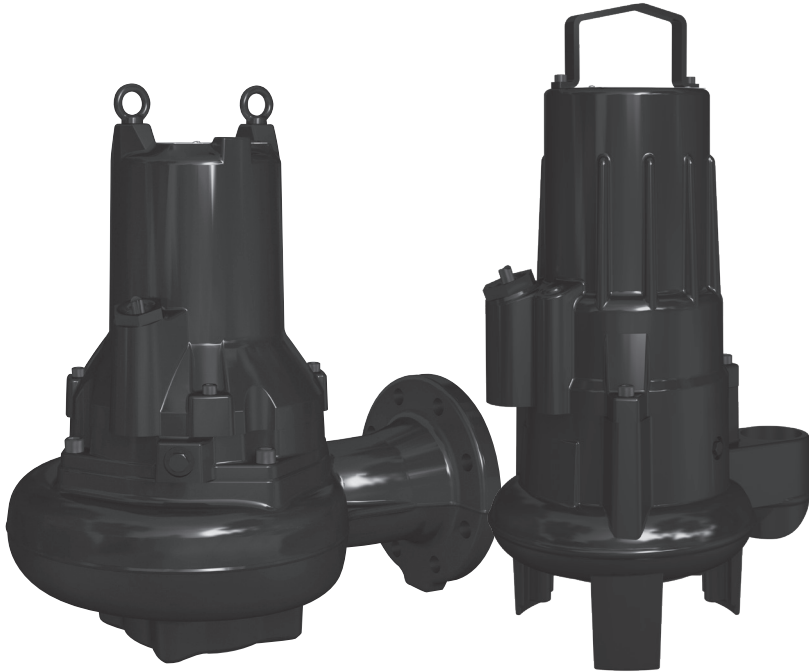




# GFK & GFV Series

SUBMERSIBLE SEWAGE PUMPS

### FEATURES

**SELF-CLEANING:** The patented design of the self-cleaning K-impeller has been proven to reduce clogging and maintain efficiency when pumping wastewater

**SOLIDS HANDLING:** The vortex impeller can handle solids up to 3" in size and resists clogging better than a traditional two-vane impeller

**POWERFUL:** An efficient air-filled motor provides built-in thermal overload protection allowing the pump to run continuously without overheating

**ROBUST:** Components are made from robust cast iron for long life and easy maintenance

**DURABLE:** Heavy-duty long life bearings provide peace of mind

**SMOOTH:** The double mechanical seal provides extra reliability and protects against leakage\*

**INSTALLATION OPTIONS:** Pump has built-in dual seal and sensors for high temperature and seal leak detection which accommodate upgraded panel installations\*

\* Upgraded installation required for seal leak detection

### APPLICATIONS

Used in a variety of residential, commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Dewatering/effluent
- Farms
- Hospitals
- Trailer courts
- Motels

### SPECIFICATIONS

- **Capacities:**
  - 2" Series: Up to 290 gpm
  - 3" Series: Up to 560 gpm
- **Total head:**
  - 2" Series: Up to 88 feet TDH
  - 3" Series: Up to 157 feet TDH
- **Horsepower:**
  - 2" Series: Up to 3.8 hp
  - 3" Series: Up to 11 hp
- **Discharge size:**
  - 2" Series: 2" outlet, threaded 2-11 1/2 NPT
  - 3" Series: 3" ANSI flange

- **Insulation:** Class F: 310° F (155° C)
- **Maximum Fluid Temperature:** 104° F (40° C)
- **Phase:** Three-phase
- **Frequency:** 60 Hz
- **Impeller:**
  - GFK Series: Self-cleaning K-impeller
  - GFV Series: Vortex impeller
- **Motor:** Air-filled 3400 rpm motor with built-in thermal overload protection
- **Bearings:** Single row ball bearings
- **Inner Seal:** Carbon/aluminum oxide CSB/Al<sub>2</sub>O<sub>3</sub>
- **Outer Seal:** Silicon carbide/silicon carbide SiC/SiC
- **Cable Length:** 50 ft (16 m) power cord

### AGENCY LISTINGS

Tested to UL 778 and CSA 22.2 108 standards

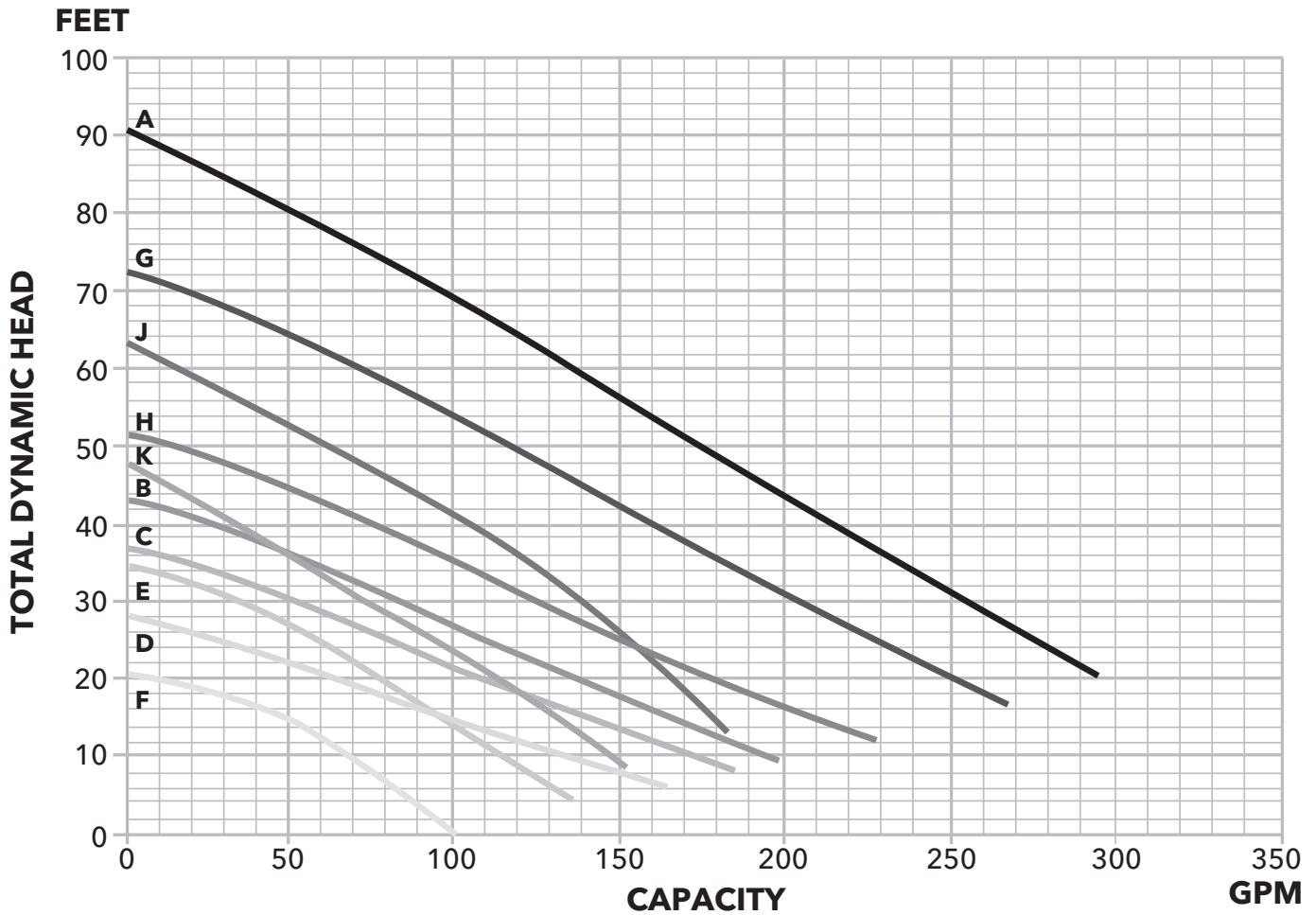


by Canadian Standards Association



**Upgraded installation requires MiniCAS module in control panel.**

### GFK & GFV 2" PERFORMANCE CURVE

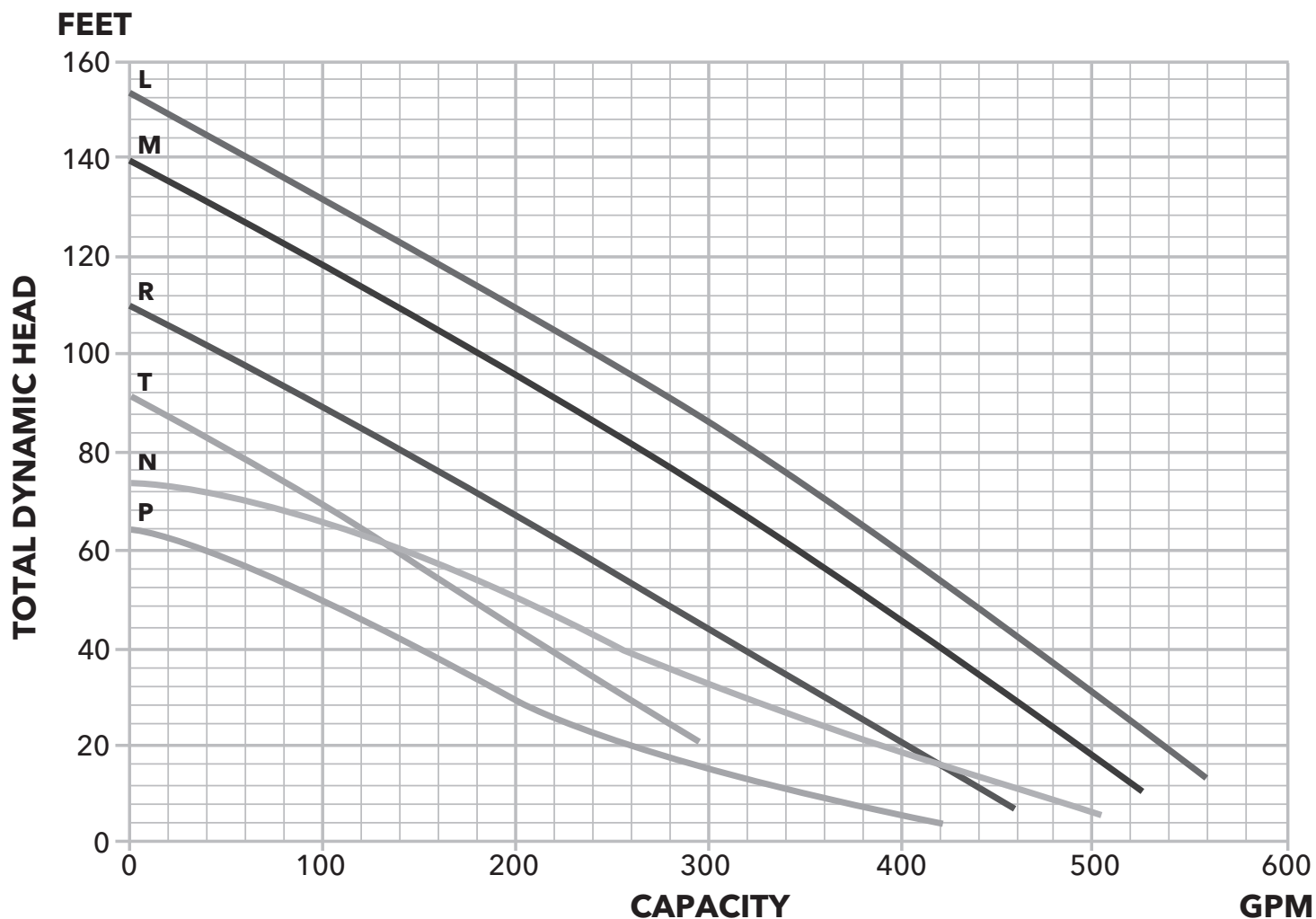


### PRODUCT SPECIFICATIONS

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 2GFV1212F    | Vortex        | F        | 200     | 1.2 | 3.8           |
| 2GFV1213F    | Vortex        | F        | 230     | 1.2 | 4             |
| 2GFV1214F    | Vortex        | F        | 460     | 1.2 | 2             |
| 2GFV1712E    | Vortex        | E        | 200     | 1.7 | 5.1           |
| 2GFV1713E    | Vortex        | E        | 230     | 1.7 | 5             |
| 2GFV1714E    | Vortex        | E        | 460     | 1.7 | 2.5           |
| 2GFV3212K    | Vortex        | K        | 200     | 3.2 | 9.8           |
| 2GFV3213K    | Vortex        | K        | 230     | 3.2 | 8.8           |
| 2GFV3214K    | Vortex        | K        | 460     | 3.2 | 4.4           |
| 2GFK1212D    | K-non clog    | D        | 200     | 1.2 | 3.8           |
| 2GFK1213D    | K-non clog    | D        | 230     | 1.2 | 4             |
| 2GFK1214D    | K-non clog    | D        | 460     | 1.2 | 2             |
| 2GFV3812J    | Vortex        | J        | 200     | 3.8 | 12            |
| 2GFV3813J    | Vortex        | J        | 230     | 3.8 | 10.2          |
| 2GFV3814J    | Vortex        | J        | 460     | 3.8 | 5.1           |

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 2GFK1712C    | K-non clog    | C        | 200     | 1.7 | 5.1           |
| 2GFK1713C    | K-non clog    | C        | 230     | 1.7 | 5             |
| 2GFK1714C    | K-non clog    | C        | 460     | 1.7 | 2.5           |
| 2GFK1712B    | K-non clog    | B        | 200     | 1.7 | 5.1           |
| 2GFK1713B    | K-non clog    | B        | 230     | 1.7 | 5             |
| 2GFK1714B    | K-non clog    | B        | 460     | 1.7 | 2.5           |
| 2GFK2412H    | K-non clog    | H        | 200     | 2.4 | 7.7           |
| 2GFK2413H    | K-non clog    | H        | 230     | 2.4 | 7.2           |
| 2GFK2414H    | K-non clog    | H        | 460     | 2.4 | 3.6           |
| 2GFK3212G    | K-non clog    | G        | 200     | 3.2 | 9.8           |
| 2GFK3213G    | K-non clog    | G        | 230     | 3.2 | 8.8           |
| 2GFK3214G    | K-non clog    | G        | 460     | 3.2 | 4.4           |
| 2GFK3812A    | K-non clog    | A        | 200     | 3.8 | 12            |
| 2GFK3813A    | K-non clog    | A        | 230     | 3.8 | 10.2          |
| 2GFK3814A    | K-non clog    | A        | 460     | 3.8 | 5.1           |

## GFK & GFV 3" PERFORMANCE CURVE



## PRODUCT SPECIFICATIONS

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 3GFK3812T    | K: non-clog   | T        | 200     | 3.8 | 12            |
| 3GFK3813T    | K: non-clog   | T        | 230     | 3.8 | 10            |
| 3GFK3814T    | K: non-clog   | T        | 460     | 3.8 | 4.9           |
| 3GFV6412P    | Vortex        | P        | 200     | 6.4 | 18            |
| 3GFV6413P    | Vortex        | P        | 230     | 6.4 | 16            |
| 3GFV6414P    | Vortex        | P        | 460     | 6.4 | 7.9           |
| 3GFK6412R    | K: non-clog   | R        | 200     | 6.4 | 18            |
| 3GFK6413R    | K: non-clog   | R        | 230     | 6.4 | 16            |
| 3GFK6414R    | K: non-clog   | R        | 460     | 6.4 | 7.9           |

| GWT Part No. | Impeller Type | Curve ID | Voltage | HP  | Rated Current |
|--------------|---------------|----------|---------|-----|---------------|
| 3GFV9512N    | Vortex        | N        | 200     | 9.5 | 26            |
| 3GFV9513N    | Vortex        | N        | 230     | 9.5 | 23            |
| 3GFV9514N    | Vortex        | N        | 460     | 9.5 | 12            |
| 3GFK9512M    | K: non-clog   | M        | 200     | 9.5 | 26            |
| 3GFK9513M    | K: non-clog   | M        | 230     | 9.5 | 23            |
| 3GFK9514M    | K: non-clog   | M        | 460     | 9.5 | 12            |
| 3GFK1112L    | K: non-clog   | L        | 200     | 11  | 30            |
| 3GFK1113L    | K: non-clog   | L        | 230     | 11  | 26            |
| 3GFK1114L    | K: non-clog   | L        | 460     | 11  | 13            |



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