# **ENGINES**

in the lowest-price field

new 6-cylinder

POWERFLO 117

new 167 hp

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Johnson's Auto Literature

### new 117 hp POWERFLOW 6

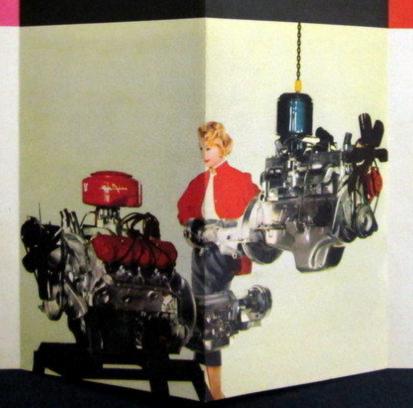
you have a choice of the

GREATEST PERFORMERS
IN THE LOW-PRICE 3!

new 167 hp HY-FIRE V-8

#### the simplest and finest six your money can buy

It's the most powerful six in Plymouth history. It's the only six in the lowest-price field with Chrome-Sealed Action . . . to safeguard its velvet-smooth performance and mile-aftermile economy. Simplicity of construction and advanced design make it the finest six-cylinder engine in its class. Gines you flashing acceleration for quick breakaway at the traffic light or easy, safe passing on hills. Rugged and reliable . . the forerunner of this powerful engine proved its endurance in millions and millions of miles of driving! No other six in the lowest-price field gives you so many important features, such dependable performance.



#### the most powerful eight in the lowest-price field

The brilliant, all-new Plymouth Hy-Fire V-8 engine is conservatively rated at 167 horse-power. Here's the highest standard V-8 horse-power found in any low-price car, plus unsurpassed economy of operation in its short-stroke, high-compression design. New Polyspherical combustion chamber and extralarge overhead valves. You get more power through better engine breathing . . . top economy through better fuel burning . . . more "go" per gallon from "regular" gasoline. Because of its tremendous acceleration, hill-climbing ability and complete reliability, you"il find the Hy-Fire V-8 one of the safest of all engines to drive.

With PowerPak (4-barrel carburetor optional at low extra cost) your Hy-Fire delivers a mighty 177 horsepower.

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## 6-CYLINDER POWERFLOW 117

## engine specifications:

Horsepower			ŝ			×	8	ij	ý.					į.	è	i	ú	ě	Ĭ,	0	i i	.117
Valve arrangement.		a.		į,	ı,	ď	ń	ā	i,	4		ü	d	i	Į,	Ų	k	è		1		head
Bore, inches	ă,	3	S	8	Ġ,	S	ĸ,	K	ä	Ø	Ä	ş	8	i.	Ĭ.	Ž,	à		ű			3.25
Stroke, inches		ú	ď	10		8	e.	è	d	8	is	ď.	1	ä	i	r.			Š		T.	4.63
Displacement, cubic	úr	10	hi	88	į,	ä	į.	ŝ	H	i,	į.		Ĭ,	ğ	i	Ü	Ä	ä	è	i		230
Compression ratio	M	ä	h	10		ä	Ü	ij.	ü			S	ń	N	ä	H	ä		B	8	Ö	7.4:1

Floating power engine mountings dissipate engine vibrations. Counterbalanced crankshaft with four main bearings. Silent chain-driven camshaft. Lightweight alloy aluminum pistons with two compression and two oil rings. Top compression ring chrome-plated. Adjustable valve tappets with heat resistant alloy steel exhaust valve inserts.

Full-pressure lubrication to all crankshaft, camshaft and connecting rod bearings; pressurized mist to cylinder walls, piston pins and valve lifters. Rotor-type oil pump to maintain positive oil pressure. Micronic oil filter (standard on Savoy and Belvedere) and floating oil intake to assure clean oil supply for vital engine parts. Oil capacity 5 qts.

Six-blade fan. Permanent by-pass temperature control. Full-length water jackets. Pressure vent radiator cap. Water pump with Oilite bronze bearings.

Oilite fuel filter in gas tank to protect entire fuel system against water or dirt. Lightweight all-aluminum downdraft carburetor with integral automatic choke. Heavyduty silencing oil bath air cleaner. Automatic manifold heat control valve to preheat fuel mixture during warm-up.

Resistor-type spark plugs for smooth engine idle and economy. Automatic mechanical and vacuum spark control. Splash-proof distributor to protect against moisture.

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