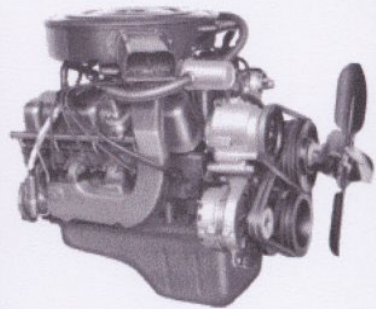
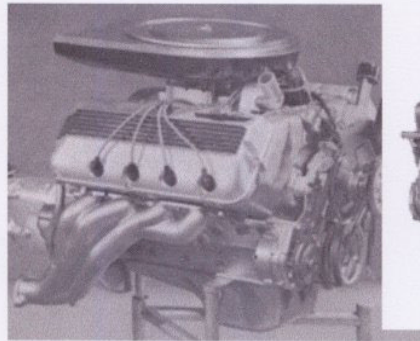
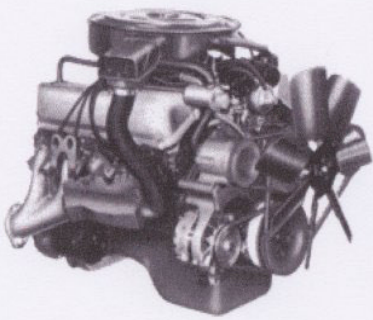


Basic Information



All information taken from original and reprinted Ford manuals.

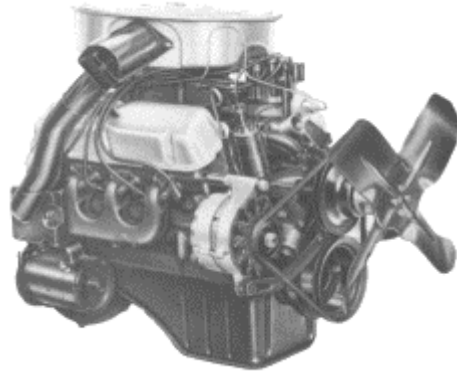


Table of Contents

Engine	Code	Page	Engine	Code	Page
289 4V 1965-1967	A	03	351 Windsor 4V 1969	M	72
406 4V 1962-1963	B	06	351 Cleveland 4V 1970-1973	M	73
289 2V 1963-1968	C	09	390 Police Inter. 4V 1963-1965	P	76
429 Cobra Jet 4V 1970-1971	C	12	428 4V 1966-1970	P	78
429 Super Cobra Jet 1970-1971	C	15	427 4V 1963-1965	Q	82
289 4V 1964-1965	D	18	428 4V 1966-1968	Q	86
427 SOHC 8V 1966-1968	D	21	428 Cobra Jet 4V 1969-1970	Q	89
260 2V 1962-1965	F	23	351 Cobra Jet 4V 1971	Q	93
302 2V 1968-1973	F	25	351 Cleveland 4V 1972-1973	Q	97
406 6V 1962-1963	G	31	427 8v 1963-1967	R	101
302 Tunnel Port 8V 1968	G	33	428 Cobra Jet/R 4V 1968-1970	R	105
302 High Output 4V 1969-1970	G	37	351 HO Boss 4V 1971-1972	R	108
351 Cleveland 2V 1970-1973	H	40	390 GT 4V 1966-1968	S	111
351 Windsor 2V 1969-1973	H	43	390 IP 4V 1969	S	114
302 4V 1968	J	46	200 1V 1963-1973	T	117
429 Cobra Jet/R 4V 1970-1971	J	49	170 1V 1961-1973	U	120
429 Super CJ/R 4V 1970-1971	J	52	427 4V 1966-1967	W	123
289 HP 4V 1963-1967	K	55	427 HV 1968	W	127
221 2V 1962-1963	L	59	352 4V 1961-1968	X	129
427 SOHC 4V 1966-1968	L	62	390 2V 1968	X	132
390 HP 6V 1962-1963	M	64	390 4V 1961-1968	Z	134
427 8V 1965	M	68	390 HP 4V 1961-1962	Z	137
.....			429 High Output 4V 1969-1970	Z	141
				



1965-67 "A" 289 (4V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1965	Comet, Fairlane, Mustang
1966	Comet, Mustang
1967	Falcon, Cougar, Mustang

General Specifications

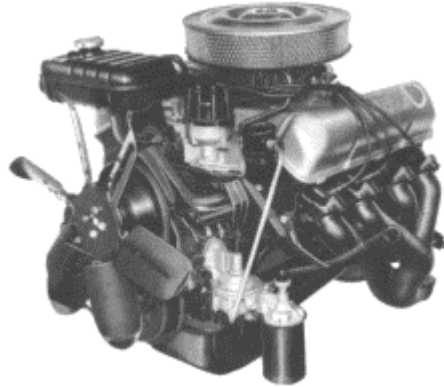
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	289 CID
foundry group	Fairlane V-8

maximum horsepower	225 Bhp @ 4,800rpm				
maximum torque	305 lbs./ft. @ 3,200rpm				
maximum standard bore x stroke	4.005" x 2.87"				
heavy-duty mains?	n/a				
max. compression ratio (w/ service-type gaskets)	10.3:1 (1965-67)				
combustion chamber (volume)	61.3cc - 64.3cc (quench type)				
carburetor	Autolite 4100 (4V - 65/66) Autolite 4300-A (4V - 67) squarebore (all automatic choke)				
fuel requirement	premium				
intake manifold mat'l.	cast iron				
valve-train type	hydraulic				
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>266°</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	266°	overlap	.36°
duration (int.)	266°				
overlap	.36°				

	lift (valve/exh.)	.380"
	overlap	.36°
intake valve (head diameter)	1.773" - 1.788"	
exhaust valve (head diameter)	1.442" - 1.457"	
distributor	single-pointset vacuum advance	
spark plugs	Autolite BF-42	
emission controls (CA only)	Thermactor (from 1966)	
emission controls (49 states)	n/a	
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H	
nominal weight (less alt., starter, fan, belts, & air cleaner)	465 lbs.	

1962-63 "B" 406 (4V; "406 HP")
1962-63 "G" 406 (6V; "406 Super HP")



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1962 - 63 (intro. 3-62)	Galaxie, Mercury

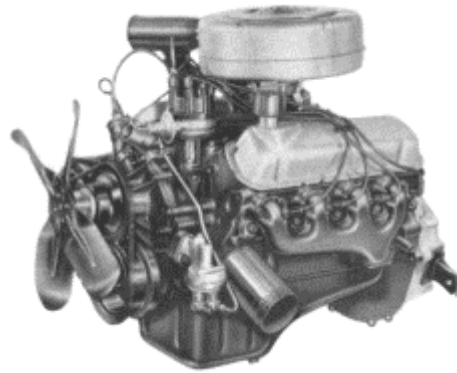
General Specifications
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	406 CID
foundry group	Ford-Edsel (FE)

horsepower	("B"-series) 405 Bhp @ 5,800rpm ("G"-series)
maximum torque	444 lbs./ft. @ 3,400rpm ("B"-series) 448 lbs./ft. @ 3,500rpm ("G"-series)
maximum standard bore x stroke	4.134" x 3.784"
heavy-duty mains?	crossbolted (after ~5-62)
max. compression ratio (w/ service-type gaskets)	11.4:1
combustion chamber (volume)	62.6cc - 64.6cc (before 1-29-62) 64.0cc - 67.0cc (1-29-62 to 12-17-63) 56.4cc - 61.0cc (after 12-17-63*) (all quench type)
carburetor	Holley 4150 (4V) ("B"-series) Holley 2100 (3 x 2V) ("G"-series) (all automatic choke)

fuel requirement	super premium
intake manifold mat'l.	aluminum
valve-train type	solid/adjustable
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566" (before 12-17-63*) 1.645" - 1.660" (after 12-17-63*)
distributor	dual-pointset mechanical advance (transistorized ignition was an option)
spark plugs	Autolite BF-32 ("G"-series) Autolite BF-42 ("B"-series)
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs.

1963-1968 "C" 289 (2V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1963 - 64	Fairlane, Galaxie
1965 - 66	Comet, Fairlane, Falcon Galaxie, Mustang
1967	Comet, Cougar, Fairlane Falcon, Galaxie, Mustang
1968	Comet*, Cougar* Falcon, Mustang

General Specifications

All figures taken from original Ford literature

engine type

8 cylinder
90 degree, OHV

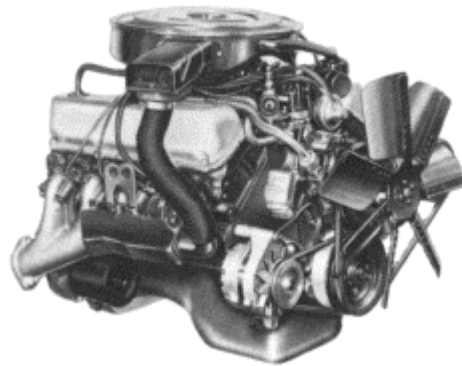
displacement	289 CID
foundry group	Fairlane V-8
maximum horsepower	200 Bhp @ 4,400rpm (1963 - 67) 195 Bhp @ 4,600rpm (1968)
maximum torque	282 lbs./ft. @ 2,400rpm (1963 - 67) 288 lbs./ft. @ 2,600rpm (1968)
maximum standard bore x stroke	4.005" x 2.87"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	9.4:1 (1963 - 64) 9.8:1 (1965 - 67) 9.2:1 (1968)
combustion chamber (volume)	53.0cc - 56.0cc (63/67) 60.5cc - 63.5cc (68) (all quench type)
carburetor	Autolite 2100 (2V - 63/66) Autolite 2100 (2V - 67/68) (all automatic choke)
fuel requirement	regular
intake manifold mat'l.	cast iron

valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>266°</td> </tr> <tr> <td>duration (exh.)</td> <td>244°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.230"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.237"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.360"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.380"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	266°	duration (exh.)	244°	lift (lobe/int.)	.230"	lift (lobe/exh.)	.237"	lift (valve/int.)	.360"	lift (valve/exh.)	.380"	overlap	.36°
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lift (lobe/int.)	.230"														
lift (lobe/exh.)	.237"														
lift (valve/int.)	.360"														
lift (valve/exh.)	.380"														
overlap	.36°														
intake valve (head diameter)	1.662" - 1.678" (before 2-64) 1.773" - 1.788" (after 2-64)														
exhaust valve (head diameter)	1.442" - 1.457"														
distributor	single-pointset vacuum advance														
spark plugs	Autolite BF-42														
emission controls (CA only)	IMCO (1968 - A/T, only) Thermactor (1966-up)														
emission controls (49 states)	IMCO (1968 - A/T, only) Thermactor (1968 - S/T, only)														
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H														

nominal weight
(less alt., starter, fan,
belts, & air cleaner)

460 lbs

1970-1971 "C" 429-CJ
1970-1971 "J" 429-CJ/R (incl. "Ram-air") **



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1970	Torino, Montego
1970½	Falcon
1971	Cougar, Torino Montego, Mustang

General Specifications

All figures taken from original Ford literature

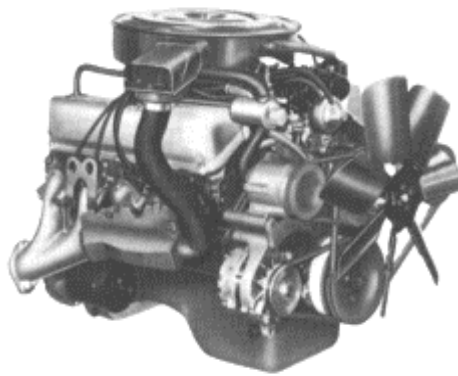
engine type	8 cylinder 90 degree, OHV
displacement	429 CID
foundry group	385 "Lincoln"
maximum horsepower	370Bhp @ 5,600rpm
maximum torque	450 lbs./ft. @ 3,400rpm
maximum standard bore x stroke	4.362" x 3.590"
heavy-duty mains?	2-bolt standard (1970) 4-bolt, except #1 jrnl. (1971)
max. compression ratio (w/ factory-type gaskets)	11.3:1
combustion chamber (volume)	71.8cc - 74.8cc (quench type)
carburetor	Rochester (4V) automatic choke
fuel requirement	premium
intake manifold mat'l.	cast iron

valve-train type	hydraulic/adjustable before 11-69 hydraulic/non-adjustable after 11-69
intake valve (head diameter)	2.242" - 2.248"
exhaust valve (head diameter)	1.722" - 1.728"
distributor	dual-pointset (all S/T, exc. 71 Tor./Mont.) single-pointset (all A/T) (1971 Torino/Montego - S/T)
	all vacuum advance
spark plugs	Autolite AF-32 (70) Autolite ARF-32 (71)
rpm governor limit?	6050 - 6150rpm (with S/T, only)
emission controls (CA only)	IMCO (with A/T, only) NOx (1971)
emission controls (49 states)	IMCO (with A/T, only)
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H

nominal weight
(less alt., starter, fan,
belts, & air cleaner)

565 lbs.

1970-71 "C" 429-SCJ *
1970-71 "J" 429-SCJ/R (incl. Ram-air)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1970	Torino, Montego
1970½	Falcon
1971	Cougar, Torino Montego, Mustang

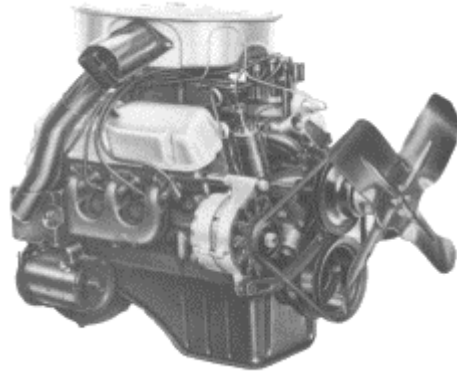
General Specifications

All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	429 CID
foundry group	385 "Lincoln"
maximum horsepower	375 Bhp @ 5,600rpm
maximum torque	450 lbs./ft. @ 3,400rpm
maximum standard bore x stroke	4.362" x 3.590"
heavy-duty mains?	4-bolt (all)
max. compression ratio (w/ factory-type gaskets)	11.3:1
combustion chamber (volume)	71.8cc - 74.8cc (quench type)
carburetor	Holley 4150-C (4V) automatic choke
fuel requirement	premium
intake manifold mat'l.	cast iron
valve-train type	solid /adjustable
intake valve	2.242" - 2.248"

(head diameter)	
exhaust valve (head diameter)	1.722" - 1.728"
distributor	dual-pointset (all S/T, exc. 71 Tor./Mont.) single-pointset (all A/T) (1971 Torino/Montego - S/T)
	all vacuum advance
spark plugs	Autolite AF-32 (70) Autolite ARF-32 (71)
rpm governor limit?	5700 - 5800 rpm (1970 Torino/Montego)
	6050 - 6150rpm (1971 Torino/Montego; S/T) (1971 Mustang; S/T)
emission controls (50 states)	Thermactor
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs.

1964-65 "D" 289 (4V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1964	Comet*, Fairlane
1965	Mustang

General Specifications All figures taken from original Ford literature

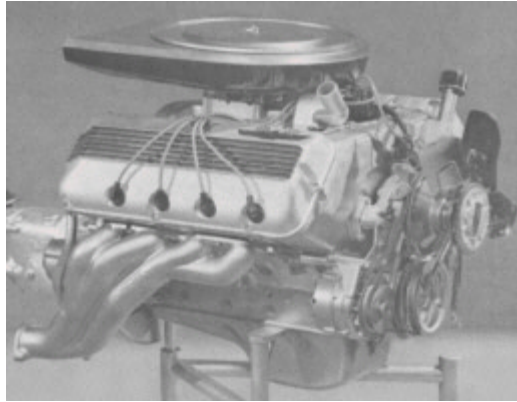
engine type	8 cylinder
displacement	289 CID
foundry group	Fairlane V-8
maximum horsepower	210 Bhp @ 4,400rpm
maximum torque	300 lbs./ft. @ 2,800rpm

maximum torque	300 lbs./ft. @ 2,800rpm														
maximum standard bore x stroke	4.005" x 2.87"														
heavy-duty mains?	n/a														
max. compression ratio (w/ service-type gaskets)	9.4:1														
combustion chamber (volume)	53.0cc - 56.0cc (quench type)														
carburetor	Autolite 4100 (4V) automatic choke														
fuel requirement	regular														
intake manifold mat'l.	cast iron														
valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>266°</td> </tr> <tr> <td>duration (exh.)</td> <td>244°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.230"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.237"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.360"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.380"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	266°	duration (exh.)	244°	lift (lobe/int.)	.230"	lift (lobe/exh.)	.237"	lift (valve/int.)	.360"	lift (valve/exh.)	.380"	overlap	.36°
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duration (exh.)	244°														
lift (lobe/int.)	.230"														
lift (lobe/exh.)	.237"														
lift (valve/int.)	.360"														
lift (valve/exh.)	.380"														
overlap	.36°														
intake valve (head diameter)	1.773" - 1.788"														

exhaust valve (head diameter)	1.442" - 1.457"
distributor	single-pointset vacuum advance
spark plugs	Autolite BF-42
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	465 lbs.



427 SOHC "D" (8V) 427 SOHC "L" (4V)



General Specifications

All figures taken from original Ford literature

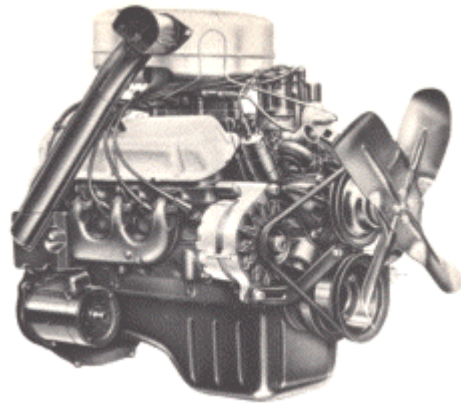
engine type	8 cylinder 90 degree, OHV
displacement	427 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	616 Bhp @ 7,000rpm (4V) 657 Bhp @ 7,500rpm (8V)
maximum torque	515 lbs./ft. @ 3,800rpm (4V) 575 lbs./ft. @ 4,200rpm (8V)
maximum standard bore x stroke	4.232" x 3.784"

heavy-duty mains?	crossbolted
compression ratio (advertised**)	12.0:1
combustion chamber (volume)	118.5cc - 121.5cc hemispherical type)
carburetor	Holley 4150-C (4V - 710cfm) Holley 4160 (8V - 2 @ 780cfm)
fuel requirement	super premium
intake manifold mat'l.	aluminum
valve-train type	solid/adjustable
intake valve (head diameter)	2.235" - 2.265"
exhaust valve (head diameter)	1.938" - 1.968"
distributor	dual-pointset mechanical advance
	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (50 states)	n/a

assembled weight

680 lbs.****

1963-1965 "F" 260 (2V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1962	Shelbv/AC Cobra
1963	Shelbv/AC Cobra
1964	Shelbv/AC Cobra
1965	Mustang*

1965

Mustang*

General Specifications

All figures taken from original Ford literature

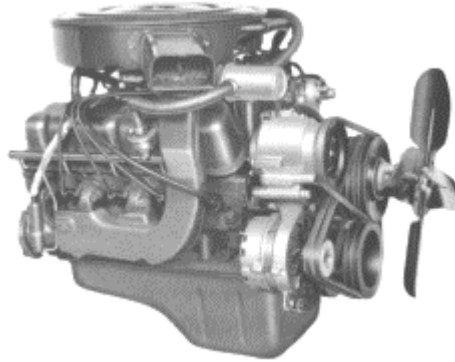
engine type	8 cylinder 90 degree, OHV
displacement	260 CID
foundry group	Fairlane V-8
maximum horsepower	164Bhp @ 4,400rpm (standard) 260Bhp @ 5,800rpm (Cobra, only)
maximum torque	258 lbs./ft. @ 2,200rpm (standard) 269 lbs./ft. @ 4,500rpm (Cobra, only)
maximum standard bore x stroke	3.80" x 2.87"
heavy-duty mains?	n/a

carburetor	Autolite 2100 (2V) automatic choke (std.) Autolite 4100 (4V) manual choke (Cobra)										
fuel requirement	regular (standard) premium (Cobra, only)										
intake manifold mat'l.	cast iron (standard) aluminum (Cobra, only)										
valve-train type	hydraulic (standard) solid/adjustable (Cobra, only)										
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>252°</td> </tr> <tr> <td>duration (exh.)</td> <td>252°</td> </tr> <tr> <td>lift (lobe)</td> <td>.238"</td> </tr> <tr> <td>lift (valve)</td> <td>.380"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	252°	duration (exh.)	252°	lift (lobe)	.238"	lift (valve)	.380"	overlap	.36°
duration (int.)	252°										
duration (exh.)	252°										
lift (lobe)	.238"										
lift (valve)	.380"										
overlap	.36°										
intake valve (head diameter)	1.592" - 1.608" (bef. 8-63) 1.662" - 1.678" (from 8-63)										
exhaust valve (head diameter)	1.392" - 1.408" (bef. 8-63) 1.442" - 1.457" (from 8-63)										
distributor	single-pointset										

	vacuum advance (standard) dual-pointset mechanical advance (Cobra, only)
spark plugs	Autolite BF-42
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	460 lbs.



1968-1973 "F" 302 (2V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1968	Cougar, Fairlane, Falcon Galaxie, Mustang*
1969	Falcon, Fairlane/Torino Galaxie, Montego, Mustang
1970	Falcon, Galaxie Montego, Mustang, Torino
1970½	Falcon
1971 - 73	Comet, Galaxie, Maverick** Montego, Mustang, Torino

General Specifications

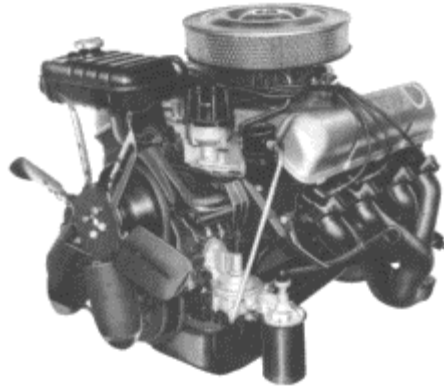
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	302 CID
foundry group	Small block
maximum horsepower	210 Bhp @ 4,400rpm (1968) 220 Bhp @ 4,600rpm (1969-70) 210 Bhp @ 4,600rpm (1971) 141 Bhp @ 4,000rpm (1972-73)
maximum torque	310 lbs./ft. @ 2,800rpm (1968) 300 lbs./ft. @ 2,600rpm (1969-71) 242 lbs./ft. @ 2,000rpm (1972-73)
maximum standard bore x stroke	4.0004" x 3.0028"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	9.5:1 (before 2-68) 10.0:1 (from 2-68) 9.5:1 (69/70) 9.0:1 (71) 8.5:1 (72/73)

combustion chamber (volume)	61.7cc - 64.7cc (before 2-68) 52.0cc - 55.0cc (from 2-68) 56.7cc - 59.7cc (1969-73 models) (all quench type)														
carburetor	Autolite 2100 (2V) (automatic choke)														
fuel requirement	regular														
intake manifold mat'l.	cast iron														
valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>266°</td> </tr> <tr> <td>duration (exh.)</td> <td>244°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.230"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.237"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.360"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.380"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	266°	duration (exh.)	244°	lift (lobe/int.)	.230"	lift (lobe/exh.)	.237"	lift (valve/int.)	.360"	lift (valve/exh.)	.380"	overlap	.36°
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duration (exh.)	244°														
lift (lobe/int.)	.230"														
lift (lobe/exh.)	.237"														
lift (valve/int.)	.360"														
lift (valve/exh.)	.380"														
overlap	.36°														
intake valve (head diameter)	1.773" - 1.788"														
exhaust valve (head diameter)	1.442" - 1.457"														
distributor	single-pointset														

	vacuum advance
spark plugs	Autolite BF-42 (68/70) Autolite BRF-42 (71/73)
emission controls (CA only)	Thermactor (1968) IMCO (1968; A/T, only) IMCO (1969-up, all) NOx (1971-up)
emission controls (49 states)	Thermactor (1968; S/T, only) IMCO (1968-up)
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	465 lbs.

1962-63 "B" 406 (4V; "406 HP")
1962-63 "G" 406 (6V; "406 Super HP")



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1962 - 63 (intro. 3-62)	Galaxie, Mercury

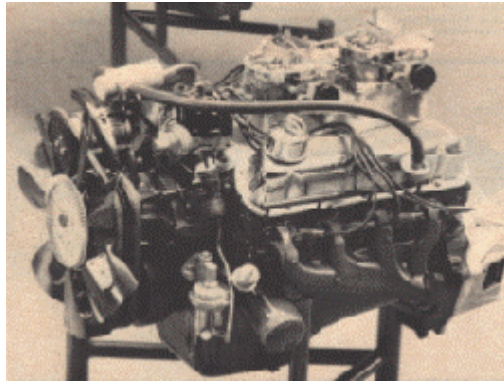
General Specifications
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	406 CID
foundry group	Ford-Edsel (FE)

maximum horsepower	385 Bhp @ 5,800rpm ("B"-series) 405 Bhp @ 5,800rpm ("G"-series)
maximum torque	444 lbs./ft. @ 3,400rpm ("B"-series) 448 lbs./ft. @ 3,500rpm ("G"-series)
maximum standard bore x stroke	4.134" x 3.784"
heavy-duty mains?	crossbolted (after ~5-62)
max. compression ratio (w/ service-type gaskets)	11.4:1
combustion chamber (volume)	62.6cc - 64.6cc (before 1-29-62) 64.0cc - 67.0cc (1-29-62 to 12-17-63) 56.4cc - 61.0cc (after 12-17-63*) (all quench type)
carburetor	Holley 4150 (4V) ("B"-series") Holley 2100 (3 x 2V) ("G"-series")

	(all automatic choke)
fuel requirement	super premium
intake manifold mat'l.	aluminum
valve-train type	solid/adjustable
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566" (before 12-17-63*) 1.645" - 1.660" (after 12-17-63*)
distributor	dual-pointset mechanical advance (transistorized ignition was an option)
spark plugs	Autolite BF-32 ("G"-series) Autolite BF-42 ("B"-series)
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs.

1968 "G" 302 (8V; "Tunnel-Port")



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1968 (intro. 3-68)	Cougar*, Mustang*

General Specifications

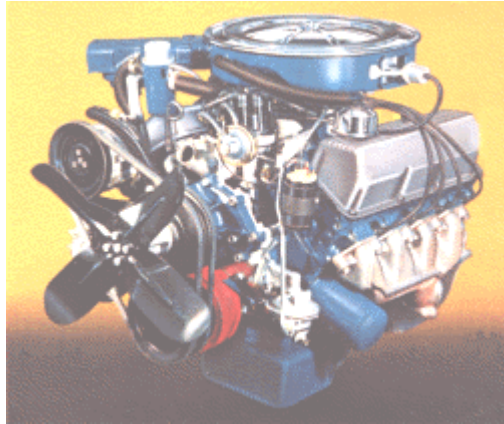
All figures taken from original Ford literature

engine type	8 cylinder
displacement	302 CID
foundry group	Small block
maximum horsepower	240 Bhp @ 5,000rpm
maximum torque	310 lbs./ft. @ 3,000rpm

maximum torque	310 lbs./ft. @ 3,000rpm
maximum standard bore x stroke	4.0004" x 3.0028"
heavy-duty mains?	4-bolt
max. compression ratio (w/ service-type gaskets)	10.5:1
combustion chamber (volume)	52.0cc - 55.0cc (quench type)
carburetor	Autolite 4300-A (2 x 4V) (automatic choke)
	Holley 4160 (2 x 4V) (manual choke)
carburetor flow-rate	Autolite = 435cfm x 2 Holley = 540cfm x 2
fuel requirement	premium
intake manifold mat'l.	aluminum
valve-train type	hydraulic
intake valve (head diameter)	2.01"
exhaust valve (head diameter)	1.53"
distributor	single-pointset vacuum advance

spark plugs	Autolite BF-32
emission controls (50 states)	Thermactor
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	475 lbs.

1969-1970 "G" 302-HO ("Boss")



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1969½ (intro. 3-69)	Cougar, Mustang
1970	Cougar*, Mustang*
1971	(see remarks **, below)

General Specifications

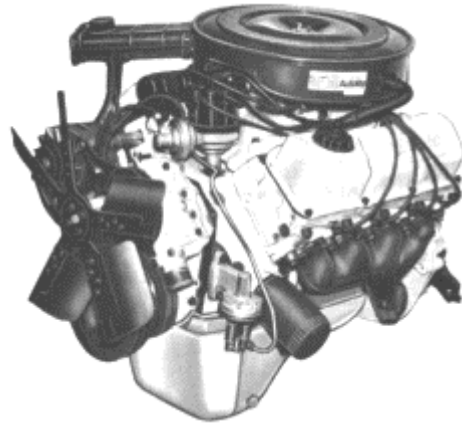
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	302 CID
foundry group	Small block

maximum horsepower	290 Bhp @ 5,800rpm***												
maximum torque	290 lbs./ft. @ 4,300rpm***												
maximum standard bore x stroke	4.0004" x 3.0028"												
max. compression ratio (service-type head gaskets)	10.5:1 (1969-70) 9.4:1 (1971**)												
heavy-duty mains?	crossbolted (all)												
combustion chamber (volume)	61.3cc - 64.3cc (69) 57.2cc - 60.0cc (70) (all quench type)												
carburetor	Holley 4150-C (4V) manual choke												
fuel requirement	premium												
intake manifold mat'l.	aluminum												
valve-train type	solid /adjustable												
camshaft specs (basic)	<table border="1"> <tr> <td>lash</td> <td>.25"</td> </tr> <tr> <td>duration (int.)</td> <td>290°</td> </tr> <tr> <td>duration (exh.)</td> <td>290°</td> </tr> <tr> <td>lift (lobe)</td> <td>.290"</td> </tr> <tr> <td>lift (valve)</td> <td>.477"</td> </tr> <tr> <td>overlap</td> <td>58°</td> </tr> </table>	lash	.25"	duration (int.)	290°	duration (exh.)	290°	lift (lobe)	.290"	lift (valve)	.477"	overlap	58°
lash	.25"												
duration (int.)	290°												
duration (exh.)	290°												
lift (lobe)	.290"												
lift (valve)	.477"												
overlap	58°												

intake valve (head diameter)	2.2225" - 2.2375" (1969) 2.185" - 2.195" (1970-71**)
exhaust valve (head diameter)	1.647" - 1.662" (early '69) 1.7075" - 1.7125" (1969-70) 1.7045" - 1.7145" (1971**)
distributor	dual-pointset vacuum advance
spark plugs	Autolite AF-32 (69-70) Autolite ARF-32 (71**)
rpm governor limit?	5950 - 6050rpm (69) 6050 - 6150rpm (70)
emission controls (50 states)	Thermactor
dimensions (less air cleaner & exhaust)	28"L x 27"W x 30"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	480 lbs.

1970-1973 "H" 351c (2V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1970 - 73	Cougar, Galaxie, Montego, Mustang, Torino
1970½	Falcon

General Specifications

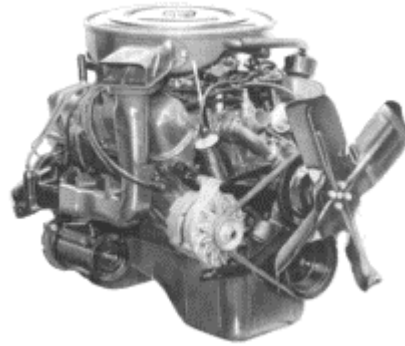
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	351 CID
foundry group	Cleveland
maximum	250 Bhp @ 4,600rpm*

horsepower	(1970) 240 Bhp @ 4,600rpm* (1971) 177 Rhp @ 4,000rpm** (1972) 163 Rhp @ 3,800rpm** (1973)
maximum torque	355 lbs./ft. @ 2,600rpm* (1970) 350 lbs./ft. @ 2,600rpm* (1971) 284 lbs./ft. @ 2,000rpm** (1972) 258 lbs./ft. @ 2,000rpm** (1973)
maximum standard bore x stroke	4.00" x 3.50"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	9.5:1 (70) 9.0:1 (71) 8.6:1 (72) 8.5:1 (73)
combustion chamber (volume)	76.9cc - 79.9cc ("open" type)
carburetor	Autolite 2100 (2V)
fuel requirement	regular
intake manifold mat'l.	cast iron

valve-train type	hydraulic
intake valve (head diameter)	1.946" - 2.046"
exhaust valve (head diameter)	1.6495" - 1.6595"
distributor	single-pointset vacuum advance
spark plugs	Autolite AF-42
emission controls (CA only)	IMCO (with A/T, only) NOx system
emission controls (49 states)	IMCO (with A/T, only)
dimensions (less air cleaner & exhaust)	28"L x 27"W x 30"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	525 lbs.

1969-1973 "H" 351w (2V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1969	Cougar, Fairlane Montego, Mustang
1970	Cougar, Galaxie Montego, Mustang, Torino
1970½	Falcon
1971	Cougar, Galaxie, Montego, Mustang, Torino
1972 - 73	Cougar*, Galaxie, Montego*, Mustang*, Torino*

General Specifications

All figures taken from original Ford literature

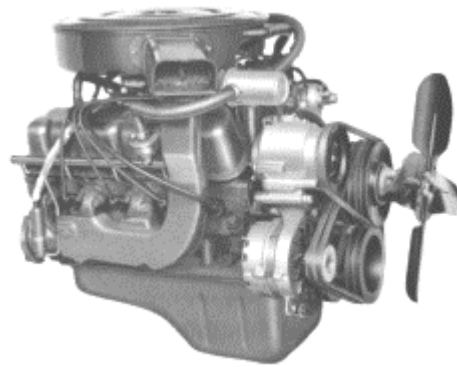
engine type	8 cylinder 90 degree, OHV
displacement	351 CID
foundry group	Windsor
maximum horsepower	250Bhp @ 4,600rpm** (69/70) 240Bhp @ 4,600rpm** (71) 153Rhp @ 3,800rpm**** (72/73)
maximum torque	355 lbs./ft. @ 2,600rpm** (69/70) 350 lbs./ft. @ 2,600rpm** (71) 266 lbs./ft. @ 2,000rpm*** (72/73)
maximum standard bore x stroke	4.00" x 3.50"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	9.5:1 (69/70) 9.0:1 (71) 8.3:1 (72/73)
combustion chamber (volume)	58.9cc - 61.9cc (quench type)
carburetor	Autolite 2100 (2V)
fuel requirement	regular

intake manifold mat'l.	cast iron														
valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>256°</td> </tr> <tr> <td>duration (exh.)</td> <td>270°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.260"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.278"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.425"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.450"</td> </tr> <tr> <td>overlap</td> <td>.33°</td> </tr> </table>	duration (int.)	256°	duration (exh.)	270°	lift (lobe/int.)	.260"	lift (lobe/exh.)	.278"	lift (valve/int.)	.425"	lift (valve/exh.)	.450"	overlap	.33°
duration (int.)	256°														
duration (exh.)	270°														
lift (lobe/int.)	.260"														
lift (lobe/exh.)	.278"														
lift (valve/int.)	.425"														
lift (valve/exh.)	.450"														
overlap	.33°														
intake valve (head diameter)	1.834" - 1.849"														
exhaust valve (head diameter)	1.533" - 1.548"														
distributor	single-pointset vacuum advance														
spark plugs	Autolite BF-32 (69) Autolite BF-42 (70) Autolite BRF-42 (71/73)														
emission controls (CA only)	IMCO (with A/T, only) NOx (1971-up)														
emission controls (49 states)	IMCO (with A/T, only)														
dimensions (less air cleaner & exhaust)	28"L x 27"W x 30"H														

nominal weight
(less alt., starter, fan,
belts, & air cleaner)

510 lbs.

1968 "J" 302 (4V)



Known Domestic Applications **Ford & Lincoln-Mercury Car Divisions, only**

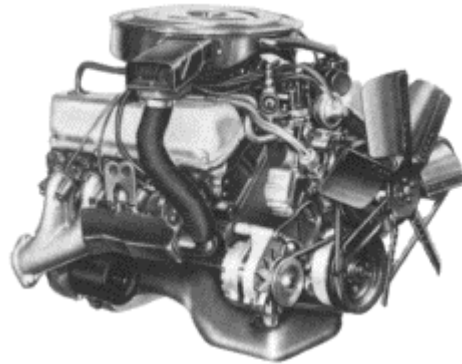
Model-years	Car lines involved
1968	Cougar, Falcon, Mustang Shelby-Mustang GT350

General Specifications **All figures taken from original Ford literature**

engine type	8 cylinder 90 degree, OHV
displacement	302 CID
foundry group	Small block
maximum horsepower	230 Bhp @ 4,800rpm 250 Bhp @ 4,800rpm (Shelby, only)
maximum torque	310 lbs./ft. @ 2,800rpm
maximum standard bore x stroke	4.0004" x 3.0028"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	10.5:1
combustion chamber (volume)	52.0cc - 55.0cc (quench type)
carburetor	Autolite 4300-A (4V) squarebore (automatic choke)
fuel requirement	premium
intake manifold mat'l.	cast iron (aluminum, GT350 only)*

valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>266°</td> </tr> <tr> <td>duration (exh.)</td> <td>244°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.230"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.237"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.360"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.380"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	266°	duration (exh.)	244°	lift (lobe/int.)	.230"	lift (lobe/exh.)	.237"	lift (valve/int.)	.360"	lift (valve/exh.)	.380"	overlap	.36°
duration (int.)	266°														
duration (exh.)	244°														
lift (lobe/int.)	.230"														
lift (lobe/exh.)	.237"														
lift (valve/int.)	.360"														
lift (valve/exh.)	.380"														
overlap	.36°														
intake valve (head diameter)	1.773" - 1.788"														
exhaust valve (head diameter)	1.442" - 1.457"														
distributor	single-pointset vacuum advance														
spark plugs	Autolite BF-42														
emission controls (50 states)	IMCO (A/T, only) Thermactor (S/T, only)														
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H														
nominal weight (less alt., starter, fan, belts, & air cleaner)	465 lbs.														

1970-1971 "C" 429-CJ
1970-1971 "J" 429-CJ/R (incl. "Ram-air") **



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1970	Torino, Montego
1970½	Falcon
1971	Cougar, Torino Montego, Mustang

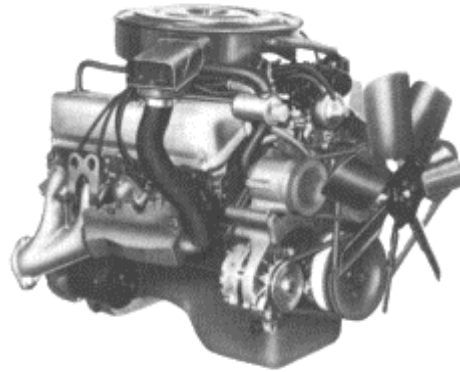
General Specifications
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	429 CID

foundry group	385 "Lincoln"
maximum horsepower	370Bhp @ 5,600rpm
maximum torque	450 lbs./ft. @ 3,400rpm
maximum standard bore x stroke	4.362" x 3.590"
heavy-duty mains?	2-bolt standard (1970) 4-bolt, except #1 jrnl. (1971)
max. compression ratio (w/ factory-type gaskets)	11.3:1
combustion chamber (volume)	71.8cc - 74.8cc (quench type)
carburetor	Rochester (4V) automatic choke
fuel requirement	premium
intake manifold mat'l.	cast iron
valve-train type	hydraulic/adjustable before 11-69 hydraulic/non-adjustable after 11-69
intake valve (head diameter)	2.242" - 2.248"

exhaust valve (head diameter)	1.722" - 1.728"
distributor	dual-pointset (all S/T, exc. 71 Tor./Mont.) single-pointset (all A/T) (1971 Torino/Montego - S/T)
	all vacuum advance
spark plugs	Autolite AF-32 (70) Autolite ARF-32 (71)
rpm governor limit?	6050 - 6150rpm (with S/T, only)
emission controls (CA only)	IMCO (with A/T, only) NOx (1971)
emission controls (49 states)	IMCO (with A/T, only)
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	565 lbs.

1970-71 "C" 429-SCJ *
1970-71 "J" 429-SCJ/R (incl. Ram-air)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1970	Torino, Montego
1970½	Falcon
1971	Cougar, Torino Montego, Mustang

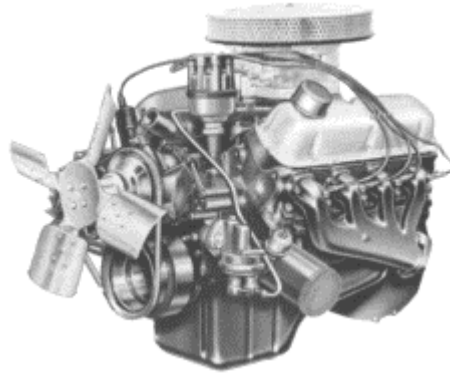
General Specifications
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	429 CID

foundry group	385 "Lincoln"
maximum horsepower	375 Bhp @ 5,600rpm
maximum torque	450 lbs./ft. @ 3,400rpm
maximum standard bore x stroke	4.362" x 3.590"
heavy-duty mains?	4-bolt (all)
max. compression ratio (w/ factory-type gaskets)	11.3:1
combustion chamber (volume)	71.8cc - 74.8cc (quench type)
carburetor	Holley 4150-C (4V) automatic choke
fuel requirement	premium
intake manifold mat'l.	cast iron
valve-train type	solid /adjustable
intake valve (head diameter)	2.242" - 2.248"
exhaust valve (head diameter)	1.722" - 1.728"
distributor	dual-pointset (all S/T, exc. 71 Tor./Mont.) single-pointset

	(all A/T) (1971 Torino/Montego - S/T)
	all vacuum advance
spark plugs	Autolite AF-32 (70) Autolite ARF-32 (71)
rpm governor limit?	5700 - 5800 rpm (1970 Torino/Montego)
	6050 - 6150rpm (1971 Torino/Montego; S/T) (1971 Mustang; S/T)
emission controls (50 states)	Thermactor
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs.

1963-67 "K" 289hp



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1963½ (intro. 2-63)	Fairlane Shelby/AC Cobra
1964	Fairlane, Comet* Shelby/AC Cobra
1965	Fairlane, Mustang Shelby/AC Cobra Shelby-Mustang GT350
1966	Comet, Mustang Shelby-Mustang GT350 Shelby/AC Cobra
1967	Mustang Shelby-Mustang GT350

General Specifications

All figures taken from original Ford literature

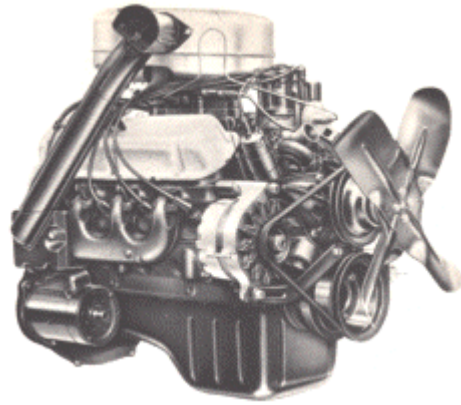
engine type	8 cylinder 90 degree, OHV
displacement	289 CID
foundry group	Fairlane V-8
maximum horsepower	271 Bhp @ 6,000rpm 306 Bhp @ 6,000rpm (GT350, only)
maximum torque	312 lbs./ft. @ 3,400rpm 329 lbs./ft. @ 4,200rpm (GT350, only)
maximum standard bore x stroke	4.005" x 2.87"
heavy-duty mains?	yes (standard bolts)
max. compression ratio (w/ service-type gaskets)	11.1:1 (before 4-64) 10.5:1 (from 4-64)
combustion chamber (volume)	47.7cc - 50.7cc (before 4-64) 53.0cc - 56.0cc (from 4-64) (all quench type)

carburetor	Autolite 4100 (4V) auto. choke (63/64) manual choke (65/67) Holley 4150-C (4V) (Shelby only, man. choke)												
fuel requirement	premium (63) super premium (64/65) premium (66/67)												
intake manifold mat'l.	cast iron (aluminum, Shelby only)												
valve-train type	solid /adjustable												
camshaft specs (basic)	<table border="1"> <tr> <td>lash</td> <td>.19"</td> </tr> <tr> <td>duration (int.)</td> <td>.310°</td> </tr> <tr> <td>duration (exh.)</td> <td>.310°</td> </tr> <tr> <td>lift (lobe)</td> <td>.298"</td> </tr> <tr> <td>lift (valve)</td> <td>.310"</td> </tr> <tr> <td>overlap</td> <td>82°</td> </tr> </table>	lash	.19"	duration (int.)	.310°	duration (exh.)	.310°	lift (lobe)	.298"	lift (valve)	.310"	overlap	82°
lash	.19"												
duration (int.)	.310°												
duration (exh.)	.310°												
lift (lobe)	.298"												
lift (valve)	.310"												
overlap	82°												
intake valve (head diameter)	1.663" - 1.678" (before 4-64) 1.773" - 1.788" (from 4-64)												
exhaust valve (head diameter)	1.442" - 1.457"												

distributor	dual-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (50 states)	Thermactor (from 1-67)
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	465 lbs.



1962-1963 "L" 221 (2V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1962	Shelby/AC Cobra Comet, Fairlane
1963	Shelby/AC Cobra Comet, Fairlane Falcon, Galaxie, Meteor

General Specifications

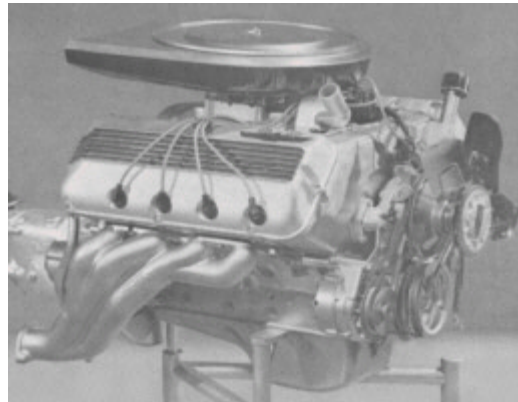
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	260 CID

foundry group	Fairlane V-8										
maximum horsepower	145Bhp @ 4,500rpm										
maximum torque	217 lbs./ft. @ 2,200rpm										
maximum standard bore x stroke	3.50" x 2.87"										
heavy-duty mains?	n/a										
nominal compression ratio	8.7:1										
combustion chamber (volume)	43.6cc - 46.6cc (quench type)										
carburetor	Autolite 2100 (2V) automatic choke										
fuel requirement	regular										
intake manifold mat'l.	cast iron										
valve-train type	hydraulic										
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>252°</td> </tr> <tr> <td>duration (exh.)</td> <td>252°</td> </tr> <tr> <td>lift (lobe)</td> <td>.238"</td> </tr> <tr> <td>lift (valve)</td> <td>.380"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	252°	duration (exh.)	252°	lift (lobe)	.238"	lift (valve)	.380"	overlap	.36°
duration (int.)	252°										
duration (exh.)	252°										
lift (lobe)	.238"										
lift (valve)	.380"										
overlap	.36°										
intake valve (head diameter)	1.592" - 1.608"										

exhaust valve (head diameter)	1.392" - 1.408"
distributor	single-pointset vacuum advance
spark plugs	Autolite BF-42
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	28"L x 25"W x 29"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	460 lbs.

**427 SOHC "D" (8V)
427 SOHC "L" (4V)**



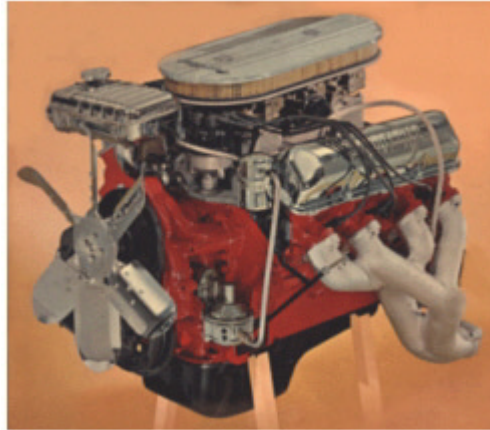
General Specifications

All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	427 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	616 Bhp @ 7,000rpm (4V) 657 Bhp @ 7,500rpm (8V)
maximum torque	515 lbs./ft. @ 3,800rpm (4V) 575 lbs./ft. @ 4,200rpm (8V)
maximum standard bore x stroke	4.232" x 3.784"
heavy-duty mains?	crossbolted
compression ratio	12.0:1

(advertised**)	
combustion chamber (volume)	118.5cc - 121.5cc hemispherical type)
carburetor	Holley 4150-C (4V - 710cfm) Holley 4160 (8V - 2 @ 780cfm)
fuel requirement	super premium
intake manifold mat'l.	aluminum
valve-train type	solid/adjustable
intake valve (head diameter)	2.235" - 2.265"
exhaust valve (head diameter)	1.938" - 1.968"
distributor	dual-pointset mechanical advance
	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (50 states)	n/a
assembled weight	680 lbs.

**1961-62 "Z" 390 (4V)
1962-63 "M" 390 (6V; "Super High Performance")**



**Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only**

Model-years	Car lines involved
1961	Galaxie, Mercury ("Z"-series, only)
1962	Galaxie, Mercury ("M"-series, bef. 3-62) ("Z"-series, from 3-62)
	Thunderbird ("M"-series, only)
1963	Thunderbird ("M"-series, only)

General Specifications

All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	390 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	375 Bhp @ 6,000rpm (1961 - 62; 4V)
	401 Bhp @ 6,000rpm (1961 - 62; 6V)
	340 Bhp @ 5,000rpm (1963; 6V)
maximum torque	427 lbs./ft. @ 3,400rpm (1961 - 62; 4V)
	430 lbs./ft. @ 3,500rpm (1961 - 62; 6V)
	430 lbs./ft. @ 3,200rpm (1963)
maximum standard bore x stroke	4.052" x 3.784"
heavy-duty mains?	n/a
compression ratio (as advertised*)	10.6:1 (1961 - 62; all) 10.5:1 (1963)

combustion chamber (volume)	59.7cc - 62.7cc (1961 - 62; all) 65.5cc - 68.5cc (1963)
	(all quench type)
carburetor	Holley 4150-C (4V)
	Holley 2100-C (3 x 2V) (automatic choke)
fuel requirement	super premium
intake manifold mat'l.	aluminum
valve-train type	"M" - hydraulic "Z" - solid/adjustable
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566"
distributor	dual-pointset mechanical advance (1961 - 62; all)
	single-pointset vacuum advance (1963)
spark plugs	Autolite BF-32

emission controls
(50 states)

n/a

dimensions
(less air cleaner & exhaust)

30"L x 27"W x 24"H

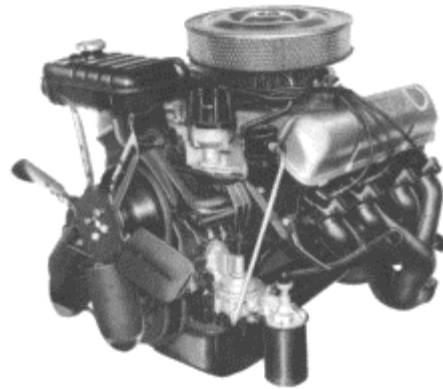
nominal weight
(less alt., starter, fan,
belts, & air cleaner)

600 lbs.



1963-64 "Q" (4V)
1963 - 67 "R" (8V)*

1965 "M" (8V)
1966 - 67 "W" (4V)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
<p>1963 (intro. 2-63)</p> <p>"LR" units RPO "HR" units LPO</p> <p>Galaxie, Mercury - "Q" & "R"</p>	
<p>1964</p> <p>"LR" units RPO "HR" units LPO</p>	<p>Galaxie, Mercury - "Q" & "R"</p> <p>Fairlane "Thunderbolt" - "R" (LPO, only)</p>
<p>1965</p>	<p>Galaxie - "R"</p>

"HR" units RPO (bef. 3-65) "MR" units RPO (from 3-65)	Shelby/AC Cobra - "R" Mercury - "M"
1966 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W"
1967 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W" Shelby Mustang GT500**
1968 [click for unique specs.]	

General Specifications

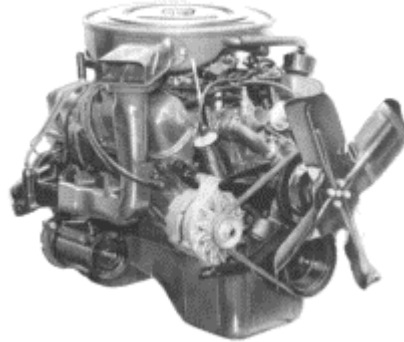
All figures taken from original Ford literature

engine type	8 cylinder 90 degree. OHV
displacement	427 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	410 Bhp @ 5,600rpm (4V) 425 Bhp @ 6,000rpm (8V)
maximum torque	476 lbs./ft. @ 3,400rpm (4V) 480 lbs./ft. @ 3,700rpm (8V)
maximum standard	4 232" x 3 784"

maximum standard bore x stroke	4.232" x 3.784"
heavy-duty mains?	crossbolted (all)
advertised* compression ratio	11.6:1 (all 1963 - 64) 10.0:1 (Mercury only) 11.0:1 (most 1965 - 67)
combustion chamber (volume)	64.0cc - 67.0cc ("LR" before 3-15 - 63) 72.8cc - 75.8cc ("LR" after 3-15-63) 73.2cc - 76.3cc (all "HR") 88.0cc - 91.0cc (all "MR") [all quench type]
carburetor	Holley 4150 (4V; "Q"-series) Holley 4150-C (4V; "W"-series) Holley 4160 (2 @ 4V; "M" & "R"-series)
fuel requirement	all automatic choke super premium (63/65) premium (66/67)
intake manifold mat'l.	aluminum

valve-train type	solid /adjustable
intake valve (head diameter)	2.022" - 2.037" ("LR" before 3-15-63) 2.082" - 2.097" ("LR" from 3-63 thru 1964) 2.185" - 2.195" (all "MR" & "HR")
exhaust valve (head diameter)	1.645" - 1.660" (all "LR") 1.723" - 1.733" (all "MR" & "HR")
distributor	dual-pointset mechanical advance
	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs. (4V - 1967) 600 lbs. (8V - 1967)

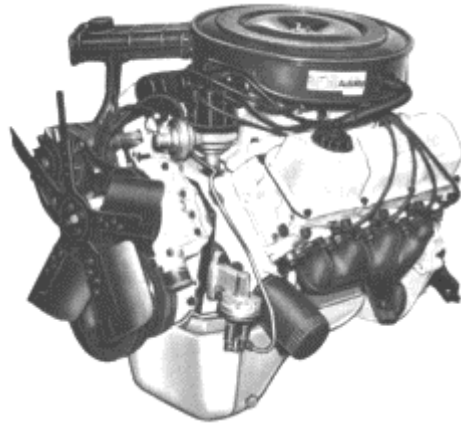
1969 "M" 351w (4V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1969	Cougar, Fairlane Montego, Mustang Shelby-Mustang GT350
1970	Shelby-Mustang GT350

1970-1973 "M" 351c (4V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1970	Cougar, Montego, Mustang, Torino
1970½	Falcon
1971	Cougar, Montego, Mustang, Torino
1972 - 73 (see 351 CJ specs)	

General Specifications

All figures taken from original Ford literature

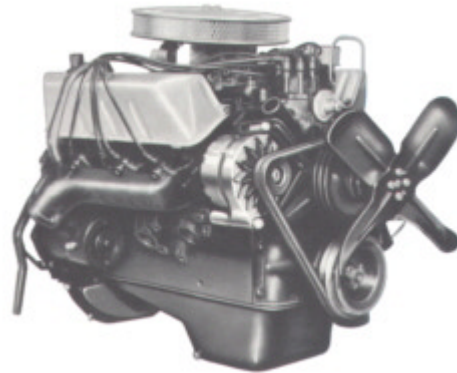
engine type

8 cylinder

	90 degree, OHV
displacement	351 CID
foundry group	Cleveland
maximum horsepower	300 Bhp @ 5,400rpm
maximum torque	380 lbs./ft. @ 3,400rpm
maximum standard bore X stroke	4.00" x 3.50"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	11.0:1
combustion chamber (volume)	61.3cc - 64.3cc (1970 - quench type) 64.6cc - 67.6cc (1971 - quench type)
carburetor	Autolite 4300-A (4V) squarebore (automatic choke)
fuel requirement	premium
intake manifold mat'l.	cast iron
valve-train type	hydraulic
camshaft specs (basic)	duration (int.) 268°
	lift (lobe/exh.) .262"

	lift (lobe/int.)	.247"
	lift (lobe/exh.)	.262"
	lift (valve/int.)	.420"
	lift (valve/exh.)	.450"
	overlap	.37°
intake valve (head diameter)	2.185" - 2.195"	
exhaust valve (head diameter)	1.7045" - 1.7145"	
distributor	single-pointset vacuum advance	
spark plugs	Autolite AF-42	
emission controls (CA only)	IMCO (with A/T, only) NO _x system	
emission controls (49 states)	IMCO (with A/T, only)	
nominal weight (less alt., starter, fan, belts, & air cleaner)	530 lbs.	

1962-1965 "P" 390 ("Police Interceptor")



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1962-65	Galaxie, Mercury (police cars, only)

General Specifications

All figures taken from original Ford literature

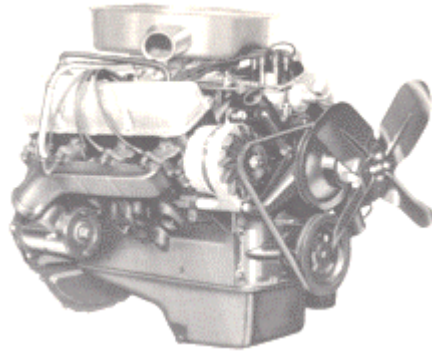
engine type	8 cylinder
displacement	390 CID
foundry group	Ford-Edsel (FE)
maximum	330 Bhp @ 5,000rpm
maximum	427 lbs./ft. @ 3,200rpm

torque	
maximum standard bore X stroke	4.052" x 3.784"
heavy-duty mains?	n/a
max. compression ratio	10.1:1
combustion chamber (volume)	71.2cc - 74.2cc (quench type)
carburetor	Autolite 4100 (automatic choke)
fuel requirement	premium
intake manifold mat'l.	cast iron
valve-train type	solid/adjustable
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566"
distributor	single-pointset vacuum advance
spark plugs	Autolite BF-32
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H

nominal weight
(less alt., starter, fan,
belts, & air cleaner)

600 lbs.

1966-1968 "Q" 428 ("7.0 Litre")
1966-1970 "P" 428 (police unit)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1966	Galaxie, Mercury - "P" & "Q"
	Thunderbird - "O"
1967	Galaxie, Mercury - "P" & "Q"

	Thunderbird - "Q" Shelby-Mustang GT500 - "Q"
1968	Galaxie, Mercury - "P" & "Q"
	Shelby-Mustang GT500 - "Q" Mustang** - "Q"
1969 - 70	Galaxie, Mercury - "P"

General Specifications

All figures taken from original Ford literature

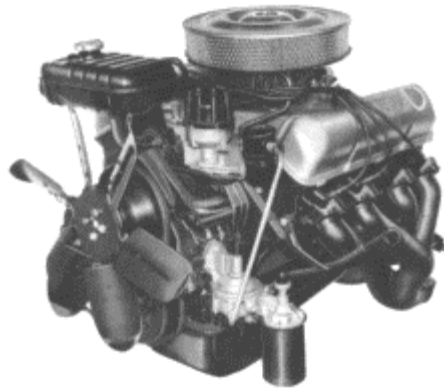
engine type	8 cylinder
displacement	428 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	345 Bhp @ 4,600rpm ("Q") 340 Bhp @ 5,400rpm ("P")
maximum torque	462*** lbs./ft. @ 2,800rpm
maximum standard bore X stroke	4.132" x 3.984"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	10.5:1

max. compression ratio (w/ service-type gaskets)	10.5:1
combustion chamber (volume)	71.2cc - 74.2cc (66 - 67) 6.71cc - 70.1cc (68) 6.81cc - 71.1cc (69-70) (all quench type)
carburetor	Autolite 4100 (4V - 66/67) Autolite 4300 (4V - 68/70) Holley 4160 (2 x 4V; '67 GT500) Holley 4150 (4V; '68 GT500) (all automatic choke)
fuel requirement	premium
intake manifold mat'l.	cast iron (all after 12/68, exc. Shelby) aluminum ("P" thru 12/68 and all Shelby)
valve-train type	hydraulic
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566"
distributor	single-pointset (vac. adv.) dual-pointset (mech. adv.) 1967 Shelby, only

	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (CA only)	Thermactor
emission controls (49 states)	Thermactor (all 1968-70)
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	560 lbs.

1963-64 "Q" (4V)
1963 - 67 "R" (8V)*

1965 "M" (8V)
1966 - 67 "W" (4V)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1963 (intro. 2-63)	
Galaxie, Mercury - "Q" & "R"	
1964	Galaxie, Mercury - "Q" & "R"
1965	Galaxie - "R" Shelby/AC Cobra - "R"

"HR" units RPO (bef. 3-65) "MR" units RPO (from 3-65)	Mercury - "M"
1966 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W"
1967 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W" Shelby Mustang GT500**
1968 [click for unique specs.]	

General Specifications

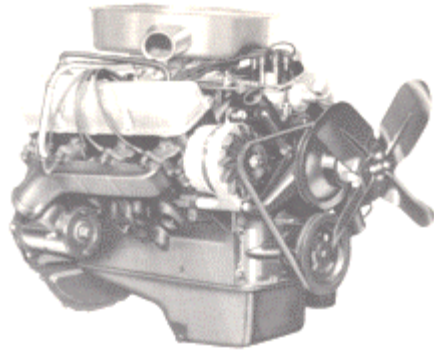
All figures taken from original Ford literature

engine type	8 cvlinder
displacement	427 CID
foundry group	Ford-Edsel (FE)
maximum	410 Bhp @ 5.600rpm (4V)
maximum	476 lbs./ft. @ 3.400rpm (4V)
maximum standard	4.232" x 3.784"
heavy-duty mains?	crossbolted (all)

heavy-duty mains?	crossbolted (all)
advertised* compression ratio	11.6:1 (all 1963 - 64) 10.0:1 (Mercury only) 11.0:1 (most 1965 - 67)
combustion chamber (volume)	64.0cc - 67.0cc ("LR" before 3-15 - 63) 72.8cc - 75.8cc ("LR" after 3-15-63) 73.2cc - 76.3cc (all "HR") 88.0cc - 91.0cc (all "MR") [all quench type]
carburetor	Holley 4150 (4V; "Q"-series) Holley 4150-C (4V; "W"-series) Holley 4160 (2 @ 4V; "M" & "R"-series) all automatic choke
fuel requirement	super premium (63/65) premium (66/67)
intake manifold mat'l.	aluminum
valve-train type	solid /adjustable
intake valve (head diameter)	2.022" - 2.037" ("LR" before 3-15-63)

	2.082" - 2.097" ("LR" from 3-63 thru 1964) 2.185" - 2.195" (all "MR" & "HR")
exhaust valve (head diameter)	1.645" - 1.660" (all "LR") 1.723" - 1.733" (all "MR" & "HR")
distributor	dual-pointset mechanical advance
	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs. (4V - 1967) 600 lbs. (8V - 1967)

1966-1968 "Q" 428 ("7.0 Litre")
1966-1970 "P" 428 (police unit)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1966	Galaxie, Mercurv - "P" & "O"
1967	Galaxie, Mercurv - "P" & "O"
1968	Galaxie, Mercurv - "P" & "O"

	Mustang** - "Q"
1969 - 70	Galaxie, Mercury - "P"

General Specifications

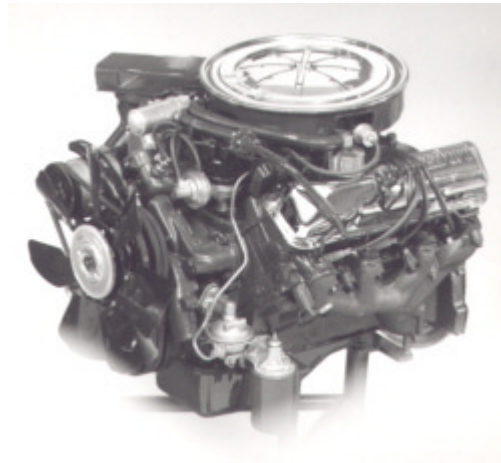
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	428 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	345 Bhp @ 4,600rpm ("Q") 340 Bhp @ 5,400rpm ("P")
maximum torque	462*** lbs./ft. @ 2,800rpm ("Q"-series) 459 lbs./ft. @ 3,200rpm

carburetor	Autolite 4100 (4V - 66/67) Autolite 4300 (4V - 68/70) Holley 4160 (2 x 4V; '67 GT500) Holley 4150 (4V; '68 GT500) (all automatic choke)
fuel requirement	premium
intake manifold mat'l.	cast iron (all after 12/68, exc. Shelby) aluminum ("P" thru 12/68 and all Shelby)
valve-train type	hydraulic
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566"
distributor	single-pointset (vac. adv.) dual-pointset (mech. adv.) 1967 Shelby, only
	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (CA only)	Thermactor

emission controls (49 states)	Thermactor (all 1968-70)
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	560 lbs.

1968 "R" 428-CJ
1969-70 "Q" 428-CJ - "R" 428-CJ/R*
1969-70 428-SCJ - 428-SCJ/R**



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1968 (intro. 3-68)	Cougar, Mustang Shelby-Mustang GT500KR

(intro. 3-68) Includes "Ram-air"	Shelby-Mustang GT500KR
1968 (intro. 3-68) <i>No</i> "Ram-air"	Fairlane, Montego
1969 - 70 Only CJ/R includes "Ram-air"	Cougar, Fairlane Montego, Mustang
1969 - 70 Includes "Ram-air"	Shelby-Mustang GT500

General Specifications

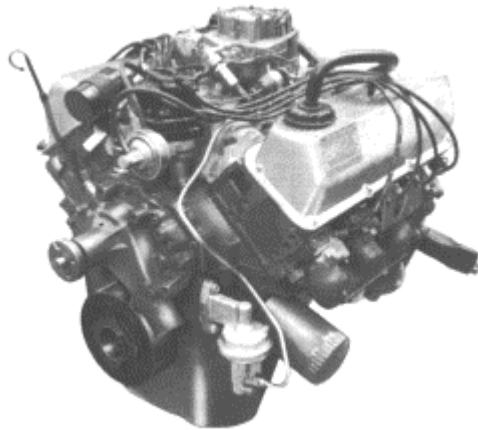
All figures taken from original Ford literature

engine type	8 cylinder
displacement	428 CID
foundry group	Ford-Edsel (FE)
maximum	335 Bhp @ 5,400rpm
maximum	440 lbs./ft. @ 3,400rpm
maximum standard	4.132" x 3.984"
heavy-duty mains?	n/a
max. compression ratio	10.6:1 (1968-1969)

(w/ service-type gaskets)	11.0:1 (1970)														
combustion chamber (volume)	72.8cc - 75.8cc (quench type)														
carburetor	Holley 4150-C (4V) auto. choke (68/69) manual choke (70)														
fuel requirement	premium														
intake manifold mat'l.	cast iron (standard) aluminum (Shelby, only)														
valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>270°</td> </tr> <tr> <td>duration (exh.)</td> <td>290°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.278"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.283"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.481"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.490"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	270°	duration (exh.)	290°	lift (lobe/int.)	.278"	lift (lobe/exh.)	.283"	lift (valve/int.)	.481"	lift (valve/exh.)	.490"	overlap	.36°
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lift (lobe/exh.)	.283"														
lift (valve/int.)	.481"														
lift (valve/exh.)	.490"														
overlap	.36°														
intake valve (head diameter)	2.082" - 2.097"														
exhaust valve (head diameter)	1.645" - 1.660"														
distributor	single-pointset (1968 - 69 - all) (1970 - A/T, only)														

	dual-pointset (1970 - S/T, only)
	all vacuum advance
spark plugs	Autolite BF-32
rpm governor limit?	6050 - 6150rpm (1970 - S/T, only)
emission controls (50 states)	Thermactor
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	610 lbs. (iron intake) 570 lbs. (aluminum intake)

1971-1972 "Q" 351-CJ*
1973-74 "Q" 351C (4V)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1971 (intro. 4-71) Most models include "Ram-air"	Cougar, Montego, Mustang, Torino
1972 - 73	Cougar, Montego, Mustang, Torino
1974	Cougar, Montego, Torino

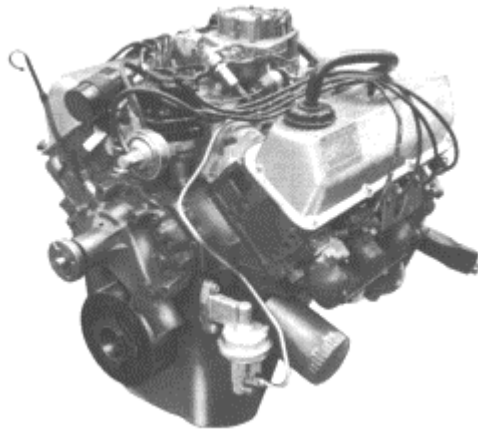
General Specifications
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	351 CID
foundry group	Cleveland
maximum horsepower	280 Bhp @ 5,800rpm** (1971) 266 Nhp @ 5,400rpm*** (1972) 259 Nhp @ 5,600rpm*** (1973-74)
maximum torque	350 lbs./ft. @ 3,800rpm** (1971) 301 lbs./ft. @ 3,600rpm*** (1972) 292 lbs./ft. @ 3,400rpm*** (1973-74)
maximum standard bore X stroke	4.002" x 3.50"
heavy-duty mains?	4-bolt (all)
max. compression ratio (w/ service-type gaskets)	9.0:1 (1971) 8.8:1**** (1972) 8.5:1 (1973-74)
combustion chamber (volume)	73.9cc - 76.9cc ("open" type)
carburetor	Autolite 4300-D (4V) spreadbore

	(automatic choke)														
fuel requirement	regular														
intake manifold mat'l.	cast iron														
valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>270°</td> </tr> <tr> <td>duration (exh.)</td> <td>290°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.278"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.283"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.481"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.490"</td> </tr> <tr> <td>overlap</td> <td>46°</td> </tr> </table>	duration (int.)	270°	duration (exh.)	290°	lift (lobe/int.)	.278"	lift (lobe/exh.)	.283"	lift (valve/int.)	.481"	lift (valve/exh.)	.490"	overlap	46°
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lift (lobe/exh.)	.283"														
lift (valve/int.)	.481"														
lift (valve/exh.)	.490"														
overlap	46°														
intake valve (head diameter)	2.185" - 2.195" (1971-72) 2.0485" - 2.0515" (1973-74)														
exhaust valve (head diameter)	1.7045" - 1.7145" (1971-72) 1.6565" - 1.6605" (1973-74)														
distributor	single-pointset vacuum advance (1973-74 with A/T, only)														
	All others: dual-pointset														

	vacuum advance
spark plugs	Autolite ARF-42
emission controls (CA only)	NO _x system IMCO (with A/T, only)
emission controls (49 states)	IMCO (with A/T, only)
nominal weight (less alt., starter, fan, belts, & air cleaner)	530 lbs.

1971-1972 "Q" 351-CJ*
1973-74 "Q" 351C (4V)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1971 (intro. 4-71) Most models include "Ram-air"	Cougar, Montego, Mustang, Torino
1972 - 73	Cougar, Montego, Mustang, Torino
1974	Cougar, Montego, Torino

General Specifications

All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	351 CID
foundry group	Cleveland
maximum horsepower	280 Bhp @ 5,800rpm** (1971) 266 Nhp @ 5,400rpm*** (1972) 259 Nhp @ 5,600rpm*** (1973-74)
maximum torque	350 lbs./ft. @ 3,800rpm** (1971) 301 lbs./ft. @ 3,600rpm*** (1972) 292 lbs./ft. @ 3,400rpm*** (1973-74)
maximum standard bore X stroke	4.002" x 3.50"
heavy-duty mains?	4-bolt (all)
max. compression ratio (w/ service-type gaskets)	9.0:1 (1971) 8.8:1**** (1972) 8.5:1 (1973-74)
combustion chamber (volume)	73.9cc - 76.9cc ("open" type)

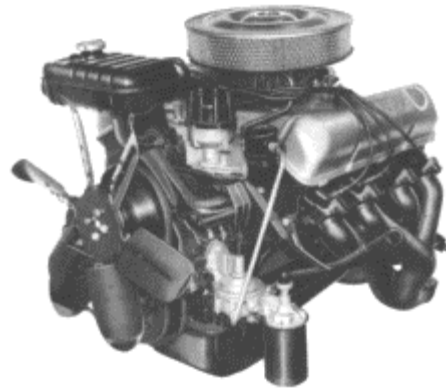
	("open" type)														
carburetor	Autolite 4300-D (4V) spreadbore (automatic choke)														
fuel requirement	regular														
intake manifold mat'l.	cast iron														
valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>270°</td> </tr> <tr> <td>duration (exh.)</td> <td>290°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.278"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.283"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.481"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.490"</td> </tr> <tr> <td>overlap</td> <td>46°</td> </tr> </table>	duration (int.)	270°	duration (exh.)	290°	lift (lobe/int.)	.278"	lift (lobe/exh.)	.283"	lift (valve/int.)	.481"	lift (valve/exh.)	.490"	overlap	46°
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lift (valve/exh.)	.490"														
overlap	46°														
intake valve (head diameter)	2.185" - 2.195" (1971-72) 2.0485" - 2.0515" (1973-74)														
exhaust valve (head diameter)	1.7045" - 1.7145" (1971-72) 1.6565" - 1.6605" (1973-74)														
distributor	single-pointset vacuum advance (1973-74 with A/T, only)														

	All others: dual-pointset vacuum advance
spark plugs	Autolite ARF-42
emission controls (CA only)	NOx system IMCO (with A/T, only)
emission controls (49 states)	IMCO (with A/T, only)
nominal weight (less alt., starter, fan, belts, & air cleaner)	530 lbs.



1963-64 "Q" (4V)
1963 - 67 "R" (8V)*

1965 "M" (8V)
1966 - 67 "W" (4V)



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
<p>1963 (intro. 2-63)</p> <hr/> <p>Galaxie, Mercury - "Q" & "R"</p>	
<p>1964</p> <p>"LR" units RPO</p>	<p>Galaxie, Mercury - "Q" & "R"</p> <hr/> <p>Fairlane "Thunderbolt" - "R"</p>
<p>1965</p> <p>"HR" units RPO (bef. 3-65)</p>	<p>Galaxie - "R"</p> <p>Shelby/AC Cobra - "R"</p>

"HR" units RPO (bef. 3-65) "MR" units RPO (from 3-65)	Shelby/AC Cobra - "R" Mercury - "M"
1966 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W"
1967 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W" Shelby Mustang GT500**
1968 [click for unique specs.]	

General Specifications

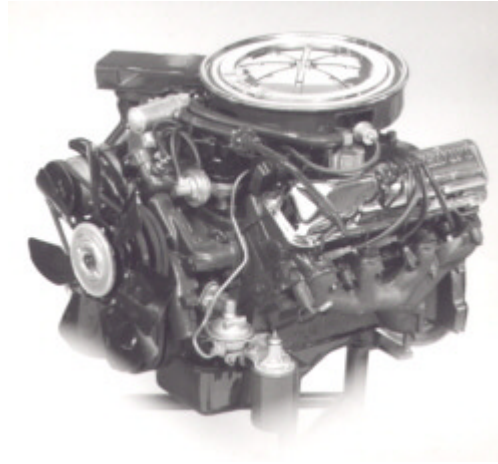
All figures taken from original Ford literature

engine type	8 cvlinder
displacement	427 CID
foundry group	Ford-Edsel (FE)
maximum	410 Bhp @ 5.600rpm (4V)
maximum	476 lbs./ft. @ 3.400rpm (4V)
maximum standard	4.232" x 3.784"

bore X stroke	
heavy-duty mains?	crossbolted (all)
advertised* compression ratio	11.6:1 (all 1963 - 64) 10.0:1 (Mercury only) 11.0:1 (most 1965 - 67)
combustion chamber (volume)	64.0cc - 67.0cc ("LR" before 3-15 - 63) 72.8cc - 75.8cc ("LR" after 3-15-63) 73.2cc - 76.3cc (all "HR") 88.0cc - 91.0cc (all "MR") [all quench type]
carburetor	Holley 4150 (4V; "Q"-series) Holley 4150-C (4V; "W"-series) Holley 4160 (2 @ 4V; "M" & "R"-series) all automatic choke
fuel requirement	super premium (63/65) premium (66/67)
intake manifold mat'l.	aluminum
valve-train type	solid /adjustable

intake valve (head diameter)	2.022" - 2.037" ("LR" before 3-15-63) 2.082" - 2.097" ("LR" from 3-63 thru 1964) 2.185" - 2.195" (all "MR" & "HR")
exhaust valve (head diameter)	1.645" - 1.660" (all "LR") 1.723" - 1.733" (all "MR" & "HR")
distributor	dual-pointset mechanical advance
	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs. (4V - 1967) 600 lbs. (8V - 1967)

1968 "R" 428-CJ
1969-70 "Q" 428-CJ - "R" 428-CJ/R*
1969-70 428-SCJ - 428-SCJ/R**



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1968 (intro. 3-68) Includes "Ram-air"	Cougar, Mustang Shelby-Mustang GT500KR
1968 (intro. 3-68) No "Ram-air"	Fairlane, Montego
1969 - 70 Only CJ/R includes "Ram-air"	Cougar, Fairlane Montego, Mustang
1969 - 70 Includes "Ram-air"	Shelby-Mustang GT500

General Specifications

All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	428 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	335 Bhp @ 5,400rpm
maximum torque	440 lbs./ft. @ 3,400rpm
maximum standard bore X stroke	4.132" x 3.984"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	10.6:1 (1968-1969) 11.0:1 (1970)
combustion chamber (volume)	72.8cc - 75.8cc (quench type)
carburetor	Holley 4150-C (4V) auto. choke (68/69) manual choke (70)
fuel requirement	premium
intake manifold mat'l.	cast iron (standard) aluminum (Shelby, only)

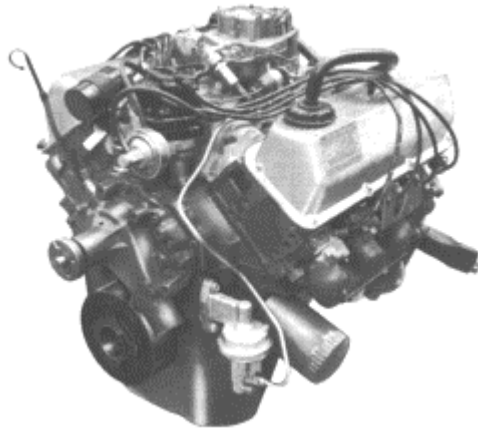
valve-train type	hydraulic														
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>270°</td> </tr> <tr> <td>duration (exh.)</td> <td>290°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.278"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.283"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.481"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.490"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </table>	duration (int.)	270°	duration (exh.)	290°	lift (lobe/int.)	.278"	lift (lobe/exh.)	.283"	lift (valve/int.)	.481"	lift (valve/exh.)	.490"	overlap	.36°
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lift (lobe/exh.)	.283"														
lift (valve/int.)	.481"														
lift (valve/exh.)	.490"														
overlap	.36°														
intake valve (head diameter)	2.082" - 2.097"														
exhaust valve (head diameter)	1.645" - 1.660"														
distributor	single-pointset (1968 - 69 - all) (1970 - A/T, only) dual-pointset (1970 - S/T, only) all vacuum advance														
spark plugs	Autolite BF-32														
rpm governor limit?	6050 - 6150rpm (1970 - S/T, only)														
emission controls (50 states)	Thermactor														
dimensions	30"L x 27"W x 24"H														

(less air cleaner & exhaust)

nominal weight
(less alt., starter, fan,
belts, & air cleaner)

610 lbs. (iron intake)
570 lbs. (aluminum intake)

1971-1972 "R" 351-HO ("Boss")



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1971 (intro. 12-70)	Mustang
1972	Mustang*

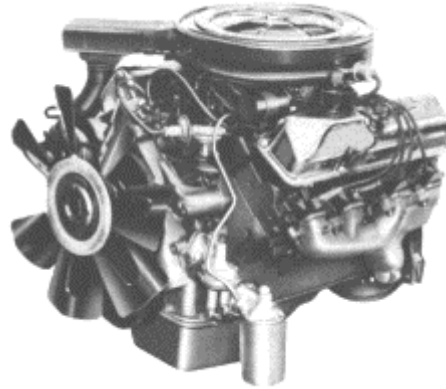
General Specifications

All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	351 CID
foundry group	Cleveland
maximum horsepower	330 Bhp @ 5,400rpm (71) 275 Rhp @ 6,000rpm* (72)
maximum torque	370 lbs./ft. @ 4,000rpm (1971) 275 lbs./ft. @ 6,000rpm* (1972)
maximum standard bore X stroke	4.002" x 3.50"
heavy-duty mains?	4-bolt (all)
max. compression ratio (w/ service-type gaskets)	11.5:1 (1971) 9.2:1 (1972)
combustion chamber (volume)	61.3cc - 64.3cc (71 - quench type) 73.9cc - 76.9cc (72 - "open" type)
carburetor	Autolite 4300-D (4V) spreadbore (automatic choke)

fuel requirement	super premium (71) premium (72)
intake manifold mat'l.	aluminum (71) cast iron (72)
valve-train type	solid /adjustable
intake valve (head diameter)	2.185" - 2.195"
exhaust valve (head diameter)	1.7045" - 1.7145"
distributor	dual-pointset vacuum advance
spark plugs	Autolite ARF-42
rpm governor limit?	6050 - 6150rpm
emission controls (CA only)	NOx
emission controls (49 states)	n/a
nominal weight (less alt., starter, fan, belts, & air cleaner)	530 lbs.

1966-1968 "S" 390-GT



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1966	Comet, Fairlane
1967	Comet, Cougar Fairlane, Mustang
1968	Cougar, Fairlane Montego, Mustang

General Specifications

All figures taken from original Ford literature

engine type

8 cylinder
90 degree, OHV

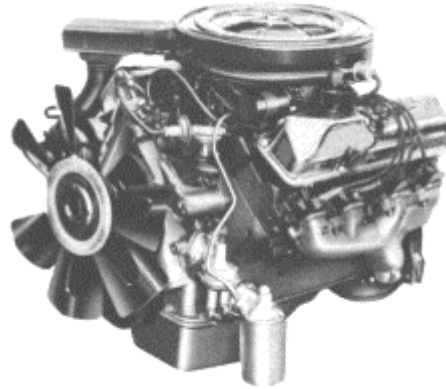
displacement

390 CID

foundry group	Ford-Edsel (FE)								
maximum horsepower	335 Bhp @ 4,800rpm (1966) 320** Bhp @ 4,800rpm (1967) 325 Bhp @ 4,800rpm (1968)								
maximum torque	427 lbs./ft. @ 3,200rpm								
maximum standard bore X stroke	4.052" x 3.784"								
heavy-duty mains?	n/a								
max. compression ratio (w/ service-type gaskets)	10.5:1								
combustion chamber (volume)	71.2cc - 74.2cc (66 - 67) 67.1cc - 70.1cc (68) (all quench type)								
carburetor	Holley 4150-C (4V) (1966 - 68) automatic choke								
fuel requirement	premium								
intake manifold mat'l.	cast iron								
valve-train type	hydraulic								
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>270°</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	duration (int.)	270°						
duration (int.)	270°								

(basic)	<table border="1"> <tbody> <tr> <td>duration (exh.)</td> <td>290°</td> </tr> <tr> <td>lift (lobe/int.)</td> <td>.278"</td> </tr> <tr> <td>lift (lobe/exh.)</td> <td>.283"</td> </tr> <tr> <td>lift (valve/int.)</td> <td>.481"</td> </tr> <tr> <td>lift (valve/exh.)</td> <td>.490"</td> </tr> <tr> <td>overlap</td> <td>.36°</td> </tr> </tbody> </table>	duration (exh.)	290°	lift (lobe/int.)	.278"	lift (lobe/exh.)	.283"	lift (valve/int.)	.481"	lift (valve/exh.)	.490"	overlap	.36°
duration (exh.)	290°												
lift (lobe/int.)	.278"												
lift (lobe/exh.)	.283"												
lift (valve/int.)	.481"												
lift (valve/exh.)	.490"												
overlap	.36°												
intake valve (head diameter)	2.022" - 2.037"												
exhaust valve (head diameter)	1.551" - 1.566"												
distributor	single-pointset vacuum advance												
spark plugs	Autolite BF-32 (before 4-68) Autolite BF-42 (after 4-68)												
emission controls (CA only)	Thermactor (1966 - 68, all)												
emission controls (49 states)	Thermactor (1968, only)												
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H												
nominal weight (less alt., starter, fan, belts, & air cleaner)	600 lbs.												

1969 "S" 390-IP



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1969	Cougar, Fairlane Montego, Mustang

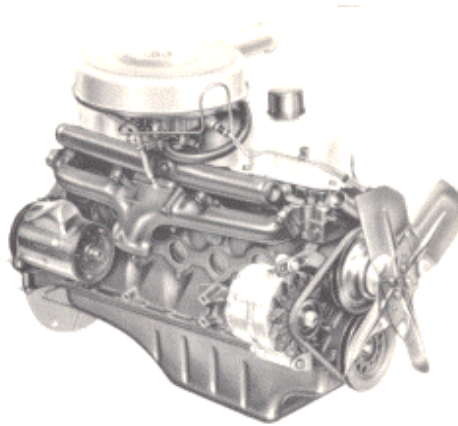
General Specifications All figures taken from original Ford literature

engine type	8 cylinder
displacement	390 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	320 Bhp @ 4,600rpm
maximum torque	427 lbs./ft. @ 3,200rpm

maximum torque	427 lbs./ft. @ 3,200rpm										
maximum standard bore X stroke	4.052" x 3.784"										
heavy-duty mains?	n/a										
max. compression ratio (w/ service-type gaskets)	10.5:1										
combustion chamber (volume)	68.1cc - 71.1cc (quench type)										
carburetor	Autolite 4300-A (4V) automatic choke										
fuel requirement	premium										
intake manifold mat'l.	cast iron										
valve-train type	hydraulic										
camshaft specs (basic)	<table border="1"> <tr> <td>duration (int.)</td> <td>256°</td> </tr> <tr> <td>duration (exh.)</td> <td>256°</td> </tr> <tr> <td>lift (lobe)</td> <td>.253"</td> </tr> <tr> <td>lift (valve)</td> <td>.438"</td> </tr> <tr> <td>overlap</td> <td>.37°</td> </tr> </table>	duration (int.)	256°	duration (exh.)	256°	lift (lobe)	.253"	lift (valve)	.438"	overlap	.37°
duration (int.)	256°										
duration (exh.)	256°										
lift (lobe)	.253"										
lift (valve)	.438"										
overlap	.37°										
intake valve (head diameter)	2.022" - 2.037"										
exhaust valve (head diameter)	1.551" - 1.566"										

distributor	single-pointset vacuum advance
spark plugs	Autolite BF-42
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	600 lbs.

1963-1973 "T" 200 (1V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1963	Comet, Fairlane Falcon, Meteor
1964	Comet, Fairlane, Falcon
1965 - 67	Comet, Fairlane Falcon, Mustang
1968	Comet, Montego Falcon, Fairlane, Mustang
1969	Falcon (exc. S/W) Fairlane, Mustang
1970	Maverick
1971 - 73	Comet, Maverick

General Specifications

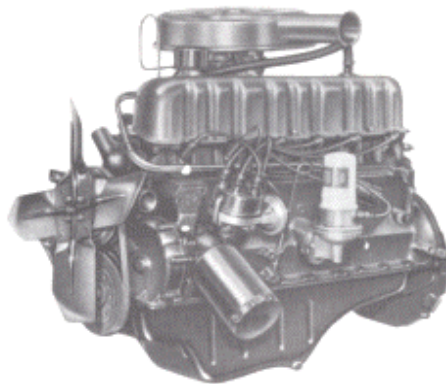
All figures taken from original Ford literature

engine type	6 cylinder inline, OHV
displacement	200 CID
foundry group	"Fairlane six"
maximum horsepower	116 Bhp @ 3,800rpm (1964) 120 Bhp @ 4,400rpm (1965 - 67) 115 Bhp @ 3,800rpm (1968 - 69) 120 Bhp @ 4,000rpm (1970) 115 Bhp @ 4,000rpm (1971) 91 Bhp @ 4,000rpm (1972-73)
maximum torque	190 lbs./ft. @ 2,400rpm (1965 - 67) 190 lbs./ft. @ 2,200rpm (1968-70) 180 lbs./ft. @ 2,200rpm (1971) 154 lbs./ft. @ 2,200rpm (1972-73)
maximum standard	3 682" x 3 126"

bore X stroke	
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	9.2:1 (1965 - 68) 8.8:1 (1969) 8.3:1 (1972-73)
combustion chamber (volume)	51.5cc - 54.0cc (quench type)
carburetor	Autolite 1100 (1V; 64 - 69) Carter YF (1V; 70-73) all automatic choke*
fuel requirement	regular
intake manifold mat'l.	n/a (integral w/ block)
valve-train type	hydraulic
intake valve (head diameter)	1.642"-1.660"
exhaust valve (head diameter)	1.381"-1.399"
distributor	single-pointset vacuum advance
spark plugs	Autolite BF-82 (1969-70) Autolite BRF-82 (1971-73)
emission controls (CA only)	Thermactor (1966 - 68) IMCO (1968-up with A/T, only) NOx (from 1971)

emission controls (49 states)	IMCO (1968-up with A/T, only) Thermactor (1968 with S/T, only)
dimensions (less air cleaner & exhaust)	33"L x 33"W x 28"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	360 lbs.

1961-1973 "U" 170 (1V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1961	Comet, Falcon
1962 - 63	Comet, Fairlane
1964	Comet, Fairlane, Falcon

1964	Comet, Fairlane, Falcon
1965	Falcon, Mustang*
1966 - 69	Falcon
1970	Maverick
1971 - 73	Comet, Maverick

General Specifications

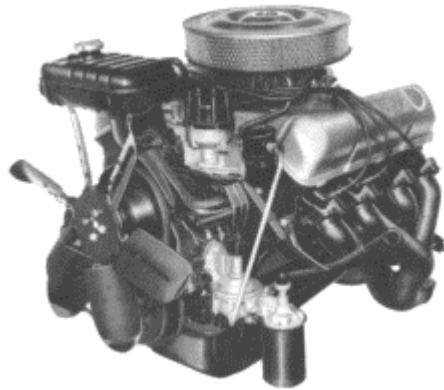
All figures taken from original Ford literature

engine type	6 cylinder inline. OHV
displacement	170 CID
foundry group	"Falcon six"
maximum horsepower	101 Bhp @ 4,400rpm (61 - 64) 105 Bhp @ 4,400rpm (65 - 69)
maximum torque	156 lbs./ft. @ 2,400rpm (1961 - 64) 158 lbs./ft. @ 2,400rpm (1965 - 69)
maximum standard bore X stroke	3.50" x 2.94"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	8.7:1 (1961 - 64) 9.1:1 (1965 - 68)

	8.7:1 (1969-71) 8.3:1 (1972-73)
combustion chamber volume	51.5cc - 54.0cc (quench type)
carburetor	Autolite 1100 (1V; 64 - 69) Carter YF (1V; 70-73) all automatic choke**
fuel requirement	regular
intake manifold mat'l.	n/a (integral w/ block)
valve-train type	hydraulic
intake valve head diameter	1.527"
exhaust valve head diameter	1.266"
distributor	single-pointset vacuum advance
spark plugs	Autolite BF-82
emission controls (CA only)	Thermactor (from 1966) IMCO (1968-up with A/T, only) NOx (from 1971)
emission controls (49 states)	IMCO (1968-up with A/T, only) Thermactor (1968 - 69 - S/T, only)
dimensions (less air cleaner & exhaust)	33"L x 33"W x 28"H
nominal weight	

(less alt., starter, fan,
belts, & air cleaner)

1963-64 "Q" (4V) **1965 "M" (8V)**
1963 - 67 "R" (8V)* **1966 - 67 "W" (4V)**



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1963	
Galaxie, Mercury - "Q" & "R"	
1964	Galaxie, Mercurv - "O" & "R"

"HR" units LPO	(LPO, only)
1965 "HR" units RPO (bef. 3-65) "MR" units RPO (from 3-65)	Galaxie - "R" Shelby/AC Cobra - "R" Mercury - "M"
1966 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W"
1967 "MR" units RPO	Comet, Fairlane Galaxie, Mercury Shelby/AC Cobra - "R" & "W" Shelby Mustang GT500**
1968 [click for unique specs.]	

General Specifications

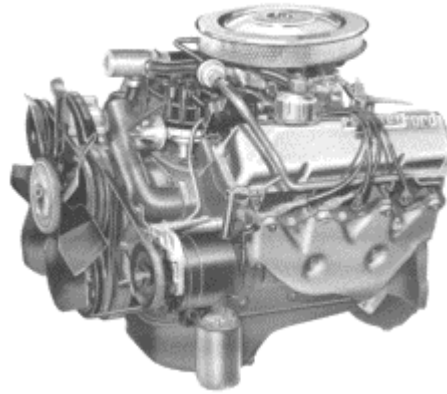
All figures taken from original Ford literature

engine type	8 cvlinder
displacement	427 CID
foundry group	Ford-Edsel (FE)
maximum	410 Bhp @ 5.600rpm (4V)
maximum	476 lbs./ft. @ 3.400rpm (4V)

torque	480 lbs./ft. @ 3,700rpm (8V)
maximum standard bore X stroke	4.232" x 3.784"
heavy-duty mains?	crossbolted (all)
advertised* compression ratio	11.6:1 (all 1963 - 64) 10.0:1 (Mercury only) 11.0:1 (most 1965 - 67)
combustion chamber (volume)	64.0cc - 67.0cc ("LR" before 3-15 - 63) 72.8cc - 75.8cc ("LR" after 3-15-63) 73.2cc - 76.3cc (all "HR") 88.0cc - 91.0cc (all "MR") [all quench type]
carburetor	Holley 4150 (4V; "Q"-series) Holley 4150-C (4V; "W"-series) Holley 4160 (2 @ 4V; "M" & "R"-series) all automatic choke
fuel requirement	super premium (63/65) premium (66/67)
intake manifold mat'l.	aluminum

valve-train type	solid /adjustable
intake valve (head diameter)	2.022" - 2.037" ("LR" before 3-15-63) 2.082" - 2.097" ("LR" from 3-63 thru 1964) 2.185" - 2.195" (all "MR" & "HR")
exhaust valve (head diameter)	1.645" - 1.660" (all "LR") 1.723" - 1.733" (all "MR" & "HR")
distributor	dual-pointset mechanical advance
	<u>Transistor ignition option:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	590 lbs. (4V - 1967) 600 lbs. (8V - 1967)

1968 "W" 427 (4V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1968	Comet*, Cougar, Fairlane*, Galaxie*, Mercury*, Mustang*, Shelby-Mustang GT-500*

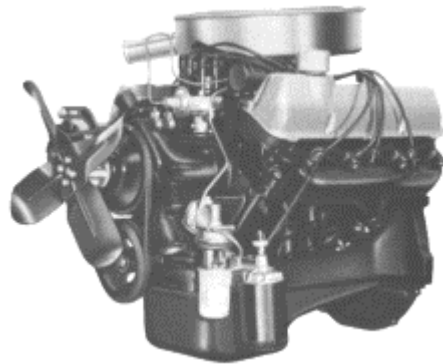
General Specifications All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	427 CID
foundry group	Ford-Edsel (FE)

maximum horsepower	390 Bhp @ 5,600rpm
maximum torque	460 lbs./ft. @ 3,200rpm
maximum standard bore X stroke	4.232" x 3.784"
heavy-duty mains?	n/a**
advertised* compression ratio	10.9:1
combustion chamber (volume)	72.8cc - 75.8cc
carburetor	Holley 4150 automatic choke
fuel requirement	premium
intake manifold mat'l.	cast iron (after 12/68) aluminum (thru 12/68)
valve-train type	hydraulic
intake valve (head diameter)	2.082" - 2.097"
exhaust valve (head diameter)	1.645" - 1.660"
distributor	single-pointset vacuum advance

spark plugs	Autolite BF-32
emission controls (50 states)	Thermactor
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	675 lbs.

1965 "X" 352 (4V; "Power Option")



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

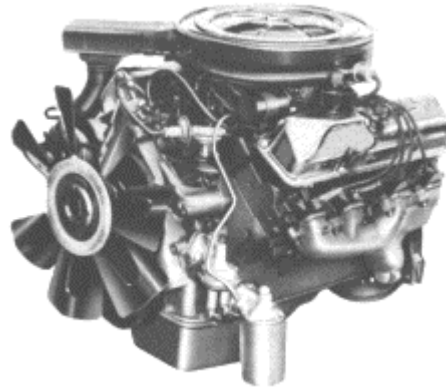
Model-years	Car lines involved
1964 - 66	Galaxie

General Specifications
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	352 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	250 Bhp @ 4,400rpm
maximum torque	352 lbs./ft. @ 2,800rpm
maximum standard bore X stroke	4.00" x 3.52"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	9.3:1
combustion chamber (volume)	71.2cc - 74.2cc (quench type)
carburetor	Autolite 4100 (4V) automatic choke
fuel requirement	regular
intake manifold mat'l.	cast iron
valve-train type	hydraulic
intake valve (head diameter)	2.022" - 2.037"
exhaust valve	1.551" - 1.566"

(head diameter)	
distributor	single-pointset vacuum advance
spark plugs	Autolite BF-32
emission controls (CA only)	Thermactor (1966, only)
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
emission controls (49 states)	n/a
nominal weight (less alt., starter, fan, belts, & air cleaner)	600 lbs.

1966-1969 "X" 390 (2V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1968 (intro. @ 12-67)	Cougar, Mustang, Mercury

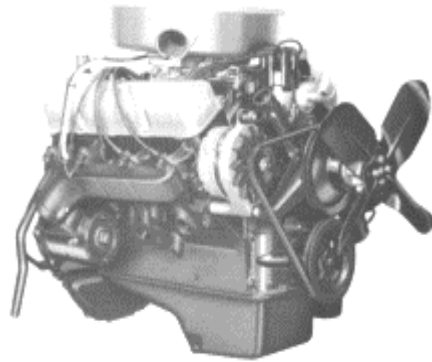
General Specifications All figures taken from original Ford literature

series 4-cyl	8-cyl in-line
displacement	390 cc
found in years	Ford, Edsel (FE)
maximum	280 hp @ 4,400rpm

horsepower	
maximum torque	403 lbs./ft. @ 2,600rpm
maximum standard bore X stroke	4.052" x 3.784"
heavy-duty mains?	n/a
max. compression ratio (w/ service-type gaskets)	10.5:1
combustion chamber (volume)	67.1cc - 70.1cc (quench type)
carburetor	Autolite 2100 (2V) automatic choke
fuel requirement	premium
intake manifold mat'l.	cast iron
valve-train type	hydraulic
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566"
distributor	single-pointset vacuum advance
spark plugs	Autolite BF-32
emission controls	IMCO

(50 states)	
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	595 lbs.

1961-1968 "Z" 390 (4V)



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1961	Galaxie, Mercury, Thunderbird
1962 - 65	Galaxie, Mercury, Thunderbird
1966	Comet, Galaxie Mercury, Thunderbird

1966	Comet, Galaxie Mercury, Thunderbird
1967 - 68	Galaxie, Mercury, Thunderbird

General Specifications

All figures taken from original Ford literature

engine type	8 cylinder
displacement	390 CID
foundry group	Ford-Edsel (FE)
maximum	300 Bhp @ 4,600rpm
maximum	427 lbs./ft. @ 2,800rpm
maximum standard	4.052" x 3.784"
heavy-duty mains?	n/a
max. compression ratio	9.6:1 (61/63)
combustion chamber	71.2cc - 74.2cc (61/67)

	(all quench type)
carburetor	Autolite 4100 (4V - 61/67) Autolite 4300 (4V - 68)
	(all automatic choke)
fuel requirement	premium
intake manifold mat'l.	cast iron
valve-train type	hydraulic
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566"
distributor	single-pointset vacuum advance
	<u>Transistor ignition option, 1962-67:</u> single-pointset mechanical advance
spark plugs	Autolite BF-32
emission controls (CA only)	IMCO (1968 with A/T, only) Thermactor (from 1966)
emission controls (49 states)	IMCO (1968 with A/T, only) Thermactor (1968 with S/T, only)

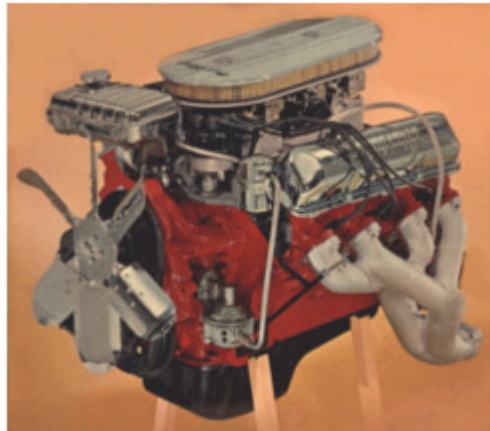
dimensions
(less air cleaner & exhaust)

30"L x 27"W x 24"H

nominal weight
(less alt., starter, fan,
belts, & air cleaner)

600 lbs.

**1961-62 "Z" 390 (4V)
1962-63 "M" 390 (6V; "Super High
Performance")**



Known Domestic Applications
Ford & Lincoln-Mercury Car Divisions, only

Model-years

Car lines involved

1962	Galaxie, Mercury ("M"-series, bef. 3-62) ("Z"-series, from 3-62)
	Thunderbird ("M"-series, only)
1963	Thunderbird ("M"-series, only)

General Specifications

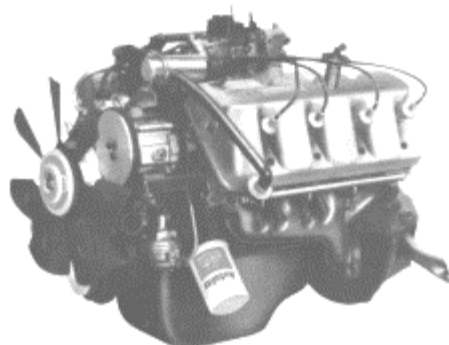
All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	390 CID
foundry group	Ford-Edsel (FE)
maximum horsepower	375 Bhp @ 6,000rpm (1961 - 62; 4V)
maximum torque	427 lbs./ft. @ 3,400rpm (1961 - 62; 4V)

	(1961 - 62; 6V) 430 lbs./ft. @ 3,200rpm (1963)
maximum standard bore X stroke	4.052" x 3.784"
heavy-duty mains?	n/a
compression ratio (as advertised*)	10.6:1 (1961 - 62; all) 10.5:1 (1963)
combustion chamber (volume)	59.7cc - 62.7cc (1961 - 62; all) 65.5cc - 68.5cc (1963) (all quench type)
carburetor	Holley 4150-C (4V) Holley 2100-C (3 x 2V) (automatic choke)
fuel requirement	super premium
intake manifold mat'l.	aluminum
valve-train type	"M" - hydraulic "Z" - solid/adjustable
intake valve (head diameter)	2.022" - 2.037"
exhaust valve (head diameter)	1.551" - 1.566"

distributor	dual-pointset mechanical advance (1961 - 62; all) single-pointset vacuum advance (1963)
spark plugs	Autolite BF-32
emission controls (50 states)	n/a
dimensions (less air cleaner & exhaust)	30"L x 27"W x 24"H
nominal weight (less alt., starter, fan, belts, & air cleaner)	600 lbs.

1969-1970 "Z" 429-HO (also called "Boss"; "429 CJ-HO")



Known Domestic Applications Ford & Lincoln-Mercury Car Divisions, only

Model-years	Car lines involved
1969½* (intro. 3-69)	Mustang
1970*	Cougar**, Fairlane** Montego**, Mustang

General Specifications All figures taken from original Ford literature

engine type	8 cylinder 90 degree, OHV
displacement	429 CID
foundry group	385 "Lincoln"

maximum horsepower	375 Bhp @ 5,200rpm
maximum torque	410 lbs./ft. @ 3,400rpm (1969) 450 lbs./ft. @ 3,400rpm (1970)
maximum standard bore X stroke	4.362" x 3.590"
heavy-duty mains?	4-bolt (all)
compression ratio (nominal)	10.5:1
combustion chamber (volume)	85cc - 94cc (1969) 83cc - 87cc (1970) (all "semi-hemispherical")
carburetor	Holley 4150-C (4V) manual choke
fuel requirement	premium
intake manifold mat'l.	aluminum
valve-train type	hydraulic (most 1969) mechanical (late 1969; all 1970)
intake valve (head diameter)	2.275" - 2.285"
exhaust valve (head diameter)	1.895" - 1.905"

distributor	dual pointset vacuum advance
spark plugs	Autolite AF-32
rpm governor limit?	6050 - 6150rpm
emission controls (50 states)	Thermactor
nominal weight (less alt., starter, fan, belts, & air cleaner)	560 lbs.

