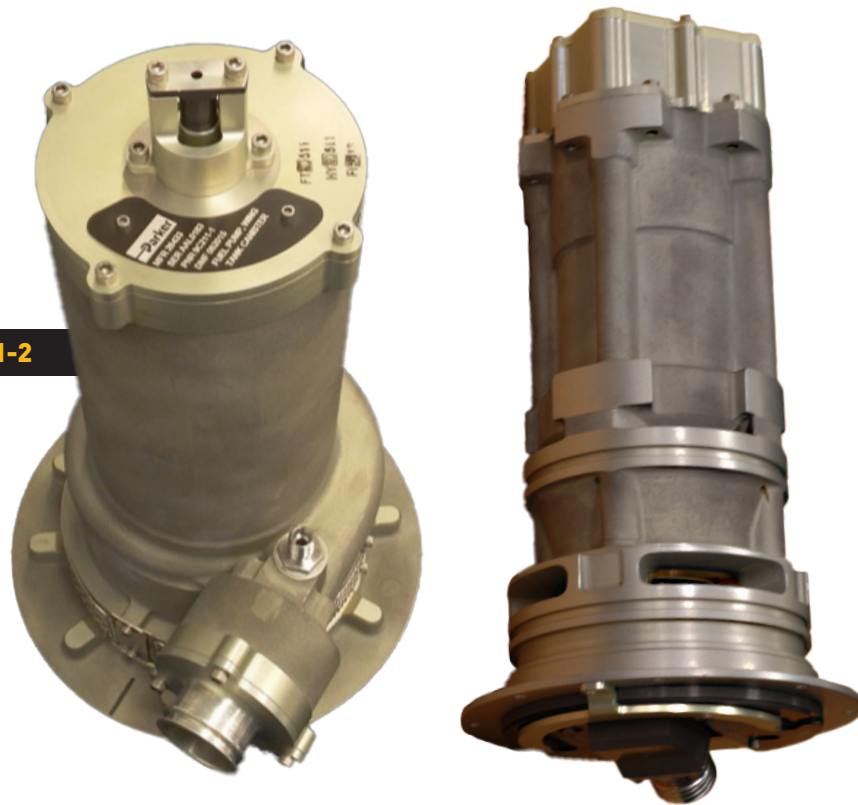


PRODUCT DATA SHEET

Model 9C212-2/9C211-2



PARKER AEROSPACE

Fuel pump cartridge/canister

Product data matrix and performance index

Many civilian aircraft utilize 115 VAC, variable frequency power for fuel system products. The 9C211-2/9C212-2 pump utilizes a two piece (cartridge/canister) assembly that allows for the main pumping element (cartridge) to be removed and replaced during service without performing additional maintenance on the fuel tank, such as draining the fuel from the tank to gain access to the pump.

Extensive qualification testing has been completed, and the 9C211-2/9C212-2 pump assembly has shown excellent field reliability. The combination of certification testing and field experience provides a low risk, cost effective solution for fuel pump applications utilizing a 115 VAC, variable frequency power system.

Product attributes and benefits

- Two piece assembly (cartridge/canister), skin mounted on the bottom of the aircraft fuel tank
- Circumferential, screened inlet utilizing a centrifugal impeller
- 115 Volt (L-N), variable frequency drive motor
- Motor is fuel cooled for long life

Contact information

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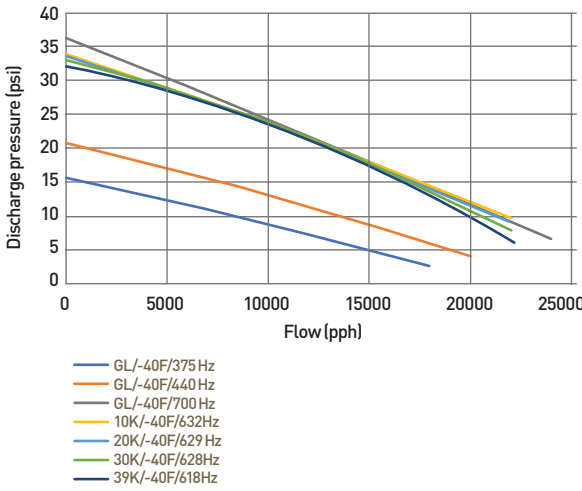
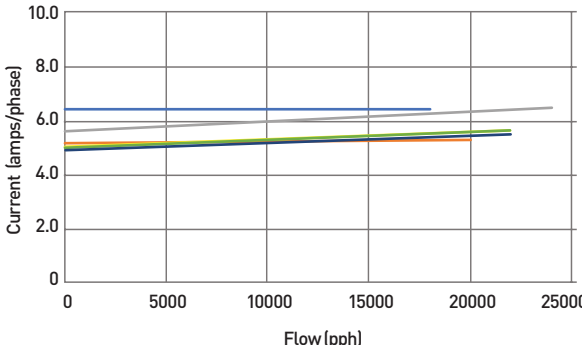
Parker Hannifin Corporation
Parker Aerospace
Fluid Systems Division
711 Taylor Street
Elyria OH 44035

PARKER AEROSPACE

Fuel pump cartridge/canister

Product data matrix and performance index

Model 9C212-2

Characteristic	Value	Pump performance
Model number	9C212-2	Typical model 9C211-2/9C212-2 pump performance at 115 VAC across various frequencies and altitudes for -40°F Jet A
Application	Cartridge assembly	
Pumping data		
Hydraulic element	Single stage, centrifugal	
Rated flow	14,100 pph at 700 Hz	
Minimum discharge pressure	13 psig at 700 Hz	
Typical discharge pressure	19 psig at sea level, at 700 Hz	
Maximum operating altitude	39,800 ft	
Qualified fuels	Jet A	
Temperature range	-40°F to +130°F	
Duty cycle	Continuous	
Motor data		
Motor type	Variable freq. AC	
Voltage	115 VAC	
Frequency	360 - 720 Hz	
Current at rated flow	6.2 amps at sea level, at 700 Hz	
Maximum current	13.3 amps	
Dry run capability	Yes	
EMI filtering	No	
Stator thermal protection	Yes	
Electrical connection	D38999/21YD97PN	
Geometric assembly data		
Assembly mounting	Into canister	
Bypass flow valve	No	
Lift capability	No	
Approximate envelope (L x W x H)	5.9" x 5.9" x 12.6"	
Weight (maximum)	10.58 lbs	

Model 9C211-2

Characteristic	Value
Model number	9C211-2
Application	Canister assembly
Geometric assembly data	
Assembly mounting	Tank floor, skin mount
Inlet port	#8 mesh, screened inlet
Discharge port	AS5836-1-20
Discharge check valve	Yes
Bypass flow valve	No
Approximate envelope (L x W x H)	8.5" x 9.1" x 13.6"
Weight (maximum)	6.95 lbs