PRODUCT DATA SHEET

Model 9C126-1

PARKER AEROSPACE

Fuel boost pump

Product data matrix and performance index

Many civilian and military aircraft utilize 115 VAC (L-N), 3 phase, 400 Hz power for fuel system products. The 9C126 Series pumps can supply pressurized fuel from the main tank(s) directly to the engine or APU as a boost function, can supply pressurized fuel for tank to tank transfers, or can be used for over-board fuel jettison. Extensive qualification testing has been completed, and the 9C126 Series pumps have 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, 400 Hz power system.

Product attributes and benefits

- Integral assembly, mounted internal to aircraft fuel tank
- Dual inlet utilizing centrifugal impellers
- 115 VAC (L-N) 3 phase, 400 Hz drive motor
- Motor is fuel cooled for long life

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Model 9C126-1

Characteristic	Value
Model number	9C126-1
Application	Fuel boost pump
Pumping data	
Hydraulic element	Dual stage, centrifugal
Rated flow	40000 pph
Minimum discharge pressure	16 psig
Typical discharge pressure	20 psig at SL
Maximum operating altitude	34,000 ft
Qualified fuels	JP-4
Temperature range	-65°F to +165°F
Duty cycle	Continuous
Motor data	
Motor type	AC induction
Voltage	115 VAC, 3 Phase, 400 Hz
Input power at rated flow	2650 VA
Maximum input power	3100 VA
Dry run capability	Yes
EMI filtering	No
Stator thermal protection	Yes
Electrical connection	MS3142HS-18C-12PN
Geometric assembly data	
Assembly mounting	Submerged, wall mounted
Inlet port	#8 mesh, screened inlet
Discharge port	M218-32
Discharge check valve	Yes
Bypass flow valve	No
Lift capability	No
Approximate envelope (L x W x H)	9.3" x 6.6" x 7.2"
Weight (maximum)	8.6 lbs

Pump performance

Typical model 9C126-1 pump performace, dual inlet, at 115 VAC/400 Hz for room temperature JP-4 at sea level