

# Hydraulic-Driven Gear Pump

## Model 8304B-HM5C



This positive-displacement pump is ideal for de-icing/anti-icing (pre-wet). Combining the pump and motor as a single unit eliminates the need for shaft alignment or Love-Joy® coupling. The unit's compact size allows it to be used in a wide variety of locations and makes it especially attractive for quick, easy retrofit installations.

### Pump

- Optional pressure relief valve safeguards against pressure buildup
- Industry-proven gear pump design, minimal moving parts for longevity
- Brass material not corroded by salt solutions

### Motor

- State-of-the-art internal gear gerotor motor maximum service for any application
- Bypass adjustment allows fine tuning of flow control
- 1/2" NPT ports with anti-reverse check safeguards against change in flow direction

### Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max Hyd GPM	Max Hyd LPM
8304B-HM5C	10.4	39.4	100	6.9	4.5	17
8304B	10.4	39.4	100	6.9	4.5	17
8304BV	10.4	39.4	100	6.9	4.5	17

Hydraulic Flow (GPM)	GPM at 0 PSI	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI	GPM at 100 PSI
3.0	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3	2.9
3.5	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.0	4.6	4.2
4.0	9.2	8.9	8.5	8.1	7.8	7.4	7.0	6.7	6.2	5.9	5.5
4.5	10.4	10.1	9.7	9.3	9.0	8.6	8.2	7.9	7.5	7.1	6.8

This data was generated using water as the pumping media. Performance will vary with different viscosity fluids.

Hydraulic pressures vary from 200 to 850 PSI for the performance chart above.

\* Product is to be run above 2.0 GPM hydraulic flow.

# Aqua-Tiger - 12-Volt Centrifugal Pump

## Model 9700B and 9700S



- 12-volt DC motor drive
- Port sizes: 3/4" NPT inlet, 3/4" NPT outlet
- Max. fluid temperature: 140°F/60°C
- Housing: bronze or stainless steel
- Impeller: bronze (9700B) or stainless steel (9700S)
- Seal: lip-type Viton (9700B); mechanical (9700S)
- Weight: 6 lbs./2.7 kg

### Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max Draw
9700B	19	72	7	0.48	11 Amps
9700S	19	72	7	0.48	11 Amps

### 9700B, 9700S - 13.5 VDC (Alternator Engine Running)

### U.S. Units

2 PSI		3 PSI		4 PSI		5 PSI		6 PSI		7 PSI	
GPM	AMPS	GPM	AMPS	GPM	AMPS	GPM	AMPS	GPM	AMPS	GPM	AMPS
16.9	5.3	14.0	5.0	12.5	4.9	10	4.9	6.5	4.1	2.7	3.7

### 9700B, 9700S - 13.5 VDC (Alternator Engine Running)

### Metric Units

0.14 BAR		0.21 BAR		0.28 BAR		0.34 BAR		0.41 BAR		0.48 BAR	
LPM	AMPS	LPM	AMPS	LPM	AMPS	LPM	AMPS	LPM	AMPS	LPM	AMPS
62	5.3	53	5.0	47	4.9	38	4.9	25	4.1	10	3.7