

CHRYSLER 300F SPECIFICATIONS

GENERAL

Wheelbase	126.0"
Tread, Front	61.2"
Tread, Rear	60.0"
Length	219.6"
Width	79.4"
Height - 2-Dr. Hardtop	55.1"
- Convertible Coupe	55.5"

ENGINE

Type	90°V
No. of Cylinders	8
Valve Arrangement	Overhead, In-Line, Hydraulic
Bore and Stroke	4.18 x 3.75
Piston Displacement	413 cu. in.
Compression Ratio	10.1 to 1
Max. BHP @ Engine rpm	Standard: 375 at 5,000
.....	Optional: 400 at 5,200
Max. Torque @ Engine rpm	Standard: 495 at 2,800
.....	Optional: 465 at 3,600
Firing Order	1, 8, 4, 3, 6, 5, 7, 2
Intake Valve Diameter	2.08"
Exhaust Valve Diameter	1.60"
Valve Lift	Intake .430"
.....	Exhaust .430"
Valve Open Duration	Intake 268°
.....	Exhaust 268°
Valve Overlap	48°--Intake Opens 20° B.T.D.C.
.....	Exhaust Closes 28° A.T.D.C.
Piston & Piston Rings	Aluminum Alloy Pistol with Three Rings
Crankshaft	Drop Forged Steel
Crankshaft Main & Conn. Rod Bearings	"Super-Micro" Babbit

ENGINE TUNING SPECIFICATIONS

Idle Speed (Neutral)	725-750 rpm
Basic Ignition Timing	5 degrees B.T.D.C.
Spark Plugs	Auto Lite A-32
Spark Plug Gap035"
Distributor Breaker Point Gap014-.019"
Valve Lash	Hydraulic

FUEL AND LUBRICATING SYSTEM

Carburetors	Two 4-Barrel, down draft, velocity type secondary system, automatic choke
Fuel Pump	Mechanical
Air Cleaners	Dual Paper Element Air Cleaners
Gas Tank Capacity	23.0
Crankcase Capacity	5 quarts (6 with filter)
Oil Filter	Full-Flow type

COOLING SYSTEM

Capacity	17 quarts (with heater)
Type	"Series-Flow" with Pressure-vent and Thermostatic by-pass temp. control
Fan	7-Bladed Fan with Silent-Flite Fan Drive

ELECTRICAL SYSTEM

Type 12 volt, Negative Ground
Battery 78 plate, 70 Ampere-hour
Generator (without air conditioning)..... 35 ampere

TRANSMISSION

I. AUTOMATIC:

Type Torque Converter & Planetary Gears, Fully Auto.
Max. Over-All Torque Multiplication..... 5.39
First Gear Ratio..... 2.45
Second Gear Ratio 1.45
Type Lubricant Recommended Auto. Transmission Fluid, Type A

II. MANUAL:

Type Four Forward Speed and Reverse Pont-a-Mousson
First Gear Ratio 3.35
Second Gear Ratio..... 1.96
Third Gear Ratio 1.36
Fourth Gear Ratio 1.00
Reverse Gear Ratio..... 3.11

REAR AXLE RATIOS

Manual.....Standard: 3.31
.....Optional: 2.93, 3.15, 3.23, 3.54, 3.73
Automatic Standard: 3.31
..... Optional: 2.93, 3.15, 3.23, 3.54, 3.73

BRAKES

Type..... Hydraulic, Internal Expanding, Drum and Contoured
Floating Shoe with Power Assist
Power Booster Type Vacuum
Effective Braking Area..... 251 sq. in.
Drum Diameter..... 12"
Brake Shoe Width..... 2 $\frac{1}{2}$ "

FRONT SUSPENSION

Type Independent, Lateral Non-Parallel Control Arms
with Torsion Bar Springs
Spring Rate..... 40% stiffer than standard
Shock Absorber..... Direct Acting, Oriflow, Heavy-Duty

REAR SUSPENSION

Type Parallel, Longitudinal Leaf, Semi-Elliptic
Spring Rate..... 135 lbs. per inch (50% stiffer than standard)
Number of Leaves..... 7
Shock Absorber..... Direct Acting, Oriflow, Heavy-Duty

STEERING

Type..... Full-time Power Steering
Ratio (Gear) 15.7

TIRES

Size 9.00 x 14
Type Nylon Racing Type Tires with White Sidewalls
Inflation Pressure (Cold)
 Normal Driving 22 psi
 Extended High-Speed 30 psi

WHEELS

Size 14 x 6 $\frac{1}{2}$ K