



DIMENSIONS ARE APPROXIMATE — Inches (mm)

**APPLICATION DATA:**

	60 Hertz	50 Hertz		60 Hertz	50 Hertz
Basic Engine (only)			Air for Combustion: cfm	753	631
Coolant Capacity: gals.	7.75	7.75	m <sup>3</sup> /min.	22	18
litres	29.33	29.33	Air for Radiator Cooling: cfm	14000	11000
Engine Coolant Flow: gpm	111	92	m <sup>3</sup> /min.	396	312
litres/min.	420	348	Heat Rejection to Room:		
Max. Static Head at Fresh Water			BTU/min.	2208	1910
Pump Inlet ft. H <sub>2</sub> O	30	30	kW/min.	38.83	33.59
kPa	89.58	89.58	Generator Heat Radiated to Room		
Heat Rejection to Coolant: BTU/min.	8408	7290	BTU/min.	677	564
kW/min.	148	128	kW/min.	11.90	9.92
Coolant Capacity Heat			Exhaust Flow (Rated Output)		
Exchanger plus Engine: gals.	17.25	17.25	cfm	1975	1600
litres	65.3	65.3	m <sup>3</sup> /min.	56	46
Max. Suction Pressure (raw water):			Exhaust Temp. (Rated Output At		
in. Hg	5	5	Manifold Outlet)		
kPa	16.88	16.88	°F	970	955
Max. Discharge Pressure:			°C	521	512
psi (raw water)	10	10	Exhaust Back Pressure (max. allow):		
kPa (raw water)	69	69	in. hg	3.3	2.3
Heat Exchanger Raw Water Flow:			kPa	11.14	7.77
gpm	88	75	System Voltage	24V.D.C.	24V.D.C.
litres/min.	333	284	Starter Rolling Current @ 32°F		
Crankcase Oil Capacity: gals.	5.75	5.75	(0°C)	860	860
litres	21.76	21.76	Starter Breakaway Current @ 32°F		
Fuel Supply Line, min., I.D. in.	.5	.5	(0°C)	1608	1608
mm	12.7	12.7			
Fuel Return Line, min., I.D. in.	.3125	.3125			
mm	7.938	7.938			
Suction at Fuel Transfer Pump,					
in. hg.	6	6			
kPa	20.26	20.26			



**Detroit Diesel Allison**  
Division of General Motors

13400 West Outer Drive Detroit, Michigan 48228 U.S.A.

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