WASTECORP. Pumps®

TRASH FLOW®

ENGINE DRIVEN TRASH PUMPS

TFCC-3M™

FEATURES

- TRANSFER UP TO 460 GPM (104M³)
- MAX. HEAD 115 FT. (35M)
- HEAVY DUTY BEARINGS AND CASTINGS
- EASILY REMOVABLE ROTATING ASSEMBLY
- VACUUM PRIME ASSIST AVAILABLE*
- “SILENT” PUMPING MODEL AVAILABLE*
- QUICK SELF PRIMING CAPABILITIES
- DOUBLE FLOATING MECHANICAL SEAL
- DUAL LIP SEAL BEARING PROTECTION

*optional

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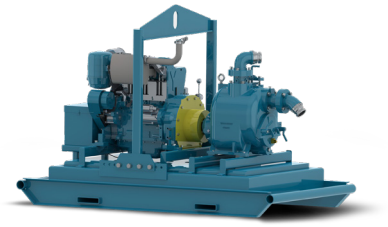
PUMP UTILITY MEETS PUMP VERSATILITY.

The new diesel powered Trash Flow TFCC-3M engine driven trash pump series from Wastecorp are engineered for sewage bypass operations, construction site dewatering or other type of industrial or mining projects. With powerful engine options from John Deere, Deutz and others, you can transfer fluids up to 460 US GPM. Plus, our new optional “vacuum prime assist” will help you conquer tough pumping conditions as they arise.

TRASH FLOW® TFCC-3M - OPTIONAL CONFIGURATIONS



With or Without Wheels The TFCC-3 Moves Wastewater

The TFCC-3M is available as a skid mounted model complete with a heavy duty lifting bail to move around your job site. With a wide variety of diesel engine and control panel options available, you’ll get exactly what you need for your job.

Pumping in Residential Areas? The Trash Flow Can Quiet Down

One of the challenges when using a trash pump in residential areas is adhering to local noise regualtions. Wastecorp’s solution is the Trash Flow Husher with an acoustical hut to keep sound below 70 dBa.

Intermittent Flow a Problem? “Vacuum Prime Assist” is The Solution

Vacuum prime assist is ideal when pumping fluid with large volumes of air or pulling through long suction lines. It is also environmentally friendly as there is no carryover of liquid into the environment because of the unique float box design.

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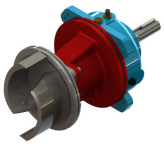
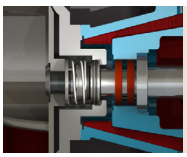
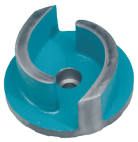
FEATURES



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 handing capabilities up to 3" (75mm).

OPTIONAL SUCTION AND DISCHARGE GAUGES
Monitor operating pressure easily with Wastecorp's optional suction and discharge gauges.

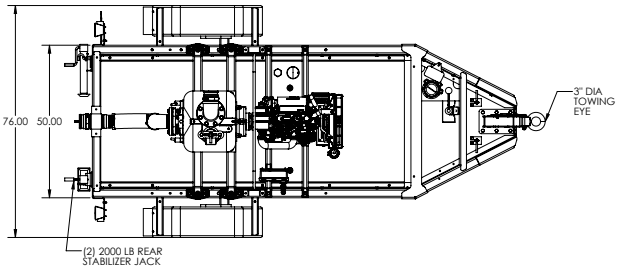
OPTIONAL CONFIGURATIONS

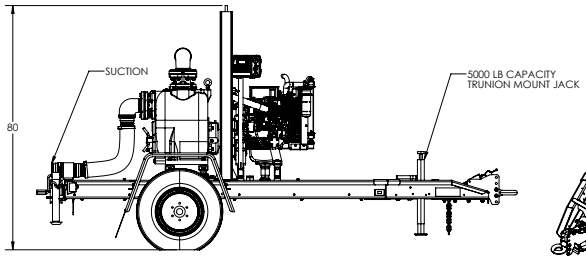
SEWAGE LIFT STATIONS
Let our pump designers engineer the ultimate lift station for your facility. We offer complete packaged solutions including control panels, valves and more.

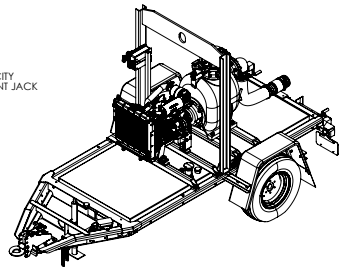
TRAILER OR SKID MOUNT ENGINE
With our trailer or skid mounted diesel engine trash pumps, you'll get a DOT approved solutions for mobile wastewater transfer

Model	Trash Flow® TFCC-3M
Connection Size	3" x 3" [80 mm x 80 mm] ANSI/DIN
Max. GPM	450 GPM
Max. Suction Lift	25 ft (7.52m)
Max. Discharge Head	110 ft (33m)
Max. Liquid Temp.	160°F (71°C)
Pump Casing	Grey Iron, ASTM A48; Class 30
Operating Pressure	Maximum 120 psi (797 kPa)
Impeller	Max. 8.75" OD, Ductile Iron ASTM A536, Grade 60-40-18 (Impeller Trimming: If required) Semi-Open Type, Two-Vane Impeller, (two plane, computer dynamically balanced)
Max. Solids Handling	2.5" (63.5mm)
Impeller Shaft	ANSI 4140 steel
Replaceable Wear Plate	SAE 1020 steel
Removable Cover Plate	Grey Iron, ASTM A48; Class 30
Flapper Valve	Neoprene with internal steel weight
Bearing Housing	Grey Iron, ASTM A48; Class 30 (includes oil sight glass and breather valve)
Seal Plate	Grey Iron, ASTM A48; Class 30
Shaft Sleeve	316 Stainless Steel
Radial/Thrust Bearing	NSK Open Ball
Bearing/Seal Cavity Lubrication	SAE No. 30 Non-Detergent Oil
Gaskets	Buna-N, Compressed Synthetic Fibers, PTFE, Vegetable Fiber, Cork and Rubber
Hardware	Standard Plated Steel, Brass Pressure Relief Valve, Bearing and Seal Cavity Oil Level Sight Gauges
Mechanical Seal	Double floating cartridge type, titanium tungsten-carbide rotating and stationary faces, 316SS casing and spring, Viton O-Rings.
Engine and Trailer Information	
Trailer	Single Axle DOT compliant with e-brakes, fenders, lighting, swivel jack, ball hitch or pintel eye coupler
Coupling	SAE Rubber Disk Drive fly-wheel coupling
Engine & Control Panel	Std. 24HP T4F
Fuel Tank	DOT Compliant 80 USG (302.833 L) complete with fuel lines and mounting brackets

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







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

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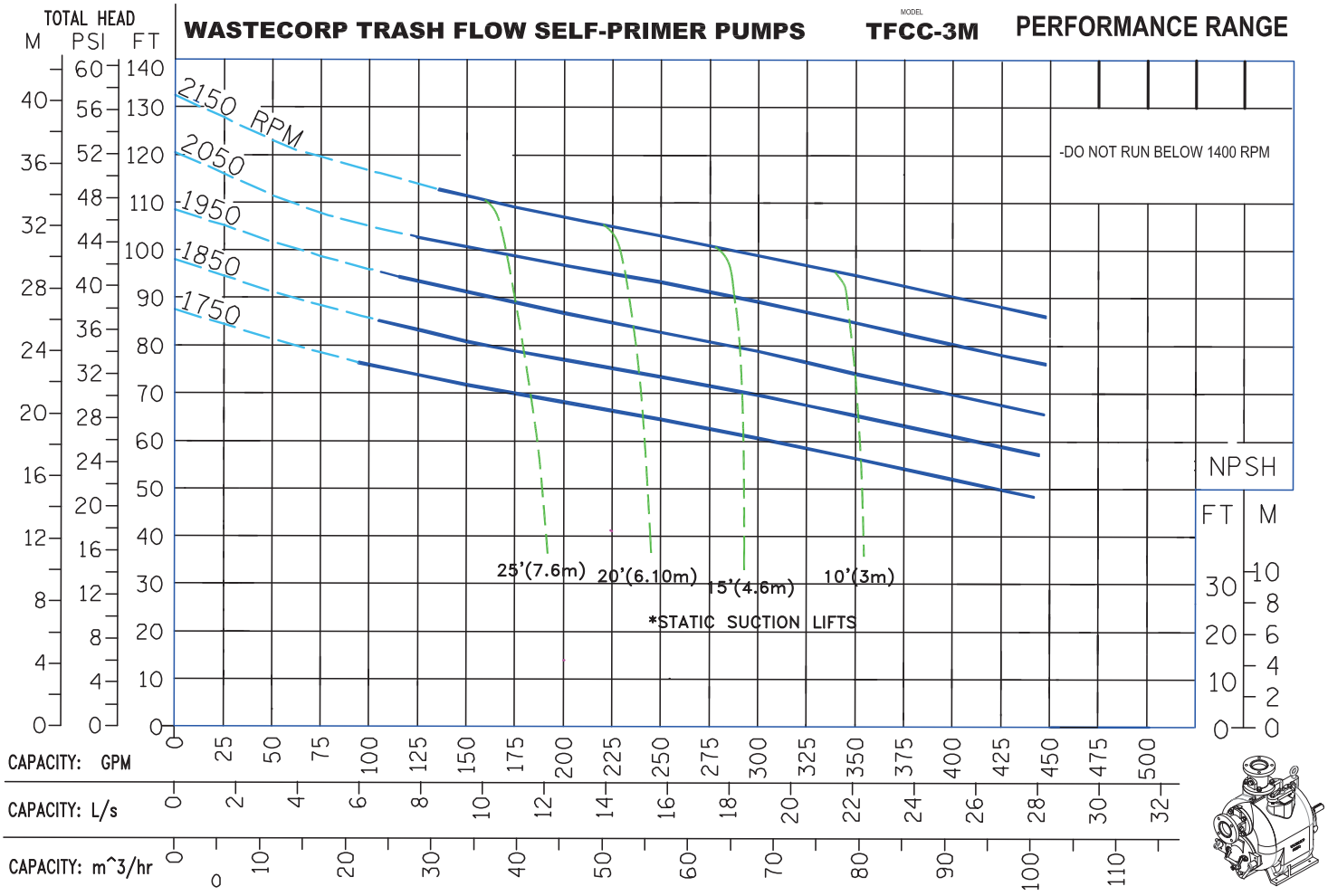

REPRIMING LIFTS

PUMP SPEED		PUMP SPEED	
1450 RPM	20 Ft.	2050 RPM	25 Ft.
1550 RPM	21 Ft.	2150 RPM	25 Ft.
1650 RPM	22 Ft.		
1750 RPM	22 Ft.		
1850 RPM	25 Ft.		
1950 RPM	25 Ft.		

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

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

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

CURVE NO.:	**63353-00**	MODEL:	**TFCC-3M**
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.

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