



# SERVICE DATA ENGINE INFORMATION

## SPECIFICATIONS

Bore	230.19 mm (9-1/16")
Stroke	254.0 mm (10")
Angle between banks	45°
Compression ratio	14.5:1
Displacement per cyl.	10 570 cm <sup>3</sup> (645 cu. in.)
Rotation (facing rear end)	Counterclockwise
Firing order -	
8 cyl.	1, 5, 3, 7, 4, 8, 2, 6
12-cyl.	1, 12, 7, 4, 3, 10, 9, 5, 2, 11, 8, 6
16-cyl.	1, 8, 9, 16, 3, 6, 11, 14, 4, 5, 12, 13, 2, 7, 10, 15
20-cyl.	1, 19, 8, 11, 5, 18, 7, 15, 2, 17, 10, 12, 3, 20, 6, 13, 4, 16, 9, 14
Exhaust valves (per cyl.)	4
Main bearings -	
8-cyl.	5
12-cyl.	7
16-cyl.	10
20-cyl.	12
Governor (Woodward)	UG-8 or EGB
Scavenging	Uniflow
Type of scavenging blower	Turbo-Centrifugal
Cooling system	Pressurized
Water pumps	Centrifugal
Lubricating oil system	Full pressure
Oil Pumps -	
Main oil pump and piston cooling pump	Two pumps in one housing siamesed inlet, double discharge
Scavenging oil pump	Helical gear type
Fuel injection	Unit injector with needle valve
Fuel pump	Positive displacement
Engine starting -	
8-Cyl.	Single air motor or dual electric motors
12, 16, 20-Cyl.	Dual air motors or dual electric motors
Starting air pressure	1 034-1 380 kPa (150-200 psi)
Air starting control solenoid	120 volt AC/DC

## RATINGS

Idle speed	400 RPM
Full speed	750/900 RPM
BHP	
	<u>750 RPM</u> <u>900 RPM</u>
8-cyl.	1200      1525
12-cyl.	1830      2305
16-cyl.	2460      3070
20-cyl.	3055      3600