

Air Conditioning Efficiency Credits Earned

Manufacturer: TOYOTA

Select Model Year: **2018**
 Select Report: **Pre-Model Year Report**
 Select Program: **Primary (non-TLAAS)**
 Select Fleet: **Cars**

AA. Total production volume generating A/C credits (and equipped with A/C)
[\[Σ H\]](#)
110,862

December, 2017

Instructions

Notes

*** [Redacted]

BB. Total A/C Efficiency Credits for the Model Year (megagrams)	CC. Total A/C Efficiency Credits for the Model Year (gal/mi)
[Σ W]	[Σ W]
81,397	0.000423105

OMB Control Number 2060-0644
Expires 10-31-2013

Model Type Information				Air Conditioning			Production	Air Conditioning System Menu-Based Components & Credits (gpm)										2014 Model Year and later Idle Test			Credits Generated		X. Comments
A. Carline Name	B. Drive	C. Engine	D. Trans	E. A/C System Identifier	F. Refrigerant	G. A/C Drive System	H. Production volume generating A/C credits (and equipped with A/C)	I. Reduc'd Reheat with variable displ compressor	J. Reduced Reheat with fixed displ or pneumatic compressor	K. Default to Recirc with feedback sensor	L. Default to Recirc without feedback sensor	M. Efficient Blower Motor Controls	N. Internal Heat Exchanger	O. Improved Condensor and/or Evaporator (requires EPA approval)	P. Oil Separator (requires EPA approval)	Q. Total Menu-based Credits [I+J+K+L+M+N+O+P]	R. Cap-Limited Credits [Q-capped at 5.0 max for car, 7.2 for Truck]	S. Increased CO2 on Idle Test	T. Electric-only A/C: Time engine remained off during A/C-on portion of Idle Test	U. Electric-only A/C: Time engine remained off during A/C-on portion of Idle Test	V. Credits adjusted for idle test [calc from R, S, T per 86.1866-12(c)(5)]	W. A/C Efficiency credits [calc from C3, H, (R or V) per 86.1866-12(c)(3)]	
								Car: 1.5 Truck: 2.2 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 1.5 Truck: 2.2 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 0.8 Truck: 1.1 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 0.5 Truck: 0.7 gpm	gpm	gpm	gr/min	NA, <120, >=120	Seconds	gpm	megagrams	
AVALON	FF	3.5	S6-3	13	R-134A	BELT-DRIVEN	11,338	1.5			1.0	0.8		1.0	0.5	4.8	4.8				4.8	10,627	
AVALON	FF	3.5	S6-3	13	R-134A	BELT-DRIVEN	11,338	1.5			1.0	0.8		1.0	0.5	4.8	4.8				4.8	10,627	
CAMRY XLE/XSE	FF	2.5	S8-3	59	R-1234YF	BELT-DRIVEN	64,169	1.5			1.0	0.8		1.0	0.5	4.8	4.8				4.8	60,143	
YARIS iA	FF	1.5	6EAT				23,104									0.0	0				0.0	0	
YARIS iA	FF	1.5	6MT				913									0.0	0				0.0	0	

Intermediate Calculations	
Cars or Trucks? [from cell D7]	Vehicle Lifetime Miles (VLM) [derived from adjacent column Z]
Cars	
Cars	195,264
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Model Type Information				Air Conditioning			Production	Air Conditioning System Menu-Based Components & Credits (gpm)										2014 Model Year and later Idle Test			Credits Generated		X. Comments
A. Carline Name	B. Drive	C. Engine	D. Trans	E. A/C System Identifier	F. Refrigerant	G. A/C Drive System		I. Reduc'd Reheat with variable displ compressor	J. Reduced Reheat with fixed displ or pneumatic compressor	K. Default to Recirc with feedback sensor	L. Default to Recirc without feedback sensor	M. Efficient Blower Motor Controls	N. Internal Heat Exchanger	O. Improved Condensor and/or Evaporator (requires EPA approval)	P. Oil Separator (requires EPA approval)	Q. Total Menu-based Credits [I+J+K+L+M+N+O+P]	R. Cap-Limited Credits [Q-capped at 5.0 max for car, 7.2 for Truck]	S. Increased CO2 on Idle Test	T. Electric-only A/C: Time engine remained off during A/C-on portion of Idle Test	U. Electric-only A/C: Time engine remained off during A/C-on portion of Idle Test	V. Credits adjusted for idle test [calc from R, S, T per 86.1866-12(c)(5)]	W. A/C Efficiency credits [calc from C3, H, (R or V) per 86.1866-12(c)(3)]	
							Car: 1.5 Truck: 2.2 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 1.5 Truck: 2.2 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 0.8 Truck: 1.1 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 1.0 Truck: 1.4 gpm	Car: 0.5 Truck: 0.7 gpm	gpm	gpm	gr/min	NA, <120, >=120	Seconds	gpm	megagrams		
RC 300 AWD	4WD	3.5	S6-3	54	R-134A	BELT-DRIVEN	707	1.5			1.0	0.8		1.0	0.5	4.8	4.8			4.8	663		
RC 350	FR	3.5	S8-3	52	R-134A	BELT-DRIVEN	1,343	1.5			1.0	0.8		1.0	0.5	4.8	4.8			4.8	1,259		
RC 350 AWD	4WD	3.5	S6-3	53	R-134A	BELT-DRIVEN	408	1.5			1.0	0.8		1.0	0.5	4.8	4.8			4.8	382		
RC F	FR	5	S8-3	6	R-134A	BELT-DRIVEN	84	1.5			1.0	0.8		1.0	0.5	4.8	4.8			4.8	79		
RX 350	FF	3.5	8AT	21	R-134A	BELT-DRIVEN	15,401	1.5			1.0	0.8	1.0	1.0	0.5	5.8	5			5.0	15,036		
RX 350 L	FF	3.5	8AT	122	R-134A	BELT-DRIVEN	12,996	1.5			1.0	0.8	1.0	1.0	0.5	5.8	5			5.0	12,688		
YARIS	FF	1.5	6EAT				2,529									0.0	0			0.0	0		
YARIS	FF	1.5	6MT				281									0.0	0			0.0	0		
YARIS	FF	1.5	L4-1	80	R-134A	BELT-DRIVEN	3,475	1.5					1.0	1.0		3.5	3.5			3.5	2,375		
YARIS	FF	1.5	M5	79	R-134A	BELT-DRIVEN	207	1.5					1.0	1.0		3.5	3.5			3.5	141		

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