Mazda Motor Corporation

2019 Pre-Model Year Automotive Fuel Economy Report

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Pre-Model Year Report for Model Year 2019

1. Information for the Passenger Automobiles

1-1. Projected Average Fuel Economy:

	Before Adjust	After Adjust (c=0.0014)	Rounded to 1 decimal place	MFR Projected Reformed CAFE Standard
Import CAFE	38.7226	39.0196	39.0	42.5

1-2. Model type and configuration fuel economy and technical information

1-2-1. By Model Type

1-2-1-1. Combined fuel economy and projected production volume for Import Carlines

Model Type	Combined Fuel Economy	Projected Production Volume	Total Production Volume
MAZDA2 (1.5L) M6	47.1	[72]	
MAZDA2 (1.5L) S6	48.5	[288]	
MX-5 (Soft Top & RHT) (2.0L) M6 SIL	39.3	[9125]	
MX-5 (Soft Top & RHT) (2.0L) S6	40.3	[5665]	
CX-3 2WD (2.0L) S6	41.9	[5657]	
CX-3 4WD (2.0L) S6	39.6	[12023]	
Mazda3 4-Door 2WD	41.6	[12615]	
(2.5L w/o Cylinder Deactivation) S6			
Mazda3 4-Door 2WD	41.0	[14526]	
(2.5L_w/ Cylinder Deactivation) S6			
Mazda3 4-Door 4WD	38.2	[11086]	
(2.5L w /Cylinder Deactivation) S6			
Mazda3 5-Door 2WD	39.4	[1051]	
(2.5L_w/ Cylinder Deactivation) M6 SIL			[170908]
Mazda3 5-Door 2WD	40.1	[5255]	
(2.5L w/ Cylinder Deactivation) S6			
Mazda3 5-Door 4WD	37.0	[4204]	
(2.5L_w/ Cylinder Deactivation) S6			
MAZDA6	37.0	[393]	
(2.5L w/o Cylinder Deactivation) M6 SIL			
MAZDA6	39.8	[13509]	
(2.5L_w/ Cylinder Deactivation) S6			
MAZDA6 (2.5L_T/C) S6	35.3	[8204]	
MAZDA6 (2.2L) S6	41.0	[2456]	
CX-5 2WD	37.1	[58301]	
(2.5L_w/ Cylinder Deactivation) S6			
CX-5 2WD (2.5L_T/C) S6	33.3	[810]	
CX-5 2WD (2.2L) S6	41.2	[5668]	

1-2-1-2. Application of air conditioning, off-cycle efficiency improvement technology for Import Carlines

Not applicable.

1-2-2-1. By Vehicle Configuration for Import Carlines

1-2-2	2-1. by verili	CIE C	OHIII	yura	UOII	101 11	HPOI	LOa	IIIIIIC	3	3 3	3 4	9	9 3	3 5	2 5	8	2 9	2 8		2 0	2	5.00						g 87	5 8		
NO. CFG	VEHICLE CONFIGURATION	SALES	WC	LVW	ETW	SP	CYL	SAE	SAE	ENGINE CODE	FUEL	EMS CTL	T R	G R	0 D	NV	AXLE	COMB	PROJ PROD	VOL	BODY	ROAD LOAD	TIRE SIZE	BASE	TRACK WIDTH Front	TRACK WIDTH Rear	TRACK WIDTH	WHEEL BASE	PRINT	FRNT AREA	Α	A P
OI O	2004		20000	20073	Artemas ir.	(L)	101000	kW	HP		50000	SYS	N	S	100	9800	THE COLUMN	-	VOL	(ft³)	-	HP	TO SHEET WATER THE TANK	IIIVE	(in)	(in)	(in)	(in)	(ft²)	(ft²)		SS
1	MAZDA2	50S	2500	2630	2625	1.5	4	79	106	6P5V3AAB	DFI	(*1)	М	6	Y	37.6	4.105	47.1	72	102.6	5HB	10.2	P185/65 R15	X	58.8 ±1.0	58.4 ±1.0	58.6 ±1.0	101.2 ±1.0	41.2 ±1.2	23.2	Y	YY
2	MAZDA2	50S	2750	2681	2750	1.5	4	79	106	9P5VSAAA	DFI	(*1)	S	6	Y	32.2	3.824	48.5	288	102.6	5HB	9.9	P185/65 R15	X	58.8 ±1.0	58.4 ±1.0	58.6 ±1.0	101.2 ±1.0	±1.2	23.2	Υ	YY
3	MX-5 W/SIL	50S	2500	2639	2625	2.0	4	135	181	9PEPU3AAA	DFI	(*1)	М	6	N	41.9	2.866	39.3	4777	n/a	ST	11.7	195/50 R16	x	58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	YY
																40.9	2.866			n/a	ST	11.7	205/45 R17		58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	YY
4	MX-5 W/SIL	50S	2750	2753	2750	2.0	4	135	181	9PEPU3AAB	DFI	(*1)	М	6	N	40.9	2.866	39.3	4348	n/a	RHT	11.7	205/45 R17		58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	YY
5	MX-5	50S	2750	2688	2750	2.0	4	135	181	9PEPUSAAA	DFI	(*1)	S	6	Y	30.5	3.583	40.3	2470	n/a	ST	11.8	195/50 R16	X	58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0		YY
																29.8	3.583			n/a	ST	11.8	205/45 R17		58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	7.00	YY
6	MX-5	50S	2750	2793	2750	2.0	4	135	181	9PEPUSAAB	DFI	(*1)	S	8	Y	29.8	3.583	40.3	3195	n/a	RHT	11.8	205/45 R17		58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	YY
7	CX-3 2WD	Fed	3000	3151	3125	2.0	4	110	148	9PEUSAAM	DFI	(*1)	S	6	Υ	34.3	4.325	41.9	2717	103.5	5WGN		P215/60 R16	X	60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	YY
	44000000000	and the Control of the					and the same			**********						33.8	4.325			103.5	5WGN	10000000	P215/50 R18		60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	YY
8	CX-3 2WD	Calif	3000	3151	3125	2.0	4	110	148	9PEUSAA1	DFI	(*1)	S	6	Y	34.3	4.325	42.0	2940	103.5	5WGN		P215/60 R16	x	60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	YY
																33.8	4.325			103.5	5WGN	0.000	P215/50 R18		60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	A	YY
8	CX-34WD	Fed	3000	3294	3250	2.0	4	110	148	9PEUGAAM	DFI	(*1)	S	6	Y	34.3	4.325	39.6	5775	103.5	5WGN	92587	P215/60 R16	X	60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	YY
																33.8	4.325			103.5	5WGN		P215/50 R18		60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	Y
10	CX-34WD	Calif	3000	3294	3250	2.0	4	110	148	9PEUGAA1	DFI	(*1)	S	8	Υ	34.3	4.325	39.7	6248	103.5	5WGN	13.0	P215/60 R16	X	60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	YY
										451415444						33.8	4.325			103.5	5WGN		P215/50 R18		60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	YY
11	Mazda3 4-Door 2WD	50S	3500	3349	3375	2.5	4	139	186	9PYUSAAA	DFI	(*1)	S	6	Υ	27.7	3.422	41.6	2402	106.0	SDN	10.3	205/60 R16	x	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	- 4	YY
																27.7	3.422	39.8	0	106.0	SDN	10.8	215/45 R18		81.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	Y	YY
12	Mazda3 4-Door 2WD	50S	3500	3349	3375	2.5	4	139	186	9PYUSABA	DFI	(*1)	S	6	Y	27.7	3.422	41.6	10213	106.0	SDN	10.3	205/60 R16	X	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	Y	YY
																27.7	3.422	39.8	0	106.0	SDN	10.8	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	1 To 10	YY
13	Mazda3 4-Door 2WD	50S	3500	3371	3375	2.5	4	139	186	9PYUDSAAA	DFI	(*1)	S	6	Y	29.3	3.626	42.3	0	106.0	SDN	10.0	205/60 R16	X	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	18	YY
																29.3	3.626	41.0	2766	106.0	SDN	10.6	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	1	YY
14	Mazda3 4-Door 2WD	50S	3500	3371	3375	2.5	4	139	186	9PYUDSABA	DFI	(*1)	S	6	Y	29.3	3.626	42.3	0	106.0	SDN	10.0	205/60 R16	X	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2		Y
													, ,			29.3	3.626	41.0	11760	106.0	SDN	10.6	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	Y	Y
15	Mazda3 4-Door 4WD	50S	3500	3548	3625	2.5	4	139	186	9PYUDGAAA	DFI	(*1)	S	6	Υ	29.3	3.626	39.1	0	106.0	SDN	11.0	205/60 R16	x	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	Y	YY
	137968															29.3	3.626	38.2	2111	106.0	SDN	11.5	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	Y	YY
16	Mazda3 4-Door 4WD	50S	3500	3548	3625	2.5	4	139	186	9PYUDGABA	DFI	(*1)	S	6	Y	29.3	3.626	39.1	0	106.0	SDN	11.0	205/60 R16	x	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	Y	Y
																29.3	3.626	38.2	8975	106.0	SDN	11.5	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.2	Y	YY
17	MAZDA3 5-Door 2WD	50S	3500	3322	3375	2.5	4	139	186	9PYUD3AAA	DFI	(*1)	М	6	Y	35.4	3.850	39.4	0	112.8	5HB	10.5	205/60 R16	x	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.0	Y	YY
	W/SL															35.4	3.850	39.4	1051	112.8	5HB	11.1	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.0	Y	YY
18	MAZDA3 5-Door 2WD	50S	3500	3382	3375	2.5	4	139	186	9PYUDSAAA	DFI	(*1)	S	6	Y	29.3	3.626	40.9	0	112.8	5HB	10.6	205/60 R16	x	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.0	Y	YY
																29.3	3.626	40.1	5255	112.8	5HB	11.2	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.0	Y	YY
19	MAZDA3 5-Door 4WD	50S	3500	3555	3625	2.5	4	139	186	9PYUDGAAA	DFI	(*1)	S	6	Υ	29.3	3.626	37.6	0	112.8	5HB	11.6	205/60 R16	x	61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.0	Y	YY
																29.3	3.626	37.0	4204	112.8	5HB	12.1	215/45 R18		81.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	48.2 ±1.2	24.0	Y	YY
	AC Air Contioning ARS A					6								L											21.0	11.0	21.0	21.0	21.2			

1-2-2-1. By Vehicle Configuration for Import Carlines

NO.	I. Dy VCIII			3				2000 V	100 S S S S S S S S S S S S S S S S S S			72702	9250	1220					100000	100123	W2 202205	122222	ř –		TRACK	TRACK	2203355	1000050			OP	TION(#1
CFG	VEHICLE CONFIGURATION	SALES	WC	LVW	ETW	SP (L)	CYL	SAE NET kW	SAE NET HP	CODE	FUEL	CTL SYS	R	G R S	O D	NV	AXLE	COMB	PROD VOL	VOL (ft³)	BODY STYLE (#2)	LOAD HP	TIRE	BASE	WIDTH Front (in)	WIDTH Rear (in)	TRACK WIDTH (in)	BASE (in)	PRINT (ft²)	FRNT AREA (ft²)	A	A B S
20	MAZDA6 W/SIL	50S	3500	3660	3625	2.5	4	139	187	8PYU3FAA	DFI	(*1)	М	6	Y	36.1	4.105	37.0	393	114.6	SDN	11.1	P225/55 R17	x	62.4 ±1.0	62.0 ±1.0	62.2 ±1.0	111.4 ±1.0	48.1 ±1.2	24.6	Υ	Y
																35.8	4.105	37.1	0	114.6	SDN	11.4	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y
21	MAZDA6	50S	3500	3733	3750	2.5	4	139	187	8PYUDSFAA	DFI	(*1)	S	6	Y	29.5	3.812	39.7	3193	114.6	SDN	11.2	P225/55 R17	x	62.4 ±1.0	62.0 ±1.0	62.2 ±1.0	111.4 ±1.0	48.1 ±1.2	24.6	Y	Y
	1.7100 - 3307.7		and the second		TO DO NO SE	1900		- 2000			10000	VANC. 1		2.55	25.00	29.3	3.812	39.8	10316	114.6	SDN	11.5	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y
22	MAZDA6	50S	4000	3880	3875	2.5 T/C	4	169	227	8PYTSFAA	DFI	(*3)	S	6	Y	31.7	4.090	35.6	0	114.6	SDN	11.8	P225/55 R17	X	62.4 ±1.0	62.0 ±1.0	62.2 ±1.0	111.4 ±1.0	48.1 ±1.2	24.6	Y	Y
						3255										31.5.	4.090	35.3	8204	114.6	SDN	12.0	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y
23	MAZDA6	50S	4000	4148	4250	22	4	125	168	9SHGFAA	DFI	(*2)	S	6	Y	31.5.	4.090	41.0	2456	114.6	SDN	13.2	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y
24	CX-5 2WD	50S	4000	3841	3875	2.5	4	139	187	8PYUDSAAA	DFI	(*1)	S	6	Y	31.5	4.325	37.1	36438	134.5	5WGN	13.4	P225/65 R17	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Υ
		1000000										1200		- 1000 cm		31.2	4.325	37.1	21863	134.5	5WGN	13.3	P225/55 R19		62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y
25	CX-5 2WD	50S	4000	3988	4000	2.5 T/C	4	169	227	9PYTSLAA	DFI	(*3)	S	6	Y	31.8	4.411	33.3	810	134.5	5WGN	13.8	P225/55 R19	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y
26	CX-5 2WD	50S	4000	4101	4000	2.2	4	125	168	8SHSAAA	DFI	(*2)	S	6	Υ	31.8	4.411	41.2	5668	134.5	5WGN	13.8	P225/55 R19	x	62.8	62.8 ±1.0	62.8	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y

^(#1) AC Air Contioning, ABS Anti-lock Brake System, PS Power Steering
(#2) ST Soft top, RHT Retractable Hard Top

^(*1)TWC/WU-TWC/HO2S/WR-HO2S/DFI

^(*2)WU-OC+NAC/NH3OC/SCRC/DPF/CAC/TC/DFIEGRC/WR-HO2S/NOXS/PMS/EGR/RDQS (*3)TWC/MU-TWC/HO2S/WR-HO2S/DFI/CAC/TC/EGR/EGRC

2. Information for the Non-passenger Automobiles

2-1. Projected Average Fuel Economy

	Rounded to 4 decimal place	Rounded to 1 decimal place	MFR Projected Reformed CAFE Standard
Truck CAFE	33.8555	33.9	33.7

2-2. Model type and configuration fuel economy and technical information:

2-2-1. By Model Type

2-2-1-1. Combined fuel economy and projected production volume

Model Type	Combined Fuel Economy	Projected Production Volume	Total Production Volume
CX-5 4WD (2.5L_w/ Cylinder Deactivation) S6	35.2	[68503]	
CX-5 4WD (2.5L_T/C) S6	31.7	[18138]	
CX-5 4WD (2.2L) S6	38.9	[10526]	[121967]
CX-9 2WD (2.5L_T/C) S6	32.1	[9176]	
CX-9 4WD (2.5L_T/C) S6	29.6	[15624]	

2-2-1-2. Application of air conditioning, off-cycle efficiency improvement technology, full-size pick-up trucks

Not applicable.

2-2-2. By Vehicle Configuration

NO. CFG	VEHICLE CONFIGURATION	SALES AREA	IWC	LVW	ETW	SP (L)	CYL	SAE NET kW	SAE NET HP	ENGINE	FUEL	EMS CTL SYS	T R N	G R S	0	N/V	AXLE	COMB FE	PROJ PROD VOL	PASS CARRYING VOL (ft3)	CARGO CARRYING VOL (ft3)	ROAD LOAD HP	TIRE SIZE	BASE TIRE	TRACK WIDTH Front (in)	TRACK WIDTH Rear (in)	TRACK WIDTH (in)	WHEEL BASE (in)	FOOT PRINT (ft²)	FRNT AREA (ft²)		A P B S
1	CX-5 4WD	50S	4000	3979	4000	2.5	4	139	187	8PYUDGAAA	DFI	(*1)	S	6	Υ	33.7	4.624	35.2	36438	103.6	30.9	14.2	P225/65 R17	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	YY
60					b											33.3	4.624	35.1	32065	103.6	30.9	14.1	P225/55 R19		62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	YY
2	CX-5 4WD	50S	4000	4125	4250	2.5 T/C	4	169	227	9PYTGLAA	DFI	(*3)	S	6	Y	31.5	4.411	31.7	18138	103.6	30.9	14.7	P225/55 R19	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	YY
3	CX-5 4WD	50S	4000	4240	4250	2.2	4	125	168	8SHGAAA	DFI	(*2)	S	6	Υ	31.8	4.411	38.9	10526	103.6	30.9	14.7	P225/55 R19	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	YY
4	CX-9 2WD	50S	4500	4517	4500	2.5 T/C	4	169	227	7PYTSAAA	DFI	(*3)	S	6	Υ	30.5	4.411	32.7	868	134.9	14.3	14.6	P255/60 R18	x	65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	YY
88																30.5	4.411	32.1	8308	134.9	14.3	15.5	P255/50 R20		65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	Y
5	CX-9 4WD	50S	4500	4683	4750	2.5 T/C	4	169	227	7PYTGAAA	DFI	(*3)	S	6	Υ	30.5	4.411	30.2	620	134.9	14.3	15.7	P255/60 R18	x	65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	Y
		-88									,					30.5	4.411	29.6	15004	134.9	14.3	16.2	P255/50 R20		65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	Y

(#1) AC: Air Contioning, ABS: Anti-lock Brake System, PS: Power Steering

(+1) THC/NU_THC/HO2S/NR-H02S/DF1
(+2) NU_OC+NAC/NH3OC/SCRC/DFF/CAC/TC/DF1/EGRC/NR-H02S/NOXS/PMS/EGR/RDQS
(+3) THC/NU_THC/H02S/NR-H02S/DF1/CAC/TC/EGR/EGRC

3. Light Truck Vehicle Information by Vehicle Configuration

N		TRANSPORT MORE	PROV DE TEMPORARY	TRANSPORT PROPERTY ON AN	GRATER CARGO- CARRYNG THAN	PERMIT EXPANDED USE OF THE AUTOMOBILE FOR CARGO-CARRYNG	EXISTENCE OF 4-WHEEL DRIVE	6000 <gvwr< th=""><th>APPROACH ANGLE</th><th>BREAKOVER ANGLE</th><th>DEPARTURE ANGLE</th><th>MIN. RUNN NG</th><th>CLEAF</th><th>(LE RANCE m)</th></gvwr<>	APPROACH ANGLE	BREAKOVER ANGLE	DEPARTURE ANGLE	MIN. RUNN NG	CLEAF	(LE RANCE m)
CI	G CONFIGURATION	THAN 10 PERSONS	LIV NG QUARTERS	OPEN BED	PASSENGER- CARRYNG VOLUME	PURPOSES OR OTHER NON-PASSENGER- CARRYNG PURPOSES	(YES/NO)	(lb)	(deg)	(deg)	(deg)	CLEARANCE (cm)	Front	Rear
	CX-5 2 5L S6 4x4	NO	NO	NO	NO	NO	YES	NO	17.0	15.4	22.5	20.9	23.4	24.8
:	CX-5 2 5L T/C S6 4x4	NO	NO	NO	NO	NO	YES	NO	17.0	15.4	22.5	20.9	23.4	24.8
:	CX-5 2 2L S6 4x4	NO	NO	NO	NO	NO	YES	NO	17.0	15.4	22.5	20.9	23.2	24.8
	CX-9 2 5L S6 4x2	NO	NO	NO	NO	YES	NO	NO	17.5	18.0	20.5	20.4	25.0	
:	CX-9 2 5L S6 4x4	NO	NO	NO	NO	YES	YES	NO	17.5	18.0	20.5	20.4	25.0	25.3

4-1. Footprint Data Import Passenger Car, Light Truck

					import i asseriger			T	IN LIE E	Tun II	F 17 1	D T 1		Francisco Contract	-	F 4 14	F- 1-1-1	Dr. L	Dr. 1.17	14-1	Tuno	lou	1000	F 4 24	F-1-1-1	W. L. Frank
Category	Type Index	MFR Code	Code	Code	Carline Name	Basic Engine Index	Transmissio n Class Index		Model Type Footprint Description: Mfr comments	Wheel base (inches rounded 1 decimal place)	Front Track Width (inches rounded to 1 decimal	Rear Track Width (inches rounded to 1 decimal	Avg Track Width (inches rounded to 1 decimal	Footprint (square feet rounded to one decimal place)	Footprint Projected Model Year Production Units	Footprint- base CO2 (gpm) target (round to 1 decimal	base CO2 (gpm) target (unrounded)	Volume x Footprint- base CO2 target	Model Type CREE	Volume x Model Type CREE	N2O Compliance Std (gpm) per § 86.1818-	CH4 Compliance Std (gpm) per §86.1818-	Equivalent Debits per § 86.1818- 12(f)(4)	base FE (mpg) target (round to 2 decimal	Footprint- base FE (m pg) target (unrounded)	
				V-27						5	place)	place)	place)			place)					12(f)(1) or (f)(3)	12(f)(1) or (f)(3)	(rounded to whole megagram)	places)		
PC_I	. 1	TKX	1	2	Mazda2	1.5L Gasoline	201	M6 SIL	P185/65R15	101.2	58 8	58.4	58.6	41.2	72	176 0	176.004	12672	187	13464	0 010	0 030	0	46.65	46 653	1.54340836
PC_I	2	TKX	1	2	Mazda2	1.5L Gasoline	202	S6	P185/65R15	101.2	58 8	58.4	58.6	41.2	288	176 0	176.004	50688	182	52416	0 010	0 030	0	46.65	46 653	6.17363344
PC_I	3	TKX	1	50	MX-5 (Soft Top & RHT)	2.0L Gasoline	401	M6 SIL	195/50R16	90 9	58 9	59 2	59.0	37.2	9,125	175 0	175.000	1596875	225	2053125	0 010	0 035	223	46.87	GULD AND A	194.687433
PC_I	4	TKX	1	50	MX-5 (Soft Top & RHT)	2.0L Gasoline	402	S6	195/50R16	90 9	58 9	59 2	59.0	37.2	5,665	175 0	175.000	991375	221	1251965	0 010	0 035	138	46.87	46 870	120.866226
PC_I	5	TKX	1	3	CX-3 2WD (Fed)	2.0L Gasoline	102	S6	P215/60R16	101.2	60 0	59 9	60.0	42.2	2,717	180 2	180.174	489603.4	212	576004	0 010	0 035	66	45.63	45 634	59.5441595
PC_I	6	TKX	1	3	CX-3 2WD (Calif)	2.0L Gasoline	102	S6	P215/60R16	101.2	60 0	59 9	60.0	42.2	2,940	180 2	180.174	529788	212	623280	0 010	0 030	0	45.63	The second secon	64.4312952
PC_I	7	TKX	1	4	CX-3 4WD (Fed)	2.0L Gasoline	103	S6	P215/60R16	101.2	60 0	59 9	60.0	42.2	5,775	180 2	180.174	1040655	223	1287825	0 010	0 035	141	45.63	45 634	126.561473
PC_I	8	TKX	1	4	CX-3 4WD (Calif)	2.0L Gasoline	103	S6	P215/60R16	101.2	60 0	59 9	60.0	42.2	6,248	180 2	180.174	1125889.6	223	1393304	0 010	0 030	0	45.63	45 634	136 92746
PC_I	9	TKX	1	37	Mazda3 4-Door 2WD	2.5L Gasoline w/o Cylinder Deactivation	305	S6	205/60R16	107.3	61.7	62 2	62.0	46.2	12,615	196 9	196.854	2483893.5	213	2686995	0 010	0 030	0	41.97	41 970	300.571837
PC_I	10	TKX	1	37:	Mazda3 4-Door 2WD	2.5L Gasoline w/ Cylinder Deactivation	306	S6	205/60R16	107.3	61.7	62 2	62.0	46.2	14,526	196 9	196.854	2860169.4	217	3152142	0 010	0 030	0	41.97	41 970	346.10436
PC_I	11	TKX	1	39	Mazda3 4-Door 4WD	2.5L Gasoline w/ Cylinder Deactivation	307	S6	205/60R16	107.3	61.7	62 2	62.0	46.2	11,086	196 9	196.854	2182833.4	232	2571952	0 010	0 030	0	41.97	41 970	264.141053
PC_I	12	TKX	-31	38	Mazda3 5-Door 2WD	2.5L Gasoline w/ Cylinder Deactivation	308	M6 SIL	205/60R16	107.3	61.7	62 2	62.0	46.2	1,051	196 9	196.854	206941.9	224	235424	0 010	0 030	0	41.97	41 970	25.0416964
PC_I	13	TKX	1	38	Mazda3 5-Door 2WD	2.5L Gasoline w/ Cylinder Deactivation	309	S6	205/60R16	107.3	61.7	62 2	62.0	46.2	5,255	196 9	196.854	1034709.5	221	1161355	0 010	0 030	0	41.97	41 970	125.208482
PC_I	14	TKX	1	40	Mazda3 5-Door 4WD	2.5L Gasoline w/ Cylinder Deactivation	310	S6	205/60R16	107.3	61.7	62 2	62.0	46.2	4,204	196 9	196.854	827767.6	239	1004756	0 010	0 030	0	41.97	41 970	100.166786
PC_I	15	TKX	1	15	Mazda6	2.5L Gasoline w/o Cylinder Deactivation	601	M6 SIL	P225/55R17	111.4	62.4	62 0	62.2	48.1	393	204 8	204.777	80486.4	239	93927	0 010	0 030	0	40.43	40.428	9.72050458
PC_I	16	TKX	1	15	Mazda6	2.5L Gasoline w/ Cylinder Deactivation	603	S6	P225/55R17	111.4	62.4	62 0	62.2	48.1	13,509	204 8	204.777	2766643.2	223	3012507	0 010	0 030	0	40.43	40.428	334.13307
PC_I	17	TKX	1	15	Mazda6	2.5L T/C Gasoline	604	S6	P225/55R17	111.4	62.4	62 0	62.2	48.1	8,204	204 8	204.777	1680179.2	250	2051000	0 025	0 035	7361	40.43	The second secon	202.918625
PC_I	18	TKX	1	15	Mazda6	2.2L Diesel	605	S6	P225/55R17	111.4	62.4	62.0	62.2	48.1	2,456	204 8	204.777	502988.8	249	611544	0 050	0 086	6388	40.43	40.428	60.7469701
PC_I	19	ТКХ	1	55	CX-5 2WD	2.5L Gasoline w/ Cylinder Deactivation	504	S6	P225/65R17	106.2	62 8	62.8	62.8	46.3	58,301	197 3	197.271	11502787.3	239	13933939	0 010	0 030	0	41.89	41 886	1391.76414
PC_I	20	TKX	- 1	55	CX-5 2WD	2.5L T/C Gasoline	508	S6	P225/55R19	106.2	62 8	62.8	62.8	46.3	810	197 3	197.271	159813	266	215460	0 025	0 035	727	41.89		19.3363571
PC I	21	TKX	1	55	CX-5 2WD	2.2L Diesel	506	S6	P225/55R19	106.2	62 8	62.8	62.8	46.3	5,668	197 3	197.271	1118296.4	248	1405664	0 050	0 086	14742	41.89	41 886	135.306756

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Category	Projected Model Year Total Production Units		Footprint base Fleet Av. FE St	andard (mpg)	8	Min. FE Std (mpg)
Domestic PC	0	0	(rounded)	0.0000	(unrounded)	39.4
Import PC	170,908	42.5	(rounded)	42.4522	(unrounded)	N/A

GHG	Cal	cu	a	tic)

Category	1	Projected Model Year Total Production Units	3 5	Footpr	20.	et Av. CO2 S s/mile)	tandard	-1	(47	v. CREE s/mile)	2	CREE Debit per § 86.1818-12(f)(4)	Tot	al CREE credit/debit (megagram)	Vehicle Lifetime Miles (VLM)
PC		170,908		195	(rounded)	194.5202	unrounded)	230	(rounded)	230.4635	unrounded)	29786		-1,197,812	195264

Categor	Туре	The second second	Division Code	Carline Code	Carline Name	Basic Engine Index	n Class Index	n Class	Model Type Footprint Description: Mfr comments	(inches	Width (inches rounded to 1 decimal	Width (inches rounded to	Width (inches rounded to	Footprint (square feet rounded to one decimal place)	Model Year Production			Footprint- base CO2	Model Type CREE	Model Type CREE	Std (gpm) per	Std (gpm) per §86.1818- 12(f)(1) or (f)(3)	Debits per	(mpg) target (round to 2 decimal		
LT	1	TKX	1	56	CX-5 4WD	2.5L Gasoline w/ Cylinder Deactivation	505	S6	P225/65R17	106.2	62 8	62 8	62.8	46.3	68,503	244.4	244.384	16742133.2	251	17194253	0 010	0 030	0	34.48	34.483	1986.74594
LT	2	TKX	1	56	CX-5 4WD	2.5L T/C Gasoline	509	S6	P225/55R19	106.2	62 8	62 8	62.8	46.3	18,138	244.4	244.384	4432927.2	279	5060502	0 025	0 035	18825	34.48	34.483	526.044084
LT	3	TKX	1	56	CX-5 4WD	2.2L Diesel	507	S6	P225/55R19	106.2	62 8	62 8	62.8	46.3	10,526	244.4	244.384	2572554.4	262	2757812	0 050	0 086	31668	34.48	34.483	305.278422
LT	4	TKX	1	9	CX-9 2WD	2.5L T/C Gasoline	901	S6	P225/60R18	115.3	65 3	65 2	65.2	52.2	9,176	272 0	271.996	2495872	276	2532576	0 025	0 035	9523	31.15		294.574639
LT	5	TKX	1	10	CX-9 4WD	2.5L T/C Gasoline	902	S6	P225/60R18	115.3	65 3	65 2	65.2	52.2	15,624	272 0	271.996	4249728	298	4655952	0 025	0 035	16215	31.15	31.147	501.573034

· A	FF	Cal	lou	la	tio

Category	Projected Model Year Total Production Units			Footprint base Fleet Av. FE	Sta	ndard (mpg)	Min. FE Std (mpg)
Truck	121,967	3	33.7	(rounded)		33.7465	(unrounded)	N/A

GHG	Ca	lcul	a	ti	
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Category		Projected Model Year Total	Footpr	int base Fle	et Av. CO2 St	tandard		Fleet A	v. CREE		CREE Debit per	Tota	al CREE credit/de	bit	Vehicle Lifetime Miles
Category		Production Units		(gram	s/mile)	-		(gram	s/mile)		§ 86.1818-12(f)(4)	11000	(megagram)		(VLM)
Truck		121,967	250	(rounded)	250.0120	unrounded)	264	(rounded)	264.0148	unrounded)	76231		-461,904		225865
and the same of th	_					100		Total Value							

Fuel Economy Methodology Used in Projecting CAFE Values

Derived Fuel Economy Values

As provided for by 49 CFR §537.9 (a) (3), Mazda has used data substitutions where no EPA-approved or Mazda test results exist at the appropriate sub-configuration level for minimum test requirements. These values were derived from a base configuration (ETW), axle ratio, road load horsepower, etc., and engineering judgment.

Addendum to the Report

The information contained in this report is, to the best of Mazda's knowledge, accurate and complete. This report is filed subject to the following provisions:

Based on currently available information, we believe that the projected average fuel economy set forth in this report sufficiently represents Mazda Motor Corporation's average fuel economy for the 2019 model year. If changes in consumer demand or other unforeseen events cause a significant shift in Mazda's production/sales mix, Mazda reserves the right to adjust its projections accordingly.

Passenger Car and Light Truck CAFE Credits/Debits Summary

Mazda CAFE Credit/Debit Summary

Passenger	

MY	CAFE Value	CAFE Std	Production Volume	MY Credit Credits Excess or (Shortfall)	Intended Action	MY Credit Balance Excess of (Shortfall)
2009	32.6	27.5	54,862	2,797,962		2,797,96
2010	33.8	27.5	212,495	13,387,185	-	13,387,18
2011	33.8	30.7	181,202	5,617,262		5,617,26
2012	37.9	33.9	213,308	8,532,320	1,210,000 credits were transfered to Ford.	7,322,33
2013	39.4	34.8	164,862	7,583,652	2,803,892 credits are used to offset 2018MY debits	4,779,76
2014	41.5	34.4	217,333	15,430,643	5,981,780 credits are used to offset 2019MY debits	9,448,8
2015	41.9	35.5	207,100	13,254,400	13,387,185 credits from 2010MY is expired by the end of 2015MY	13,254,4
2016	42.1	37.3	305,635	14,670,480	5,617,262 credits from 2011MY is expired by the end of 2016MY	14,670,4
2017	40.4	39.4	182,534	1,825,340	7,322,320 credits from 2012MY is expired by the end of 2017MY	1,825,34
2018 (2018MY Mid CAFE Report Projected Values)	37.9	40.5	107,842	-2,803,892	2018MY debits are offset by 2013MY credits and the remaining 2013MY credits (7,583,652-2,803,892) are expired by the end of 2018MY	
2019 (2019MY Pre CAFE Report Projected Values)	39.0	42.5	170,908	-5,981,780	2019MY debits are offset by 2014MY credits and the remaining 2014MY credits (15,430,643-5,981,780) are expired by the end of 2019MY	

Projected Total Credits at the end of 2019MY

Passenger Car (Domestic)

MY	CAFE Value	CAFE Std	Production Volume	MY Credit Credits Excess or (Shortfall)	Intended Action	MY Credit Balance Excess or (Shortfall)
2009	30.4	27.5	39,504	1,145,616	<u></u> 2	1,145,616
2010	n/a	n/a	0	0	 1	
2011	31.8	31.1	2,218	15,526	<u>=</u>	15,526
2012	n/a	n/a	0	0	<u></u>)	
2013	n/a	n/a	0	0		
2014	n/a	n/a	0	0	1,145,616 credits from 2009MY is expired by the end of 2014MY	C
2015	n/a	n/a	0	0		C
2016	n/a	n/a	0	0	15,526 credits from 2011MY is expired by the end of 2016MY	C
2017	n/a	n/a	0	0		(
2018 (2018MY Mid CAFE Report Projected Values)	41.8	41.2	103,894	623,364	127	623,364
2019 (2019MY Pre CAFE Report Projected Values)	n/a	n/a	0	0	FR)	

Projected Total Credits at the end of 2019MY

Truck

MY	CAFE Value		Production Volume	MY Credit Credits Excess or (Shortfall)	Intended Action	MY Credit Balance Excess or (Shortfall)
2009	26.6	23.1	54,508	1,907,780	<u> </u>	1,604,552
2010	26.7	23.5	98,444	3,150,208		3,150,208
2011	24.7	25.6	33,692	-303,228	2011MY debits are offset by 2009MY credits.	C
2012	27.8	27.2	65,696	394,176	394,176 credits were transferred to Jaguar Land Rover.	C
2013	30.4	28.1	61,093	1,405,139		1,405,139
2014	31.4	28.9	78,826	1,970,650	1 604 552 credite from 2000MV is	1,970,650
2015	31.6	30.0	78,793	1,260,688	3,150,208 credits from 2010MY is expired by the end of 2015MY	1,260,688
2016	34.2	31.4	153,192	4,289,376	<u>5-6</u>)	4,289,376
2017	33.7	32.3	74,414	1,041,796	223	1,041,796
2018 (2018MY Mid CAFE Report Projected Values)	33.8	32.8	112,906	1,129,060	1,405,139 credits from 2013MY is expired by the end of 2018MY	1,129,060
2019 (2019MY Pre CAFE Report Projected Values)	33.9	33.7	121,967	243,934	1,970,650 credits from 2014MY is expired by the end of 2019MY	243,934

Projected Total Credits at the end of 2019MY 7,964,854