

6"x6"



# TRASH FLOW® SELF PRIMING TRASH PUMPS TFCC-6™



## OUT MUSCLE TOUGH FLUID HANDLING APPLICATIONS.

Along with the unparalleled ease-of-maintenance and quality, we've add some serious productivity enhancements to the Trash Flow TFCC-6 Series. More powerful drive systems with energy savings built in help you pump more with less energy. And, with fluid handling capabilities up to 1500 GPM and max head up to 115 ft, the TFCC-6 is your long term partner for pumping wastewater and solids handling applications.

### FEATURES

TRANSFER UP TO  
1500 GPM (341m³)

MAX. HEAD 115 FT (35m)

PUMP UP TO 3" (76.2 MM)  
SOLIDS

ADJUSTABLE &  
SHIMLESS IMPELLER  
CLEARANCE

HEAVY DUTY BEARINGS  
AND CASTINGS

EASILY REMOVABLE  
ROTATING ASSEMBLY

FULL IMPELLER ACCESS

SOLIDS HANDLING  
IMPELLER

QUICK SELF PRIMING  
CAPABILITIES

DOUBLE FLOATING  
MECHANICAL SEAL

DUAL LIP SEAL BEARING  
PROTECTION\*

\*optional

### TRASH FLOW® CONFIGURATIONS

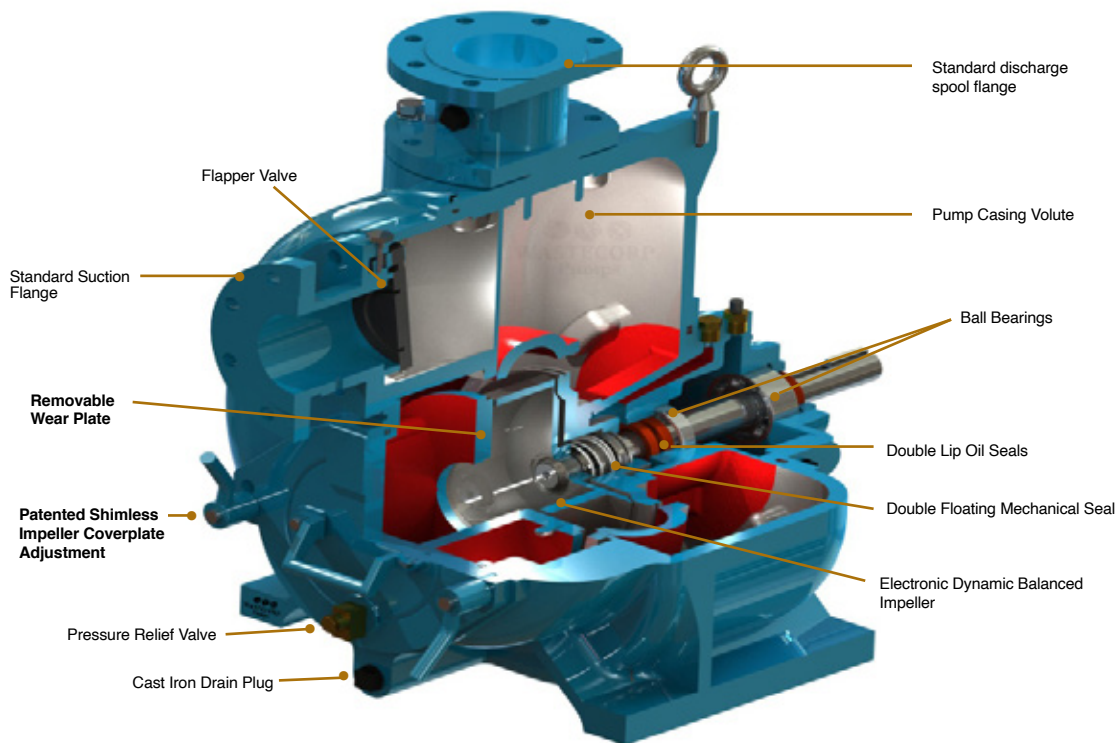
FLEX COUPLED



BELT DRIVE VERTICAL



BELT DRIVE PIGGY BACK



WASTECORP.COM

# TRASH FLOW® SELF PRIMING TRASH PUMPS

## TFCC-6™



### FEATURES



#### REMOVABLE ROTATING ASSEMBLY

Experience less downtime and maintenance hassles with the Trash Flow's removable rotating assembly. The pump volute and piping are not disturbed during maintenance.



#### DOUBLE FLOATING MECHANICAL SEAL

Wastecorp's mechanical seals are designed for the harsh pumping conditions in today's municipal and industrial solids handling jobs.



#### SOLIDS HANDLING IMPELLERS

Trash Flow pumps feature our standard premium two-vane solids handling impellers with solids handling capabilities up to 3" (75mm).



#### OPTIONAL SUCTION AND DISCHARGE GAUGES

Monitor operating pressure easily with Wastecorp's optional suction and discharge gauges.

### OPTIONAL CONFIGURATIONS



#### SEWAGE LIFT STATIONS

Let our pump designers engineer the ultimate lift station for your facility. We offer complete packaged solutions including control panels, valves and more.



#### TRAILER OR SKID MOUNT ENGINE

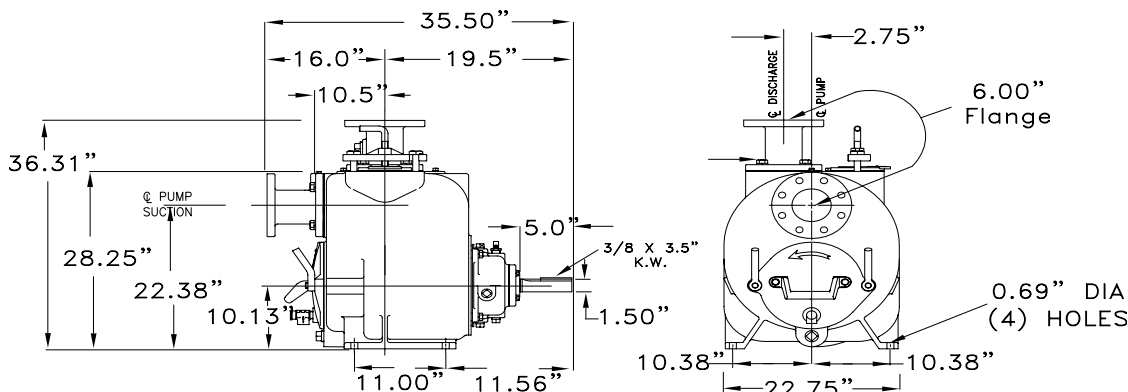
With our trailer or skid mounted diesel engine trash pumps, you'll get a DOT approved solutions for mobile wastewater transfer

|  |   |
|--|---|
| <b>Pump Size</b>                         | 6" x 6" [150 mm x 150 mm] ANSI/DIN  |
| <b>Pump Casing</b>                       | Cast Iron Class 30  |
| <b>Operating Pressure</b>                | Maximum 79 psi (545 kPa)  |
| <b>Impeller</b>                          | Open type, two vane. Material: Ductile Iron Pumps 3" (76,2 mm) spherical solids   |
| <b>Impeller Shaft</b>                    | ANSI 4140 HT  |
| <b>Wear Plate, Replaceable</b>           | Hardened Steel  |
| <b>Cover Plate</b>                       | Removable/Adjustable Cast Iron Class 30   |
| <b>Flapper Valve</b>                     | Neoprene with steel reinforcing ring  |
| <b>Bearing Housing</b>                   | Cast Iron   |
| <b>Seal Plate</b>                        | Cast Iron   |
| <b>Shaft Sleeve</b>                      | ANSI 17-4PH SST   |
| <b>Radial Bearing</b>                    | Open single ball  |
| <b>Thrust Bearing</b>                    | Open double ball  |
| <b>Bearing/Seal Cavity Lubrication</b>   | SAE No. 30 oil  |
| <b>Flanges</b>                           | 125# Ductile Iron ANSI or DIN   |
| <b>Gaskets</b>                           | Buna-N, compressed synthetic fibers, vegetable fiber, PTFE, cork, and rubber  |
| <b>O-Rings</b>                           | Buna-N Teflon coated  |
| <b>Hardware</b>                          | Plated steel/grade 8/SST  |
| <b>Pressure Release Valve</b>            | Brass   |
| <b>Oil Level Sight Gauges</b>            | Bearing and Seal Cavity   |
| <b>Net Weight</b>                        | 925 lbs/420 KG  |
| <b>Optional Equipment and Materials:</b> | Stainless Steel. Automatic air release valve, 120V/240V casing heater. High pump temperature shutdown kit, moisture probe, gauge kit, NPT & DIN standard suction and discharge flanges. Other elastomers available. |

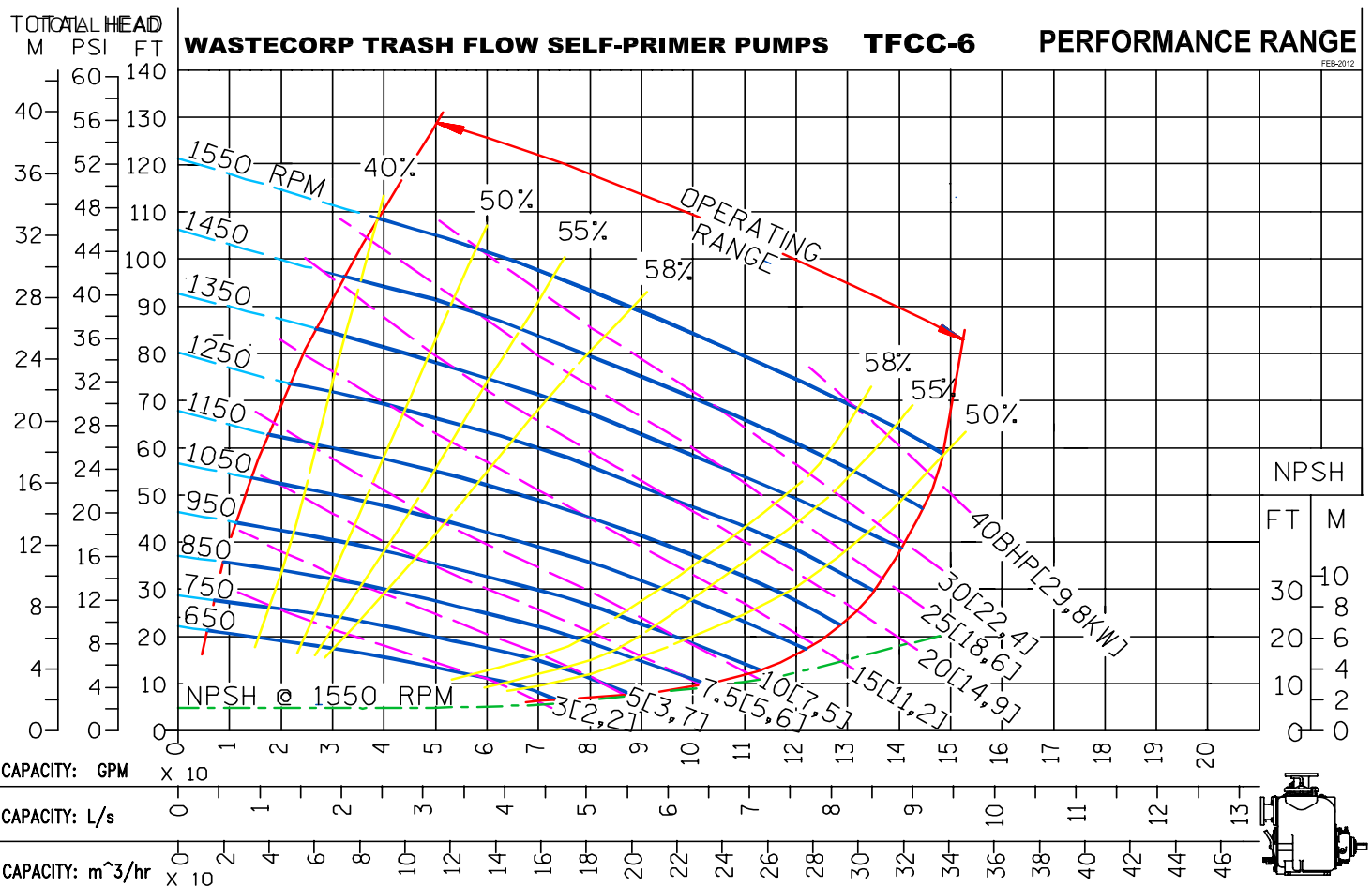
|                             |   |
|-----------------------------|---|
| <b>Seal Specifications:</b> | Mechanical oil-lubricated, double floating, self-aligning seal. Titanium & Tungsten Carbide rotating and stationary faces. Stainless steel metal components. Maximum temperature of liquid pumped 180°F/83°C. |
|-----------------------------|---|

Note: Consult factory for applications exceeding maximum pressure and/or temperature indicated.

### BARE PUMP DIMENSIONS



Dimensions and weight are approximate. Wastecorp Pumps reserves the right to make changes in design, materials and operating ranges without notice.



**REPRIMING LIFTS**

| PUMP SPEED | 8 Ft.  | 1250 RPM | 21 Ft. |
|------------|--------|----------|--------|
| 650 RPM    | 8 Ft.  | 1250 RPM | 21 Ft. |
| 750 RPM    | 9 Ft.  | 1350 RPM | 22 Ft. |
| 850 RPM    | 12 Ft. | 1450 RPM | 23 Ft. |
| 950 RPM    | 14 Ft. | 1550 RPM | 25 Ft. |
| 1050 RPM   | 18 Ft. |          |        |
| 1150 RPM   | 21 Ft. |          |        |

Determine NPSHr prior to using repriming table. Do not use as available suction lifts.

$$BHP = \frac{GPM \times FT \times SG}{3960 \times Efficiency} \quad KW = \frac{M^3 / HR \times M \times SG}{367 \times Efficiency}$$

Suction lift is limited by the available NPSH which is the corrected atmospheric pressure minus the dynamic suction lift, vapor pressure loss and 2 foot safety factor.

**CURVE NO.:** 62921-00 **MODEL:** TFCC-6  
**SIZE:** 6" x 6" **IMPELLER DIA:** 12.38"  
**RPM:** VARIOUS **SP. GR.:** 1.0 @ 68°F

Factory certified tests are performed using Hydraulic Institute acceptance Level B.  
The performance curve shown were taken from actual tests of standard production pumps, and reflect an average performance of the pumps indicated. Wastecorp reserves the right to make changes in design, materials and operating ranges without notice.

**CONSULT FACTORY FOR OPERATING CURVES 1750 RPM AND ABOVE .**