

FIP DC Pumps for Bilge, Deckwash & Refueling



With their high level of flexibility, these pumps are ideally suited for use in boats as bilge and deckwash pumps, fresh water pumps, refuelling pumps for oil and diesel. These pumps may be combined with a vacuum switch for automatic operation. Capacities vary from max 15 l/min to 55 l/min, allowing the proper matching of the pump to the application. All motors are heavy duty to provide long service life even under heavy use. Available in 12 or 24 volts.



CE marked according to following standards:

F2P10-19, F3B-19, F4B-19, F4B-11

EN50082-1: 1992/Generic EMS Standard

EN55014: 1993/Radio disturbance

IEC801-2: 1984/Electrostatic Discharge

IEC801-3: 1984/Radiated Immunity Test

ISO8846: Small Craft – Electrical devices – Protection against ignition of surrounding flammable gases

ISO8849: Small Craft – Electrically operated bilge pumps

ISO10133: Small Craft – Electrical systems – Extra-low voltage d.c. installations

F5B-19 12/24 V

EN55014: 1993/Radio disturbance

F2P10-19 – CAPACITY 15 L/MIN

Fully equipped, self-priming multipurpose pump operating on a simple and uncomplicated principle. Ideal for pumping water, oils and chemicals.

Order No.	Description	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
10-24886-01	F2P10-19, 12V	PA	09-1077B-9	Lip seal	1/2" hose	172 mm – 6.8"	117 mm – 4.6"	78 mm – 3.1"	1,6 kg – 3.5 lbs
10-24886-02	F2P10-19, 24V	PA	09-1077B-9	Lip seal	1/2" hose	172 mm – 6.8"	117 mm – 4.6"	78 mm – 3.1"	1,6 kg – 3.5 lbs

Includes Nitrile impeller



F3B-19 – CAPACITY 21 L/MIN

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.

Order No.	Description	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
10-24516-01	F3B-19, 12V	Bronze	09-843S-9	Lip seal	3/8" BSP	170 mm – 6.7"	113 mm – 4.4"	82 mm – 3.22"	2 kg – 4.5 lbs
10-24516-02	F3B-19, 24V	Bronze	09-843S-9	Lip seal	3/8" BSP	170 mm – 6.7"	113 mm – 4.4"	82 mm – 3.22"	2 kg – 4.5 lbs

Includes Nitrile impeller



F3B-19 OIL CHANGE – CAPACITY 21 L/MIN

Reversible rubber impeller pump with integrated quick reversing switch. Designed to remove old oil from the engine/fill new oil back into the engine.

Order No.	Description	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
10-24760-01	F3B-19 Oil change, 12V	Bronze	09-843S-9	Lip seal	3/8" BSP	170 mm – 6.7"	113 mm – 4.4"	115 mm – 4.5"	2,1 kg – 4.5 lbs
10-24760-02	F3B-19 Oil change, 24V	Bronze	09-843S-9	Lip seal	3/8" BSP	170 mm – 6.7"	113 mm – 4.4"	115 mm – 4.5"	2,1 kg – 4.5 lbs

Includes Nitrile impeller



F38B-19 – CAPACITY 35 L/MIN

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.

Order No.	Description	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
10-24727-01	F38B-19, 12V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" BSP	180 mm – 7"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs
10-24727-02	F38B-19, 24V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" BSP	180 mm – 7"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs

Includes Nitrile impeller



F3 IMPELLER NITRILE

Order No. 09-843S-9

For more information see p. 50.

F4B-19 – CAPACITY 48 L/MIN

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.

Order No.	Description	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
10-24689-01	F4B-19, 12V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" BSP	202 mm – 8"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs
10-24689-02	F4B-19, 24V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" BSP	202 mm – 8"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs

Includes Nitrile impeller





F4B-11 ULTRA BALLAST – CAPACITY 52 L/MIN

Designed to quickly fill or, when reversed, drain a ballast tank at a rate of more than 45 l/min (12 GPM). Capable of pumping fresh or sea water the pump's robust design can handle the rigors of continuous duty usage, is reversible and has a built in thermal overload for added protection. Polarity reversing switch kit available as accessory. Care not to run dry for extended periods of time will increase the pump longevity and ensure reliable performance for many years. *Note! Only for waterhandling.*

Order No.	Description	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
10-24690-01	F4B-11 Ultra Ballast, 12 V	Bronze	09-824P-1	Lip seal	Hose 1" / 1/2" BSP	202 mm – 8"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs
10-24690-02	F4B-11 Ultra Ballast, 24 V	Bronze	09-824P-1	Lip seal	Hose 1" / 1/2" BSP	202 mm – 8"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs
10-24690-09	F4B-12 Ultra Ballast, 12 V	Bronze	09-824P-2 (Orange)	Lip seal	Hose 1" / 1/2" BSP	202 mm – 8"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs
10-24690-10	F4B-12 Ultra Ballast, 24 V	Bronze	09-824P-2 (Orange)	Lip seal	Hose 1" / 1/2" BSP	202 mm – 8"	120 mm – 4.72"	90 mm – 3.54"	3 kg – 6.6 lbs

Includes EPDM-impeller

F4 IMPELLER

Order No. 09-824P-9
For more information see p. 50.

F5B-19 – CAPACITY 55 L/MIN

For bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.



Order No.	Description	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
10-24188-1	F5B-19, 12 V	Bronze	09-1027B-9	Mech. seal	3/4" BSP	258 mm – 10.15"	131 mm – 5.15"	120 mm – 4.72"	8kg/ 17.5lbs
10-24188-2	F5B-19, 24 V	Bronze	09-1027B-9	Mech. seal	3/4" BSP	258 mm – 10.15"	131 mm – 5.15"	120 mm – 4.72"	8kg/ 17.5lbs

Includes Nitrile impeller

PRESSURE AND CAPACITY DATA (BASED ON WATER AT 20°C/68°F)

F2P10-19						Ampere Draw	
Bar	kPa	psi	l/min	GPM	12 V	24 V	
Count. Duty							
0	0	0	15.0	4.0	5.6	4.0	
0.1	10	1.45	14.5	3.8	5.7	4.0	
0.2	20	2.90	14.0	3.7	5.8	4.1	
0.3	30	4.35	13.5	3.6	5.9	4.1	
0.6	60	8.7	11.0	2.9	6.1	4.2	
Intermittent Duty							
0.75	75	10.8	9.6	2.5	6.5	4.3	
0.9	90	13.0	7.0	1.8	6.5	4.8	
Fuse Required						15 A	8 A

F3B-19						Ampere Draw	
Bar	kPa	psi	l/min	GPM	12 V	24 V	
Count. Duty							
0	0	0	21.0	5.5	8.4	4.0	
0.1	10	1.45	20.5	5.4	8.5	4.0	
0.2	20	2.9	20.0	5.3	8.6	4.1	
0.3	30	4.35	19.5	5.2	8.8	4.1	
0.6	60	8.7	17.8	4.7	9.0	4.2	
Intermittent Duty							
0.9	90	13.0	15.6	4.1	9.6	4.3	
1.2	120	17.4	12	3.2	10.3	4.8	
Fuse Required						15 A	8 A

F38B-19						Ampere Draw	
Bar	kPa	psi	l/min	GPM	12 V	24 V	
Count. Duty							
0	0	0	35.0	9.2	10.9	5.0	
0.1	10	1.45	33.8	8.9	11.0	5.1	
0.2	20	2.9	32.2	8.5	11.0	5.1	
0.3	30	4.35	31.0	8.2	11.1	5.2	
0.6	60	8.7	25.5	6.7	11.9	5.4	
Intermittent Duty							
0.9	90	13.0	15.3	4.0	13.6	6.0	
1.2	120	17.4	2.0	0.5	15.8	7.1	
Fuse Required						20 A	10 A

F4B-19						Ampere Draw	
Bar	kPa	psi	l/min	GPM	12 V	24 V	
Count. Duty							
0	0	0	48.0	12.7	12.2	6.5	
0.1	10	1.45	45.0	11.9	12.3	6.7	
0.2	20	2.9	44.5	11.7	12.2	6.8	
0.3	30	4.35	41.0	10.8	13.1	7.1	
0.6	60	8.7	34.0	9.0	14.9	7.5	
Intermittent Duty							
0.9	90	13.0	25.0	6.6	16.5	7.8	
1.2	120	17.4	11.0	2.9	18.3	8.8	
Fuse Required						25 A	15 A

F5B-19						Ampere Draw	
Bar	kPa	psi	l/min	GPM	12 V	24 V	
Count. Duty							
0	0	0	55.0	14.5	23.2	11.9	
0.3	30	4.35	49.4	13.1	24.2	12.8	
0.6	60	8.7	39.9	10.5	25.1	13.3	
0.9	90	13.0	30.1	8.0	26.2	14.0	
1.2	120	17.4	19.3	5.1	28.0	14.7	
1.5	150	21.76	9.3	2.4	29.8	15.3	
Fuse Required						50 A	25 A
Recommended wire size						16 mm ²	6 mm ²

ACCESSORIES

Polarity Reversing Switch Kit for Ultra Ballast Pump F4B-11

Order No.	Description
09-47196	Polarity Reversing Switch Kit

Vacuum Switch see page 40

Order No.	Description
09-45053	Vacuum Switch

