

Airborne

F U E L P U M P S

APPLICATIONS MANUAL

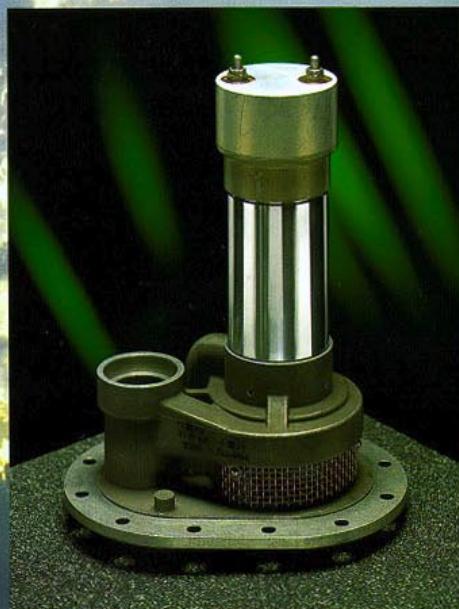


▶ AIRBORNE PERFORMANCE

▶ AIRBORNE EXPERIENCE

▶ AIRBORNE QUALITY

▶ AIRBORNE SERVICE



Airborne
Air & Fuel Products

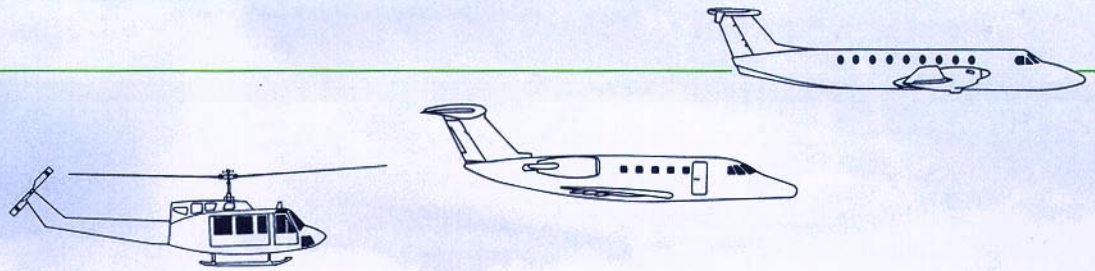
Parker
Aerospace



Airborne
Performance

Airborne
Experience

Airborne
Quality



Specified as standard equipment by the world's leading airframe manufacturers, Airborne fuel boost and transfer pumps deliver the benefits that keep aircraft owners, pilots, and mechanics coming back—superb performance, long product life, easy availability, and competitive cost. For all these reasons, Airborne fuel pumps continue to be specified as the preferred replacement for original equipment.

Airborne is a part of the Parker Aerospace Group of Parker Hannifin Corporation, a Fortune 500 company and the world's leading supplier of fluid power products. Parker Hannifin's 100,000 catalog items reach more than 1,000 different markets. Innovative design combines with control of manufacturing and quality to make Parker's Airborne Division a leading fuel pump supplier to the general aviation and aerospace industries. The advanced technical resources of Parker Hannifin are an important part of the Airborne heritage and are available on a continuing basis as Airborne pursues the highest levels of product quality and performance.

Since the 1960s, Airborne has designed and manufactured motor driven fuel pumps, incorporating the reliability and flexibility necessary to keep pace with performance demands from the general aviation and aerospace industries.

At our 100,000-square-foot production facility in Elyria, Ohio, we continue to improve our manufacturing skills as the viability and applications of each new technology become evident. Today, the integral elements of our production excellence include innovative techniques like coordinate measuring machines (CMM), computer numerically controlled milling and turning machines (CNC), statistical process controls (SPC), and computer-aided testing (CAT).

Committed to customer satisfaction, Airborne continues to take every possible step to justify the confidence of our fuel pump customers. When it comes to excellence in research and design, manufacturing technology, service and support, we won't offer you anything but the best.

Because we maintain strict control over our in-house design and manufacturing process, we can precisely match pumping elements and motors to provide optimum performance for our customers. We subject our fuel pumps to rigorous altitude, environmental, and endurance testing. Fuel flow, pressure, and temperatures are monitored in addition to the electrical characteristics of the fuel pump motor. Airborne fuel pumps are 100% tested to assure they meet the required flows and pressures before they are shipped.

AIRBORNE WARRANTY

We stand behind the reliability of Airborne fuel pumps by offering one of the best warranties in the industry. All new Airborne fuel pumps are warranted for two years or 2,000 hours of flight time. Airborne factory-rebuilt fuel pumps are warranted for one year or 1,000 hours of flight time.

AIRBORNE SERVICE

TECHNICAL SERVICE HOTLINE

To assist fuel pump customers and help with troubleshooting, Airborne maintains a Technical Service Hotline (1-800-382-8422). This toll-free line gives callers immediate access to a member of our technical staff.

SALES AND SERVICE

For your convenience, all Airborne products and warranty service are available from Authorized Airborne Distributors around the world. Through our extensive distributor network, we provide full coverage throughout the United States, Africa, Australia, Canada, Europe, the Far East and South America.

FACTORY-REBUILD AND CORE CREDIT EXCHANGE PROGRAM

Any Authorized Airborne Distributor can provide Airborne factory-rebuilt fuel pumps. If you're switching to Airborne from a competitive brand, we make that easy, too. Following the installation of any new Airborne fuel pump, simply turn in your old core for full core credit.

TECHNICAL SERVICE HOTLINE

1-800-382-8422

AIRBORNE FUEL PUMPS

EXCLUSIVE "WET MOTOR" DESIGN SET THE INDUSTRY STANDARD

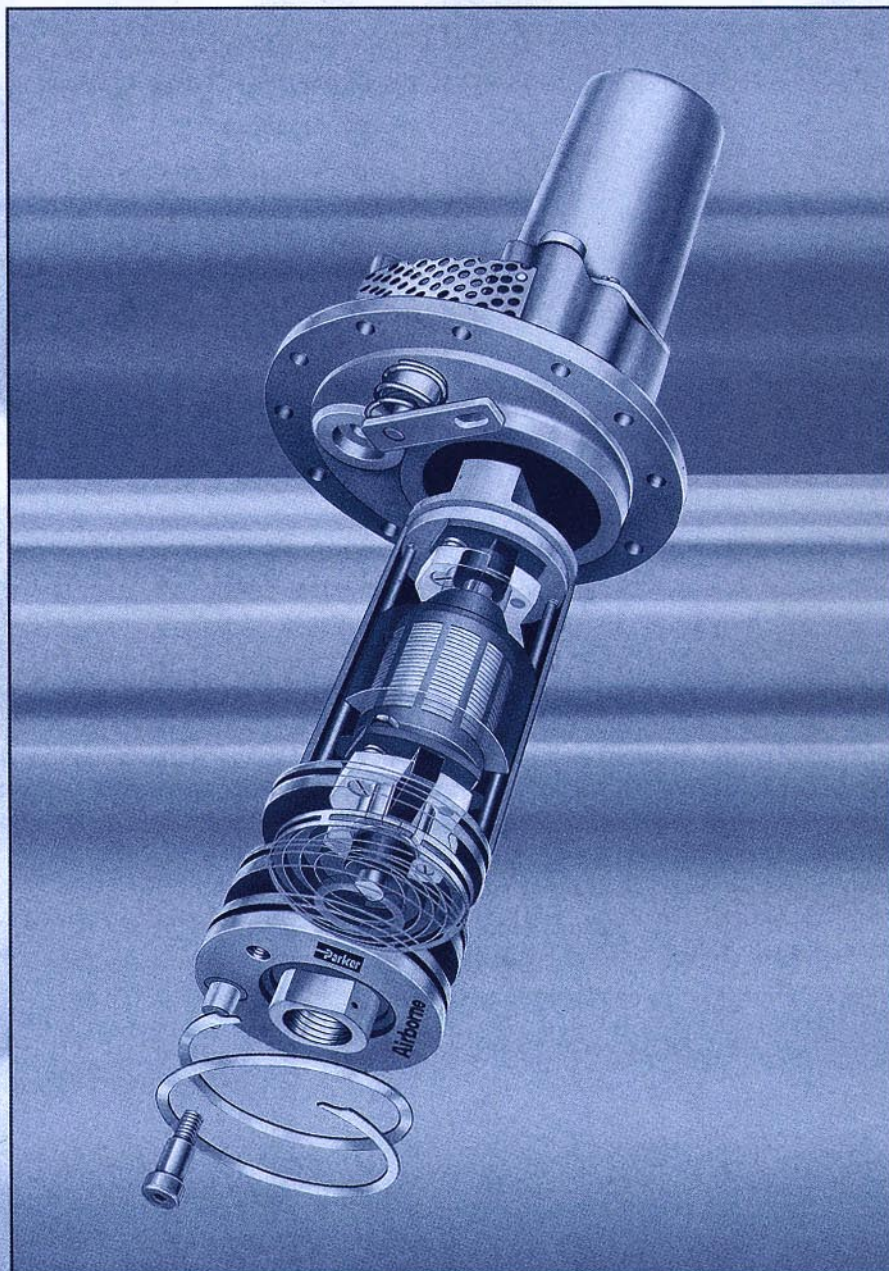
Cool motors last longer, providing more flying hours and better profits for you. It's why Airborne uses the fuel itself to continuously cool and lubricate the electric motor of each fuel pump. Designed without shaft seals or seal drains that can wear out and leak, Airborne fuel pumps eliminate the most common causes of premature pump failure. As a result, our exclusive "wet motor" designs have been extending product life, minimizing down-time, and reducing total operating and inventory costs for nearly four decades.

FUEL BOOST PUMPS • pressurize fuel in the supply line between the tank and the engine, delivering fuel from the fuel tank to the engine driven pump. Fuel boost pumps also serve as back up in the event of an engine driven pump failure, providing enough flow and pressure in this mode to keep the engine at or near full power.

FUEL TRANSFER PUMPS • move fuel between tanks to balance aircraft weight or keep fuel moving toward the engines.

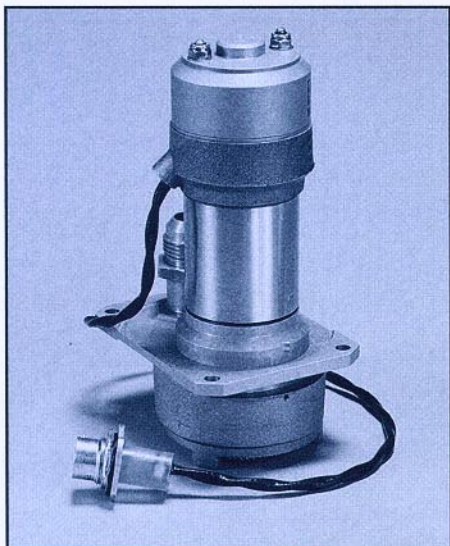
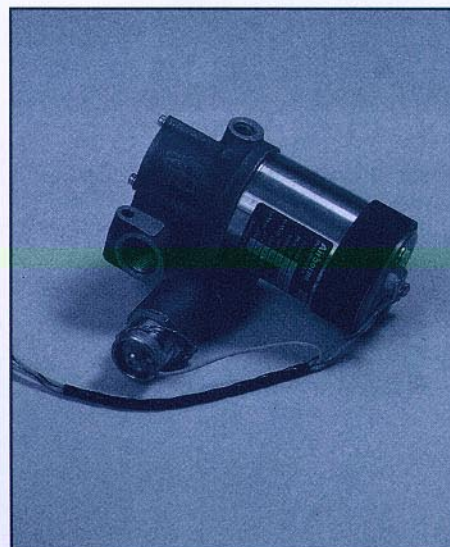
Whether you require boost pumps, or transfer pumps, Airborne offers you types and models for any general aviation fuel pump application:

- Positive displacement - vane or gear
- Centrifugal
- Mixed flow
- Radial flow
- Liquid Ring
- Duplex



INLINE FUEL PUMPS

Designed for low-flow fuel applications, inline auxiliary pumps lift the fuel and supply the engine with normal operating pressures in case of an engine pump failure. Fuel pressure regulation is provided by a poppet-type relief valve or pressure plate relief. Inline pumps feature "straight-through" bypass porting to minimize bypass pressure drop. Airborne's inline fuel pump is capable of flows to 2000 PPH and pressures to 50 PSIG in both 14 And 28 volt models.



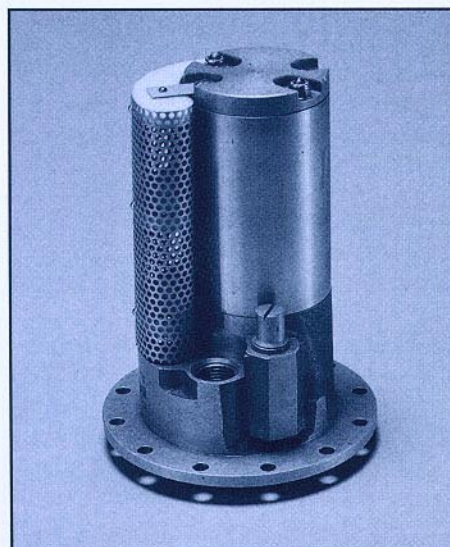
SUBMERGED CENTRIFUGAL FUEL PUMPS

Airborne's submerged side- and flange-mounted centrifugal pumps pressurize fuel in the supply line between the tank and the engine, suppressing fuel vaporization and assuring delivery of solid, vapor-free fuel to the engine-driven pump.

Airborne centrifugal pumps incorporate the trouble-free, fuel-cooled and fuel-lubricated "wet motor" design and feature a vapor-separating impeller. Designed for high-flow fuel applications, Airborne's submerged centrifugal design comes in a variety of configurations to provide superb vapor handling and climb characteristics. Standard performance boost pumps provide 3000 PPH and up to 30 PSIG.

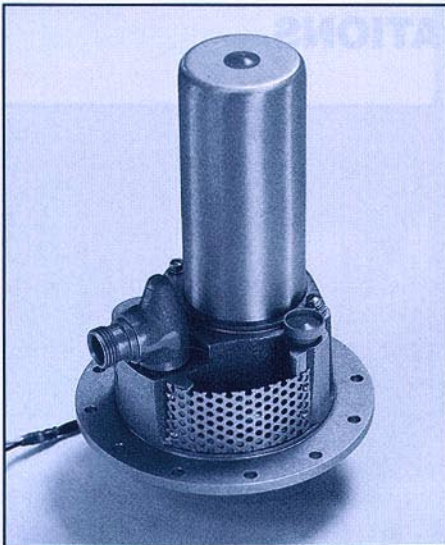
HIGH PERFORMANCE CENTRIFUGAL

With the development and proliferation of turboprop and turbofan jet aircraft, a need was created for high performance DC boost pumps to provide high flow capabilities at economical prices. Airborne met this challenge with a line of submerged centrifugal pumps that provide superb performance for vapor handling in climb conditions to over 50,000 feet. The wet DC motors have been designed with both single and double commutator armatures for exceptional in-service life and reliability. The double-commutator motor is really two motors wound on a single shaft with two sets of brushes to provide optimum efficiency, reduced current drain, and long service life. High performance DC centrifugals are available to 8000 PPH flow and pressures to 30 PSIG.



SUBMERGED DUPLEX

The advantages of two distinct pumping element designs combine in Airborne's high performance, two-stage, tank-mounted submerged duplex pump. Well suited for turboprop, turbocharged, and pressurized piston aircraft, Airborne's submerged duplex offers both the vapor separating ability of the centrifugal impeller and the self-priming high pressure capabilities of the positive displacement vane section. Available in flows to 1200 PPH, pressures to 38 PSIG, and in 14 and 28 VDC motor designs, the submerged duplex pump is ideal for aircraft that have fast climb rates and that operate regularly in a high altitude environment on avgas.



AIRBORNE'S CARTRIDGE/CANISTER DESIGNS MAXIMIZE FUEL PUMP PERFORMANCE

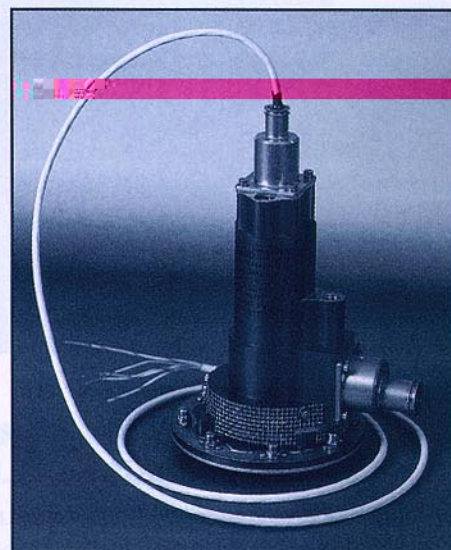
For the ultimate in performance and value, many of Airborne's fuel pumps feature a unique quick-change design that makes service a snap. Developed to reduce maintenance and minimize down-time, Airborne's design incorporates a cartridge pump element installed in a canister mounting flange. A valve in the pump inlet seals the inside of the canister from the fuel tank, making it possible to change the fuel pump without draining the tanks. Less than a cupful of fuel is lost, and down-time is reduced from hours to minutes.

Besides unsurpassed ease of maintenance, Airborne cartridge/canister fuel pumps incorporate the unique DC "wet motor" design. Positive motor and brush cooling and lubrication are provided by a constant flow of fresh fuel in and around the cartridge, a design that provides for a long, trouble-free service life.

AC MOTOR DRIVEN FUEL PUMPS

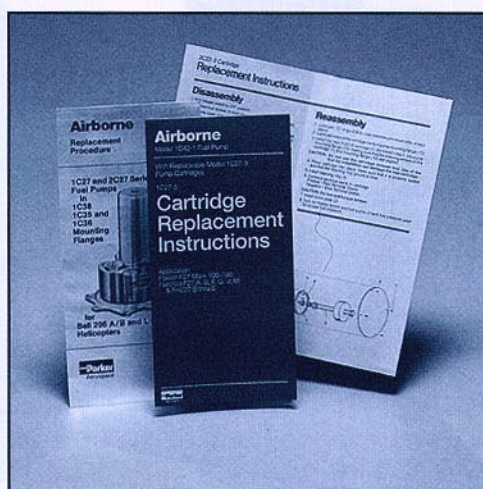
In response to the demands of our customers, Airborne designs and manufactures AC motor driven fuel pumps that provide higher quality, longer life and increasingly higher flows and pressures.

- Fuel flow up to 250 gallons per minute
- Three-phase, 115/200 VAC, 400 HZ, fuel-cooled motors
- Impellers designed for optimum high altitude performance
- Investment castings with minimum wall thickness for lowest possible weight
- Excellent dry run characteristics
- Standard or cartridge designs are available



INSTALLATION

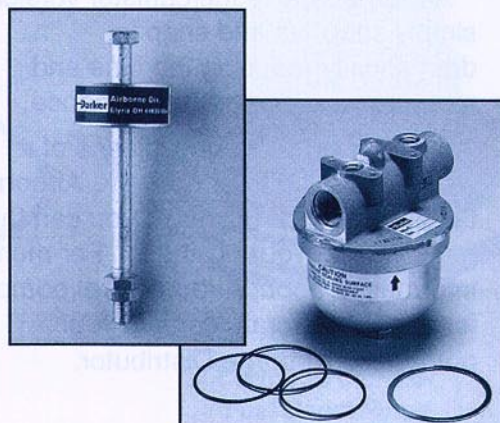
Install all Airborne fuel pumps in accordance with the aircraft manufacturer's recommendations. When an Airborne fuel pump is used to replace original equipment, follow the instructions on the Supplemental Type Certificate. These instructions often refer the installer back to the aircraft maintenance manual, installation drawings, and/or to instructions shipped with the pump.



No periodic inspection or servicing is required or recommended for an installed Airborne pump throughout its service life. Engineered to achieve customer satisfaction, Airborne fuel pumps climb to expectations.

ACCESSORIES

All fuel system accessories—fuel filters, retaining rings, spacers, O rings, cartridge removal tools, and check valves—are engineered with the traditional Airborne attention to high quality and customer satisfaction.



REGIONAL AIRCRAFT APPLICATIONS



AIRBORNE: THE FUEL PUMP DESIGNED FOR BUSY AIRLINES

Airborne's broad line of products includes field-proven fuel pumps for a wide range of regional aircraft. Designed for original equipment and as airline retrofit or replacement, all Airborne fuel pumps feature our unique "wet motor" design in which the fuel itself continuously cools and lubricates the DC electric motor.

Airborne's cartridge/canister versions simply snap out and snap in, dramatically reducing the time and money you spend on maintenance.

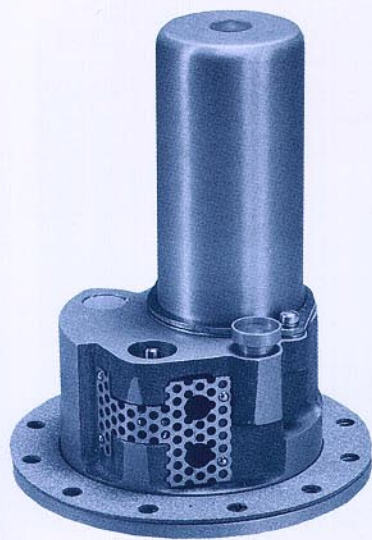
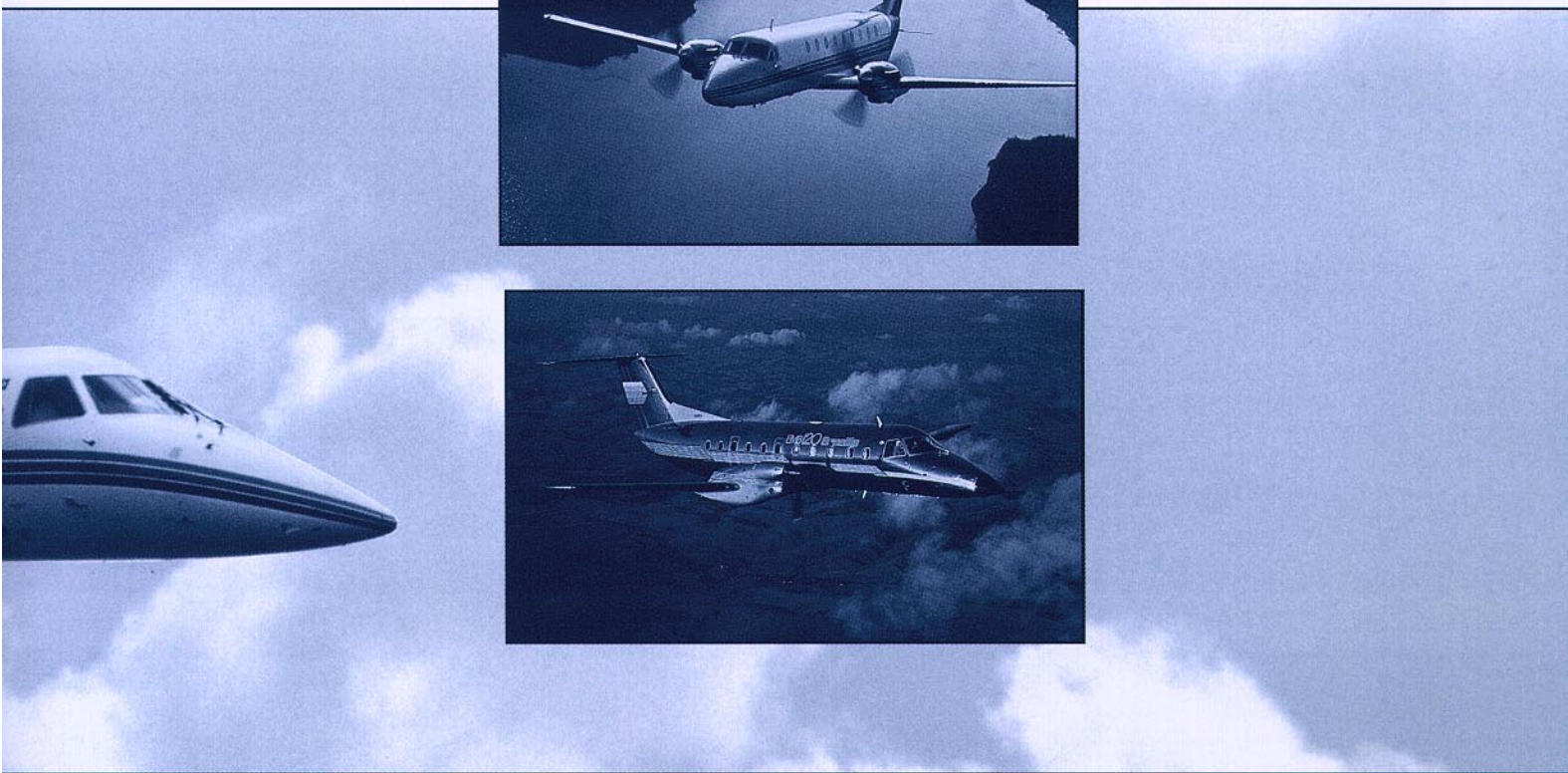
Offering you the convenience of a worldwide distributor network, Airborne takes good care of you so you can take good care of your business. For more information about Airborne fuel pumps for regional aircraft, contact your authorized Airborne Distributor.



**Submerged Centrifugal
Fuel Boost Pump**



**Submerged Centrifugal
Fuel Boost Pump**



**Submerged
Cartridge/Canister
Fuel Boost Pump**



**Submerged
Cartridge/Canister
Fuel Boost Pump**



**Submerged
Cartridge/Canister
Fuel Boost Pump**

B BUSINESS/CORPORATE AIRCRAFT APPLICATIONS

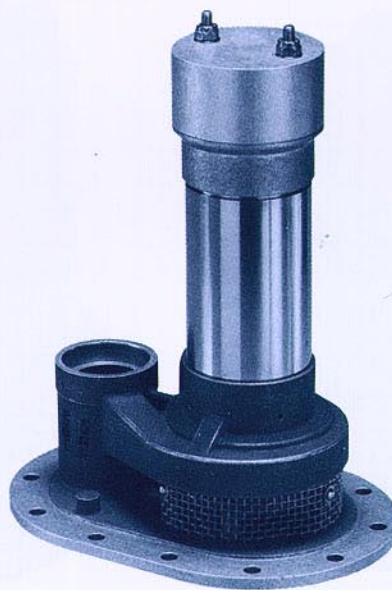


AIRBORNE: KEEPING YOU READY FOR TAKEOFF

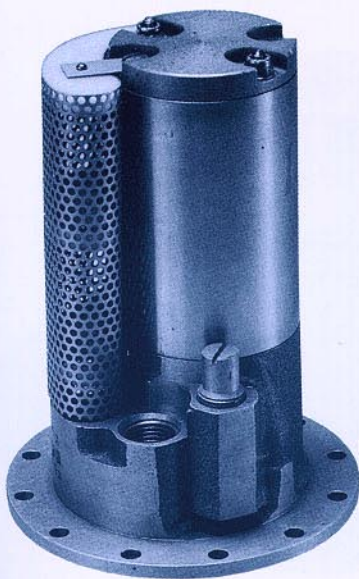
At Airborne, we know the number one priority of corporate aircraft operators: Be ready when it's time to go. Every time. No exceptions. No excuses. That's why the best corporate operators depend on Airborne for fuel pumps that provide the highest standard of performance.

Besides Airborne's exclusive, long-life, "wet motor" design, we offer you a global network of distributors who maintain extensive inventories of fuel pumps and support you with the best technical expertise available. You can buy and install an Airborne fuel pump virtually anywhere you can fly.

If you want to get Airborne and stay Airborne, contact your nearby authorized Airborne distributor today.



**Submerged Centrifugal
Fuel Boost Pump**



**Submerged Duplex Fuel
Boost Pump**



**Submerged High
Performance Fuel Boost
Pump**



In-Line Fuel Boost Pump



HELICOPTER APPLICATIONS

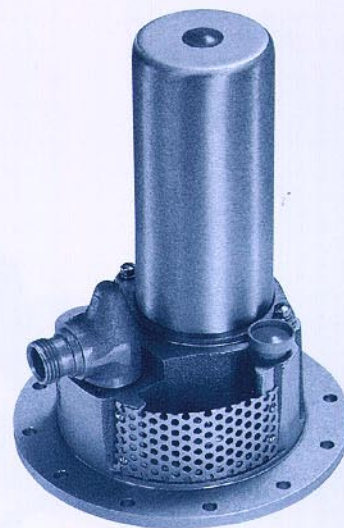


AIRBORNE TAKES GOOD CARE OF YOU

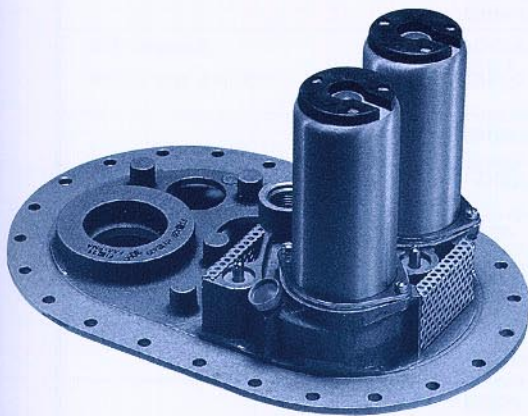
Airborne's helicopter fuel pumps raise your standards and lower your costs. Designed for original equipment and operator retrofit or replacement, Airborne's fuel pumps feature our exclusive, long-life, "wet motor" design, keeping you airborne and reducing your total operating and inventory costs.

Many of Airborne's helicopter fuel pumps incorporate a unique, quick-change design to make service a snap. You don't have to drain the fuel tank to replace the pump—a big advantage for operators working offshore and in other remote locations. Snap out. Snap in. Less than a cupful of fuel is lost in the process.

Start flying more hours and operating more profitably. Call your authorized Airborne distributor today.



**Submerged Cartridge/
Canister Fuel Boost Pump**



***Submerged Dual
Cartridge/Canister Fuel
Boost Pump***



***Submerged Centrifugal
Fuel Boost Pump***



***Submerged Centrifugal
Fuel Boost Pump***



APPLICATIONS

Airborne Fuel Pumps Applications Information

For your quick reference, manufacturers and aircraft are listed alphabetically with models listed numerically.

Aircraft Model	Airborne Fuel Pump Model	OEM Part Number
AGUSTA		
A109, A109A, A109All, A109C, A109K2	2C35-3 Replaces Agusta 109-0611-53-1 1C27-11 Replacement Cartridge for 2C35-3	109-0611-53-1
BELL		
205A	2C12-1 Replaces Lear Romec RG12240, RR12470	205-060-606-3
205A, 205A-1, 212, 412	1C64-1 Replaces Adel 70291, Lear Romec RG 12240, RR12470 Globe 164A166, 164A168-1, -2 2C27-3 Replacement Cartridge for 1C64-1 2C12-1 Replaces Adel 70291, Lear Romec RG12240, RR12470, Globe 164A166, 164A168-1, -2	206-062-687-101 205-060-606-3
206B Jet Ranger	1C38-1 Replaces Airborne 1C35-1; Globe 164A136, 164A176, 164A204, 164A212; Lear Romec RG12160, RG12650; Secondo Mona SM2217; Stellar S2861-2 1C27-10 Replacement Cartridge for 1C35-1 & 1C38-1 2C27-1 Optional Replacement Cartridge for 1C38-1	206-062-681-101 411523478-00
206L, 206L-1 Long Ranger	1C36-1 2C27-1 Replacement Cartridge for 1C36-1	206-063-602-001 411523478-00
206LT Twin Ranger Gemini ST	1C45-7 1C45-6 Replacement Cartridge for 1C45-7	4690-00380
407 407T	1C64-4 1C45-6	407-362-100-101
427	1C39-2 1C27-10 Replacement Cartridge for 1C39-2	427-366-104-101
BELLANCA		
Viking 17-30A (Continental Engine) Viking 17-31A & 17-31ATC (Lycoming Engine)	2B6-9 2B6-47	

Aircraft Model	Airborne Fuel Pump Model	OEM Part Number
BOEING		
369A, D, HE, HM, HS (500)	1C3-4,-9 Replaces Globe 164A134	369A8143
MD500N	1C38-4	900P3661111-101
MD600N	1C27-10 Replacement Cartridge	
CALIFORNIA HELICOPTER		
S58T	3B7-4 Replaces Lear Romec RG17020	RG17020
CANADAIR		
CL-600, 601, 601-3A Regional Jet Series 100 & CL-415, CL-600, 601, 601-3A	1B5-11 Oil Pump	601-63901-1
CL-415	3B7-4	
CL-415	2B6-81	215T64111-2
CL-415	3B7-14	
Global Express	9C127-11 9C128-1 Replacement Cartridge for 9C127-11 1C77-2 1C78-2 Replacement Cartridge for 1C77-2 9C41-1 9C42-1 Replacement Cartridge for 9C41-1 9C33-10 1B5-16 Oil Pump	GP422-1401-11 GP422-1401-3 GP422-1414-7 GP422-1414-9 GP422-1307-1 GP422-1307-3 GP422-1302-17 N662-0311
CESSNA		
208,208A Caravan I	2C6-8 Replaces Dukes 1613-00-1	
310, 320, 340, 401, 402	1C6-10 Replaces Adel 70346, 70597; Globe 164A102; Stellar S23474	
406 Caravan II, 402C B'liner, 404 Titan	1C12-17 2B7-29 Replaces Airborne 2B7-51 Cessna 9910202-1,-2, -3, -4; Weldon 10030A, 10032A	9910288-8 9910202-4
411	1C6-10 Replaces Adel 70346, 70597; Globe 164A102; Stellar S23474	
414A Chancellor	2B7-29 Replaces Airborne 2B7-51; Cessna 9910202-1, -2, -3, -4 Weldon 10030A, 10032A	9910202-4
421	1B5-8 Replaces Weldon 8150A, 8150B	
421A, 421B	1C6-10 Replaces Adel 70346, 70597; Globe 164A102; Stellar S23474	

Aircraft Model	Airborne Fuel Pump Model	OEM Part Number
CESSNA		
421C	2B7-29 Replaces Airborne 2B7-51; Cessna 9910202-1,-2,-3,-4; Weldon 10030A, 10032A	9910202-4
425 Corsair/Conquest I	2C6-3	
441 Conquest, Conquest II	1C12-17 Replaces Adel 72477; Lear Romec RR53710, RR53710A, RR53710D, RR53710F, RG45290	9910288-8
500 Citation I, 550 Citation II, S550, 552 (T-47)	1C7-12	9912017-3
500 Citation I, 550 Citation II (British), 525 Citation Jet	1C7-13	9912017-4
650 Citation III, VI, VII	1C55-7	9914102-9
	1C56-2	
650 Citation III	1C27-14 Replacement Cartridge for 1C56-2	
CONSTRUCCIONES AERONAUTICAS, SA (CASA)		
C-212	2C37-2 Replaces Lear Romec RR52000 E, H 2C27-2 Replacement Cartridge for 2C37-2	AC520251
CN-235 CN-235-100, CN-235-200	1C12-34 1C7-21 Replaces CASA, AC510007B, CASA, AC500116E07	AC510007B AC500116E07
deHAVILLAND		
DHC-6 Model 100, 200, 300, Twin Otter	1D2-17 Replaces Airborne 1D2-14 Adel 71383, 72368-1; Hydro-Aire 60-611A, 160-011, 160-065; Lear Romec RR12830A, RG12838 2B7-1	C6SC1005-5
DHC-6 Model 300 Twin Otter		
DASH 8-400	9C35-3 9C36-1 Replacement Cartridge for 9C35-3	8SC0743 8SC0775
EMBRAER		
EMB-110P1, P2 Bandierante	2C37-1 Replaces Hydro-Aire 160-03301 and 84650-2B Embraer 160-033 and 72390-3A, -4A 2C27-2 Replacement Cartridge for 2C37-1	
EMB-120 Brasília ERJ-145	1C7-17 2C7-1	
ERJ-135	2C7-1	
EUROCOPTER FRANCE (Aerospatiale)		
AS-350D Astar	1C45-2 (Includes Valve Assembly) Replaces Aerospatiale 350A55-1011-3 Zenith P94B12-203 1C45-3 (Fuel Pump only for above 1C45-2)	350A55-1011-3

Aircraft Model	Airborne Fuel Pump Model	OEM Part Number
EUROCOPTER FRANCE (Aerospatiale)		
AS350B, B1, B2, BA, C, D, D1	1C45-4 (Includes Valve Assembly) Replaces Aerospatiale 704A44510.040, Zenith P94B12-208, -203, -207, -209 1C45-5 (Fuel Pump for 1C45-4)	350A55-1011-3
SA360C Dauphin	1C44-1 Replaces Bronzavia C11BC0031 Intertechnique 2030H02 Zenith P94C16-601, -602	
Twin Star, AS355E, AS355F, AS355F1, AS355F2, AS355N, Dauphin 2, SA365N, SA365NN1, AS365N2 AS332 L & L1, Super Puma	1C44-2 Replaces Bronzavia C11BC0031 Intertechnique 2030H02 Zenith P94C16-601, -602 1C64-8 Replaces Bronzavia, C11BA-0102, C11BC-041, C11BD-011, C11BD-021 Zenith, P94C16-608 1C27-20 Replacement Cartridge for 1C64-8	
EUROCOPTER DEUTSCHLAND (M.B.B.)		
BO-105 BK-117, A1, A3, A4, B1, B2, & C1 BO-105, CB, CBS	2C27-3 Replacement Cartridge for 1C64-2 1C64-7 Replaces Steinheil Lear Siegler AG D107319 Replacement Cartridge 1C27-19	117-64151-01, 117-64151-03 D107318
FAIRCHILD (Swearingen)		
SA226-T, -AT, -TC, -T(B), SA227-AC, -AT, -TT Metro & Merlin F27, F27A, B, F, GJ,M,FH-227, B thru -E	1C49-5 Replaces Airborne1D2-9, 1C49-3; Adel 72286, 72444; Hydro-Aire 160-009 1C42-1 Replaces Pesco 122723-200-01/02 1C27-5 Replacement Cartridge for 1C42-1	
FAIRCHILD-DORNIER		
DO-28D-DO 28 D-1	1C12-23	
DO-228-100, -101, -200, -201	1C12-32 Replaces Intertechnique 203857-2, -2A	
DO 328-100	1C12-42 Replaces Steinheil Optronik	SP-001A 2801000205
FOKKER		
F27 Mark 50, 100-700	1C42-1 Replaces Pesco 122723-200-02/02 1C27-5 Replacement Cartridge for 1C42-1	
G.A.F.		
Nomad N22, N24	2B6-34	
Nomad N22B, N24A	2C6-2 Replaces Airborne 1C6-14	
GULFSTREAM (Twin Commander Aircraft)		
500B, 500S, 500V, 680T, V, W, 681,	1C15-1	630160-509

Aircraft Model	Airborne Fuel Pump Model	OEM Part Number
GULFSTREAM (Twin Commander Aircraft)		
680T, V, W, 681, 690, 690A, 690B	1D3-4 Replaces Lear Romec RG21640, RR52270	630309-503
690C, 690D, 695, 695A, 695B	3B7-4 Replaces Weldon 10044A	630390-503
700	1C6-17 2B7-35 Replaces Airborne 2B6-38	
GULFSTREAM AEROSPACE		
G-1159, A, B, G-IV, G-V	1B5-10, 1B5-17 Oil Pump	
HARBIN AIRCRAFT		
Y12-IV	2C37-5 2C27-2 Replacement Cartridge for 2C37-5	
HILLER		
UH-12D UH-1D, 12E	2B6-52 2B6-69 (Turbine)	
ISRAEL AIRCRAFT		
1124/1124A Westwind	2C40-1 Replaces IAI 5653744-503, -505	5653744-507
1125 Astra	1C55-2	V25W652003-501
Galaxy	2C40-5	4AS6520003-001
JETSTREAM AIRCRAFT LTD.		
Jetstream 3100 Jetstream 3200 and 41 Jetstream 3200 and 41	2C6-5 2C37-3, -4, or -6 2C27-4 Replacement Cartridge	
KAMAN AEROSPACE CORP.		
KMAX 1200	1C64-9 2C27-3 Replacement Cartridge for 1C64-9	
LEARJET, INC.		
Learjet 45	1C12-39	
MACHEN		
Aerostar, Bonanza Conversions	2B6-84	
MITSUBISHI		
MU-2B-26A, -40, -60 (Except S/N 356 & 700) MU-300 (Beech Model 400)	1C12-3 Replaces Mitsubishi 035A948426-1 1C7-9 1C7-15	035A948426-1 45AS48015-3 45AS48015-2

Aircraft Model	Airborne Fuel Pump Model	OEM Part Number
PIPER		
PA-31-350 Chieftain T1020	2B6-63 Replaces Airborne 2B6-50	481 802
	2B6-64 Replaces Airborne 2B6-51	481 801
PA-31P Navajo	1C6-9	481 755
PA-31P-350 Mojave	2C6-7	481 840
PA-31T, PA-31T2, PA-31T3, PA-42 Cheyenne;	1C54-1 Replaces Airborne 1C15-4; Lear Romec RG12400, RG52400B, RG52400D	481 844
PA-32-300 Cherokee "6"	1B5-6	481 708
PA-34-200 Seneca	2B6-44	481 708
PA-34-200 & PA-34-200T Seneca, S/N 34-750309 & Up	2B6-44	481 776
PA-34-220T, S/N 34-4480001 & Up	2B6-86	461 724
PA-36-285 Pawnee Brave	2B6-16	481 748
PA-36-300 Pawnee Brave	2B6-36	481 768
PA-46-310P Malibu	1C15-7	481 854
	1B9-4	481875
PA-46-350 P	1B9-4	481875
	2C6-7	481840
Aerostar 600,601, 601P	2B6-6	481 813
PA-60-602P	2B6-73	481 833
PA-60-700P	2B6-75	481 836
RAYTHEON AIRCRAFT Co. (Beech)		
56TC, A56TC, 58P 58TC Baron, B60 Duke	1D1-6 Replaces Adel 70708-2, -3, -8, -9, 72930 Lear Romec RR12870	60-389010-15
65B80 Queen Air 65, A54, 65B80, A65-8200, 70 Queen Air	1D1-7 1D1-8 Replaces Adel 70623-2, 71599, 71599-1; Lear Romec12850A	50-389041-11 50-389041-9
C90 King Air	1C12-1 Replaces Adel 56881-2,-3; Globe 164A143	50-38094-5
Model 2000, 2000A Starship	1C68-1	122-389001-5
Model 1900 C & D	1C64-5 1C27-18 Replaces cartridge for 1C 64-5 Replaces Adel 71154-1, 71554, 71171, 72443	118-389006-5
E90 King Air	1D2-13 Replaces Adel 71154-1, 71554, 72271, 72443	50-380177-7
A100, B100, 200, 300, 350 King Air, B99	1D2-12 Replaces Adel 71154-1, 71554, 72271, 72443	50-380177-5
Model 400 Beechjet (MU-300)	1C7-9 1C7-15	45AS48015-3 45AS48015-2
HS, 125-700A BAE 125-800A Hawker (HS 125) All Models	2B6-72 APU Fuel Pump 2C40-2	

Aircraft Model	Airborne Fuel Pump Model	OEM Part Number
SCHAEFER AIRCRAFT		
PA-31P-135 Commanchero, -350 Commanchero 500	2B7-40	
SINO SWEARINGEN		
SJ-30	2C40-7	
SOCATA (Aerospatiale)		
TBM 700	1B9-5 Replaces Weldon 2003B	Z00. N6097727224 TBM
SOLOY HILLER		
UH-12D, 12E	2B6-69	

FUEL FILTERS • Applications Information

Aircraft Model	Airborne Fuel Filter Part Numbers	OEM Part Number	Airborne Replacement Filter Element Part Number
CESSNA			
208	1J18-10		D9-55-1
402C,404	1J16-1	9910203-2	D9-47-2
406	1J16-2	9910516-1	D9-55-1
414A,421C	1J16-1	9910203-2	D-47-2
425	1J16-2	9910516-1	D9-55-1
RAYTHEON AIRCRAFT Co. (Beech)			
C-90, F-90, 100, 200, 300	1J18-4	109-389000-1	D9-55-1



CROSS REFERENCE

Airborne Pump Model to Aircraft

Note: This chart is for reference only; for aircraft application information, refer to the aircraft maintenance manual.

Airborne Pump Model	Aircraft Model
1B5-6	Piper PA-32-300, PA-32-301, PA-32R-301, PA-32RT-301
1B5-8	Cessna 421
1B5-10, Oil Pump	Gulfstream G-1159, A, B
1B5-11, Oil Pump	Canadair CL 415, CL-600, CL-601, CL-601-3A, Regional Jet Series 100
1B9-4	Piper PA 46-310P, PA 46-350 P
1B9-5	SOCATA TBM 700
2B6-6	Aerostar 600, 601, 601P
2B6-9	Bellanca 17-30A
2B6-16	Piper PA-36-285
2B6-28	Superseded by 2B6-44
2B6-32	Superseded by 2B6-63
2B6-33	Superseded by 2B6-64
2B6-34	G.A.F. Nomad N22, N24
2B6-35	Superseded by 2B6-64
2B6-36	Piper PA-36-300
2B6-38	Superseded by 2B7-35
2B6-44	Piper PA-34-200T (S/N 34-200, S/N 34-7570309 & Up)
2B6-47	Bellanca 17-31A, 17-31ATC
2B6-50	Superseded by 2B6-63
2B6-51	Superseded by 2B6-64
2B6-52	Hiller UH-12E
2B6-63	Piper PA-31-350
2B6-64	Piper PA-31-350
2B6-69	Soloy Hiller UH-12D, 12E
2B6-71	British Aerospace Bulldog
2B6-72	Raytheon Corporate Jets (British Aerospace) HS.125-700A, BAe 125-800A
2B6-73	Piper PA-60-602P
2B6-75	Piper PA-60-700P
2B6-81	Canadair CL-415
2B6-84	Machen Aerostar Conversion, Bonanza Conversion
2B6-86	Piper PA-34-220T (S/N 34-4480001 & Up)
2B7-1	DeHavilland DHC-6-300
2B7-29	Cessna 402C, 404, 414A, 421C
2B7-35	Gulfstream Commander 700
2B7-40	Schaefer 31P-135 Comanchero, 31-350 Comanchero 500
2B7-51	Superseded by 2B7-29
3B7-1	Superseded by 3B7-4
3B7-4	Gulfstream 690C, 690D, 695, 695A, 695B
1C3-4, -9	Hughes 369A, D, HE, HM, HS (500)
1C6-1	Superseded by 1C6-10
1C6-2	Superseded by 1C6-9
1C6-9	Piper PA-31P
1C6-10	Cessna 310, 320, 340, 401, 402, 411, 421A, 421B
1C6-14	Superseded by 2C6-2
1C6-17	Gulfstream Commander 700
1C7-3	Superseded by 1C7-12

Airborne Pump Model	Aircraft Model
1C7-5	Superseded by 1C7-13
1C7-9	Mitsubishi MU-300
1C7-12	Cessna 500, 550, S550, 552
1C7-13	Cessna 500, 525, 550 (British)
1C7-15	Beechjet 400 (MU-300)
1C7-17	Embraer EMB-120
1C7-21	CASA CN235, -100, -200
1C12-1	Beech C90
1C12-3	Mitsubishi MU-2B-25, -26, -26A, -35, -36A, -40, -60
1C12-17	Cessna 406, 441
1C12-23	Dornier DO 28 D, DO 28 D-1
1C12-32	Dornier DO 228-100, -101, -200, -201
1C12-34	CASA CN235, -100, -200
1C12-39	Learjet 45
1C12-42	Fairchild-Dornier DO 328-100
1C15-1	Superseded by 1C15-4
1C15-4	Superseded by 1C54-1
1C15-7	Piper PA-46-310P
1C27-4	Superseded by 1C27-10
1C27-5	Fokker F27, 100 thru 700, Fairchild F-27, A, B, F, G, J, M, FH-227, B thru E, F50
1C27-9	Superseded by 1C27-14
1C27-10	Bell 206B, Bell 407, Bell 427, MCD, MD500N
1C27-11	Agusta A109, A109A, A109A11 A109C, A109K2
1C27-12	Superseded by 1C27-14
1C27-14	Cessna 650 Citation III, VI, VII
1C27-18	Beech 1900
1C27-19	Eurocopter BK-117
1C27-20	Eurocopter Super Puma AS-332L, L1
1C35-1	Superseded by 1C38-1
1C36-1	Bell 206L, 206L-1
1C36-4	Bell 407, 407T
1C38-1	Bell 206B
1C38-4	McDonnell Douglas MD500N
1C39-2	Bell 427
1C42-1	Fokker F27, 100 thru 700, Fairchild F-27, A, B, F, G, J, M, FH-227, B thru E, F50
1C44-1	Eurocopter SA360C
1C44-2	Eurocopter AS355E, F, F1, F2, 2N, SA365N, SA365N1, AS365N2
1C45-2	Eurocopter AS-350D
1C45-3	Eurocopter AS-350D (Pump only)
1C45-4	Eurocopter AS-350 B, B1, B2, BA, C, D, D1
1C45-5	Eurocopter AS-350 (Pump only)
1C45-7	Bell 206L-3 Gemini ST, Bell 206LT
1C45-6	Bell 206L-3 Gemini ST (Pump only), Bell 206LT
1C49-3	Superseded by 1C49-5
1C49-5	Fairchild Swearingen SA226-T, -AT, -T(B), -TC, SA227-AC, -AT, -TT
1C54-1	Piper PA31T, T1, T2, T3, PA-42

Airborne Pump Model	Aircraft Model
1C55-2	Israel Aircraft 1125 Astra
1C55-7	Cessna 650, III, VI, VII
1C56-2	Cessna 650 Citation III
1C64-1	Bell 205A, 205A-1, 212, 412
1C64-2	Eurocopter, B0-105
1C64-5	Beech 1900
1C64-7	Eurocopter BK-117, B0-105
1C64-8	Eurocopter Super Puma AS-332L, LI
1C64-9	K-Max, (K 1200)
1C64-15	Eurocopter Super Puma AS 332L, L1
1C68-1	Beech Starship 2000, 2000A
2C6-2	G.A.F. Nomad N22B, N24A
2C6-3	Cessna 425
2C6-5	British Aerospace Jetstream 31
2C6-7	Piper PA-31P-350, PA -46-350P
2C6-8	Cessna 441, 441Q
2C7-1	Embraer ERJ-135, ERJ-145
2C12-1	Bell 205A, 205A-1, 212, 412
2C27-1	Bell 206B, 206L, 206L-1
2C27-2	Embraer EMB-110P1, EMB-110P2
2C27-2	CASA 212, Harbin Y12-IV
2C27-3	Bell 205A-1, 212, 412, Eurocopter B01-05, K-Max 1200,
2C27-4	Jetstream 3200, Jetstream 41
2C35-3	Agusta A109, A109A, A109A11, A109C, A109K2
2C37-1	Embraer EMB-110P1, EMB-110P2
2C37-2	CASA 212
2C37-3	Jetstream 3200, Jetstream 41
2C37-4	Jetstream 3200, Jetstream 41
2C37-5	Harbin Y12-IV
2C37-6	Jetstream 3200, Jetstream 41
2C40-1	Israel Aircraft 1124/1124A
2C40-2	Raytheon Corporate Jets HS125 Series
2C40-5	Israel Aircraft Galaxy
2C40-7	Sino Swearingen SJ-30
1D1-1	Superseded by 1D1-6
1D1-6	Beech 58P, 58TC, B60, 56TC, A56TC
1D1-7	Beech 65-B80
1D1-8	Beech 65, A65, 65-B80, A65-8200, 70
1D2-6	Superseded by 1D2-12
1D2-7	Superseded by 1D2-13
1D2-9	Superseded by 1C49-5
1D2-12	Beech C90, B99, A100, B100, 200
1D2-13	Beech E90
1D2-14	Superseded by 1D2-17
1D2-17	DeHavilland DHC-6-100, -200, -300
1D3-1	Superseded by 1C54-1
1D3-4	Gulfstream Commander 690, 690A, 690B, 680T, 680V, 680W, 681



CROSS REFERENCE

Non-Airborne Pump Model or Customer Part Number to Airborne Pump Model

Non-Airborne Fuel Pumps	Equivalent Airborne Model
ADEL	
56881-2	1C12-1
56881-3	1C12-1
70346	1C6-10
70597	1C6-10
70623-2	1D1-8
70708-3	1D1-6
71154-1	1D2-12,13
71383	1D2-17
71554	1D2-12,13
71599	1D1-8
71599-1	1D1-8
71708-2	1D1-6
71708-3	1D1-6
71708-8	1D1-6
71708-9	1D1-6
72271	1D2-12,-13
72286	1C49-5
72368-1	1D2-17
72443	1D2-12,-13
72444	1C49-5
72477	1C12-17
72930	1D1-6
AGUSTA	
109-0611-53-1	2C35-3
BRONZAVIA	
C11BA-0102, C11BC-041 C11BD-011, C11BD-021	1C64-8
C11BC0031	1C44-1,-2
CASA	
AC510007B	1C12-34
AC500116E07	1C7-21
CESSNA	
9910202-1	2B7-29
9910202-2	2B7-29

Non-Airborne Fuel Pumps	Equivalent Airborne Model
9910202-3	2B7-29
9910202-4	2B7-29
DUKES	
1613-00-1	2C6-8
EUROCOPTER FR. (Aerospatiale)	
350A55-1011-3	1C45-2, 1C45-4
HYDRO-AIRE (Crane)	
60-611A	1D2-17
160-009	1C49-5
160-011	1D2-17
160-033	2C37-1
160-065	1D2-17
INTERTECHNIQUE	
2030H03	1C44-1,-2
203857-2,-2A	1C12-32
2070-C-01	2C40-2
2070-C-11	2C40-2
2070-C-01	2C40-1
2070-C-11	2C40-1
LEAR ROMEC (Crane)	
RG12160	1C38-1
RG12400	1C54-1
RG12440	1C64-1
RG12470	1C64-1
RG12650	1C38-1
RG12838	1D2-17
RG21640	1D3-4
RG45290	1C12-17
RG52400B, D	1C54-1
RR12830A	1D2-17
RR12850A	1D1-8
RR12870	1D1-6
RR52000E, H	2C37-2
RR52270	1D3-4
RR53710A, D, F	1C12-17

Non-Airborne Fuel Pumps	Equivalent Airborne Model
MITSUBISHI	
AP25/15	1C12-1
PESCO	
122723-200-01/02	1C42-1
SECONDO MONA	
SM2217	1C38-1
STELLAR	
S23474	1C6-10
S2861-2	1C38-1
THOMPSON	
TB258800-6	2C40-2
GLOBE MOTORS	
164A102	1C6-10
164A134	1C3-4
164A136	1C38-1
164A143	1C12-1
164A176	1C38-1
164A204	1C38-1
164A212	1C38-1
WELDON	
10030A	2B7-29
10032A	2B7-29
10044A	3B7-4
8150A/B	1B5-8
	1B9-4
2003B	1B9-5
ZENITH	
P94C16-601, -602	1C44-1,-2
P94B-12-203,-207,-208,-209	1C45-2, 1C45-4
P94C16-608	1C64-8

Note: This chart is for reference only; for aircraft application information, refer to the aircraft maintenance manual.



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