22.1	34.8	26.4425	4,000	26.4	1964
G70 3.3T AWD 8AT(PS4S)	G70 AWD	3.3T	AWD	SA8	FR 225/40R19 RR 255/35R19	134	22.1	34.0	26.2315	4,000		
G70 3.3T RWD 8AT(PS4)	G70 RWD	3.3T	RWD	SAB	FR 225/40R19 RR 255/35R19	3,094	22.7	36.2	27.2777	4,000	27.3	3353
G70 3.3T RWD 8AT(PS4S)	G70 RWD	3.3T	RWD	SA8	FR 225/40R19 RR 255/35R19	259	22.7	35.3	27.0439	4,000	o cristia	
	G70 AWD	2.0T	AWD	SA8	FR 225/45R18 RR 255/45R18	1,781	26.4	39.6	31.0588	4,000		
G70 2.0T AWD 8AT	G70 AWD	2.0T	AWD	SA8	FR 225/40R19 RR 255/35R19	799	25.3	37.1	29.5260	4,000	0.6	2580
	G70 RWD	2.0T	RWD	SA8	FR 225/45R18	2,160	28.7	43.5	33.8884	4,000		
G70 2.0T RWD 8AT	G70 RWD	2.0T	RWD	SA8	RR 255/45R18 FR 225/40R19	1,494	27.2	40.5	31.9166	4,000	33.1	3654
		14 15 10 10 10 10 10 10 10 10 10 10 10 10 10		2 2	RR 255/35R19 FR 225/40R19		144.640	9. 2. 735/252		20		
G70 2.0T RWD 6MT	G70 RWD	2.0T	RWD	M6	RR 255/35R19 245/45R19(F)	280	23.1	39.3	28.3608	4,000	28.4	280
G90 3.3T AWD	G90 AWD	3.3T	AWD	SAB	275/40R19(R)	376	21.5	34.0	25.7621	5,000	25.7	376
G90 3.3T RWD	G90 RWD	3.3T	RWD	SAB	245/45R19(F) 275/40R19(R)	708	21.5	33.4	25.6053	5,000	25.6	708
G90 5.0 AWD	G90 AWD	5.0	AWD	SAB	245/45R19(F) 275/40R19(R)	357	19.2	32.1	23.4387	5,000	23.4	357
G90 5.0 RWD	G90 RWD	5.0	RWD	SA8	245/45R19(F) 275/40R19(R)	733	19.5	33.3	23.9701	5,000	24.0	733
G80 3.3T AWD	G80 AWD	3.3T	AWD	SA8	245/40R19"(F) 275/35R19"(R)	701	21.3	34.0	25.6037	5,000	25.6	701
G80 3.3T RWD	G80 RWD	3.3T	RWD	SAB	245/40R19"(F)	1,171	21.7	35.5	26.3008	4,500	26.3	1171
	G80 AWD	3.8	AWD	SAB	275/35R19"(R) 245/45R18"	1 142	21.9	34.5	26.2071	4 500	22002	
G80 3.8 AWD	G80 AWD	3.8	AWD	SAB	245/40R19"(F) 275/35R19"(R)	438	22.2	33.7	26.2275	4,500	26.2	1580
G80 3.8 RWD	G80 RWD	3.8	RWD	SA8	245/45R18" 245/40R19"(F)	1,966	23.5	37.6	28.2707	4,500	27.9	2611
0000.01010	G80 RWD	3.8	RWD	SA8	275/35R19"(R)	645	22.5	35.1	26.8349	4,500		
G80 5.0 AWD	G80 AWD	5.0	AWD	SAB	245/40R19"(F) 275/35R19"(R)	123	18.7	31.7	22.9319	5,000	22.9	123
G80 5.0 RWD	G80 RWD	5.0	RWD	SAB	245/40R19"(F) 275/35R19"(R)	236	19.7	34.1	24.3219	4,500	24.3	236
Santa Fe FWD 2.4 AT	Santa Fe FWD Santa Fe FWD	2.4 2.4	FWD FWD	SA8 SA8	235/60R18 235/65R17	15 426 36,756	27.6 27.8	41.8 41.8	32.5806 32.7335	4 000 4,000	32.7	52182
Santa Fe AWD 2.4 AT	Santa Fe AWD Santa Fe AWD	2.4 2.4	AWD		235/60R18 235/65R17	11 555	26.2 27.2	37.8 38.8	30.3978	4 000 4,000	31.1	40954
Santa Fe FWD 2.0T AT	Santa Fe FWD	2.0T	FWD	SA8	235/55R19	29,399 12 667	24.6	38.0	31.4282 29.2399	4 000	29.2	12667
Santa Fe AWD 2.0T AT Elantra 1.4T DCT	Santa Fe AWD Elantra	2.0T 1.4T	AWD FWD	SA8 AM7	235/55R19 195/65R15	10 498 491	24.1 41.4	38.0 58.8	28.3113 47.7599	4 500 3,000	28.3 47.8	10498 491
Elantra SE 2.0	Elantra SE Elantra SE	2.0	FWD FWD	SA6 SA6	195/65R15 195/65R15	43 014 2 830	38.5 35.9	58.5 56.9	44.9432 43.0497	3 000	44.8	45844
	Elantra Elantra	2.0	FWD	SA6 SA6	205/55R16 225/45R17	74,797 4 460	37.5 38.4	54.7 52.4	43.6808 42.1982	3,000 3,000		03502220
Elantra 2.0 AT	Elantra	2.0	FWD	SA6	205/55R16	1,699	34.9	56.5	42.1518	3,000	43.5	81133
Elantra 2.0 MT	Elantra Elantra	2.0 2.0	FWD	MB	225/45R17 195/65R15	1,202	33.4	53.1 52.1	39.8338	3 000 3,000	39.8	1202
Elantra 1.6T DCT Elantra 1.6T MT	Elantra	1.6T	FWD FWD		225/40R18 225/40R18	2 119	33.2 28.0	46.7 43.1	38.1647 33.2406	3 500 3,500	8.2 33.3	2119 355
Kona 1.6 AWD Kona 1.6 FWD	Kona AWD Kona FWD	1.6 1.6	AWD	AM7 AM7	235/45R18 235/45R18	8 240 8 407	33.4 34.9	42.8 48.0	37.0630 39.7862	3 500 3,500	37.1 39.8	8240 8497
Kona 2.0 AWD	Kona AWD	2.0	AWD	SA6	205/60R16	11 643	33.6	43.8	37.5333	3 500	37.2	21613
Kona 2.0 FWD	Kona AWD Kona FWD	2.0 2.0	AWD	SA6 SA6	215/55R17 205/60R16	9,970 14 959	32.8 35.3	43.2 48.4	36.7850 40.1957	3,500 3 000	40.4	26311
Kona EV	Kona FWD Kona Electric	2.0 Electric	FWD	SA6 A1	215/55R17 215/55R17	11,352	35.9 475.9	48.5 378.6	40.6526 426.5676	3,000 4 000	426.6	2304
Accent AT	Accent	1.6 1.6	FWD		205/45R17 185/65R15	1,325	33.8 37.1	50.5 57.3	39.7092 44.0952	3,000 2,750	43.9	31605
Accent MT Nexo	Accent	1.6 Fuelcell	FWD	M6	185/65R15 245/45R19	1,133	36.1 576.0	54.9 522.9	42.6764 550.8287	2,750	42.7	1133 135
Nexo Blue	NEXO Blue	Fuelcel	FWD	A1	225/60R17	49	635.8	561.7	600.1712	4,000	600.2	49
Sonata 1.6T 7DCT Sonata 2.4 SE AT	Sonata Sonata SE	1.6 2.4	FWD FWD		205/65R16 205/65R16	633 40,243 33 766	35.1 33.3	53.5 50.5	41.5270 39.3276 37.9868	3 500 3,500	41.5 39.3	633 40243
Sonata 2.4 AT Sonata 2.0T 8AT	Sonata Sonata	2.4 2.0	FWD		215/55R17 235/45R18	33 766 3 316	32.6 29.0	47.6 45.5	37.9868 34.6553	3 500 4 000	8.0 34.7	33766 3316
Sonata HEV Sonata HEV SE	Sonata Hybrid Sonata Hybrid SE	2.0 2.0	FWD	AM6 AM6	215/55R17 205/65R16	963 1 338	55.9 56	64 64	59.276 59.3377	4000 3500	29.3 29.3	963 1338
Sonata PHEV	Sonata plug-in hybrid	2.0	FWD	AM6	215/55 R17	506	143.1	90.6	113.5028 76.9349	4000	113.5	506
loniq 1.6 AT	loniq loniq	1.6 1.6	FWD FWD	AM6	195/65R15 225/45R17	4 075 3,818	75.7 68.3	78.5 70.4	69.2293	3500 3500	73.0	7893
lonig BLUE 1.6 AT lonig PHEV	loniq Blue Ioniq Plug-in Hybrid	1.6 1.6	FWD FWD	AM6	195/65R15 205/55 R16	5 718 2,200	75.7 208.9	79.1 109.2	77.1931 148.0666	3000 3500	77.2 148.1	5716 2200
Ioniq EV Tucson 2.0 AWD	Ioniq Electric Tucson AWD	Electric 2.0	FWD AWD		205/55R16 225/60R17	1 323 40,104	547.3 27.8	444.8 35.9	495.8783 30.9416	3500 3500	495.8 0.9	1323 40104
Tucson 2.0 FWD	Tucson FWD	2.0	FWD	SA6	225/60R17	40,948	30.1	42.4	34.6193 34.0253	3500	34.0	40948
Tucson 2.4 AWD	Tucson FWD Tucson AWD	2.0 2.4	FWD	SA6	225/60R17 245/45R19	7 215	29.1 26.3 27.5	42.9 35.3	29,7085	3500 4000	0.6	23911
	Tucson AWD Tucson FWD	2.4 2.4	AWD FWD		225/55R18 245/45R19	16,696 367	27.5 27.9	36.9 40.9	31.0606 32.5566	4000 3500		
Tucson 2.4 FWD	Tucson FWD Tucson FWD	2.4 2.4	FWD	SA6	225/55R18 245/45R19	878 7 232	27.9 27.8	40.6 41.1	32.4707 32.5382	3500 3500	33.2	22370
Ebyles CT 3.0 AT	Tucson FWD	2.4	FWD	SA6	225/55R18	13,893	28.8	42.4	33.6582 36.9526	3500	27.0	4214
Elantra GT 2.0 AT Elantra GT 1.6T DCT	Elantra GT Elantra GT	2.0	FWD		225/45R17 225/40R18	731	31.6 32	46.6 46.4	37.1944	3000 3500	37.0 37.2	731
Elantra GT 1.6T MT	Elantra GT	1.6	FWD	MB	225/40R18	225	29.3	42.6	34.0893	3500	34.1	225

Average	37.3
ROUNDED Avg. comb.	36.9179
Multiplied Factor	1.00683702
'a'	1.4357
C' FACTOR	0.0014
IW (Added Factor)	0.108893404

SF3IWC	0.2931
FE3IWC	43.4929
SF4ETW	0.0851
FE4IWC	31.9677

III. Vehicle Configuration Information

Bes name

Configuration Informa	001																		anoma	ation						
Model ype Description	Carl ne	Basic Eng ne (dtsp)	Detve	/M class	Base its	Engine code	LWW		Eng Disp	Net raied power (kW)	Net horsepower	Puel system	Emission control system	M	Number of forward append	00	NV	Azle retto	Comb ned	Projec ed	Passenger Volume	Luggage Vo ume	Interior volume index	Body style	Road load power at 50 mph	
Value or 2 0 6A	Vecser Vecser	2.0	FWD		215/ SR17 Nex) 225/ OR10 Nex)	G NHAC	3,00	3,000	20	110	17	MFI	TWC	SAE	0	Yes	37.6	3.	2.1123	5,070	09.90 09.90	19.95	109.85	(Compact Cars) (Compact Cars)	115	3,00
Velocter 2 0 6M	Vecser Vecser		FWD		215/ (R10 Nex) 215/ SR17 Nex)	G NHAC		3,125		110	17	MPI	TWC	MS		Yes	39.5	2.	30 /96	2,567	00.00	19.95	109.05	(Compact Cars)	115	
Veloater 1 6 7DC	Vecser				225/ ORIG Nex)	G FJ-AMS				150	201	DR		AMT	7	Yes	35.8	361	1 2500	3,520	89.90	19.95	109.85	(Compact Cars)	11.8	
Velocter 1 6 4M	Veceer	1.67			225/ OR18 MD	G FJ MC		3 250	16	150	201	DR		MS	6	Yes	38.9	.7	37.963	1,037	09.90	19.95	109.05	(Compact Cars)	127	3,00
Vector 1 6 188	Veca er	1.87	FWD		225/ OR18 Nex)	G FJ MC		3 250	16	150	201	DR	TWC	MB	6	Yes	39.1	.7	38 221	0	69.90	19.95	109.65	(Compact Care)	11.9	3,00
Veloater N20 M	Veos er N	2.07		10	225/ OR18	G KHANC	3,336	3 375	20	167	250	DR		MO	6	Yes	375	3.18	32.52.2	528	89.89	19.95	109.8	(Compact Cars)	13.0	3,50
STONE STOL	Vecs er N		FWD		235/35R19	G KHANC		3 375		205	275	50	TWC	MS	0	Yes	377	3 25	31 3621	901	69.69	19.95	109.8	(Compact Care)	13.	3,50
GT0 3 3 AWD 2A (P54)	GTO AWD	3.37	AND		FR: 225/ 0R19 RR: 25525R19	GIDP-AC	,213	250		272	385	DR	TWC	SAD	0	Yes	28.2	35	24. 25	1,030	93.60	10.50	10 .30	(Compact Cam)	159	,00
UTO 2 2 AWD BA (PS4S)	GTO AWD	3.3T	AND	SAS	FR: 225/ 0R19	GIDP-AC	213	250	33	272	385	8	TWC	SAD	0	Yes	20.2	35	28 2315	13	93.80	10.50	10 .30	(Compact Cam)	18.0	0
GT0 13 RWD 84 (PS4)	GTO RWD	3.31	RWD	546	FRE 225/ GRIS	GEDP-AC	,07	250	33	272	205	DR	TWC	SAS	6	Yes	26.2	35	27 2777	3,09	93.00	10.50	10.00	(Compact Cars)	150	.0
070 3 3 RWC 84 (PS45)	GTO RWD	3.37	-	SAD	RR: 255/35R19 FR: 225/ 0R19	GEDPAC	.07	250	33	272	385	DR	TWC	545		Yes	26.2	35	27 0 39	259	93.60	10.50	10 .00	(Compact Cars)	15.8	,0
and a st watch state of	GTD AWD	2.07		_	RR: 255(35R19 FR: 225/ 5R10	G KL-AC	3,973		20	100	252	09	TWC	545		Yes	26.5	35	31 0588	1,701	83.60	10.50	10.30	(Corpect Care)	1.5	1
070 2 0 AND 84				~	00-1052 50-18	1000		000			3000	1.00		-				_							10.000	_
	G70 AWD	2.07	AND	SAD	FR: 225/ 0R19 RR: 255/0R19	G KL-AC	,127	250	20	100	252	DFI	TWC	SAB	0	Yes	26.2	35	29 5260	799	90.00	10.50	10.30	(Compact Cars)	15.9	1
070 2.0 RWD 04	G70 RWD	2.07	RWD	SAS	FR: 225/ 5R10 RR: 252/ 5R10	G KLAC	3,010	3 875	20	100	252	DFI	TWC	SAS	٥	Yes	26.5	35	33 666	2,180	\$3.60	10.50	10 .30	(Compact Cars)	12.8	
CIVITO HANDER	G70 RWD	2.01	RWD	540	FR: 225/ OR19	G KL-AC	3,917	000	20	100	252	DR	TWC	SAD		Yes	26.2	35	31 9105	1.9	90.00	10.50	10.00	(Compact Cars)	10	
Q70 10 RWD 6M	G70 RWD	2.07	-	-	FR: 225/ 0R19	GRUNC	3,660	000	20	190	255	DR	TWC	ME		Yes	37.	35	25 3605	200	93.00	10.50	10.30	(Corpect Care)	1.1	1
		_		-	RR: 255(05R-19				_			_		_		_				_	_	_				_
GRO S S AIND	GRO AWD	3.31		SAD	275/ 0819 R	GIOP-AC	,70	\$ 000	33	275	200	DR	TWC	GAB	0	Yes	27	35	25 7621	376	113 20	15.70	128.90	6(Large care)	16.	5,
GRO S S RWD	GRO RWD	3.37	RWD		275/ OR19 R	GIDP-AC	,630	5 000	33	273	300	DFI	TWC	SAS	٥	Yes	27	35	25 6053	708	113 20	15.70	128.90	S(Large cars)	155	5
CHOID & D AWED	GRD AWD	5.0	AND	SAS	2 5/ 5R19 F)	GODE-AC	,905	5 250	50	213	20	DR	TWC	SAD	8	Yes	27	35	23. 367	357	113 20	15.70	128.90	O(Large cars)	10.	5
GING 5 6 RWD	G90 RWD	5.0	RWD	SAG	2 5/ 5R19 F) 275/ 0R19 F)	GERE-AC	,751	5 000	50	213	20	DR	TWC	SAD	0	Yes	27	35	23 9701	755	113.20	15.70	128.90	6(Large cars)	150	5
GRO 1 AWD	Gao AWD	3.37	-	-	2 SI 0R19 (F)	GIEP-AC		5 000	22	272	205	07	TWC	545		Yes	25.0	25	25 6037	701	107.70	15.29	122.99		15.9	
				-	275/35R19 (R) 2 5/ 0R19 (R)																			6(Large care)		
GEO 3 3 RWD	GEO RWD	3.31	RWD	SAB	275/35R19 (R)	GIDP-AC	,019	750	33	272	305	DR	TWC	648	0	Yes	25.6	35	25 3008	4,471	107 70	15.29	122.99	6(Large cara)	15.2	
GED 3 8 AWD	GRO AWID		AND		2 5/ SR18	GIDNAC	,750	750		232	311	PC		SAB	0	Yes	20.3	391	28 2071	1,1.2	107 70	15.29	122.00	6(Large cara)	15.	
Service and the	GRO AWO	3.8	AND	-	2 5/ 0R19 (F) 275/36R19 (R)	GIDNAC	A 0	750	30	252	211	DFI	TWC	SAD	0	Yes	256	391	26 2275	20	107 70	15.29	122.99	O(Large cars)	10.3	
GER 3 & RWD	G80 RWD	3.6		SAD	2 5/ 5R18	GEDNIAC	,000	500	30	252	311	DR	TWC	SAD	0	Yes	28.	391	28 2707	1,995	107 70	15.29	122.99	6(Large cars)	13.9	
	GEO RWD	3.8	RWD		2 5/ 0R19 (F) 275/05R19 (F)	GEDHAC	,850	750	38	252	211	DFI	TWC	SAS		Yes	28.5	391	25 65 9	0.5	107 70	15.29	122.60	6(Large cars)	1.9	
CINA D & DED	GRD AWD	5.0	AND	SAD	2 5/ OR19 (F)	GODE-AC	5,016	5000	50	313	20	PR	TWC	SAS.	0	Yes	25.6	35	22 9319	123	107 70	15.29	122.99	6(Large cars)	10.3	5
GEO 5 9 RWD	GRO RWD	5.0	RWD		2 5/ 0R19 (F) 275/0R19 (R)	GARE-AC	,001	750	50	213	20	DFI	TWC	546	0	Yes	25.6	35	2 3219	236	507 70	15.29	122.00	S(Large cars)	1.6	
	Sector For FWD	2		-	275/05R19 (Pb	G KUAC				130	145	00	TWC			Yes	28.1	340	10 5808	15.38		6.9		30(Small SUV 2WD)		
Santa Fe FWD 2 4 A	Santa Fe FWD	2			235/65R17	G KLACS		3 875		130	185	DR		SAD	0	Yes	29.2	360	32 7336	38,758	-	SUN	_	30/Smail SUV 2WD)	1 2	
Sen a Fa AWD 2 4 A	Santa Fe AWD	2	AND	540	235/60R10	G KUAC		250		130	185	DR		546	0	Yes	313	.10	30 3978	11.555	0	SUN	- 8	Smil SUV WD	15.2	
San a Fe AWD 2 4 A	Santa Fe AWD	2	AWD	SAD	235/65R17	G KUAC	,059	000	2	138	185	DRI	TWC	SAS	0	Yes	31.5	.10	31. 262	29,399		SUV		Smil SUV WD	150	
Santa Fe FWD 20 A	Santa Fe FWD	2.07			235/55R19	G KOHAO				175	235	DR		SAS	0	Yes	26.0	3 32	29 2369	12,007)C	SUN	10	30(Small SUV 2WD)	1.0	
Santa Fe AWD20 A	Santa Fe AWD				235/55719	G KOHAC			20	175	235	RO	TWC		0	Yes	275	351	28 3113	10, 98	Q (SUN		Smill SUV WD	10.1	
Bantra 1 4 DO	Canta		FWD		195/65R15	G LD AMO		3,125	1.	96	128	8		AMT	7	Yes	31.6	3.1	7 7560	91	95.80	1.0	110.20	5(Mdaba cars)	10.0	3
Elente SE 20	Ciantra SC				195/05R15	G NHAC				110	17	97		SAG	6	Yes	33.1	3.06	9.22	3,01	95.60	1.0	110.20		98	
20030000	Electro SE		PWD		195/65R15	G NHACS				110	17	97		546	0	Yes	22.1	306	30 97	2,830	95.00	1.0	110.20	S(Midaba cars) S(Midaba cars)	98	
	Canto Canto				205/55R16 225/ 5R17	G NHAC				110	17	97		SAG	0	Yes	33 2	306	2,1962	7,797	95.00	1.0		S(Midebe care)	90.1	
E antra 2 0 A	Centra				205/55216	G NHACS				110	17	65	TWC		6	Yes	23.1	3.06	2.1516	1,000	95.60	1.0	110.20		10.1	
	Centre				225/ 5R17	G NHACS				110	17	50		646	0	Yes	33.2	3.00	1.1070	177	95.00	1.0	110.20		10.8	
Eian na 2 0 M	Ciantra	2.0	FWD	MO	195/65R15	G NHMC				110	17	SFI .		MS	0	Yes	38.5	33	39 6336	1,202	95.00	1.0	110.20	S(Mideba cars)	10 2	
Bantra 1 6 DO	Eantra				225/ OR18	G FJ-AMC				150	201	PR		AMT	7	Yes	359	361	30.16 7	2,119	95.00	1.0	110.20	5(Mdaba cars)	11.8	
Easts 16 M	Earts				225/ OR18	G FJ MC				150	201	DRI I		MS	0	Yes	39.2	.7	30 2 06	355	95.60	1.0	110.20	S(Midaba cars)	12.1	
Kona 1 6 AWD	Kone AWD		AND		235/ 5818	G FJ-AMC			16	131	175	DR		AM7	7	Yes	32	361	37 0630 39 7662	8,2 0 8, 97		SUV	_	Smill SUV WD 30(Smill SUV 2WD)	15	
Kona 1 6 FWD	Kona PWD	1.0	PWD		236/ SR18	G FJ-AMC				151	175	9				Yes	305		39 7662		8	SUV	X		12.6	
Kons 2 6 AWD	Kone AWD				205/60R16 215/55R17	G NHAC				110	17	50		SAD	0	Yes	37.9	385	37 5330	11,6 3	100 m	SUV GIN		Small SLV WD	108	
10 Sec. 1	Kone EWD				205/60R16	G NHAC				110	17	95		544		Yes	30.6	3.51	0.1957	1.050		SUN		305ma15LV 2WD	12.5	
Kona 2 0 FWD	Kene FWD	2.0	FWD	540	215/55817	G NHAC				110	17	5		546	0	Yes	30.0	351	0.0526	11.302	2	SUV		205ma I SUV 2WD)	12.6	
Kona EV	Kons Electro	Eactic	FWD		215/65R17	EMIS	,070	000	00	26	37	EL.	NA	AI	1	No	155.1	3.3	20.5070	2,30	8	SUN		30(Small SUV 2WD)		
AccentA	Accent			SAD	205/ 5R17	G FD-AC				97	130	DR		646	6	Yes	33.6	3 07	39 7092	1,325	90.50	18.00	108.50		10.9	
	Accent				105/05R15	G FD-AC				97	130	DR		SA6	6	Yes	33.6	3.07	0952	30,290	90.50	18.00	108.50		90	
Accent M	Accent				105/05215	G FD-MC				97	130	DR		MB	0	Yes	06	06	2 676	1,130	80.50	18.00	108.50		9.	
Nexo Nexo Blue	Nexo Stan	Fueldel	I PWD	AI	2 5/ SR19	FM12	. 17	500 250		120	101	E E		A1 A1	1	No	100.3	353	550.8287	135	8	SUN	- 8	30(Small SUV 2WD) 30(Small SUV 2WD)	150	
Nezo Blue Sonata 1 6 700	Consta		FWD	AL	225/60R17	FM12 G FJ-AMC		250		120	101	H		A1 AM7	÷	No Yes	101,5	353	1,5330	011	106.10	SUV 16.30	122. 0	50(Sma1 SLV 2WD) 6(Large cars)	1.1	
Som a 245EA	Gorata SE				205/65R16	G KLACS				100	105	DR		546		Yes	295	2.09	39 3275	02.3	106.10	10.30	122. 0	6(Large cars)	10.5	
Sonata 24 A	Sonata	2	FWD		215/55817	G KU-ACS				150	185	10		546	6	Yes	295	2.69	37 9666	33,766	106.10	16.30	122.0	6(Large cara)	115	
Sonata 2 6 BA	Sonata	2.0			235/ SR18			3 875		105	2.6	DRI		SAS	8	Yes	28.5	3.32	3 6553	3,310	106.10	10.30	122. 0	6(Large cars)	11.9	
Sonata HEV	Gonata Hyb Id		FWD		21565817			000		115	15	DR		AMO	0	Yes	3.4	3.32	59 2700	903	106.10	13.0	119.50	S(Midaba cara)	10.9	
Sonata HEV SE	Sonata Hyb Id SE		PWD		205/65R16		3,79	3 750	20	115	15	PG		AMO	0	Yes	3.1	3 32	59 3377	1,336	106.10	13.0	119.50	S(Midaba cara)	10.1	
Sonata PHEV	Sonata plug-in hybrid				215/55 R17	G NG-AC				115	15	9		AMO	6	Yes	98.0	351	113.5028	506	105 70	990	115.00	5(Midaba cara)	110	
koniq 1 6 A	aniq ania				195/65R15	G LE-AC				78	10	80		AMO	6	Yes	32.6	305	75 93 9	,075	90.20	26.50	122.70	6(Large cars) 6(Large cars)	9.1	
long BLUE 16A	oniq Dive				225/ SR17 195/65R15	G LE-AC				76	10	90		4440	0	Yes	32.5	305	77 1911	5,010	90.20	20.50	122.70	6(Large cars) 6(Large cars)	902	
Ion q BLUE 1 6 A	oniq Dius oniq Plug-in Hybrid		FWD		205/55 R16		3,053		10	76	10	DR		AMO	6	Yes	22.6	305	1 0.0000	2,200	90.20	25.00	122.70	5(Mdaba cara)	95	
ka g EV	oniq Electric		FWD		205/55R16		3, 66			67	117	Electric		AI	1	NA	103.1	3.3	95.8780	1,323	90.20	23.00	119.20	S(Midaba cars)	93	
ucaon 2 0 AWD	Tucaon AWD	2.0	AND	SAG	225400917	GINC-AC				120	101	DR	TWC	SAS	6	Yes	3.1	351	30.9 16	0,10		SUN	-	Small SUV WD	15.1	
ucaon 2 0 FWD	Tucson FWD				225/60R17	GINC-AC				120	101	DR		SAS	0	Yes	355	365	3 6190	0	<u>)</u>	SUV	1	30(Sma1 SUV 2WD)	13.2	
	Tucaon FWD	2.0			225/60R17	GENC-ACS				120	101	50		SAB	6	Yes	355	365	3 0253	0,9 5		SUV		30(Smail SUV 2WD)	13.2	
ucase 24 AWD	Tucaon AWD	2	AND	540	2 5/ 5R19		3,929			155	101	DR		546	0	Yes	31.1	3 20	29 7065	7,215	61	SUN		Smill SUV WD	15.9	
44.00000	Tucson AWD				225/55R18	G KUNC				135	101	10	TWC		6	Yes	31.1	3 20	31 0606	10,090	1	SUV		Smill SUV WD	157	
	Tucson FWD	2	PWD		2 5/ 5819	G KINC		3 750		135	101	8		546	0	Yes	29.8	306	22 5566	367	1	SUV		30(Sma1 SUV 2WD)	10	
ucaon 2 4 FWD	Tucson FWD Tucson FWD	2	PWD		225/55216	G KHAC				135	101	80		SA6 SA6	6	Yes	29.8	306	32.707 32.5362	676 7,232	1	SUV		30(Smail SUV 2WD) 30(Smail SUV 2WD)	13	
	Tuction FWD	2	FWD		2 5/ 5R19 225/55R18	G KLACS				136	101	DR DR		546	0	Yes	29.8	306	22 5362	13,090		SUV		30(Smail SUV 2WD) 30(Smail SUV 2WD)	10	
Eian na G. 20A	Easte GT	2.0	FWD	SAG	225/ 5817	G ND-AC				120	101	09	TWC		0	Yes	353	3 27	30 9536	,21	97.00		122.00	6(Large care)	113	
					225/ OR18	G FJ-AMO				150	201			_		Yes	35.6	361		-	97.00	25.00	-		12.5	
Elante 0 18 DC	Eantra GT	1.0	PWD	AMO	225/ OR18						201	DR	TWC	AM7			30.0	301	27.10		87.00	25.00	122.00	6(Large cara)	14.5	