

TRASH FLOW®
SELF PRIMING TRASH PUMPS
TFCC-3™



FEATURES

TRANSFER UP TO
460 GPM (104M³)

MAX. HEAD 115 FT. (35M)

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*

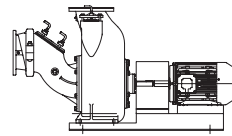
*optional

THE POWER AND DURABILITY OTHER 3" SELF PRIMER'S WISH THEY HAD.

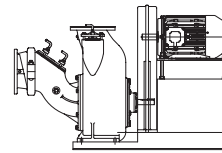
The Trash Flow TFCC-3 Series is an ideal 3" replacement for most brands of self priming centrifugal trash pumps. With fluid handling capabilities up to 460 GPM and max head up to 115 ft you'll get a heavy duty trash pump for heavy duty wastewater transfer.

TRASH FLOW® CONFIGURATIONS

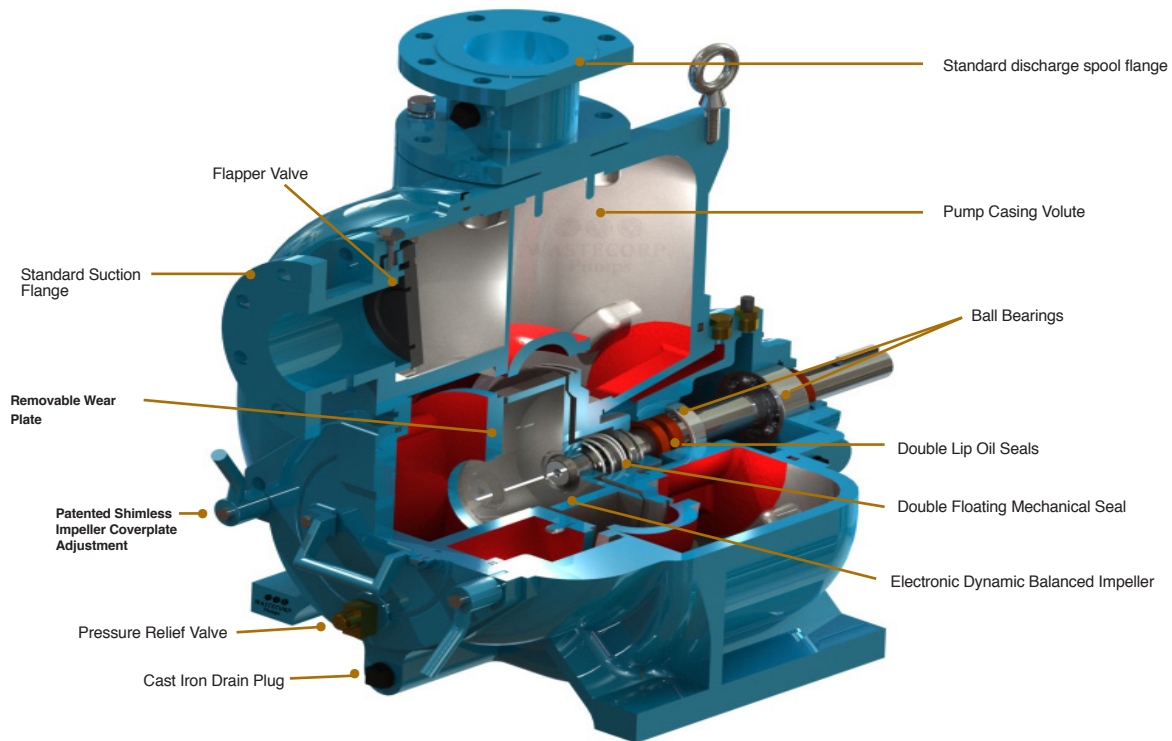
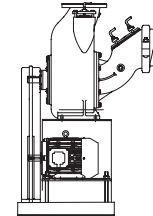
FLEX COUPLED



BELT DRIVE VERTICAL



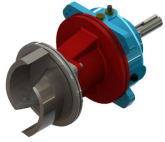
BELT DRIVE PIGGY BACK



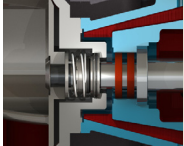
TRASH FLOW®
SELF PRIMING TRASH PUMPS
TFCC-3™
3"x3"



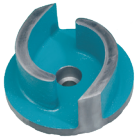
FEATURES



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

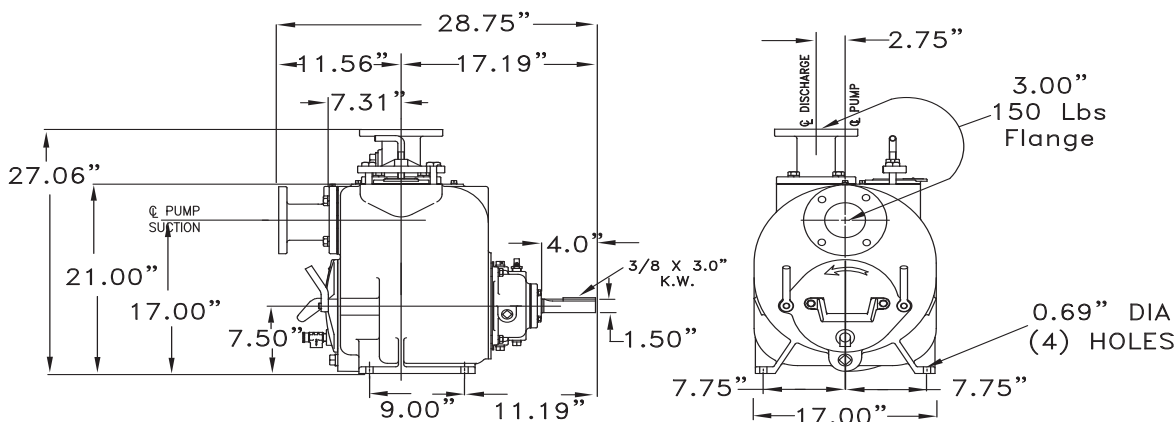
Pump Size	3" x 3" [80 mm x 80 mm] ANSI/DIN
Pump Casing	Cast Iron Class 30
Operating Pressure	Maximum 120 psi (797 kPa)
Impeller	Open type, two vane. Material: Ductile Iron Pumps 2.5" (63.5mm) spherical solids
Impeller Shaft	ANSI 4140 HT
Wear Plate, Replaceable	Hardened Steel
Cover Plate	Removable/Adjustable Cast Iron Class 30
Flapper Valve	Neoprene with steel reinforcing ring
Bearing Housing	Cast Iron
Seal Plate	Cast Iron
Shaft Sleeve	ANSI 17-4PH SST
Radial Bearing	Open single ball
Thrust Bearing	Open double ball
Bearing/Seal Cavity Lubrication	SAE No. 30 oil
Flanges	125# Ductile Iron ANSI or DIN
Gaskets	Buna-N, compressed synthetic fibers, vegetable fiber, PTFE, cork, and rubber
O-Rings	Buna-N Teflon coated
Hardware	Plated steel/grade 8/SST
Pressure Release Valve	Brass
Oil Level Sight Gauges	Bearing and Seal Cavity
Net Weight	490 lbs./222 KG

Optional Equipment and Materials: 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.

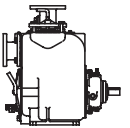
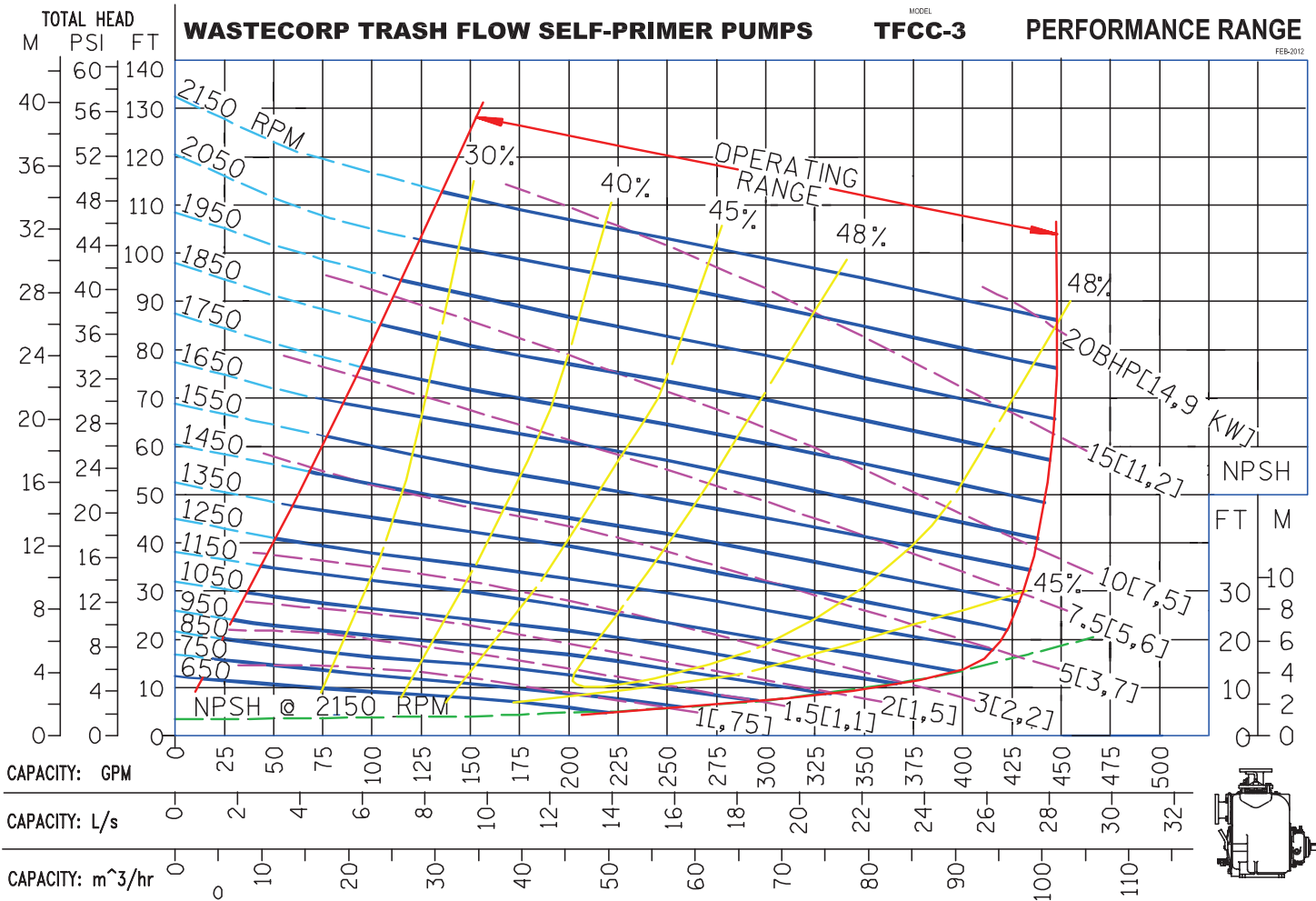
Seal Specifications: Mechanical oil-lubricated, double floating, self-aligning seal. Titanium & Tungsten Carbide rotating and stationary faces. Stainless steel metal components. Maximum temperature of liquid pumped 180°F/83°C.

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	5 FT.	PUMP SPEED	18 FT.	PUMP SPEED	25 FT.
650 RPM	5 Ft.	1250 RPM	18 Ft.	1850 RPM	25 Ft.
750 RPM	6 Ft.	1350 RPM	19 Ft.	1950 RPM	25 Ft.
850 RPM	8 Ft.	1450 RPM	20 Ft.	2050 RPM	25 Ft.
950 RPM	10 Ft.	1550 RPM	21 Ft.	2150 RPM	25 Ft.
1050 RPM	13 Ft.	1650 RPM	22 Ft.		
1150 RPM	16 Ft.	1750 RPM	22 Ft.		

Determine NPSH 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.: 62920-00 MODEL: TFCC-3
 SIZE: 3" x 3" IMPELLER DIA: 8.75"
 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.