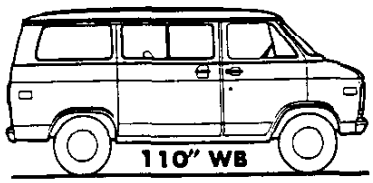
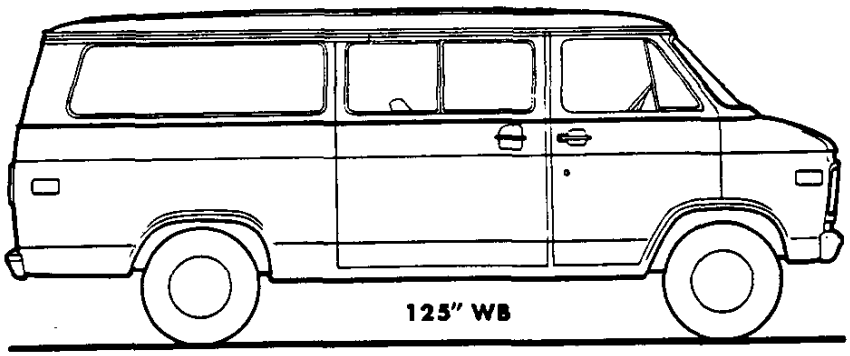
1972

SPORTVANS

SPORTVAN MODEL SELECTOR

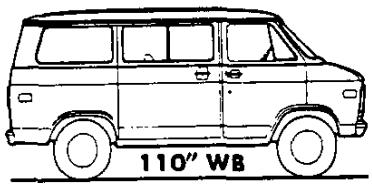
SPORTVANS

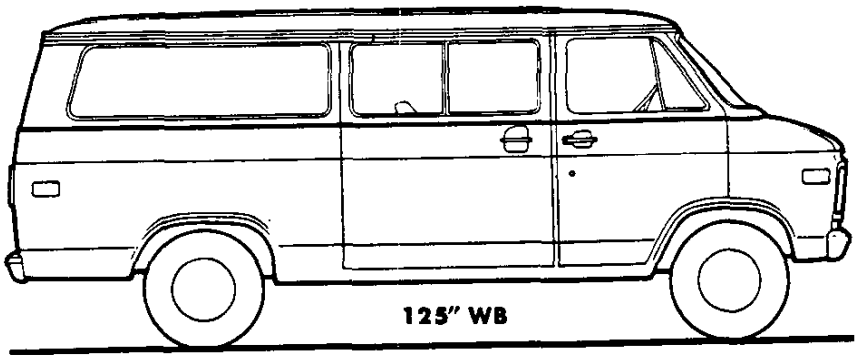




SERIES	ENGINE	110" WB	125" WB
G10	6 cyl.	GS11006	GS11306
	8 cyl.	GE11006	GE11306
G20	6 cyl.	GS21006	GS21306
	8 cyl.	GE21006	GE21306
G30	6 cyl.	—	GS31306
	8 cyl.	—	GE31306

BEAUVILLE SPORTVANS





SERIES	ENGINE	110" WB	125" WB
G10	8 cyl.	GE11036	GE11336
G20	8 cyl.	GE21036	GE21336
G30	8 cyl.	—	GE31336

SPORTVANS

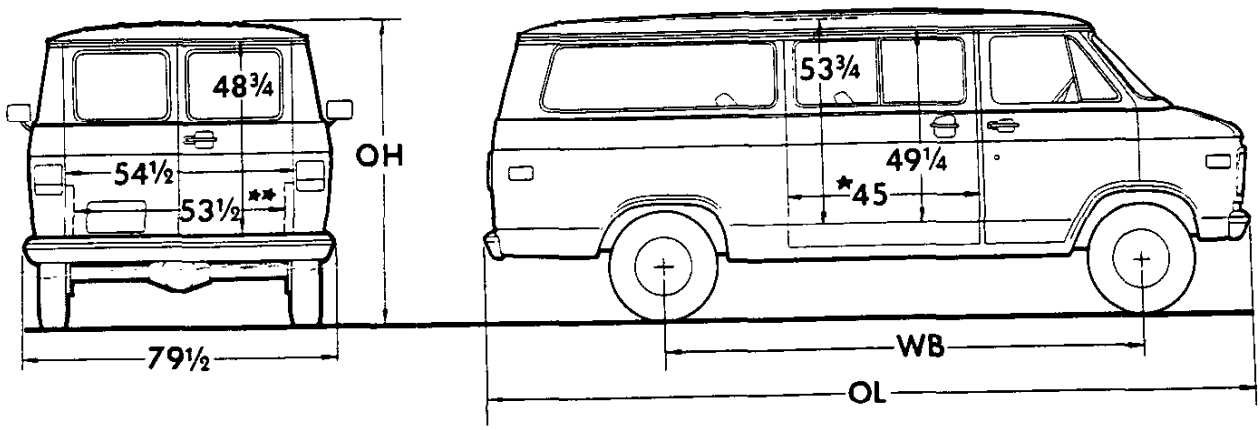
STANDARD SPECIFICATIONS

(See Blue Tab Section for Specification Details)

Series	G10	G20	G30
Engine			
Base Equip—6 cyl	250-6	250-6	250-6
—8 cyl	307-V8	350-V8	350-V8
Clutch—6 cyl	10″, 100 sq. in	10″, 100 sq. in.	11″, 124 sq. in.
—8 cyl	11″, 124 sq. in.	12″, 150 sq. in.	12″, 150 sq. in.
Air Cleaner	Oiled-paper element		
Oil Filter	Throw-away type; 1 qt.		
Exhaust System	Single; aluminized		
Exhaust Emission Control	*Controlled Combustion System		
➤**Suspension, Front**	Independent; Coil Spring		
Capacity	3000 lb.	3200 lb.	3500 lb.
Springs @ ground	1550 lb. ea.	1550 lb. ea.	1750 lb. ea.
Shock Absorbers	1″ dia.	1″ dia.	1″ dia.
Suspension, Rear	Hypoid; Leaf Springs		
Axle Capacity	3100 lb.	3500 lb.	5500 lb.
Axle Ratio—6 cyl	3.73	4.11	4.57
—8 cyl	3.07	3.07	4.57
Springs @ ground	1600 lb. ea.	1600 lb. ea.	2100 lb. ea.
Shock Absorbers	1″ dia.	1″ dia.	1″ dia.
Brakes	Hydraulic; Self-adjusting		
Front	Disc; 11″ rotor	Disc; 11.86″ rotor	Disc; 12.5″ rotor
Rear	Drum; 11″ x 2″	Drum; 11″ x 2″	Drum; 13″ x 2½″
Booster	Single Diaphragm	Single Diaphragm	Dual Diaphragm
Parking	Cable to Rear Wheels		
Electrical	12-Volt; negative ground		
Battery—6 cyl	45 amp.		
—8 cyl	61 amp.		
Delcotron Generator	37 amp.		
Frame	Integral body-frame		
Fuel Tank (Nominal Capacity)	22 gal.		
Steering	Recirculating ball		
Transmission	Fully synchronized 3-speed		
Shift Location	Steering Column		
➤**Tires—110″ WB**	(5) F78-14B (4PR)	(4) G78-15B (4PR)	(4) 8.00-16.5C (6PR)
—125″ WB	(5) G78-14B (4PR)	(4) G78-15B (4PR)	(4) 8.00-16.5C (6PR)
Wheels	(5) Disc 14″ x 6″	(5) Disc 15″ x 6″	(5) Disc 16.5″ x 6.75″

*California requires Air Injection Reactor system

SPORTVANS



★Side slide-in opening clearance 40¼"; max. box cargo height 44¼" with standard front passenger seat.
★★Rear slide-in opening clearance 52" with spare tire in position or 53½" with spare tire removed.

Models	Engine No. Cyl.	→Dimensions (in)★			Curb Weights (lb)			→Ground Clearance (In)★	
		WB	OL	OH	Front	Rear	Total	Front	Rear
G10 SERIES									
GS11006 **GE11006** **GE11036**	6 8 8	110	177	79	2033 2112 2203	1787 1850 1922	3820 3962 4125	9½	6½
GS11306 **GE11306** **GE11336**	6 8 8	125	201	79	2162 2242 2363	1818 1880 1971	3980 4122 4334	9½	7
G20 SERIES									
GS21006 **GE21006** **GE21036**	6 8 8	110	177	79	2089 2196 2288	1766 1845 1916	3855 4041 4204	9½	7
GS21306 **GE21306** **GE21336**	6 8 8	125	201	79	2187 2292 2414	1837 1918 2009	4024 4210 4423	9½	7
G30 SERIES									
GS31306 **GE31306** **GE31336**	6 8 8	125	201	80¼	2213 2310 2429	2076 2160 2261	4289 4470 4690	10½	7

★Dimensions with std equipment, unloaded.

→Indicates Change

NOTES

SPORTVANS

POWER TEAMS

ENGINES		TRANSMISSIONS	REAR AXLES		
Option Number and Model Application	Description	Type (Standard or Optional)	Type and Capacity	Ratios With Single Rear Wheels	
				Standard	Optional
G10 SERIES					
■Standard 6-Cylinder on GS10 models	250-cu-in Six	3-Speed Manual (Std)—ZW4	Chevrolet 3100★	3.73	3.40
		Turbo Hydra-matic—M49	Chevrolet 3100★	3.73	3.40
●Standard 8-Cylinder on GE10 models	307-cu-in V8	3-Speed Manual (Std)—ZW4	Chevrolet 3100★	3.07	3.40
■Option LS9 on GE10 models	350-cu-in V8	Turbo Hydra-matic—M49	Chevrolet 3100★	3.07	3.40
G20 SERIES					
■Standard 6-Cylinder on GS20 models	250-cu-in Six	3-Speed Manual (Std)—ZW4	Chevrolet 3500★	4.11	3.73
		Turbo Hydra-matic—M49	Chevrolet 3500★	3.73	4.11
■Standard 8-Cylinder on GE20 models	350-cu-in V8	3-Speed Manual (Std)—ZW4	Chevrolet 3500★	3.07	3.40
		Turbo Hydra-matic—M49	Chevrolet 3500★	3.07	3.40
G30 SERIES					
■Standard 6-Cylinder on GS30 models	250-cu-in Six	3-Speed Manual (Std)—ZW4	Chevrolet 5500♦	4.57	—
		Turbo Hydra-matic—M49	Chevrolet 5500♦	4.57	—
■Standard 8-Cylinder on GE30 models	350-cu-in V8	3-Speed Manual (Std)—ZW4	Chevrolet 5500♦	4.57	—
		Turbo Hydra-matic—M49	Chevrolet 5500♦	4.10	—

★ Positraction rear axle also available.

♦ *NoSpin rear axle also available.*

■ Available for registration in the State of California when California Assembly Line Emission Test (Option YF5) is applied.

● Not available for registration in the State of California.

ENGINE RATINGS

(Engine ratings shown below are S.A.E. net ratngs @ 85°F)

	250 Six	307 V8	350 V8
Net Horsepower	110 @ 3800 rpm	135 @ 4000 rpm	175 @ 4000 rpm
Net Torque, lb-ft	185 @ 1600 rpm	230 @ 2400 rpm	290 @ 2400 rpm

SPORTVANS

→GVW SELECTOR

Wheel-base (in)	GVW Rating (lb)	Minimum Equipment Required for Capacity Shown		
		Tires, Front	Tires, Rear	Chassis Equipment
G10 SERIES				
110	**5200**	F78-14B(4PR)	F78-14B(4PR)	Standard
	5400	G78-14B(4PR)	G78-14B(4PR)	
125	**5400**	G78-14B(4PR)	G78-14B(4PR)	
G20 SERIES				
110	**5700**	G78-15B(4PR)	G78-15B(4PR)	Standard
	6000	H78-15B(4PR)	H78-15B(4PR)	
125	**5800**	G78-15B(4PR)	G78-15B(4PR)	
	6200	H78-15B(4PR)	H78-15B(4PR)	
G30 SERIES				
125	**6600**	8.00-16.5C(6PR)	8.00-16.5C(6PR)	Standard
	7000	8.75-16.5C(6PR)	8.75-16.5C(6PR)	
	7300	8.75-16.5D(8PR)	8.75-16.5D(8PR)	

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1972 MODELS WITH STANDARD EQUIPMENT

Model Number and Description		Wheelbase	Factory D & H§	List Price	Mfr's Sgt'd Retail Price★	Destination Charge & Group Number	Total
■ 6-Cylinder High Torque 250 Engine							
G10 Series							
GS11006	Sportvan	110"	$12.60	$3272.00	$3284.60	27	
GS11306	Sportvan	125"	13.45	3395.00	3408.45	27	
G20 Series							
GS21006	Sportvan	110"	11.12	3324.00	3335.12	27	
GS21306	Sportvan	125"	11.12	3447.00	3458.12	27	
G30 Series							
GS31306	Sportvan	125"	13.16	3560.00	3573.16	27	
8-Cylinder High Torque 307 Engine							
◆ ***G10 Series***							
GE11006	Sportvan	110"	12.60	3392.00	3404.60	27	
GE11036	Beauville Sportvan	110"	12.60	3671.00	3683.60	27	
GE11306	Sportvan	125"	13.45	3515.00	3528.45	27	
GE11336	Beauville Sportvan	125"	13.45	3794.00	3807.45	27	
■ 8-Cylinder High Torque 350 Engine							
G20 Series							
GE21006	Sportvan	110"	11.12	3469.00	3480.12	27	
GE21036	Beauville Sportvan	110"	11.12	3748.00	3759.12	27	
GE21306	Sportvan	125"	11.12	3592.00	3603.12	27	
GE21336	Beauville Sportvan	125"	11.12	3871.00	3882.12	27	
G30 Series							
GE31306	Sportvan	125"	13.16	3705.00	3718.16	27	
GE31336	Beauville Sportvan	125"	13.16	3984.00	3997.16	27	

★Manufacturer's Retail Prices do not include state and local taxes, license fees, options or accessories.

■*Available for registration* in the State of California when California Assembly Line Emission Test (Option YF5) is applied.

◆Available for registration in the State of California when optional 350 engine is ordered and California Assembly Line Emission Test is applied.

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Added Weight (F)	Added Weight (R)	Factory D & H§	List Price	Mfr's Suggested Retail Delivered Price◇
POWER TEAMS AND AXLES						
(See Power Teams Chart for availability and complete specifications)						
Engine: *350 V8.* GE10 models only. GE11006-36 models available only when G78-14 tires are ordered. Available for registration in the State of California	LS9	26	6	—	$ 43.00	$ 43.00
Transmission: *Turbo Hydra-matic*	M49	(a)		—	236.00	236.00
Axles, Rear:						
3.40 Ratio. G10 models only	H26	0	0	—	12.00	12.00
3.40 Ratio. GE20 models only	H28	0	0	—	12.00	12.00
3.73 Ratio. GS20 models with standard transmission only	HB7	0	0	—	12.00	12.00
4.11 Ratio. GS20 models with Turbo Hydra-matic transmission only	H09	0	1	—	12.00	12.00
Positraction. G10-20 models only	G80	0	2	—	38.00	38.00
NoSPIN. G30 models only	G86	0	4	—	128.00	128.00

§ D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.

◇ State and local taxes not included.

(a) With 250 engine (F) 31 (R) 6; With 307 engine (F) 19 (R) 4; G10 models with 350 engine (F) 12 (R) 2; G20-30 models with 350 engine (F) 7 (R) 1.

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OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Added Weight (F)	Added Weight (R)	Factory D & H§	List Price	Mfr's Suggested Retail Delivered Price◇
OTHER OPTIONS						
Air Cleaner: *Poly-Wrap*	K43	0	0	—	$ 10.00	$ 10.00
Air Conditioning: GE11006-36 models with G78-14 tires, GE21306-36 models with H78-15 tires, GE21006-36 or GE30 models only. Includes 4-position fan switch						
Front. Floor-mounted. Includes temperature sensing valve and 42-amp generator. Recommended for front seat area cooling only	C62	107	6	—	507.00	507.00
Front and Rear. Front floor-mounted and rear overhead systems. Includes 61-amp generator. Front unit includes temperature sensing valve. Rear unit also includes additional 4-position fan switch and roof insulation	C63	103	50	—	815.00	815.00
Battery, Heavy-Duty: 12-volt, 15-plate, 80-amp-hr	T60	(a)		—	16.00	16.00
Bumpers: *Chromed.* Front and rear. Standard on Beauville models	V37	0	0	—	31.00	31.00
California Assembly Line Emission Test: Released to conform with State of California registration requirements. Not available when 307 engine is specified on GE10 models	YF5	0	0	—	15.00	15.00
Caps, Hub: *Chromed.* Standard on Beauville models. Included when custom appearance is ordered	P03	0	0	—	6.00	6.00
Cooling: HD radiator only. Included when air conditioning is ordered. Also included when automatic transmission on G20-30 models is ordered	V01	(b)		—	23.50	23.50
Custom Appearance: Standard on Beauville models. Includes bright metal grille, headlight and taillight accents; chromed hub caps; body sill moldings and custom emblems.	Z61	1	1	—	83.00	83.00
Custom Comfort: Standard on Beauville models. Includes two coat hooks; hardboard front door and side panels; full length headliner with bright roof bows; roof and rear quarter panel moldings; bright control knob and dome light trim; cigar lighter; color-keyed floor mats and spare tire cover						
GS-GE11006-21006 models only	Z62	26	80	—	195.00	195.00
GS-GE11306-21306 models only	Z62	36	107	—	256.00	256.00
GS-GE31306 models only						
Without 12-passenger seats. Also includes color-keyed rear floor area mats with insulators, rear wheelhousing mats and rear door scuff plate	Z62	36	107	—	256.00	256.00
With 12-passenger seats. Also includes rear wheelhousing mats	Z62	23	69	—	236.00	236.00

§ D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.
◇ State and local taxes not included.
(a) GE10 models and 6 cylinder models (F) 14 (R) -2; GE20-30 models (F) 3 (R) -1
(b) With 250 or 307 engine (F) 3 (R) -1; With 350 engine (F) 6 (R) -1

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OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Added Weight (F)	Added Weight (R)	Factory D & H§	List Price	Mfr's Suggested Retail Delivered Price◈
Gauges: *Ammeter, temperature and oil pressure*	Z53	1	0	—	$ 12.00	$ 12.00
Generators:						
42-amp Delcotron. Included when front floor mounted air conditioning is ordered	K79	1	0	—	23.00	23.00
61-amp Delcotron. Included when front and rear air conditioning is ordered.						
Without front floor mounted air conditioning	K76	1	0	—	31.00	31.00
With front floor mounted air conditioning	K76	N.A.	N.A.	—	N.C.	N.C.
Glass:						
Soft-Ray. Windshield only	AA2	0	0	—	13.00	13.00
Swing-Out Rear Door	A18	0	1	—	24.00	24.00
Key Unit: Separate keys for side and rear cargo doors	AU2	0	0	—	4.00	4.00
Lighter, Cigar: Standard on Beauville models. Included when custom comfort is ordered	U37	0	0	—	5.00	5.00
Mirrors, Exterior: Below-Eye-Line type. LH and RH 7.5" x 10.5"						
Painted	D29	3	0	—	18.50	18.50
Stainless Steel	DG4	4	0	—	29.75	29.75
Moldings, Body Side Lower: Standard on Beauville models. Included when custom appearance is ordered	B98	1	2	—	51.00	51.00
Paints, Exterior: See Color and Trim Chart						
Solid	...	0	0	—	N.C.	N.C.
Two-Tone. With white secondary color between roof and belt line	...	0	0	—	35.25	35.25
Radio: AM Pushbutton control	U63	9	0	—	67.00	67.00
Seats, Rear: Includes RH and LH armrests, ash trays and (3) seat belts.						
One Additional Rear Seat. For 8-passenger seating. G20-30 models only. G20 models available only when H78-15 tires are ordered	AQ3	(a)		—	57.00	57.00
Two Additional Rear Seats. For 12-passenger seating. G30 models only. Available only when 8.75-16.5/D or 8.75-16.5/E tires are ordered. Also includes (4) additional rear seat belts, relocation of spare wheel behind seat on floor, rear area mat and rear door scuff plate	ZN6	(b)		—	159.00	159.00
Shock Absorbers, Heavy-Duty: Front and rear	F51	3	4	—	15.00	15.00
➔**Springs, Heavy-Duty:** *Rear.* G20-30 models only						
Capacity 2100-lb each. G20 models only	G50	0	24	—	10.75	10.75
Capacity 2750-lb each. G30 models only. Requires use of front stabilizer when 8.75-16.5/E tires are ordered	G50	0	24	—	10.75	10.75
Stabilizer, Front: GE11006-36 models available only when G78-14/B tires are ordered. GE21336 models available only when H78-15 tires are ordered	F59	22	0	—	18.00	18.00
Steering, Power: GE21336 model available only when H78-15 tires are ordered	N40	36	-5	—	136.00	136.00
Steering Wheel: *Comfortilt.* Available only when Turbo Hydra-matic transmission is ordered	N33	3	0	—	56.00	56.00
Tires: See following page.						
Trim, Custom Blue Cloth: Beauville models only. Includes cloth inserts on seat and backrest. See Interior and Exterior Color Chart for ordering information.						
With standard rear seat	...	N.A.	N.A.	—	21.00	21.00
With 8-passenger rear seating	...	N.A.	N.A.	—	26.00	26.00
With 12-passenger rear seating	...	N.A.	N.A.	—	31.00	31.00

§ D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.

◈ State and local taxes not included.

(a) Sportvan models (F) 21 (R) 82; Beauville models (F) 22 (R) 88.

(b) Sportvan models (F) 11 (R) 286; Beauville models (F) 14 (R) 247.

➔Indicates Change

SPORTVANS

Tire Size and Type	Option Number	Added Weight (F)	Added Weight (R)	Factory D & H§	List Price	Mfr's Suggested Retail Delivered Price◈
G10 SERIES						
TUBELESS TIRES (Factory Installed)						
F78-14/B—GS-GE11006 or GE11036 models only						
(Pass. type) —**Highway** **Bias Belted Ply** (5) Front, rear and spare	Std	N.A.	N.A.	N.C.	N.C.	N.C.
(5) Front, rear and spare (White Stripe)	PX6	N.A.	N.A.	N.C.	$ 29.70	$ 29.70
—**On-Off Road** **Bias Belted Ply** (2) Rear	RF1	N.A.	N.A.	N.C.	7.20	7.20
(3) Rear and spare	RF1	N.A.	N.A.	N.C.	10.80	10.80
➔**G78-14/B**						
(Pass. type) —**Highway** **Bias Belted Ply** (5) *Front, rear and spare*						
GS-GE11006 or GE11036 models only	PK1	0	0	.85	16.90	17.75
GS-GE11306 or GE11336 models only	Std	0	0	N.C.	N.C.	N.C.
(5) Front, rear and spare (White Stripe)						
GS-GE11006 or GE11036 models only	PK2	0	0	.85	48.70	49.55
GS-GE11306 or GE11336 models only	PK2	0	0	N.C.	31.80	31.80
G20 SERIES						
TUBELESS TIRES (Factory Installed)						
G78-15/B						
(Pass. type) —**Highway** **Bias Belted Ply** (4) Front and rear	Std	0	0	N.C.	N.C.	N.C.
(1) Spare	PU7	-6	33	2.78	35.90	38.68
(4) Front and rear (White Stripe)	PU8	0	0	N.C.	25.60	25.60
(1) Spare (White Stripe)	PU8	-6	33	2.78	42.40	45.18
—**On-Off Road** **Bias Belted Ply** (2) Rear	RL3	0	4	N.C.	7.20	7.20
(1) Spare	RL3	-6	35	2.78	39.00	41.78
H78-15/B						
(Pass. type) —**Highway** **Bias Belted Ply** (4) Front and rear	PV5	5	5	.92	18.40	19.32
(2) Front	PV5	5	0	.46	9.20	9.66
(1) Spare	PV5	-7	37	3.01	40.00	43.01
(4) Front and rear (White Stripe)	PV6	5	5	.92	46.40	47.32
(1) Spare (White Stripe)	PV6	-7	37	3.01	46.90	49.91
—**On-Off Road** **Bias Belted Ply** (2) Rear	RM1	0	8	.46	16.40	16.86
(1) Spare	RM1	-7	38	3.01	43.10	46.11
G30 SERIES						
WIDE BASE TUBELESS TIRES (Factory Installed)						
8.00-16.5/C (6PR) Maximum Tire Capacity (Each)—Front (1730) Rear (1730)						
(Truck type) —**Highway** **Nylon** (4) Front and rear	Std	0	0	N.C.	N.C.	N.C.
(1) Spare	R70	-7	41	3.29	43.10	46.39
—**On-Off Road** **Nylon** (2) Rear	RQ2	0	5	.32	21.60	21.92
(1) Spare	RQ2	-8	45	3.45	53.20	56.65
8.75-16.5/C (6PR) Maximum Tire Capacity (Each)—Front (1990) Rear (1990)						
(Truck type) —**Highway** **Nylon** (4) Front and rear	RP5	4	4	1.84	34.80	36.64
(2) Front	RP5	4	0	.92	17.40	18.32
(1) Spare	RP5	-8	44	3.75	51.30	55.05
—**On-Off Road** **Nylon** (2) Rear	RP2	0	5	1.24	39.00	40.24
(1) Spare	RP2	-8	45	3.91	61.50	65.41
8.75-16.5/D (8PR) Maximum Tire Capacity (Each)—Front (2350) Rear (2350)						
(Truck type) —**Highway** **Nylon** (4) Front and rear	RP6	12	12	2.88	74.00	76.88
(2) Front	RP6	12	0	1.44	37.00	38.44
(1) Spare	RP6	-9	49	4.01	59.50	63.51
—**On-Off Road** **Nylon** (2) Rear	RQ4	0	10	1.84	58.40	60.24
(1) Spare	RQ4	-9	48	4.21	69.70	73.91
8.75-16.5/E (10PR) Maximum Tire Capacity (Each)—Front (2680) Rear (2680)						
AVAILABLE ON GE30 MODELS ONLY.						
(Truck type) —**Highway** **Nylon** (4) Front and rear	RQ8	15	15	3.80	120.80	124.60
(2) Front	RQ8	15	0	1.90	60.40	62.30
(1) Spare	RQ8	-9	51	4.24	69.70	73.94
—**On-Off Road** **Nylon** (2) Rear	RQ9	0	20	2.50	82.00	84.50
(1) Spare	RQ9	-10	54	4.54	80.00	84.54

§ D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.

◈ State and local taxes not included.

➔Indicates Change

SPORTVANS

SPORTVAN—STANDARD MODEL

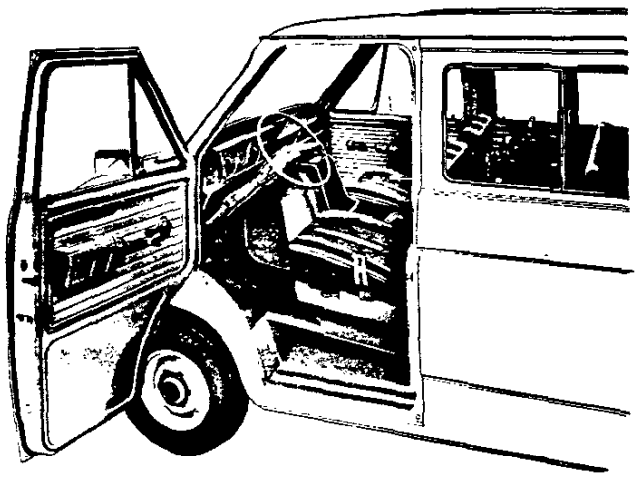
The standard model includes the following items as standard equipment.

EXTERIOR FEATURES

- **Bright Appearance Items:**
  "Chevrolet" emblem: Mounted center of grille with bright outer edge and blue paint fill.
  "Chevrolet" Nameplate: Mounted on LH rear door.
  Door entry handles.
  Door lock cylinder assemblies
  Flip-out side window frames.
  "Sportvan and Series" Nameplate: Mounted front side.
  RH and LH mirror.
- **Bumpers:** Front and rear; painted white.
- **Color:** See exterior and interior color selection chart.
- **Doors:** RH and LH front side doors; RH sliding side load door; RH and LH rear load doors.
- **Door Opening and Locking Methods:**
  Front side doors; pushbutton latch release with separate key lock.
  Sliding side load door; turning handle in a counter-clockwise direction releases both front and rear latches; to close door, reverse procedure; key lock cylinder.
  RH and LH rear doors; pushbutton releases latch on RH door and after opening RH door, LH door latch is released by lower inside lift handle; key lock cylinder in RH door.
- **Glass:**
  Windshield.
  RH and LH front side door drop glass and ventipanes.
  Double flip-out glass in sliding side door and same on opposite side.
  Stationary glass in each rear quarter window and in each rear door.
- **Grille:** Painted; outer area white and inner area black.
- **Hub Caps:** Painted white.

- **Lights:**
  Backup lights: two rear.
  Combination parking/direction/hazard; two front.
  Combination tail/stop/direction/hazard; two rear.
  Headlights: two; Power Beam.
  License Plate: Single rear.
  Side Marker Lights and Reflectors: Two front and two rear.
- **Mirror:** RH and LH chrome fixed arm with 4½" x 6" head.
- **Horns:** Dual; low- and high-note electric.
- **Tools:** Mechanical jack, wheel wrench.
- **Undercoating:** Partial on underbody; full on front and rear wheelhousings.
- **Windshield Wipers and Washers:** Electric; 2-speed wipers with matte finish on wiper arms and blades.

INTERIOR FEATURES



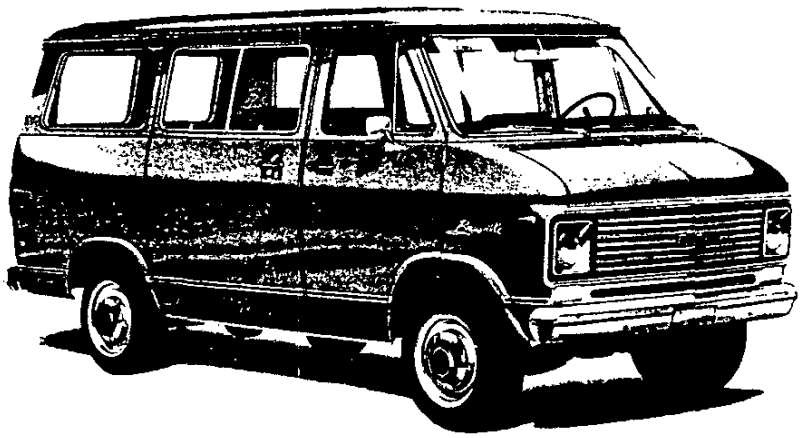
- **Air Vents:** RH and LH; individually controlled.
- **Arm Rests:** RH and LH side door; padded.
- **Ash Tray:** Mounted top of engine housing.
- **Coat Hook:** LH side.
- **Colors:**
  Paint: same as main exterior color choice.
  Trim: color choice of blue, green, parchment or dark saddle.
- **Door Locks:** Inside pushbutton lock/release (except rear doors).
- **Door Seals:** Closed-cell-type rubber.
- **Floor Mats:** Embossed black rubber, front floor area and front wheelhousings.
- **Glove Box:** Located top of engine cover; without door.
- **Headliner:** White perforated hardboard; driver area.
- **Heater and Defroster:** Deluxe-air.
- **Instruments**
  Gauges: Speedometer, odometer, and fuel.
  Switches: Exterior lights, instrument lights and dome lights; wiper-washer; headlight beam (foot); ignition; direction signal with lane change position and hazard warning.
  Warning Lights: Generator, oil pressure, engine temperature, brake warning, direction signals and high beam.
- **Instrument Cluster Bright Trim:** Outer edge and bezels.
- **Interior Lights:** Instruments, front dome and rear dome operated by main switch.
- **Insulation and Sound Deadening Material:** Dash (firewall), front floor panel and wheelhousings, under middle floor mats and inside engine cover.
- **Mirror, Rear View:** 10" vinyl-edged prismatic.
- **Safety Step Pads:** Front door sills and sliding side door sill.
- **Seats:** Front bucket driver and passenger, rear full width 3-passenger; all vinyl trim; foam padded.
- **Seat Belts:** Pushbutton release, driver, front passenger and all seat positions.
- **Steering Wheel:** Painted, oval 17" x 17½", 2-spoke.
- **Sunshades:** RH and LH padded.
- **Spare Tire Carrier:** RH rear side.
- **Trim Panels:** Painted metal with decorative embossment; front side doors.

SPORTVANS

BEAUVILLE SPORTVAN MODEL FEATURES—STANDARD

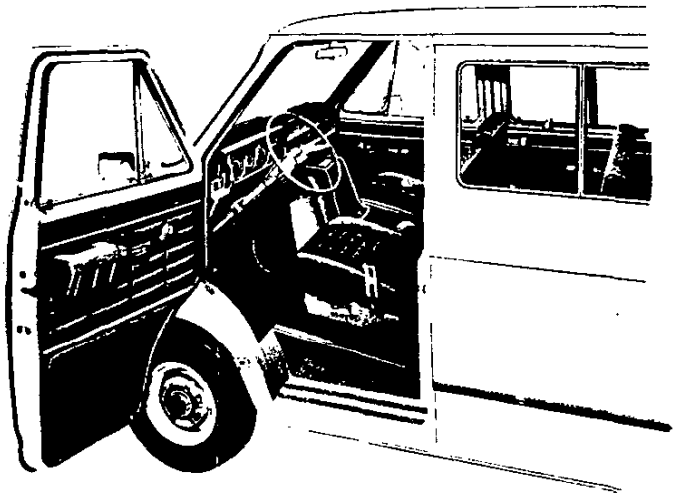
(The Beauville Sportvan models include all items listed for the standard model plus the following additions or substitutions)

EXTERIOR FEATURES



- **Bright Appearance Items:**
  - "Beauville Sportvan and Series" Nameplate; mounted front side.
  - Body side and rear lower moldings with black paint trim.
  - Chrome front and rear bumpers.
  - Chrome Hub Caps.
  - Chrome Grille.
  - Headlight Bezels.
  - Inserts for side quarter window and rear door window weatherstrips.
  - Reveal Moldings around windshield.
  - Tail light bezels.
  - Trim for side marker lights and reflector.
  - Ventipane frames in front side doors.
- **Special Side marker lights and reflectors:** RH and LH front and rear.

INTERIOR FEATURES



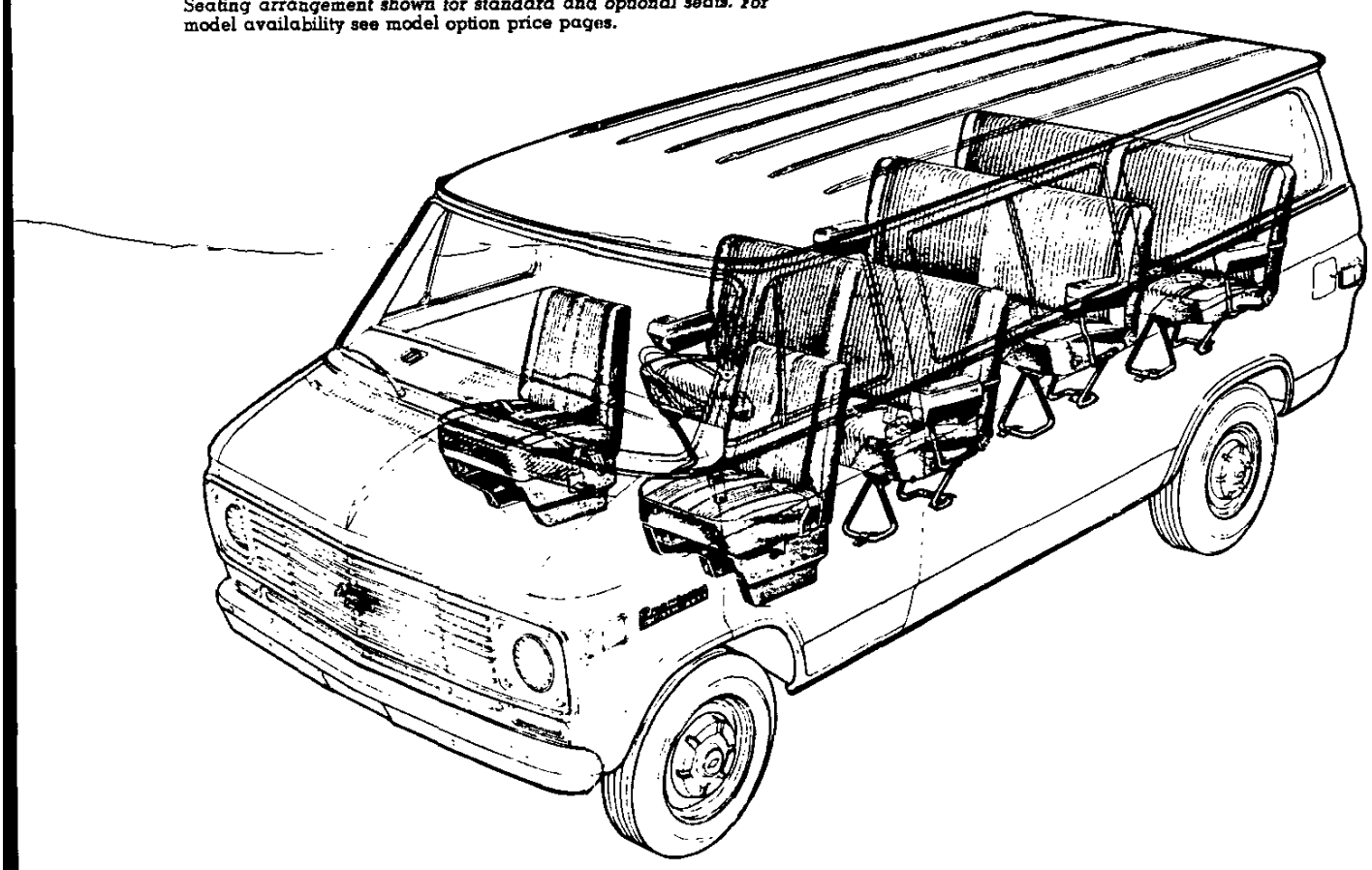
- **Bright Metal Appearance Items.**
  - "Beauville Sportvan" Nameplate: Mounted RH side of instrument panel.
  - Control Knob inserts.
  - Dome lamp bezels.
  - Roof bow garnish moldings.
  - Trim panel moldings.
- **Carpeting:** Color-keyed over entire floor area including front and rear wheel housings.
- **Cigarette Lighter.**
- **Coat Hooks:** LH and RH side.
- **Headliner:** Color-keyed perforated hard board; entire length of roof.
- **Instrument Panel Trim Plates:** Bright metal with woodgrain inserts.
- **Insulation:** Under rear carpeting, on entire roof, on engine cover extension and on underside of upper instrument panel.
- **Seats:** Special all-vinyl trim.
- **Spare Tire Cover:** Black vinyl.
- **Trim Panels:** Vinyl covered with bright trim and woodgrain inserts; all doors and sidewalls.

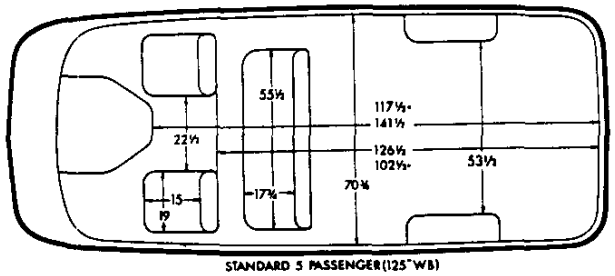
SPORTVANS

SEATING ARRANGEMENT

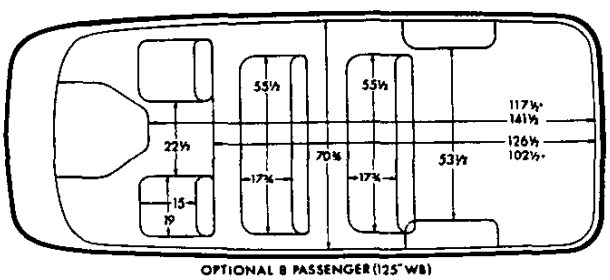
SPORTVAN

Seating arrangement shown for standard and optional seats. For model availability see model option price pages.

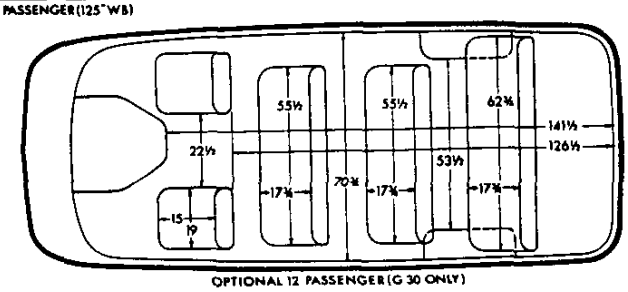




STANDARD 5 PASSENGER (125" WB)



OPTIONAL 8 PASSENGER (125" WB)



OPTIONAL 12 PASSENGER (G 30 ONLY)

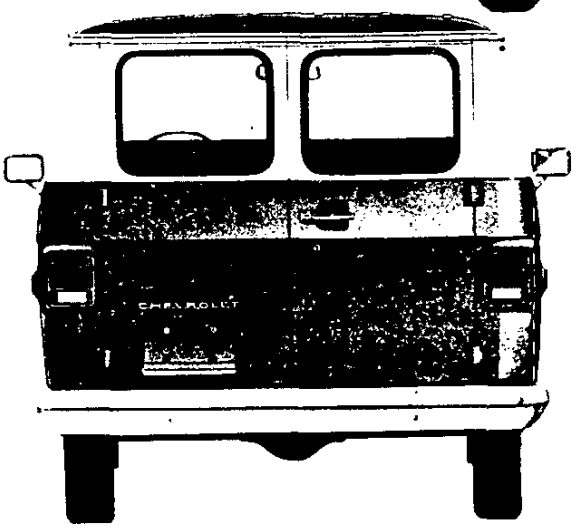
*110" WB MODELS

SPORTVANS

TWO-TONE COMBINATIONS*

All orders for these models must show one of the following interior trim codes on the order form

*Optional at extra cost.



SPORTVANS

White paint treatment is used all around the side and rear windows between roof and belt line. Wheel color remains white.

IMPORTANT

Dealer Note: Exterior and interior combinations shown in chart below are those *recommended* by Chevrolet; however, any exterior color may be ordered with any available interior color if the particular combination is desired by a customer.

MAIN BODY COLOR	OPTION NUMBER		INTERIOR TRIM COLOR AND ORDERING CODE				
	Solid	Conventional Two-Tone*	Blue Vinyl	Custom Blue Cloth ♦	Green Vinyl	Parch-ment Vinyl	Saddle Vinyl
Black, Midnight	500	530	640	644	612	660	649
Blue, Hawaiian	510	542	640	644		660	
Blue, Mariner	523	572	640	644		660	
Bronze, Classic	522	551				660	649
Gold, Spanish	511	536				660	649
Green, Glenwood	505	535			612	660	
Green, Meadow	518	548			612	660	
Green, Spruce	506	564				660	
Green, Willow	504	534				660	649
Orange, Firebolt	524	553				660	
Orange, Tangier	516	546				660	
Red, Crimson	514	544				660	649
White, Frost	521	N/A	640	644	612	660	649
Yellow, Grapefruit	525	545				660	649
Yellow, Wheatland	519	549				660	

♦ Beauville Sportvan models only. Optional at extra cost.

* Secondary two-tone body color is white and is applied to body area between roof and belt line. Two-tone not available with white exterior color.

➔ENGINES

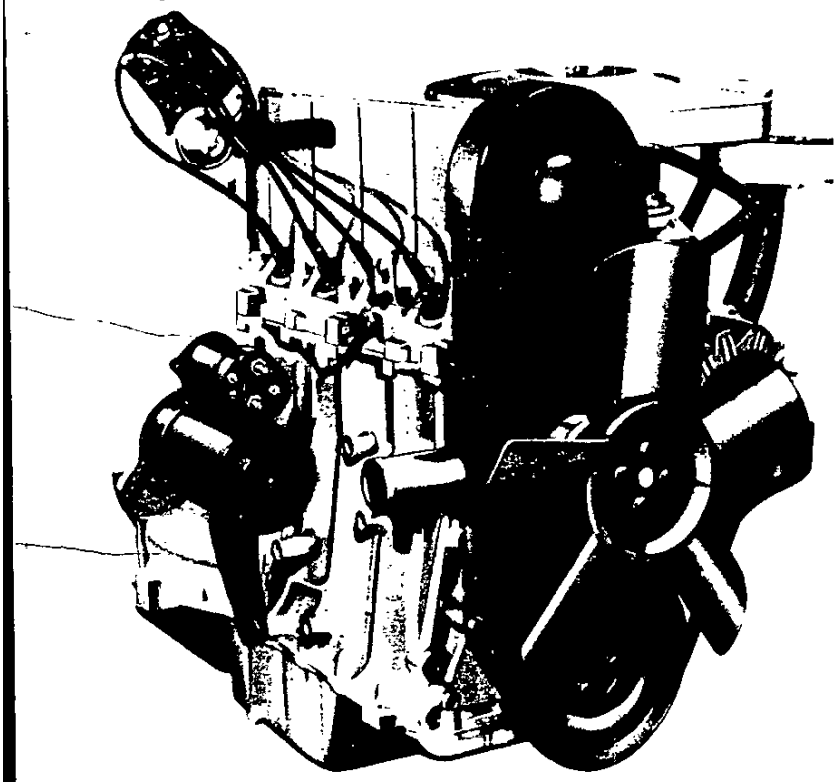
COOLING SYSTEMS

CLUTCHES

FUEL TANKS

EMISSION CONTROLS

140 FOUR



140 Four

Applications

Standard: Vega Panel Express
Optional: None

Basic Specifications

Engine type	Overhead-Cam Aluminum
Piston displacement	140 cu in
Bore & stroke (nominal)	3½" x 3⅝"
Compression ratio	8.0 to 1
Carburetor type	1-barrel

Test Procedures

These curves represent full throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

With C.C.S.

SAE net horsepower (85°F)	80 @	4400 rpm
SAE net torque, lb-ft (85°F)	121 @	2400 rpm

Applications

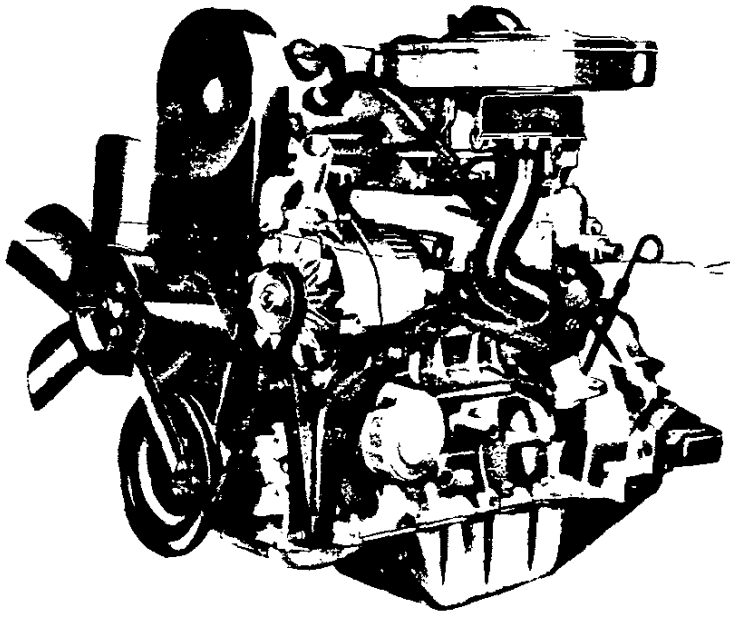
Standard: None
Optional: Vega Panel Express

Basic Specifications

Engine type.....Overhead-Cam Aluminum
Piston displacement.....140 cu in
Bore & stroke (nominal).....3½" x 3⅝"
Compression ratio.....8.0 to 1
Carburetor type.....2-barrel

Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

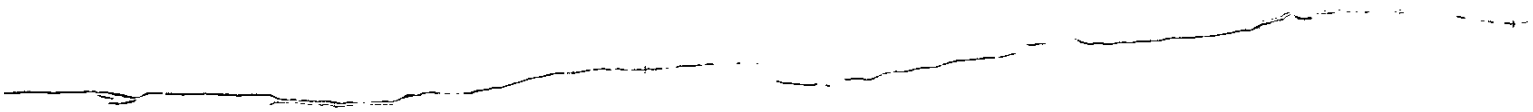


140 Four

OPTIONAL 140 FOUR

With A.I.R.

SAE net horsepower (85°F).....90 @ 4800 rpm
SAE net torque, lb-ft (85°F)....121 @ 28-3200 rpm



140. FOUR

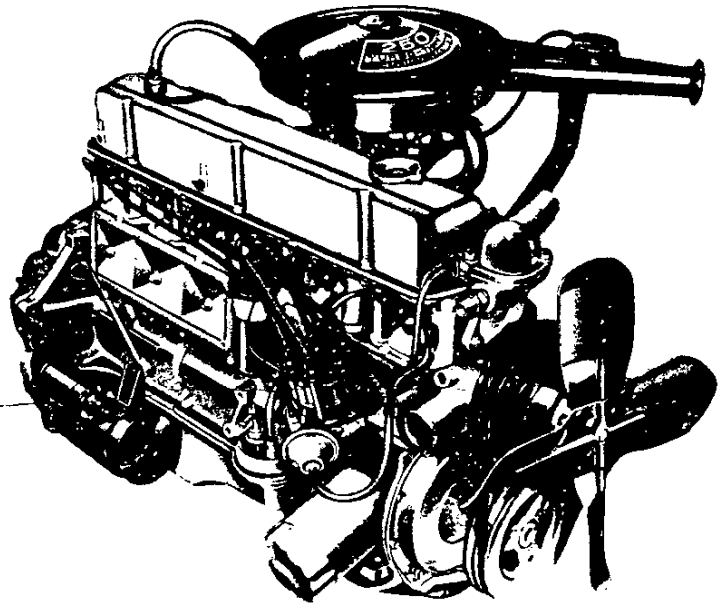
SPECIFICATIONS

	Standard 140	Optional 140
Basic Description	Four-cylinder in-line; overhead cam aluminum block	
Displacement (cu in)	140	
Bore & Stroke (in)	3½ x 3⅝	
Compression Ratio	8.0:1	
Firing Order	1 3 4 2	
SAE Net Horsepower @ rpm	80 @ 4400	90 @ 4800
SAE Net Torque (lb-ft) @ rpm	121 @ 24-2800	121 @ 28-3200
Air Cleaner	See model pages for type	
Bearings, Camshaft	Steel-backed babbitt or copper lead alloy	
Inlet Valve Opens	22° BTC	28° BTC
Inlet Valve Closes	58° ABC	70° ABC
Exhaust Valve Opens	92° BTC	91° BTC
Exhaust Valve Closes	48° ABC	55° ABC
Inlet Duration Ramp	260°	278°
Exhaust Duration Ramp	320°	326°
Carburetor		
Type	1-Barrel downdraft	2-Barrel downdraft
Make	Rochester	
Venturi ID (in)	1.22	1.09
Throttle Bore (in)	1.438	1.438
Choke Control	Automatic	
Connecting Rods		
Material	Forged steel	
Length (in)	5.695-5.705	
Bearings	Steel-backed inserts with copper lead alloy lining	
Crankcase Ventilation	Closed positive	
Crankshaft		
Material	Nodular iron	
Number of Counterweights	4	
Main Journals (in)	2.3004	
Crankpin Journals (in)	1.999-2.000	
Torsional Damper	Rubber mounted inserts	
Bearings	Steel-backed inserts with copper lead alloy lining	
Distributor	Delco-Remy; centrifugal & vacuum advance	
Fuel Filters		
Carburetor	Paper type	Sintered bronze
Fuel Tank	Plastic mesh screen	
Lubrication System	Full pressure	
Main Bearings	Direct pressure	
Camshaft Bearings	Direct pressure	
Connecting Rods	Direct pressure	
Valves & Tappets	Pressure & gravity	
Cylinder Walls	Splash	
Piston Pins	Splash	

SPECIFICATIONS

	140	140
Oil Capacity (qts)		
With filter change	4 quarts	
W/o filter change	3½ quarts	
Oil Filter		
Standard	Full flow; throwaway type	
Capacity (pt)	1	
Oil Pump		
Type	Eccentric inside-outside, crankshaft driven	
Capacity (gpm)	4.5 @ 2000 rpm	
Normal Pressure (psi)	40 @ 1000	
Pistons		
Type	Autothermic	
Material	Cast aluminum alloy	
Skirt	Iron plated open slipper	
Head	Flat	
Piston Pins		
Type	Rod shrink fit to pin	
Material	Chromium-steel	
Piston Rings		
Compression Rings		
Number	2	
Type	Upper-barrel face; lower-barrel face, inside bevel	
Material	Upper—Cast alloy iron, chrome plated; lower—Cast alloy iron, chrome flash	
Oil Control Rings		
Number	1	
Type	Multi-piece	
Material	Rails—steel, chrome plated; Expander—stainless steel	
Thermostat	Harrison or Dole; 195°	
Valve Train		
Type	Overhead cam direct acting	
Tappets	Mechanical—adjustable	
Valve Lash	.015	
Intake Valves		
Material	Alloy steel	
Head Diameter (in)	1.615—1.625	
Face Coating	Stellite	
Seats	Machined in cylinder head	
Exhaust Valves		
Material	Hardened weld-on tips and chrome-flashed stems	
Head Diameter (in)	1.370—1.380	
Face Coating	Stellite	
Seats	Machined in cylinder head; induction hardened	
Rotators	None	
Water Pump		
Type	Centrifugal, die cast aluminum housing	
Capacity (gpm)	16 @ 2000 rpm	

TURBO-THRIFT 250 SIX



Applications

Standard: El Camino (13380)
Optional: None

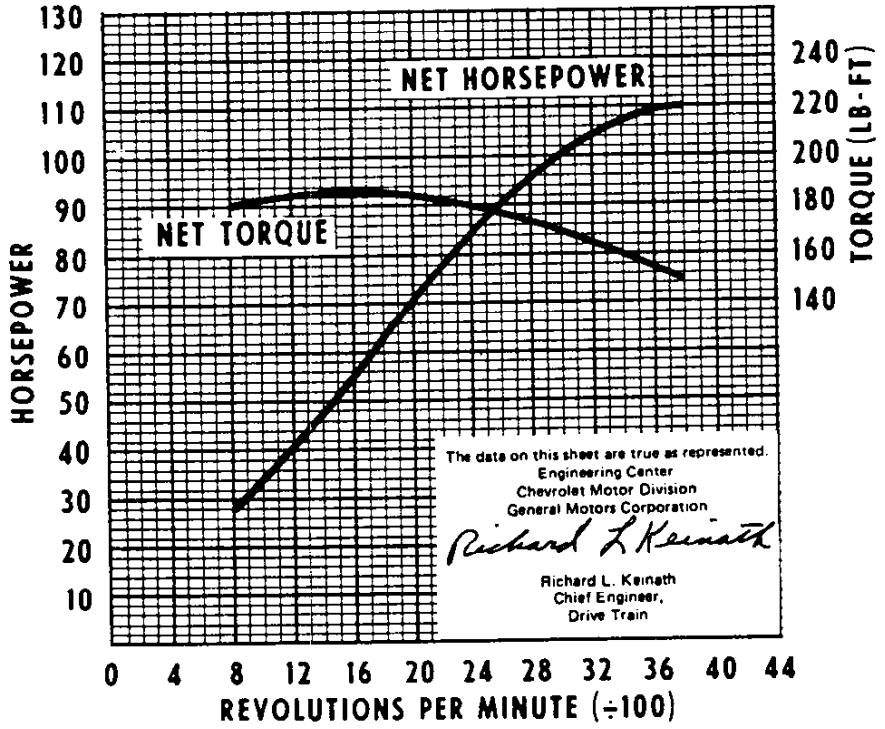
Basic Specifications

Engine type	Valve-in-head
Piston displacement	250 cu in
Bore & stroke (nominal)	3.875" x 3.53"
Compression ratio	8.5 to 1
Carburetor type	1-barrel

Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F).....110 @ 3800 rpm
SAE net torque, lb-ft (85°F).....185 @ 1600 rpm



Applications

Standard: CS10-40; KS10-20; GS10-30; PS10-30
Optional: *None*

Basic Specifications

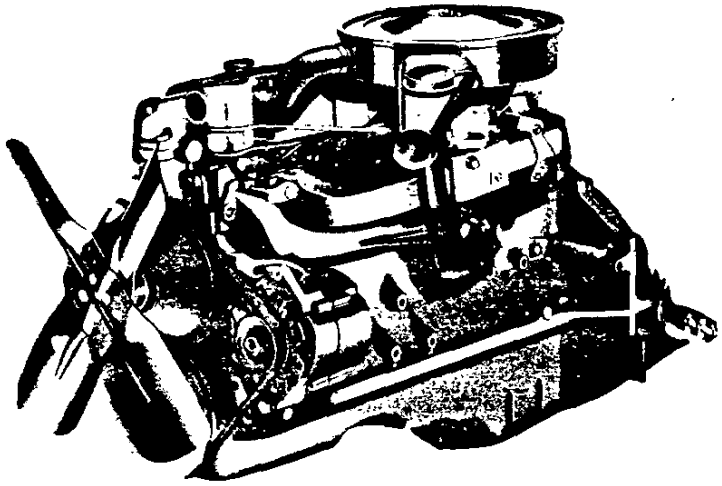
Engine type.....Valve-in-head
Piston displacement.....250 cu in
Bore & stroke (nominal).....3.875" x 3.53"
Compression ratio.....8.5 to 1
Carburetor type.....1-barrel

Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data with gross ratings corrected to barometric pressure of 29.92" mercury and 60°F dry air. Net ratings are corrected to both 29.92" mercury and 60°F dry air and 29.00" mercury and 85°F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

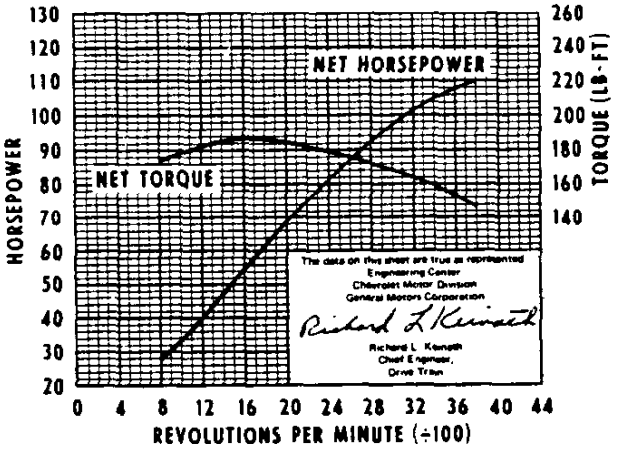
Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.



250 Six (CS10)

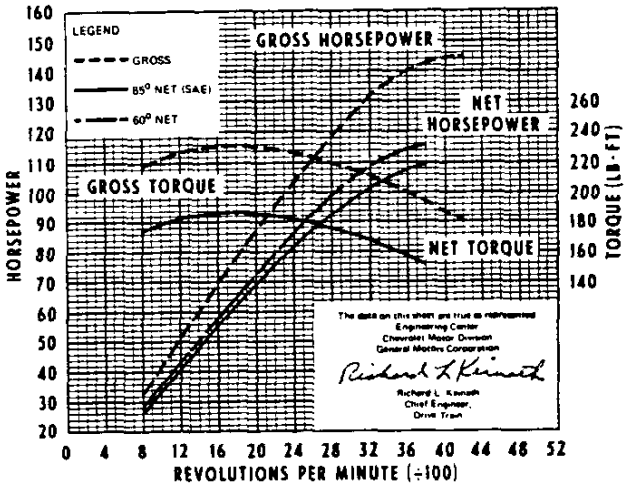
Series 10-30

SAE net horsepower (85°F).....110 @ 3800 rpm
SAE net torque, lb-ft (85°F).....185 @ 1600 rpm

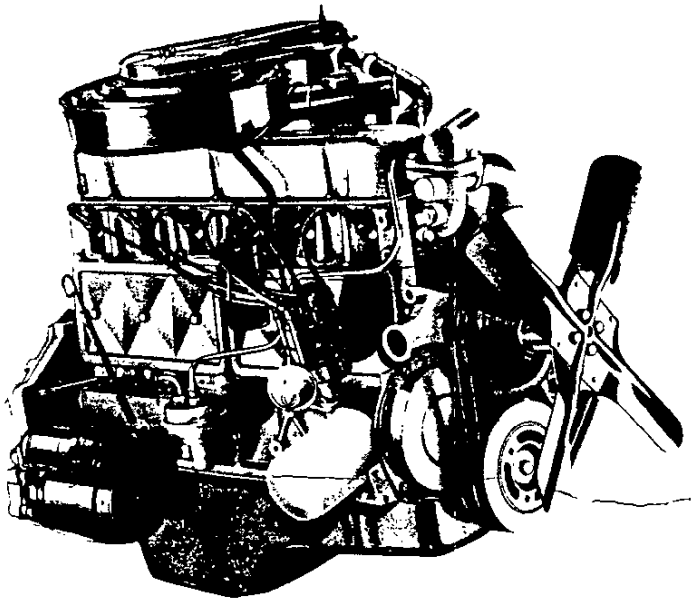


Series 40

Gross horsepower (60°F)...145 @ 4200 rpm
Net horsepower (60°F).....116 @ 3800 rpm
SAE net horsepower (85°F).110 @ 3800 rpm
Gross torque, lb-ft (60°F)...230 @ 1600 rpm
Net torque, lb-ft (60°F).....195 @ 1600 rpm
SAE net horsepower (85°F).185 @ 1600 rpm



HIGH TORQUE 292 SIX



292 Six

Applications

Standard: None
Optional: CS20-40; KS20; PS20-30

Basic Specifications

Engine type.....Valve-in-head
Piston displacement.....292 cu in
Bore & stroke (nominal).....3.87" x 4.12"
Compression ratio.....8.0 to 1
Carburetor type.....1-barrel

Test Procedures

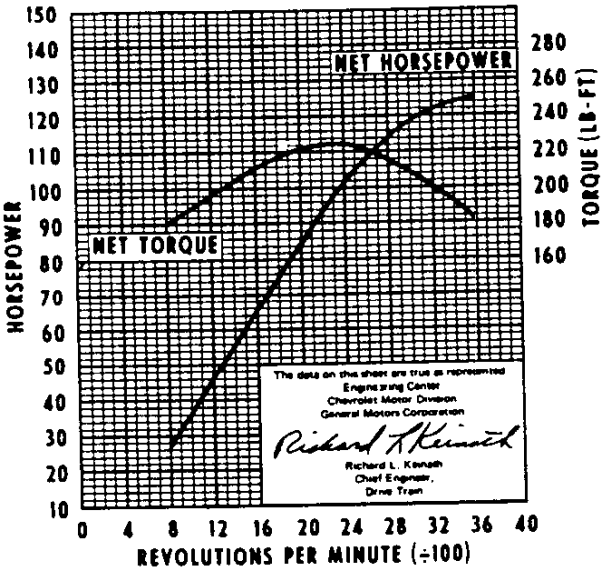
These curves represent full throttle performance as obtained from dynamometer test data with gross ratings corrected to barometric pressure of 29.92" mercury and 60°F dry air. Net ratings are corrected to both 29.92" mercury and 60°F dry air and 29.00" mercury and 85°F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.

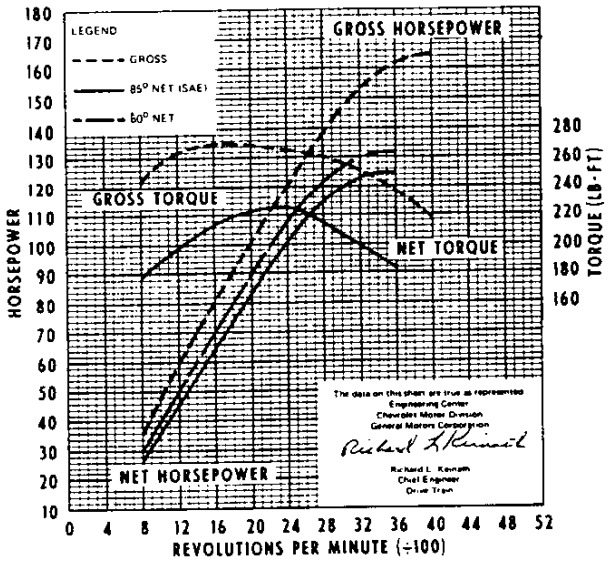
Series 10-30

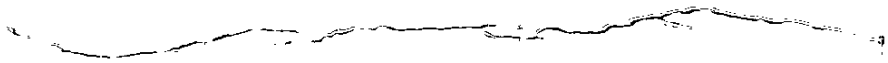
SAE net horsepower (85°F) . . . 125 @ 3600 rpm
SAE net torque, lb-ft (85°F).....225 @ 2400 rpm



Series 40

Gross horsepower (60°F)...165 @ 4000 rpm
Net horsepower (60°F).....132 @ 3600 rpm
SAE net horsepower (85°F).125 @ 3600 rpm
Gross torque, lb-ft (60°F)...270 @ 1600 rpm
Net torque, lb-ft (60°F).....238 @ 2400 rpm
SAE net torque, lb-ft (85°F).225 @ 2400 rpm





Applications

Standard: CS50; SS50
Optional: None

Basic Specifications

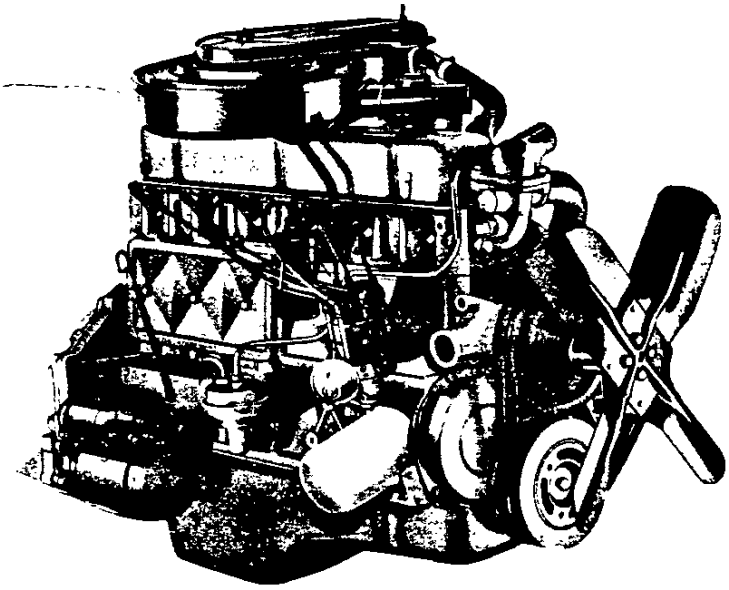
Engine type.....Valve-in-head
Piston displacement.....292 cu in
Bore & stroke (nominal).....3.87" x 4.12"
Compression ratio.....8.0 to 1
Carburetor type.....1-barrel

Test Procedures

These curves represent full throttle performance as obtained from dynamometer test data with gross ratings corrected to barometric pressure of 29.92" mercury and 60°F dry air. Net ratings are corrected to both 29.92" mercury and 60°F dry air and 29.00" mercury and 85°F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

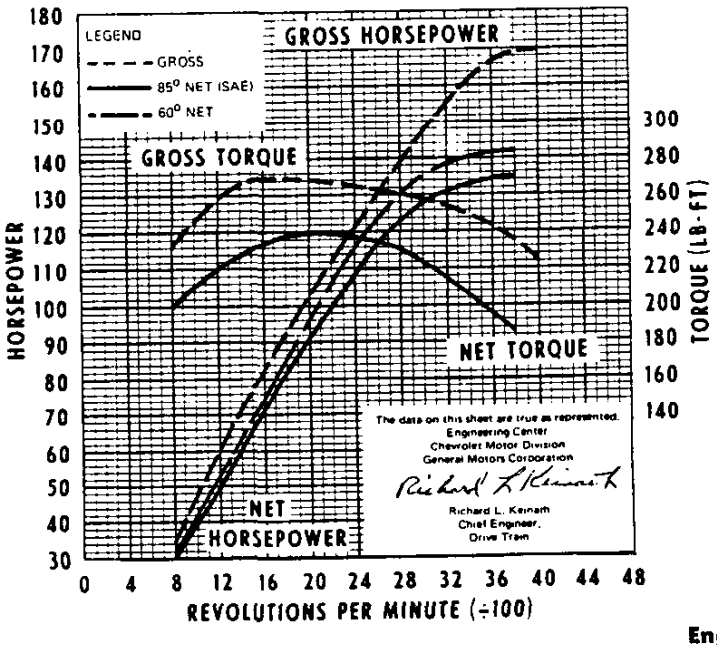
Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.



292 Six (CS50)

With C.C.S.

Gross horsepower (60°F)...170 @ 4000 rpm
Net horsepower (60°F).....142 @ 3800 rpm
SAE net horsepower (85°F).135 @ 3800 rpm
Gross torque, lb-ft (60°F)...270 @ 1600 rpm
Net torque, lb-ft (60°F).....253 @ 2000 rpm
SAE net torque, lb-ft (85°F).240 @ 2000 rpm



250 & 292 SIX ENGINES

SPECIFICATIONS

	Turbo-Thrift	High Torque	
	250	250	292# 292■
Basic Description	Six-cylinder in-line; valve-in-head		
Displacement (cu in)	250		292
Bore & Stroke (in)	3.875 x 3.53		3.87 x 4.12
Compression Ratio	8.5:1		8.0:1
Firing Order	153624		
SAE Net Horsepower @ rpm	110 @ 3800	110 @ 3800	125 @ 3600 135 @ 3800
SAE Net Torque (lb-ft) @ rpm	185 @ 1600	185 @ 1600	225 @ 2400 240 @ 2000
Air Cleaner	*See model pages for type*		
Camshaft	Cast alloy iron		
Valve Timing (in crankshaft degrees)			
Inlet Valve (excluding ramps) Opens	16° BTC		33° BTC
Inlet Valve (excluding ramps) Closes	48° ABC		81° ABC
Exhaust Valve (excluding ramps) Opens	46° 30' BBC		76° BBC
Exhaust Valve (excluding ramps) Closes	17° 30' ATC		38° ATC
Inlet Duration w/o Ramp	244°		294°
Exhaust Duration w/o Ramp	244°		294°
Bearings	*Steel-backed babbitt or copper lead alloy*		Aluminum
Carburetor			
Type	1-Barrel downdraft		
Make	Rochester		
Venturi ID (in)	1.3125		1.625
Throttle Bore (in)	1.6875		1.750
Choke Control	Automatic*		
Connecting Rods			
Material	Forged steel		
Length (in)	5.70		6.76
Bearings	Steel-backed babbitt or copper lead alloy		Premium aluminum
Crankcase Ventilation	Closed positive		
Crankshaft			
Material	Nodular iron		
Number of Counterweights	12		
Main Journals (in)	Nos. 1-6—2.2983-2.2993		No. 7—2.2978-2.2988
Crankpin Journals (in)	1.999—2.000		2.099—2.100
Torsional Damper	Inertia, hysteresis		
Bearings	Sintered-copper nickel-backed babbitt on steel or copper lead alloy		Premium aluminum
Distributor	Delco-Remy; centrifugal & vacuum advance		
Fuel Filters			
Carburetor	Replaceable, pleated fiber element		
Fuel Tank	Plastic mesh screen		
Governor			
Availability	—	† Optional	
Make	—	*† King-Seely*	
Type	—	† Velocity	
Setting Low Range	—	1800—3000	2200—3100
Setting High Range	—	2800—4000	2800—3900
Lubrication System	Full pressure		
Main Bearings	Direct pressure		
Camshaft Bearings	Direct pressure		
Timing Gear	Sprayed by nozzle		
Connecting Rods	Direct pressure		
Valve Mechanism	*Pressure & gravity*		
Cylinder Walls	Cross sprayed by pressurized jets		
Piston Pins	Cross sprayed by pressurized jets		

*Manual on CS40-50, SS50, TS50. #Series 10-40 ■Series 50 †Series 40-50

SPECIFICATIONS

	Turbo-Thrift	High Torque		
	250	250	292#	292■
Oil Capacity (qts)				
With filter change	4.5	5	6	
W/o filter change	4		5	
Oil Filter				
Standard	Full flow; throwaway type			
Capacity	1 pint	1 quart		
Optional	—			Replaceable element●
Capacity (qts)	—			2
Oil Pump				
Type	Spur gear, distributor shaft driven			
Capacity (gpm)	4.3 @ 2000 rpm	4.5 to 6 @ 2000 rpm		
Normal Pressure (psi)	40 to 60 @ 2000 rpm			
Pistons				
Type	Autothermic			
Material	Cast aluminum alloy			
Skirt	Closed slipper			*Full*
Head	Sump with chamfer top edge		Sump	
Piston Pins				
Type	Rod shrink fit to pin			
Material	Chromium-steel			
Piston Rings				
Compression Rings				
Number	2			
Type	Inside bevel			
Material	Cast alloy iron			
Oil Control Rings				
Number	1			
Type	Multi-piece			
Material	Steel			
Thermostat	Harrison or Dole; 195°			
Valve Train				
Type	Individually mounted rocker arms, push rod actuated			
Lifters	Hydraulic			
Rocker Arm Ratio	1.75:1			
Valve Guides	Integral with cylinder head			
Valve Lash	Zero			
Intake Valves				
Material	Alloy steel			
Head Diameter (in)	1.72			
Face Coating	None			Aluminized
Seats	Machined in cylinder head			
Exhaust Valves				
Material	High alloy steel			
Head Diameter (in)	1.50			
Face Coating	None			Cobalt based alloy
Seats	Machined in cylinder head; induction hardened			
Rotators	None			Yes
Water Pump				
Type	Centrifugal			
Capacity (gpm)	24 @ 2000 rpm	60 @ 4000 rpm		70 @ 4400 rpm

●Series 50 only #Series 10-30 ■Series 40-50

HIGH TORQUE 305 V6

Applications

Standard: CM50; TM50; SM50
Optional: None

Basic Specifications

Engine type	Valve-in-head
Piston displacement	304.7 cu in
Bore & stroke (nominal)	4.25" x 3.58"
Compression ratio	7.75:1
Carburetor type	2-barrel

Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F. dry air.

SAE net horsepower	NA
SAE net torque, lb-ft	NA

Applications

Standard: CM60; TM60
Optional: CM50; TM50; SM50

Basic Specifications

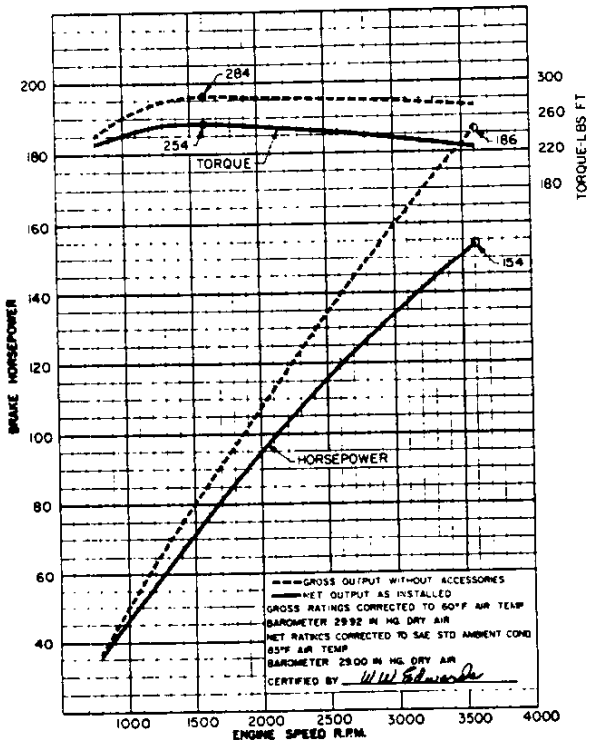
Engine type	Valve-in-head
Piston displacement	351.2 cu in
Bore & stroke (nominal)	4.56″ x 3.58″
Compression ratio	7.0:1
Carburetor type	2-barrel

Test Procedures

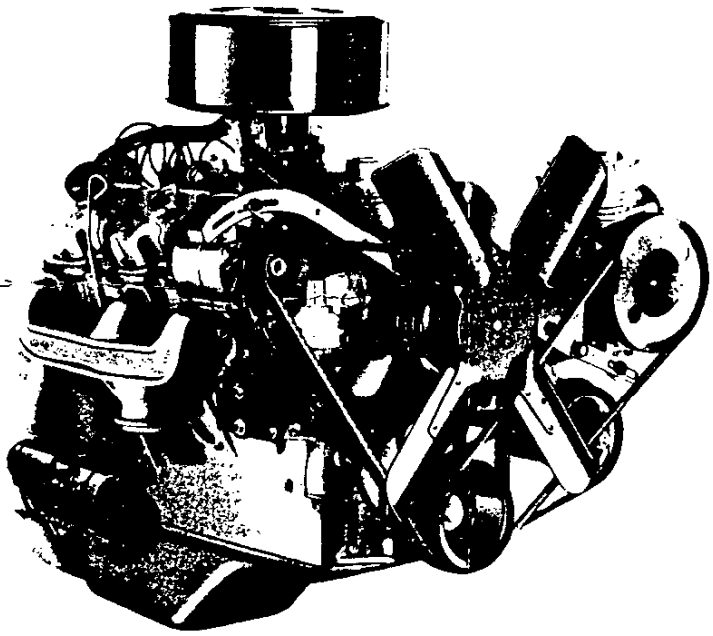
These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00″ mercury and 85°F. dry air.

Typical Engine Shown

Gross horsepower (60°F.)	186 @ 3600 rpm
SAE net horsepower (85° F.)	154 @ 3600 rpm
Gross torque, lb-ft (60°F.)	284 @ 1600 rpm
SAE net torque, lb-ft (85°F.)	254 @ 1600 rpm



HIGH TORQUE 401 V6



Applications

Standard: HM/JM/RM/TM/WM80
Optional: None

Basic Specifications

Engine type	Valve-in-head
Piston displacement	401 cu in
Bore & stroke (nominal)	4.87" x 3.58"
Compression ratio	7.5:1
Carburetor type	2-barrel

Test Procedures

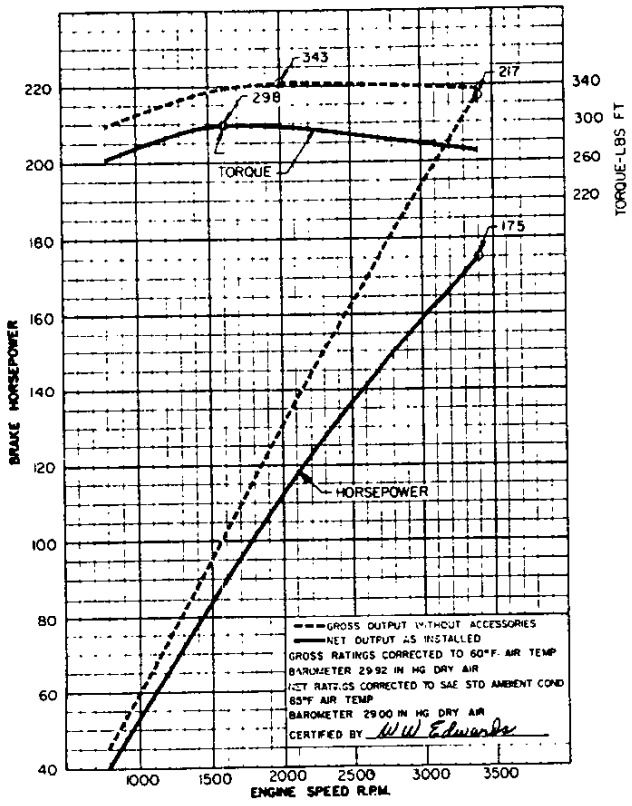
These curves represent full-throttle performance as obtained from dynamometer test data with gross ratings corrected to barometric pressure of 29.92" mercury and 60°F dry air, and SAE net ratings corrected to 29.00" mercury and 85°F dry air.

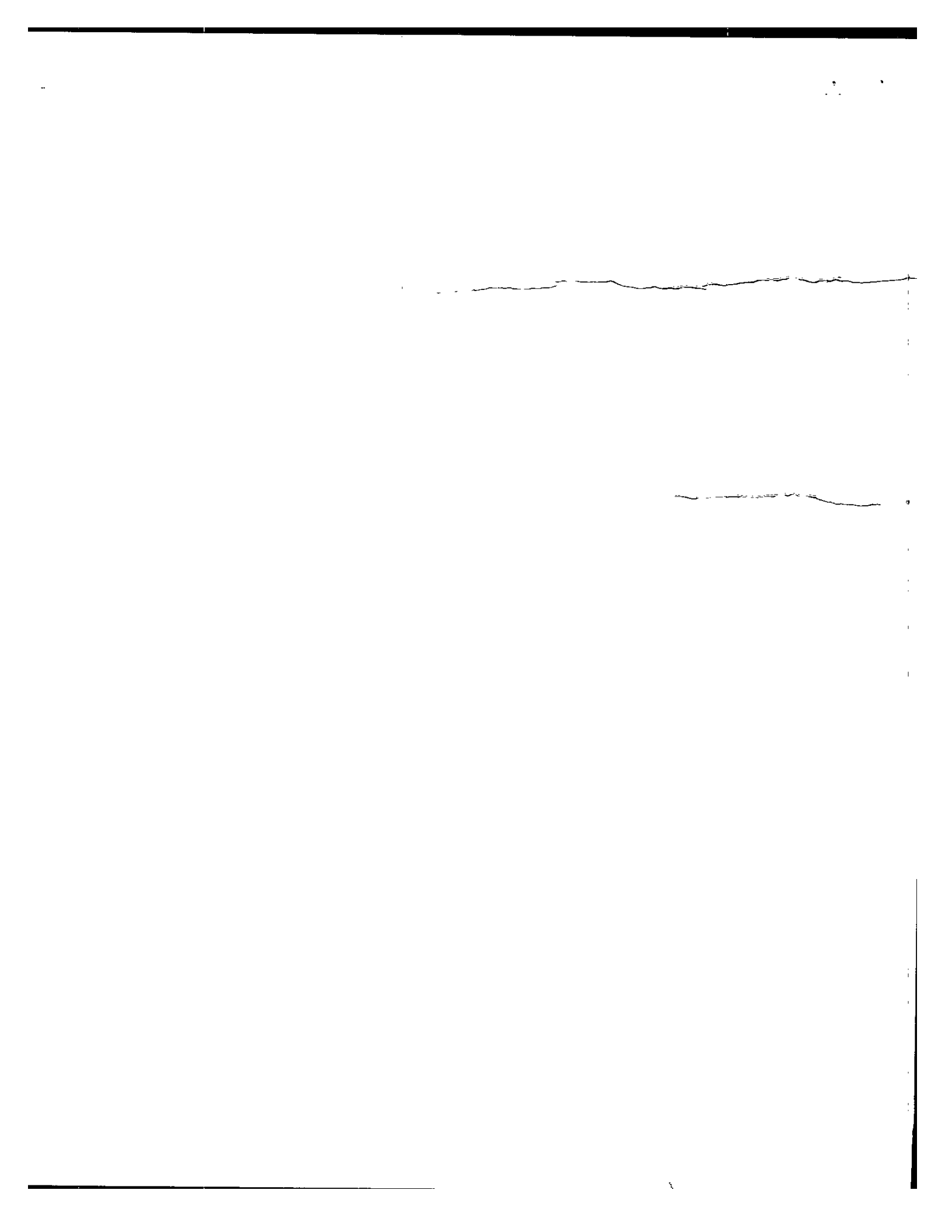
Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.

401 V6 (HM80)

Gross horsepower (60°F)...217 @ 3400 rpm
SAE net horsepower (85°F).175 @ 3400 rpm
Gross torque, lb-ft (60°F)...343 @ 2000 rpm
SAE net torque, lb-ft (85°F).298 @ 1600 rpm





Applications

Standard: None
Optional: HM/JM/RM/TM80

Basic Specifications

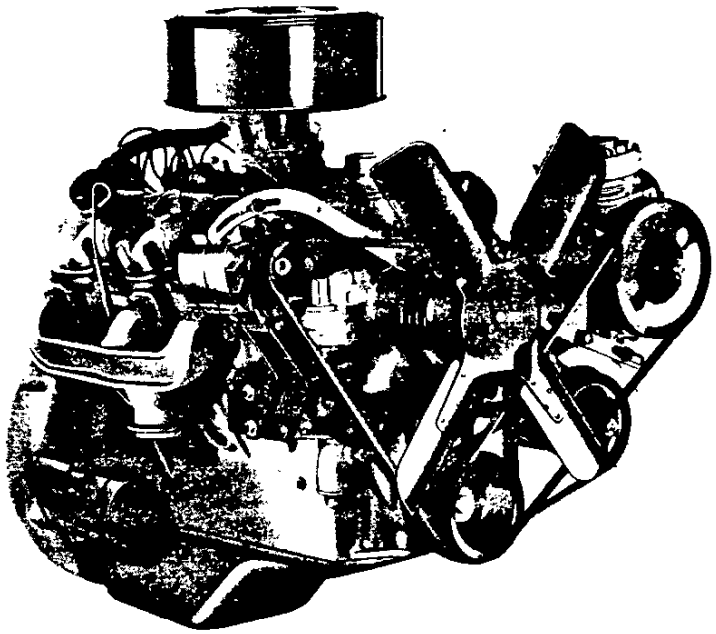
Engine type.....Valve-in-head
Piston displacement.....478 cu in
Bore & stroke (nominal).....5.125" x 3.86"
Compression ratio.....7.5:1
Carburetor type.....2-barrel

Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data with gross ratings corrected to barometric pressure of 29.92" mercury and 60°F dry air, and SAE net ratings corrected to 29.00" mercury and 85°F dry air.

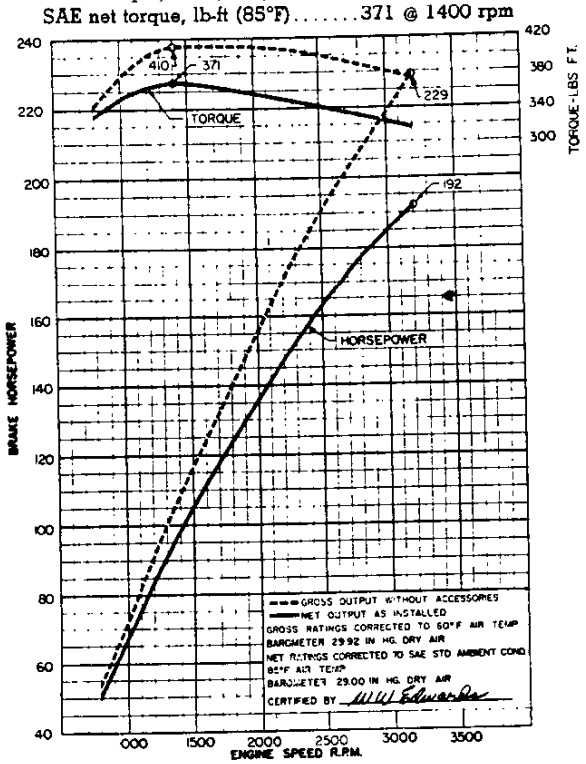
Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.



478 V6 (HM80)

Gross horsepower (60°F).....229 @ 3200 rpm
SAE net horsepower (85°F).....192 @ 3200 rpm
Gross torque, lb-ft (60°F).....410 @ 1400 rpm
SAE net torque, lb-ft (85°F).....371 @ 1400 rpm



305, 351, 401 & 478 V6 ENGINES

SIX CYLINDER V-TYPE—GASOLINE ENGINES Continued

➔STANDARD SPECIFICATIONS

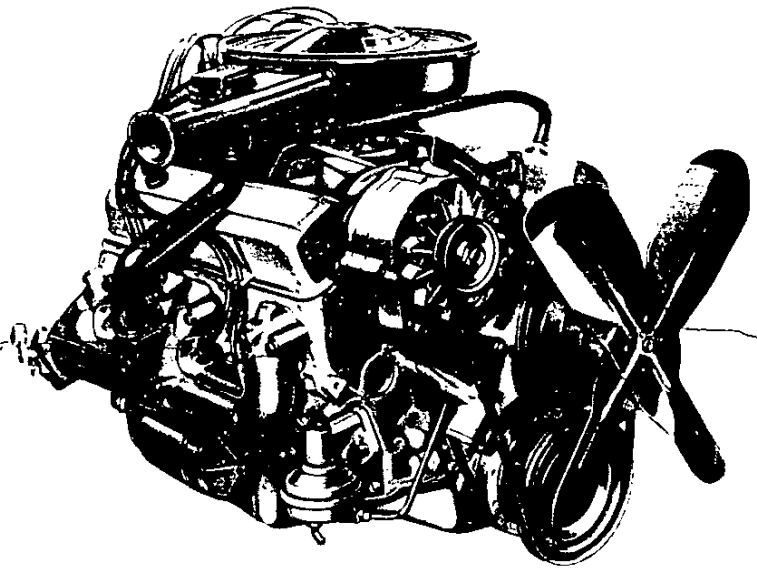
	HIGH TORQUE			
	305 V6	**351 V6**	**401 V6**	**478 V6**
Basic Description	60° V6; Valve-in-head			
Displacement (cu in)	304.7	351.2	409.1	477.7
Bore & Stroke	4.25 x 3.58	4.56 x 3.58	4.87 x 3.58	5.125 x 3.86
Compression Ratio	7.75:1	7.00:1	7.50:1	7.00:1
Firing Order	1-6-5-4-3-2			
Gross Horsepower @ rpm	N.A. @ N.A.	186 @ 3600	217 @ 3400	229 @ 3200
SAE Net Horsepower @ rpm	N.A. @ N.A.	154 @ 3600	175 @ 3400	192 @ 3200
Gross Torque (lb-ft) @ rpm	N.A. @ N.A.	284 @ 1600	343 @ 2000	410 @ 1400
SAE Net Torque (lb-ft) @ rpm	N.A. @ N.A.	254 @ 1600	298 @ 1600	371 @ 1400
Air Cleaner	See model page			
Camshaft				
Bearings	Steel-backed babbitt			
Valve Timing (in crankshaft degrees)				
Intake Valve Opens	21° BTC			
Intake Valve Closes	67° ABC			
Exhaust Valve Opens	76° BBC			
Exhaust Valve Closes	42° ATC			
Carburetor				
Type	Duplex downdraft, 2-barrel			
Make	Stromberg			
Venturi ID (in)	1.188		1.313	
Throttle Bore (in)	1.438		1.687	
Choke Control	Manual (Remote electric on RM80 model)			
Connecting Rods				
Material	Pearlitic Malleable Iron		SAE 1141 Steel Forging	
Length (in)	7.1905—7.1855			
Bearings	Steel backed aluminum		Steel backed aluminum with babbitt overlay	
Crankcase Ventilation	Closed positive			
Crankshaft				
Material	Nodular iron		SAE 1046 fine grain steel (Tufftrided)	
Number of Counterweights	7			
Main Journals (in)	3.1247—3.1237 (except rear is 3.1239—3.1229)			
Torsional Damper	None			Schwitzer
Bearings	Steel backed aluminum alloy			
Distributor	Delco-Remy, single breaker type			
Fuel Filter				
In-line	Throwaway paper element			
Governor				
Availability	Optional (RPO K42)		Standard	
Make	King-Seely		Chevrolet	
Type	Velocity		Positive-hydraulic	
Setting	3400 rpm	3600 rpm	3400 rpm	3200 rpm
Lubrication System	Controlled full pressure			
Main Bearings	Direct pressure			
Camshaft Bearings	Direct pressure			
Timing Gears/Chain	Direct spray and overflow			
Connecting Rods	Direct pressure			
Valve Mechanism	Reduced pressure			
Cylinder Walls	Splash			
Piston Pins	Splash and mist			

SIX CYLINDER V-TYPE—GASOLINE ENGINES Continued

STANDARD SPECIFICATIONS

	HIGH TORQUE			
	305 V6	351 V6	401 V6	478 V6
Oil Capacity (qts)				
With filter change	9		11	
W/o filter change	8		9	
Oil Filter	AC PF30		AC PM-13-2	
Standard	Throwaway type		Replaceable element	
Capacity (qts)	1		2	
Oil Pump				
Type	Rotor, distributor shaft driven			
Capacity (gpm)	14 @ 3400 rpm		13 @ 3200 rpm	
Normal Pressure (psi)	57		60	
Pistons				
Material	Cast aluminum with steel expansion band			
Skirt	Solid slipper			
Head	Recessed			
Piston Pins				
Type	Full-floating, tubular			
Material	Cold forged steel			
Piston Rings				
Compression Rings	1 & 2—Inside bevel 3—Taper face, reverse twist	1, 2 & 3—Inside bevel		1—Inside bevel 2—Taper face 3—Taper face, reverse twist
Number	3			
Material	1—Nodular iron, chrome plated; 2 & 3—Cast iron, phosphate coated			
Oil Control Ring	Uni-Seal			Sealed Power (two piece)
Number	1			
Material	Spring steel			Chromed cast iron
Thermostat	(2) Harrison 180°			
Valve Train				
Type	Rocker arm and shaft, push rod actuated			
Lifters	Mechanical, alloy iron			
Rocker Arm Ratio	N.A.			
Valve Guides	Integral with head			
Valve Lash	.012 intake and .018 exhaust			
Intake Valves				
Material	Silchrome XB steel			
Head Diameter (in)	2.005—1.995	2.165—2.155	2.265—2.255	
Face Coating	None	Aluminum		
Seats	Machined in head			
Rotators	Positive base mounted			
Exhaust Valves			Silchrome XB, hardened face, chrome plated and sodium filled stems	
Material	SIL-10, hard face, solid stems			
Head Diameter (in)	1.570—1.560	1.835—1.825	1.888—1.878	
Face Coating	None	Nichrome		
Seats	Machined in head	Inserts, Eatonite steel		
Rotators	Positive base mounted			
Water Pump				
Type	Centrifugal			
Capacity (gpm)	145 @ 3400 rpm	135 @ 3400 rpm		130 @ 3400 rpm

TURBO-FIRE 307 V8



Applications

Standard: El Camino (13480, 13680)
Optional: None

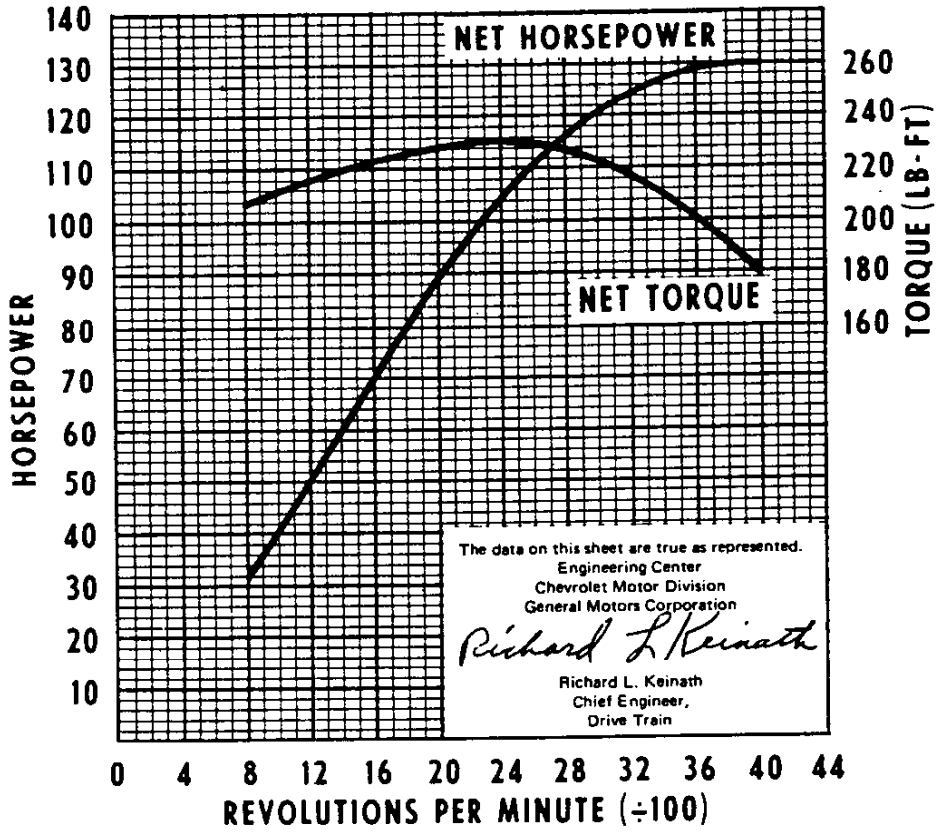
Basic Specifications

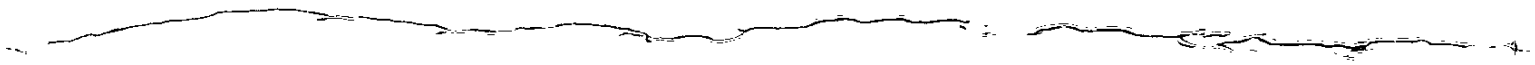
Engine type.....Valve-in-head
Piston displacement.....307 cu in
Bore & stroke (nominal).....3⅞" x 3¼"
Compression ratio.....8.5:1
Carburetor type.....2-barrel

Test Procedures

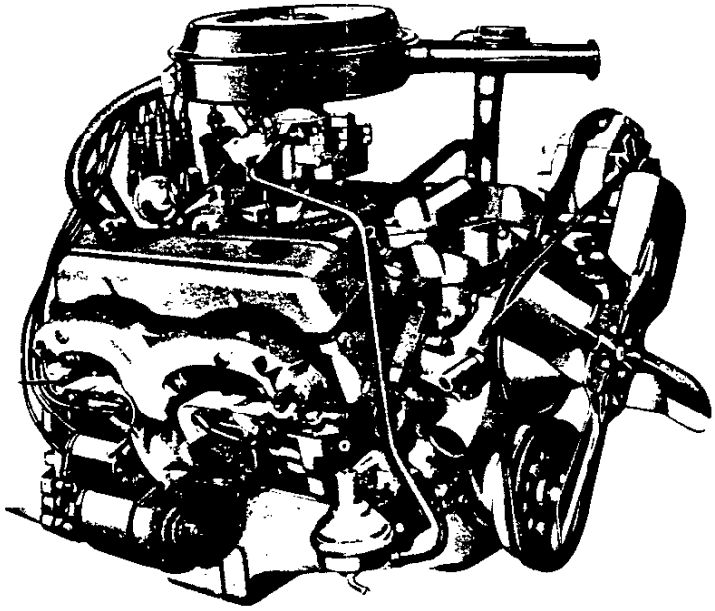
These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F).....130 @ 4000 rpm
SAE net torque, lb-ft (85°F).....230 @ 2400 rpm





HIGH TORQUE 307 V8



Typical Engine Shown

Applications

Standard: CE10-30; GE10; KE10-20; PE20-30
Optional: None

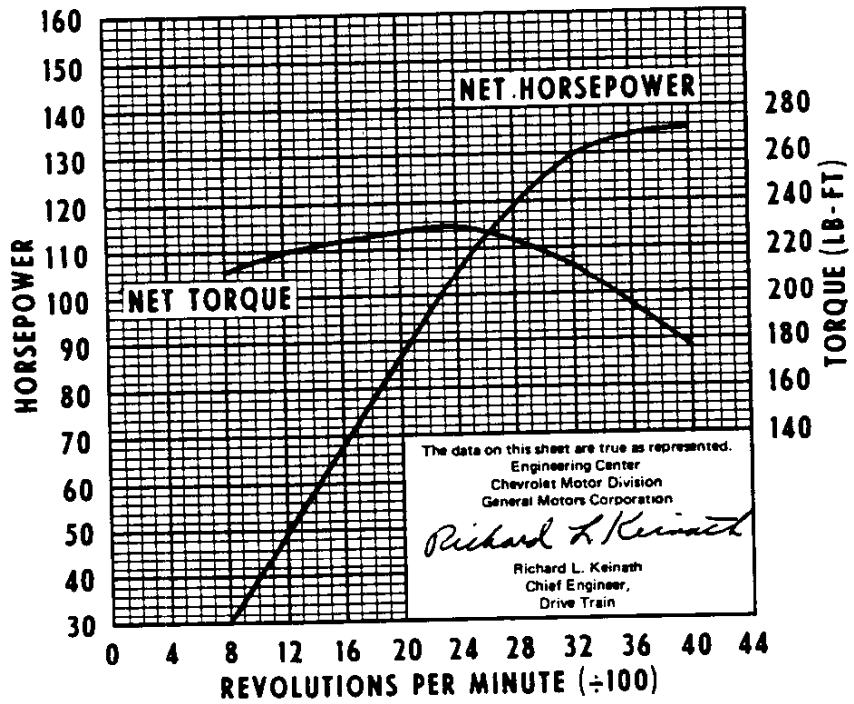
Basic Specifications

Engine type.....Valve-in-head
Piston displacement.....307 cu in
Bore & stroke (nominal).....3.87" x 3.25"
Compression ratio.....8.5:1
Carburetor type.....2-barrel

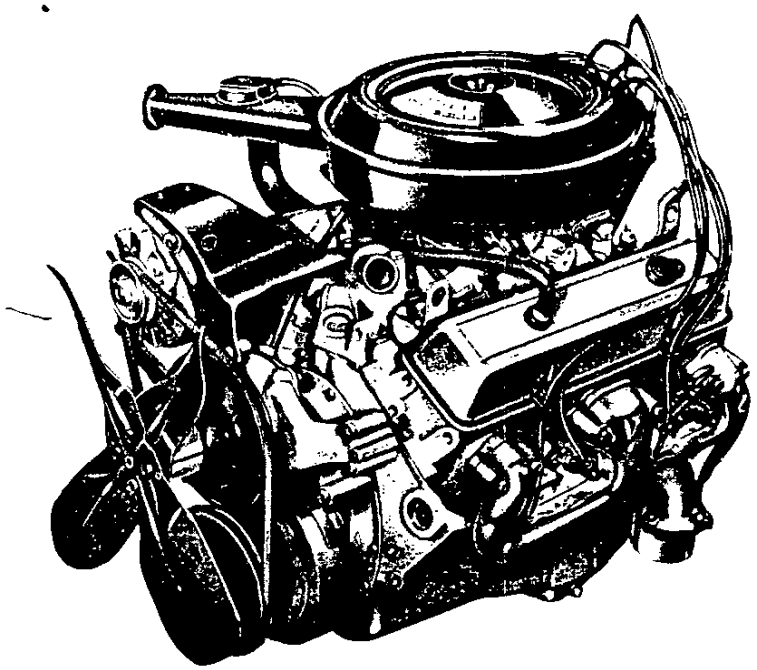
Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F).....135 @ 4000 rpm
SAE net torque, lb-ft (85°F).....230 @ 2400 rpm



TURBO-FIRE 350 V8



Typical Engine Shown

Applications

Standard: None
Optional: El Camino (13480, 13680)

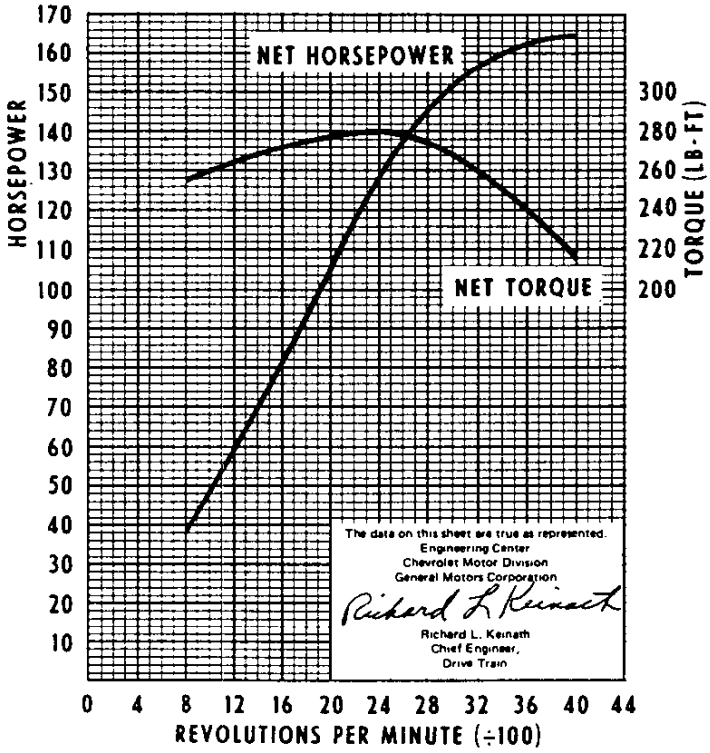
Basic Specifications

Engine type.....Valve-in-head
Piston displacement.....350 cu in
Bore & stroke (nominal).....4" x 3.48"
Compression ratio.....8.5:1
Carburetor type.....2-barrel

Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F).....165 @ 4000 rpm
SAE net torque, lb-ft (85°F).....280 @ 2400 rpm



Applications

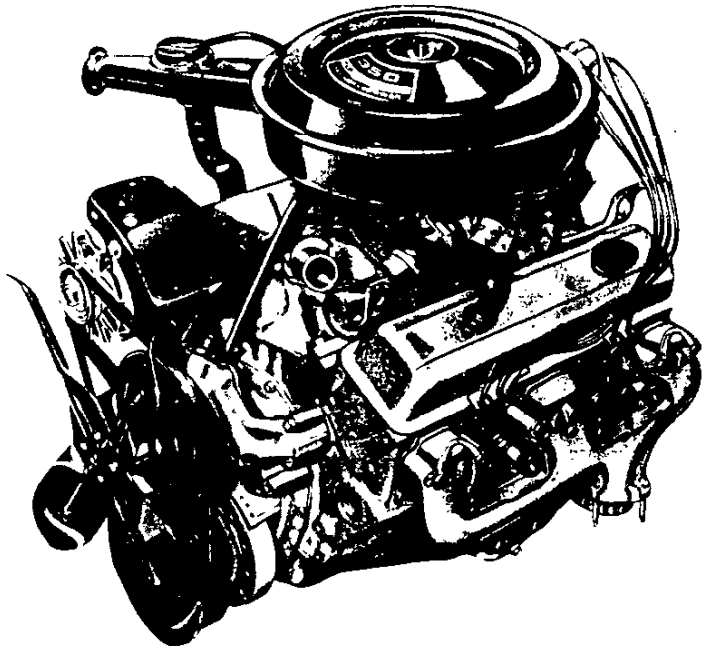
Standard: None
Optional: El Camino (13480, 13680)

Basic Specifications

Engine type.....Valve-in-head
Piston displacement.....350 cu in
Bore & stroke (nominal).....4" x 3.48"
Compression ratio.....8.5:1
Carburetor type.....4-barrel

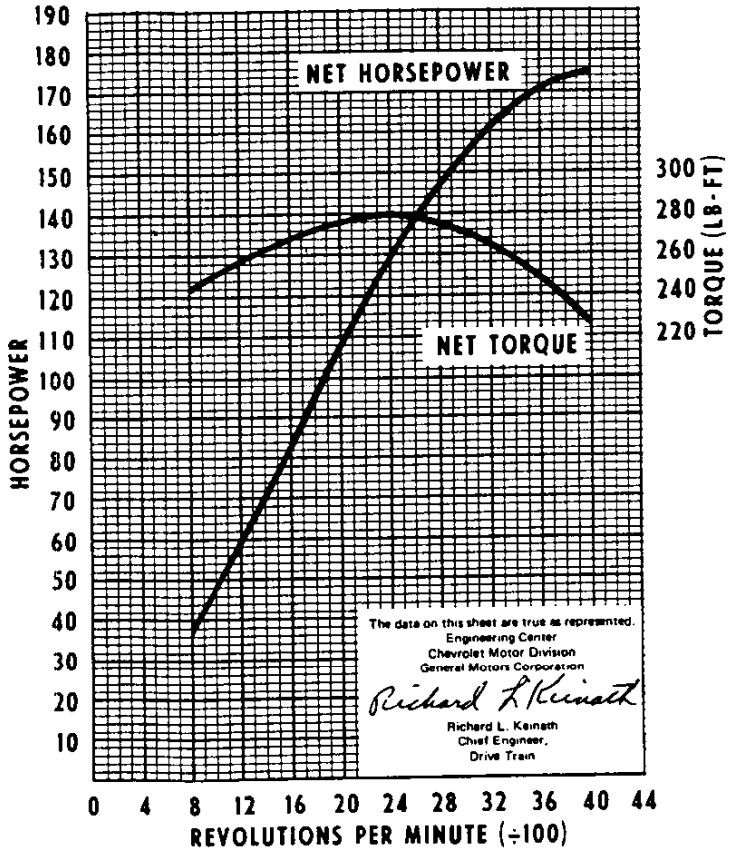
Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

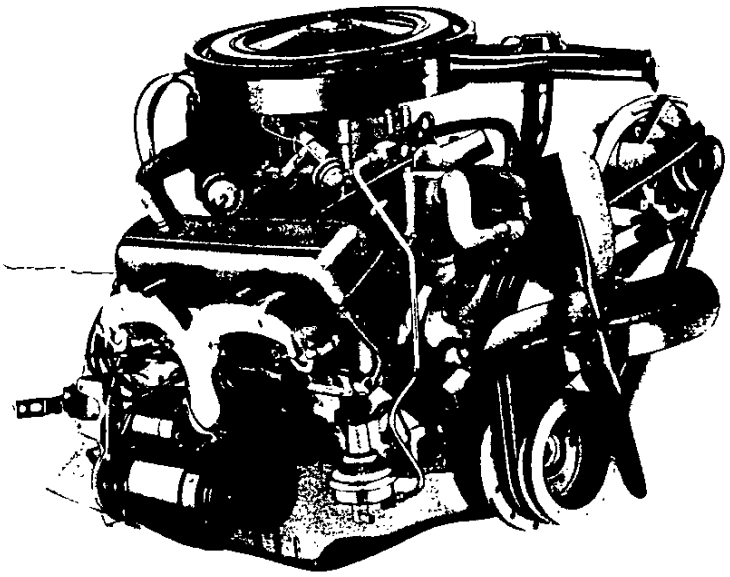


Typical Engine Shown

SAE net horsepower (85°F).....175 @ 4000 rpm
SAE net torque, lb-ft (85°F).....280 @ 2400 rpm



HIGH TORQUE 350 V8



Applications

Standard: GE20-30; PE30 Motor Home Chassis
Optional: CE10-30; KE10-20; PE20-30; GE10

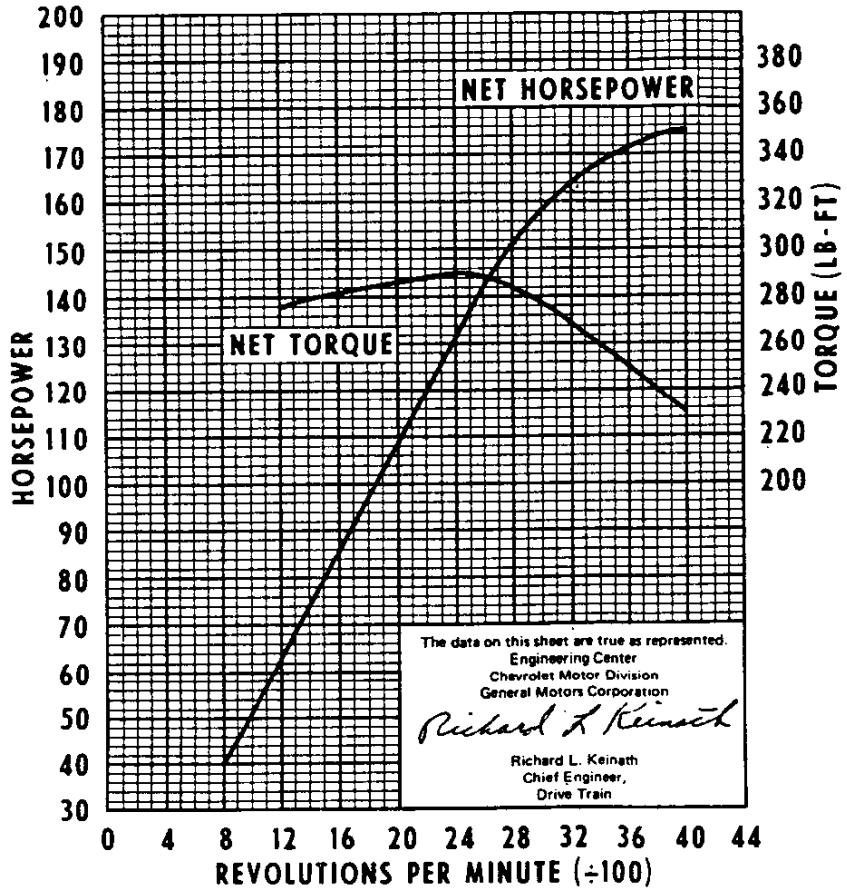
Basic Specifications

Engine type.....Valve-in-head
Piston displacement.....350 cu in
Bore & stroke (nominal).....4.0" x 3.48"
Compression ratio.....8.5:1
Carburetor type.....4-barrel

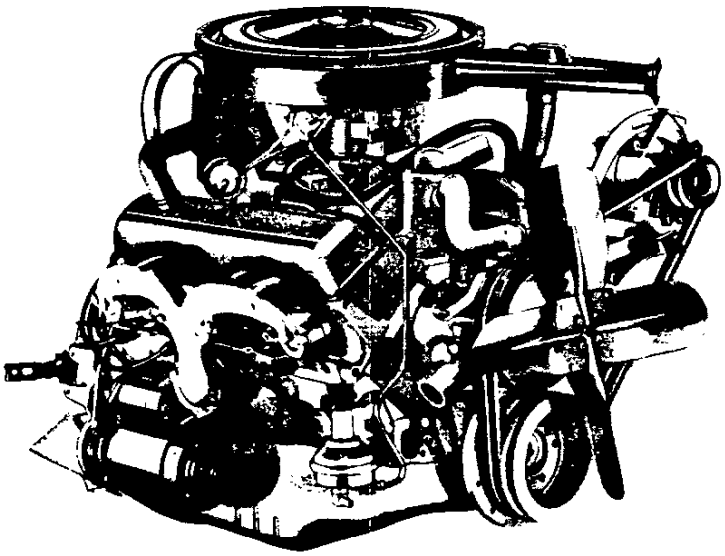
Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F).....175 @ 4000 rpm
SAE net torque, lb-ft (85°F).....290 @ 2400 rpm



HIGH TORQUE 350 V8



Applications

Standard: CE40; CE/SE/TE50
Optional: None

Basic Specifications

Engine type	Valve-in-head
Piston displacement	350 cu in
Bore & stroke (nominal)	4.0″ x 3.48″
Compression ratio	8.0:1
Carburetor type	2-barrel

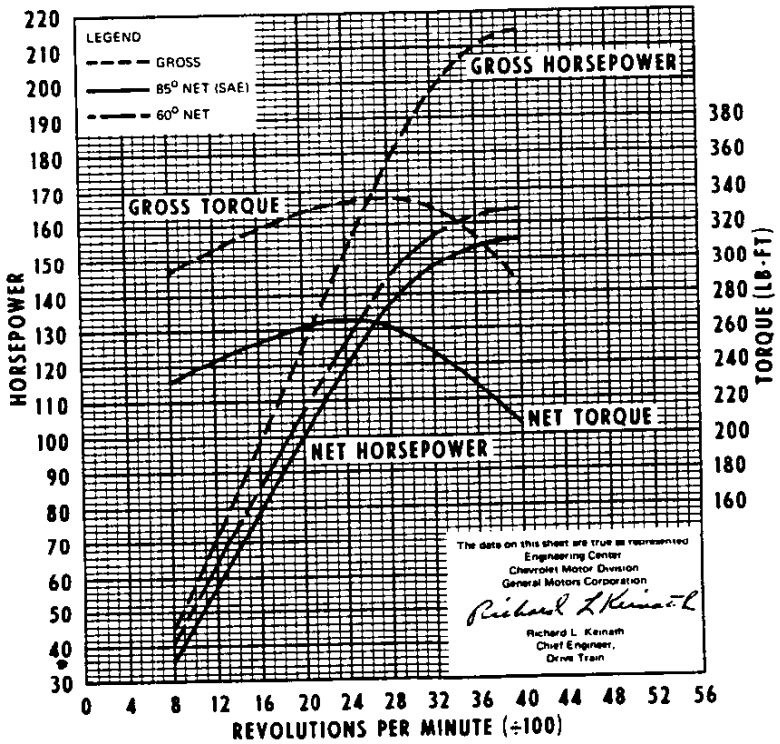
Test Procedures

These curves represent full throttle performance as obtained from dynamometer test data with gross ratings corrected to barometric pressure of 29.92″ mercury and 60°F dry air. Net ratings are corrected to both 29.92″ mercury and 60°F dry air and 29.00″ mercury and 85°F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.

Gross horsepower (60°F)	215 @ 4000 rpm
Net horsepower (60°F)	164 @ 4000 rpm
SAE net horsepower (85°F)	155 @ 4000 rpm
Gross torque, lb-ft (60°F)	335 @ 2800 rpm
Net torque, lb-ft (60°F)	280 @ 2400 rpm
SAE net torque, lb-ft (85°F)	265 @ 2400 rpm



307 V8 ENGINES

SPECIFICATIONS

	TURBO-FIRE	HIGH TORQUE	
	307 V8 (El Camino)	307 V8*	307 V8**
Basic Description	V8; valve-in-head		
Displacement (cu in)	307		
Bore & Stroke (in)	3.875 x 3.25		
Compression Ratio	8.5:1		
Firing Order	1-8-4-3-6-5-7-2		
SAE net Horsepower @ rpm	130 @ 4000	135 @ 4000	135 @ 4000
SAE net-Torque (lb-ft) @ rpm	230 @ 2400	230 @ 2400	230 @ 2400
Air Cleaner	See model pages for type		
Camshaft			
Bearings	Steel-backed babbitt		
Valve Timing (in crankshaft degrees)			
Intake Valve (excluding ramps) Opens	28° BTC		
Intake Valve (excluding ramps) Closes	72° ABC		
Exhaust Valve (excluding ramps) Opens	78° BBC		
Exhaust Valve (excluding ramps) Closes	30° ATC		
Intake Duration w/o Ramp	280°		
Exhaust Duration w/o Ramp	288°		
Carburetor			
Type	2-Barrel		
Make	Rochester		
Venturi ID (in)	1.09		
Throttle Bore (in)	1.437	1.437	1.69
Choke Control	Automatic		
Connecting Rods			
Material	Drop-forged steel		
Length (in)	5.695—5.705		
Bearings	Copper lead alloy or micro-babbitt on steel		
Crankcase Ventilation	Closed positive		
Crankshaft			
Material	Cast nodular iron		
Number of Counterweights	6		
Main Journals (in)	2.45		
Crankpin Journals (in)	2.10		
Torsional Damper	Inertia; rubber mounted		
Bearings	Copper lead alloy or micro-babbitt aluminum		
Distributor	Delco-Remy; centrifugal & vacuum advance		
Fuel Filter			
Carburetor	Sintered bronze	Sintered bronze	Pleated fiber element
Fuel Tank	Plastic mesh strainer		
Governor			
Availability	None		
Lubrication System	Controlled full pressure		
Main Bearings	Direct pressure		
Camshaft Bearings	Direct pressure		
Timing Gear	Centrifugally sprayed		
Connecting Rods	Direct pressure		
Valve Mechanism	Pressure & gravity		
Cylinder Walls	Cross sprayed throw-off from rod bearing		
Piston Pins	Cross sprayed throw-off from rod bearing		

*All Series 10; Series 20 Suburbans. **All Series 20-30 (except Series 20 Suburban).

SPECIFICATIONS

	TURBO-FIRE	HIGH TORQUE	
	307 V8 (El Camino)	307 V8 (Series 10)	307 V8 (Series 20-30)
Oil Capacity (qts)			
With filter change	4.5	5	
W/o filter change	4		
Oil Filter			
Standard	Full flow; throwaway type		
Capacity	1 pint	1 quart	
Optional	None		
Capacity (qts)	—		
Oil Pump			
Type	Spur gear; distributor shaft driven		
Capacity (gpm)	4.3 @ 2000 rpm		
Normal Pressure (psi)	30 @ 1180 rpm		
Pistons			
Material	Cast aluminum alloy		
Skirt	Open		
Head	Flat; notched		
Piston Pins			
Type	Rod shrink fit to pin		
Material	Chromium steel		
Piston Rings			
Compression Rings			
Number	2		
Type	Upper—barrel; lower—inside bevel, tapered face		
Material	Cast alloy iron		
Oil Control Ring			
Number	1		
Type	Multi-piece		
Material	Steel		
Thermostat	Harrison or Dole; 195°		
Valve Train			
Type	Individually mounted rocker arms, push rod actuated		
Lifters	Hydraulic		
Rocker Arm Ratio	1.50:1		
Valve Guides	Integral with cylinder head		
Valve Lash	Zero		
Intake Valves			
Material	Alloy steel		
Diameter (in)	1.715—1.725		
Face Coating	None		
Seats	Machined in cylinder head		
Exhaust Valves			
Material	High alloy steel		
Diameter (in)	1.495—1.505		
Face Coating	Aluminized	Stellite	
Seats	Machined in cylinder head; induction hardened		
Rotators	Yes		
Water Pump			
Type	Centrifugal		
Capacity (gpm)	25 @ 2000 rpm	52 @ 4000 rpm	

350 V8 ENGINES

SPECIFICATIONS

	Turbo-Fire		High Torque	
	350 V8*	350 V8*	350 V8■	350 V8#
Basic Description	V8; valve in head			
Displacement (cu in)	350			
Bore & Stroke (in)	4.0 x 3.48			
Compression Ratio	8.5:1	8.5:1	8.0:1	8.5:1
Firing Order	1-8-4-3-6-5-7-2			
SAE Net Horsepower @ rpm	165 @ 4000	175 @ 4000	155 @ 4000	175 @ 4000
SAE Net Torque (lb-ft) @ rpm	280 @ 2400	280 @ 2400	265 @ 2400	290 @ 2400
Air Cleaner	See model pages for type			
Camshaft				
Bearings	Steel-backed babbitt			
Valve Timing (in crankshaft degrees) Intake Valve (excluding ramps) Opens	28° BTC			
Intake Valve (excluding ramps) Closes	72° ABC			
Exhaust Valve (excluding ramps) Opens	78° BBC			
Exhaust Valve (excluding ramps) Closes	30° ATC			
Intake Duration w/o Ramp	280°			
Exhaust Duration w/o Ramp	288°			
Carburetor				
Type	2-barrel	4-barrel	2-barrel	4-barrel
Make	Rochester			
Venturi ID (in)	1.09			
Throttle Bore (in)	1.69	Pri 1.38; sec 2.25	1.68	Pri 1.38; sec 2.25
Choke Control	Automatic		Manual	Automatic
Connecting Rods				
Material	Drop-forged Steel			
Length (in)	5.695—5.705			
Bearings	Premium aluminum			
Crankcase Ventilation	Closed positive			
Crankshaft				
Material	Cast nodular iron		Forged steel	Cast nodular iron
Number of Counterweights	6			
Main Journals (in)	2.45			
Crankpin Journals (in)	2.10			
Torsional Damper	Inertia; rubber mounted			
Bearings	Upper—Micro-babbitt or copper lead; Lower—premium aluminum			
Distributor	Delco-Remy; centrifugal & vacuum advance			
Fuel Filter				
Carburetor	Pleated fiber element			
Fuel Tank	Plastic strainer			
In-line	N.A.		Optional†	N.A.
Governor				
Availability			50 Series	—
Make			Delco-Remy	—
Type			Vacuum spinner	—
Setting			4000 rpm	—
Lubrication System	Controlled full pressure			
Main Bearings	Direct pressure			
Camshaft Bearings	Direct pressure			
Timing Gear	Centrifugally sprayed			
Connecting Rods	Direct pressure			
Valve Mechanism	Pressure & gravity			
Cylinder Walls	Cross sprayed throw-off from rod bearing			
Piston Pins	Cross sprayed throw-off from rod bearing			
Oil Capacity (qts)				
With filter change	4.5		6	5
W/o filter change	4		5	4

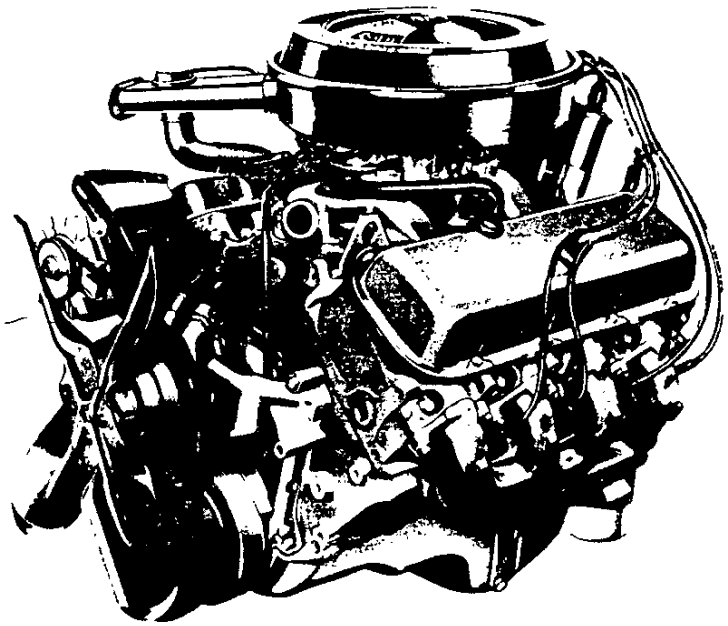
*El Camino only ■Series 40-50 #Lt Duty—LS9; standard on GE20-30 and PE30 Motor Home Chassis
†On 40 Series and Standard on 50 Series

SPECIFICATIONS

	Turbo-Fire		High Torque	
	350 V8*	350 V8*	350 V8■	350 V8#
Oil Filter	Throwaway		Full flow; replaceable element†	Throwaway
Capacity (qts)	½		One◆	
Oil Pump				
Type	Spur gear; distributor shaft driven			
Capacity (gpm)	4.3 @ 2000 rpm			
Normal Pressure (psi)	50-65 @ 2000 rpm			
Pistons				
Material	Cast aluminum alloy			
Skirt	Slipper		Closed	
Head	Sump notched	Sump		Sump notched
Piston Pins				
Type	Rod shrink fit to pin			
Material	Chromium steel			
Piston Rings				
Compression Rings				
Number	2			
Type	Upper—barrel; lower—inside bevel			
Material	Cast iron alloy			
Oil Control Ring				
Number	1			
Type	Multi-piece			
Material	Steel			
Thermostat	Harrison or Duke; 195°			
Valve Train				
Type	Individually mounted rocker arms, push rod actuated			
Lifters	Hydraulic			
Rocker Arm Ratio	1.50:1			
Valve Guides	Integral with cylinder head			
Valve Lash	Zero			
Intake Valves				
Material	Alloy steel			
Diameter (in)	1.94		1.72††	1.94**
Face Coatings	None	Aluminized		None
Seats	*Machined in cylinder head*			
Exhaust Valves				
Material	High alloy steel	Stellite	High alloy steel	High alloy steel
Diameter (in)	1.50			
Face Coating	Aluminized	None		Stellite‡
Seats	Machined in cyl. head; induction hardened	Inserts (50 Series)		Machined in cyl. head; induction hardened
Rotators	Yes	Yes		Yes
Water Pump				
Type	*Centrifugal*			
Capacity (gpm)	25 @ 2000 rpm		52 @ 4000 rpm	

◆Two quart on Series 50 ■Series 40-50 #Lt Duty-LS9; standard on GE20-30 and PE30 Motor Home Chassis
†On 50 Series. Throwaway on 40 Series *El Camino only
**On all Series 10; and on Series 20 Suburbans, Series 20-30 Sportvans, and Series 20 Chevy Vans.
‡Aluminized on Series 10; and on Series 20 Suburbans, Series 20-30 Sportvans, and Series 20 ChevyVans.
††Also on Series 20-30 Pickups, Chassis-Cabs, Step-Vans, and FC Chassis; Series 30 Chevy Vans.

TURBO-JET 400 V8



Applications

Standard: None
Optional: 13680

Basic Specifications

Engine type.....Valve-in-head
Piston displacement.....402 cu in
Bore & stroke (nominal).....4.126" x 3.76"
Compression ratio.....8.5:1
Carburetor type.....4-barrel

Test Procedures

These curves represent full-throttle performance as obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle, with ratings corrected to barometric pressure of 29.00" mercury and 85°F dry air.

SAE net horsepower (85°F).....240 @ 4400 rpm
SAE net torque, lb-ft (85°F).....345 @ 3200 rpm