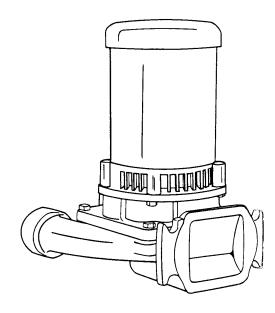
npAgents.com - Click here for Pricing/Ordering



## SERIES GV6

SECTION	2E
PAGE	1
ISSUED	2/03
REPLACES	12/01

## FLANGE-MOUNT CENTRIFUGAL PUMPS



Idel for OEM applications requiring a pump with inlet flange-mounted to tank or other vessel.

Flanged and gasketed inlet will adapt to any flat mounting surface.

Pump may be installed vertically or horizontally.

May be used as replacement pump on Burks Series GV Condensate Return Systems.

### **FEATURES**

- 1/3 thru 3 hp seven stock sizes.
- Capacities to 80 GPM (5 L.P.S.) Heads to 130 feet (39.6M).
- Efficient hydraulic design.
- Enclosed bronze impeller threaded onto stainless steel motor shaft.
- Impeller balanced for smooth, quiet operation.
- Replaceable bronze casing wear ring.
- Back pull-out design allows servicing without disturbing piping.
   Pump casing stays in place.
- Mechanical shaft seal is self-adjusting for temperatures to 225°F (107°C) and pressures to 150 PSI (1034kpa).
- Special seals available for higher temperatures and fluids other than water.
- Tappings provided for venting and flushing seal area.
- Bronze fitted, close grain cast iron construction is standard. All Iron available.
- ODP motors are standard. Drip cover provided for vertical installation.
- EVERY pump is factory tested.

SECTION	2E
PAGE	2
ISSUED	2/03
REPLACES	12/01



## **FEATURES**

MAXIMUM OPERA	TING CONDITIONS
TEMPERATURE (For Standard Buna-N Seal)	225°F (107°C)
INLET PRESSURE	100 PSI (690 kpa)
CASING WORKING PRESSURE	200 PSI (1379kpa)

#### **MOTORS**

Standard pump motors have open drip proof construction and are rated with jet pump service factors for continuous duty operation. Open Drip Proof motors are 56 frame size with NEMA standard mounting flange, one piece threaded stainless steel shaft and ball/ball bearing construction.

### **MOTOR INFORMATION**

60 Hz - 3500 RPM - ODP 50 Hz - 2900 RPM - ODP **Single Phase:** Thru 2Hp - 115/230 Volt.

3Hp is 230Volt only

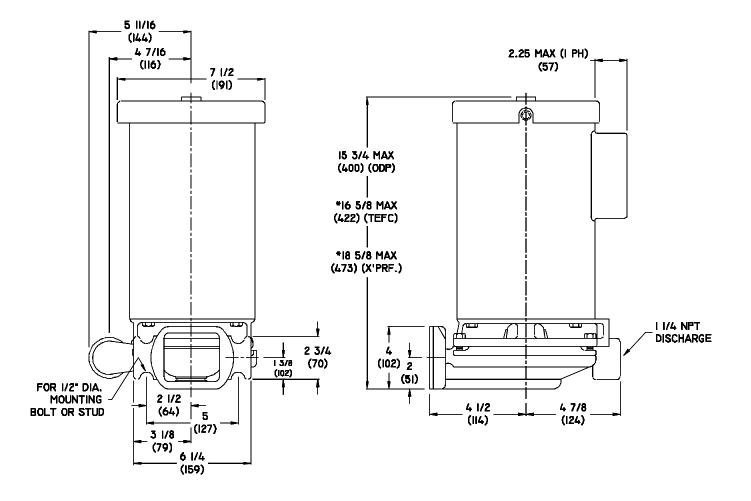
Three Phase: 230/460 Volt.

Voltages may differ from some suppliers. Consult factory.

**Overload Protection:** All single phase ODP and Totally Enclosed motors have built-in overload protection. All three phase motors and all explosion proof motors must be installed with a magnetic starter which provides full 3-leg protection. Failure to use correct starter and overloads will void motor warranty.

MATERIALS OF CONSTRUCTION			
PART ALL IRON		<b>BRONZE FITTED</b>	
Adapter	Cast Iron	Cast Iron	
Casing	Cast Iron	Cast Iron	
Shaft	#303 Stainless	#303 Stainless	
Impeller	Cast Iron	Bronze	
Wear Ring	Steel	Bronze	
Shaft Seal	Carbon-Ceramic S. Steel-Buna-N	Carbon-Ceramic S. Steel-Buna-N	

Series GV6-11/4 pumps are not available with 3 HP Single Phase TEFC motors or 3 HP Explosion Proof motors - single phase.





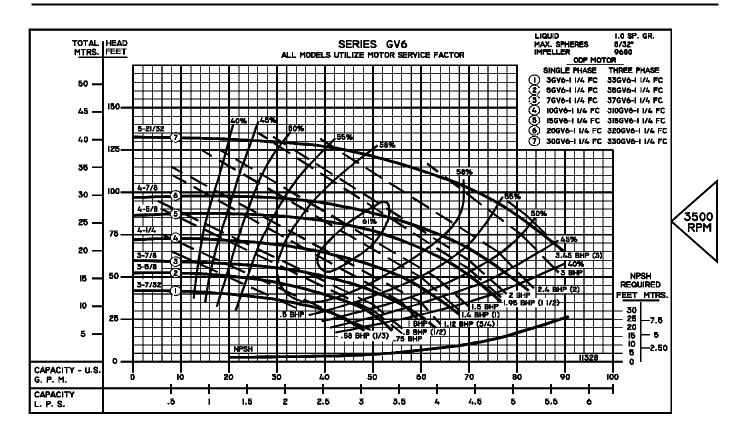
**PUMPS & SYSTEMS** 

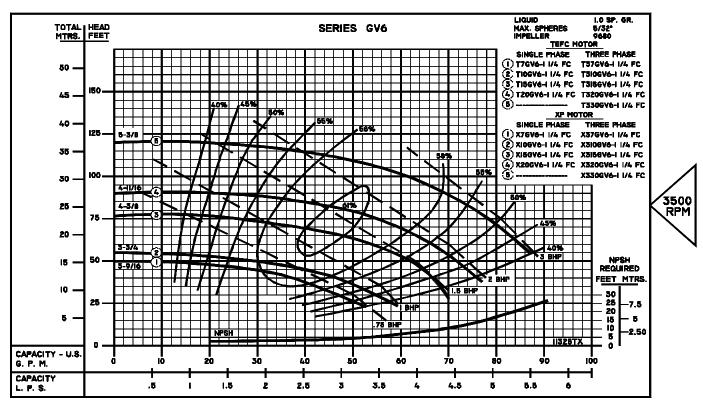


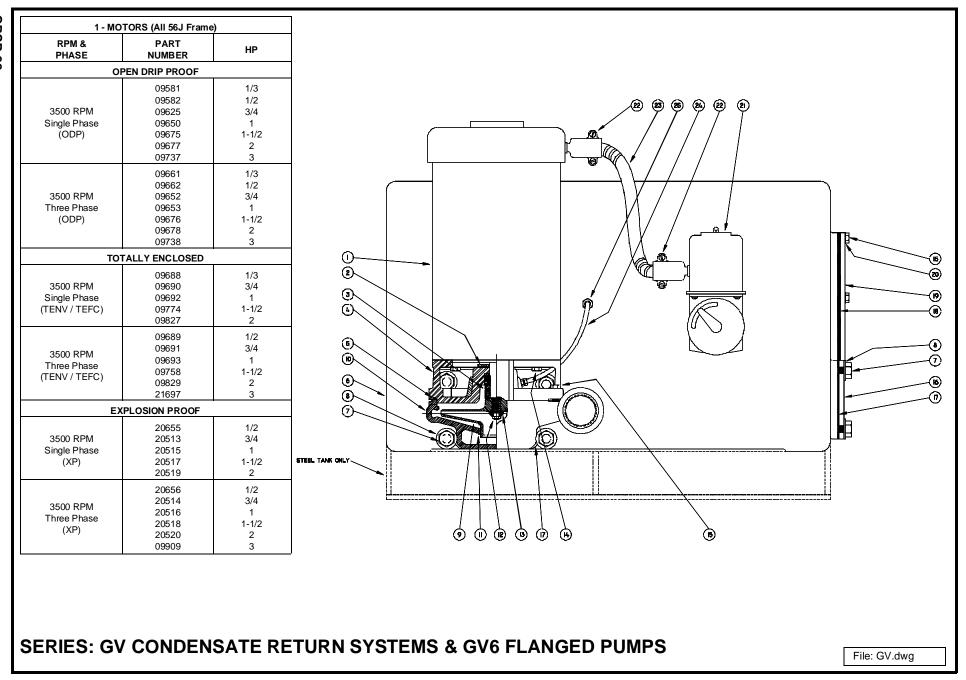
# 60HZ PERFORMANCE CURVE

SECTION	2E
PAGE	3
ISSUED	2/03
REPLACES	12/01

### **END SUCTION CENTRIFUGAL PUMPS**







# www.PumpAgents.com

## PumpAgents.com - Click here for Pricing/Ordering

SYMBOL NUMBER	PART NUMBER	QTY	DESCRIPTION
2 3 4 5	08105 08514 09657-1 22021	1 1 1	Slinger Washer Mechanical Seal - Buna N Adapter O-ring Gasket - Buna N
6	22144 22145 22146 22339 22147 22170 22855 22856 22857	1 1 1 1 1 1 1 1	Receiver Tank - 9 gal. CI Receiver Tank - 14 gal. CI Receiver Tank - 23 gal. CI Receiver Tank - 23 gal. Steel Receiver Tank - 36 gal. CI Receiver Tank - 36 gal. Steel Receiver Tank - 36 gal. Steel Receiver Tank - 52 gal. Steel Receiver Tank - 75 gal. Steel Receiver Tank - 120 gal. Steel
7 8	15-13-6 22234	A/R A/R	Nut Washer
9	09680-3.22 09680-3.63 09680-3.88 09680-4.25 09680-4.63 09680-4.88 09680-5.66	1 1 1 1 1	Impeller - 3GV6/33GV6 Impeller - 5GV6/35GV6 Impeller - 7GV6/37GV6 Impeller - 10GV6/310GV6 Impeller - 15GV6/315GV6 Impeller - 20GV6/320GV6 Impeller - 30GV6/330GV6
10 11 12 13 14 15	22016 22019 21182 21181-C 03122 04235	1 1 1 1 4 A/R	Casing Assy. (Includes Symbol 11) Wear Ring Screw, Imp. Lock - 3PH Only Washer - 3PH Cap Screw Cap Screw

SYMBOL NUMBER	PART NUMBER	QTY	DESCRIPTION
16	22072	1	Cover
17	22018	A/R	Gasket, Pump to Tank
18	04177	1	Gasket - 23 & 36 Gal. Tanks
19	22161	1	Cover - 23 & 36 Gal. Tanks
20	01609-A	6	Washer - 23 & 36 Gal. Tanks
	22167	1	Float Switch - Simplex
•	22166	1	Mech. Alternator - Duplex
0.4	22264	1	Mech. Alternator - Duplex XP
21	22266	1	Float Switch - XP Simplex
1	22265	1	Float Switch - Watertight Simplex
l	22263	1	Mech. Alternator - Watertight Duplex
	02313		Connector, Conduit - Straight
22	01622	A/R	Connector, Conduit 90°
	01623		Connector, Conduit - 45°
23	S6518	A/R	Conduit (Specify Length)
24	22043	A/R	Tube
25	21222	A/R	Connector
Not Shown	22334	1	Float
Not Shown	B8283-1-E4	1	Plate, Switch - 20 Gal. Tanks
Not Shown	B8285-1-L13	1	Gasket, Plate - 20 Gal. Tanks
Not Shown	A5670-E4	A/R	Flange - 20 Gal. Tanks
Not Shown	A6579-L6	1	Gasket, Flange - 20 Gal. Tanks

# www.PumpAgents.com

For technical advice or service please take your pump into your local pump service center
To order pump or parts or for pricing please go to the following links:
Burks Pumps Home >>
Burks Pumps stock list >>
•