



# GASOLINE POWERED DIAPHRAGM PUMP MODEL 220G

- SAFE TO RUN WHEN DRY
- VOLUMES TO 18 GPM
- POWERFUL VACUUM LIFTS
- DRY START LIFT TO 15'
- PUMP UP TO 50% SOLIDS
- LOW EMULSIVE & SHEER ACTION
- NON-CLOGGING FLOW-THRU DESIGN
- EASY TO SET-UP, USE, CLEAN, AND MAINTAIN
- PERMANENT AND PORTABLE APPLICATIONS
- BUILT TOUGH FOR YEARS OF SERVICE
- LONG LIFE, REINFORCED PUMP DIAPHRAGMS
- ALL MATERIALS SPECIFIED FOR THE MARINE ENVIRONMENT

Edson Gasoline Powered Diaphragm Pumps are designed for tough jobs and remote and mobile applications such as: dewatering excavation sites, municipal and utility vehicles, waste oil collection, oil spill clean-up, HAZMAT pumping, sewage collection, well monitoring, mill pond dewatering, farm waste pumping, and marine light dredging.

Order Nos.220GLA-150 and 220GLB-150 are the Edson gasoline engine powered, skid mounted, nominal 40 gallon per minute, 1.5", NPT, diaphragm pumps. The 220GLA is built with the wetted parts made of anodized aluminum and the 220GLB wetted parts are marine bronze. Order Nos.220GWA-150 and 220GWB-150 are the cart mounted version with wheels and handle for portability. The standard models are supplied with a 3.5 HP gasoline engine and a 57 to 1 ratio gear reducer as standard components. With this combination of motor and reducer these pumps will operate at 56 cycles per minute and perform as detailed in the 56 cycle performance chart on page 2.

The unique direct coupling of the gasoline engine to the gear reducer provides the option to power this pump with an electric motor at any time.

The performance charts on page 2 detail the pumps performance at different speeds.

For pumping materials that require rubber with different chemical resistant properties Edson offers optional diaphragms and valves made of Viton or EDPM. Call Edson customer service for more details.



220GLB-150



220GWA-150

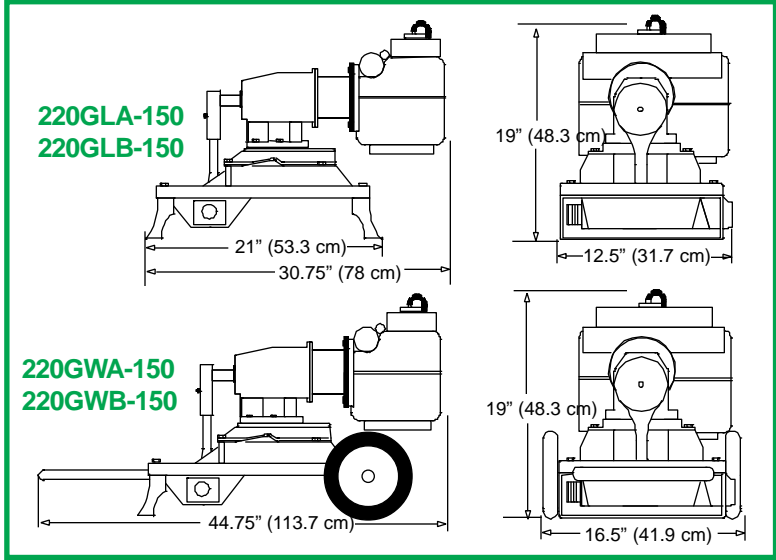
**Performance:** Static Head - Suction 18 ft / 5.48m , Discharge - 18 ft / 5.48m (1.5" Hose or Pipe) ● Dry Suction Head - 15 ft / 4.57m (1.5" ID Pipe or Hose) ● Continuous Duty Discharge Head - Should be Limited to 10 ft. / 3m ● Max Volume - 18 GPM / 68.14 LPM at 5 ft Suction Lift and 0 Discharge at 56 Cycles per Min. w/ 1.5" Pipe

**Construction:** Anodized Aluminum or Marine Bronze Pump Body ● Nitrile Diaphragm and Valves ● Stainless Steel Hardware ● Aluminum Frame ● Leg or Wheel Mounted Frame

**Connections:** Inlet - 1.5" Male NPT ● Discharge - 1.5" Female NPT

**Standard Power Drive:** 3.5 Hp Briggs & Stratton Engine Mounted to a C-Face Gear Reducer

**Options:** Viton® and EDPM Diaphragm and Valves ● Motor Guard ● Control Panels ● Start/Stop Stations ● Optional Motors ● Halar and Baked on Polyurethane Coatings for Wetted Parts (See Page 2 For Details)



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**ENVIRONMENTAL**

- Tank Pump-Outs
- Grease & Oil Collections
- Skimming Pumping
- Asbestos Clean-Ups
- Oil Spill Clean-Up

**INDUSTRIAL**

- Sump Pump-Outs
- Drum Transfer
- Spill Cleanup
- Drain Dewatering

**MARINE**

- Pump-Out Stations
- Light Dredging
- Emergency Dewatering
- Boatyard Utility Pump
- Oil Spill Cleanup

**MUNICIPAL & UTILITY**

- Sewage Collection & Transfer
- Waste Water Skimming
- Drain Clean-Out
- Utility Trunk Pump
- Fly Ash Clean-Ups
- Containment Transfer
- Meter Pit Dewatering
- Manhole Dewatering

**Volume Performance Charts**

		DISCHARGE HEIGHT		
		0	5 feet 1.5 meters	10 feet 3 meters
SUCTION HEIGHT	1 foot .3 meters	18 gpm 68.4 lpm	17 gpm 64.6 lpm	17 gpm 64.6 lpm
	5 feet 1.5 meters	17.5 gpm 66.5 lpm	17 gpm 64.6 lpm	15.5 gpm 59 lpm
	10 feet 3 meters	16.5 gpm 62.7 lpm	15 gpm 57 lpm	13.5 gpm 51.3 lpm
	17 feet 4.2 meters	6 gpm 22.8 lpm	5 gpm 19 lpm	4 gpm 15.2 lpm

		DISCHARGE HEIGHT		
		0	5 feet 1.5 meters	10 feet 3 meters
SUCTION HEIGHT	1 foot .3 meters	12.9 gpm 49 lpm	12.1 gpm 46 lpm	12.1 gpm 46 lpm
	5 feet 1.5 meters	12.5 gpm 47.5 lpm	12.1 gpm 46 lpm	11 gpm 41.8 lpm
	10 feet 3 meters	11.8 gpm 44.8 lpm	10.7 gpm 40.7 lpm	9.6 gpm 36.5 lpm
	17 feet 4.2 meters	5 gpm 19 lpm	4 gpm 15 lpm	3 gpm 11.5 lpm

		DISCHARGE HEIGHT		
		0	5 feet 1.5 meters	10 feet 3 meters
SUCTION HEIGHT	1 foot .3 meters	11.6 gpm 44.1 lpm	10.9 gpm 41.4 lpm	10.9 gpm 41.4 lpm
	5 feet 1.5 meters	11.3 gpm 42.9 lpm	10.9 gpm 41.4 lpm	10 gpm 38 lpm
	10 feet 3 meters	10.6 gpm 40.3 lpm	9.6 gpm 36.5 lpm	8.7 gpm 33.1 lpm
	17 feet 4.2 meters	5 gpm 19 lpm	4 gpm 15 lpm	3 gpm 11.5 lpm

		DISCHARGE HEIGHT		
		0	5 feet 1.5 meters	10 feet 3 meters
SUCTION HEIGHT	1 foot .3 meters	7 gpm 26.5 lpm	6 gpm 22.8 lpm	5 gpm 19 lpm
	5 feet 1.5 meters	6 gpm 22.8 lpm	5.5 gpm 21 lpm	5 gpm 19 lpm
	10 feet 3 meters	5.5 gpm 21 lpm	5 gpm 19 lpm	5 gpm 19 lpm
	17 feet 4.2 meters	5 gpm 19 lpm	4 gpm 15 lpm	3 gpm 11.5 lpm

		DISCHARGE HEIGHT		
		0	5 feet 1.5 meters	10 feet 3 meters
SUCTION HEIGHT	1 foot .3 meters	4.6 gpm 17.5 lpm	4 gpm 15.2 lpm	3.3 gpm 12.5 lpm
	5 feet 1.5 meters	4 gpm 15.2 lpm	3.6 gpm 13.7 lpm	3.3 gpm 12.5 lpm
	10 feet 3 meters	3.6 gpm 13.7 lpm	3.3 gpm 12.5 lpm	3.3 gpm 12.5 lpm
	17 feet 4.2 meters	3.3 gpm 12.5 lpm	2.7 gpm 10 lpm	2 gpm 7.6 lpm

		DISCHARGE HEIGHT		
		0	5 feet 1.5 meters	10 feet 3 meters
SUCTION HEIGHT	1 foot .3 meters	3 gpm 11.4 lpm	2.6 gpm 10 lpm	2.2 gpm 8.4 lpm
	5 feet 1.5 meters	2.6 gpm 10 lpm	2.4 gpm 9.1 lpm	2.6 gpm 10 lpm
	10 feet 3 meters	2.4 gpm 9.1 lpm	2.6 gpm 10 lpm	2.6 gpm 10 lpm
	17 feet 4.2 meters	2.6 gpm 10 lpm	1.7 gpm 6.5 lpm	1.3 gpm 4.9 lpm

**Ordering Information**

PUMP DESCRIPTION	MATERIAL	WEIGHT lbs / Kgs	ORDER NO.
Skid Mount	Aluminum	83 / 37.6	220GLA-150
Cart Mount	Aluminum	89 / 40.3	220GWA-150
Skid Mount	Bronze	90 / 40.8	220GLB-150
Cart Mount	Bronze	97 / 44.1	220GWB-150

Option order # is added to the basic pump order #, ie 220GWB-200 w/ 230-A-1299 & 230-11318V

**Options**

Option Description	Order #	Option Description	Order #
Motor Guard	230-A-1299	1/2hp, 60 hz, 1725 rpm, 110/220v, 1 ph, ex proof	231-A-1424
Starter Contact/Timer with 24 Volt Trans	230-A-2000	1/2hp, 60 hz, 1725 rpm, 220/440v, 3 ph, tefc	231-A-1383
Remote Sop/Start Control	230-G-215	1/2hp, 60 hz, 1725 rpm, 220/440v, 3 ph, exproof	231-A-1425
Viton Diaphragm & Valves	230-11318V	3/4hp, 12 volt, DC, tefc	231-A-1432
EDPM Diaphragm & Valves	230-11318E	3/4hp, 24 volt, DC, tefc	231-A-1433
Polyurethane Coating	230-PC	1/2hp, 12 volt, DC, tefc	231-A-1426
Halar Coating	230-Halar	1/2hp, 24 volt, DC, tefc	231-A-1427
<b>Optional Motors</b>		Special 50 hz Motors	
3/4hp, VARIABLE, 60/ 50 hz, 110v, 1 ph, tefc	231-A-1211	3/4hp, 50 hz, 2850 rpm, 110/220v, 1 ph, exproof	231-A-1500
3/4hp, 60 hz, 1725 rpm, 110/220v, 1 ph, tefc	231-A-161	3/4hp, 50 hz, 2850 rpm, 110/220v, 1 ph. tefc	231-A-1501
3/4hp, 60 hz, 1725 rpm, 110/220v, 1 ph, ex proof	231-A-1430	3/4hp, 50 hz, 2850 rpm, 220/440v, 3 ph, exproof	231-A-1556
3/4hp, 60 hz, 1725 rpm, 220/440v, 3 ph, tefc	231-A-1429	3/4hp, 50 hz, 1425 rpm, 220/440v, 3 ph, exproof	231-A-1557
3/4hp, 60 hz, 1725 rpm, 220/440v, 3 ph, exproof	231-A-1431	3/4hp, 50 hz, 1425 rpm, 110/220v, 1 ph. tefc	231-A-1558
1/2hp, 60 hz, 1725 rpm, 110/220v, 1 ph, tefc	231-A-1382	3/4hp, 50 hz, 2850 rpm, 220/440v, 3 ph, tefc	231-A-1559
		3/4hp, 50 hz, 1425 rpm, 220/440v, 3 ph, tefc	231-A-1560

