

TRASH FLOW®
SELF PRIMING TRASH PUMPS
TFCC-10™



HEAVY DUTY PUMP INNOVATION IS ALWAYS SMART.

What's smarter than full impeller access and an easily removable rotating assembly? Having all that pump backed by premium castings and up to 3500 GPM capabilities with up to 135 ft. of head. The TFCC -10, 10" connection is a heavy duty trash pump with innovative components like double floating mechanical seals and solids handling.

FEATURES

TRANSFER UP TO 3500 GPM (795 m³)

MAX. HEAD 135 FT (41 m)

PUMP UP TO 3" (76.2 mm) SOLIDS

QUICK SELF PRIMING CAPABILITIES

HEAVY DUTY BEARINGS AND CASTINGS

EASILY REMOVABLE ROTATING ASSEMBLY

FULL IMPELLER ACCESS

SOLIDS HANDLING IMPELLER

DOUBLE FLOATING MECHANICAL SEAL

DUAL LIP SEAL BEARING PROTECTION*

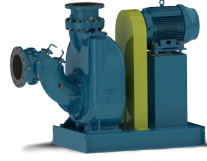
*optional

TRASH FLOW® CONFIGURATIONS

FLEX COUPLED



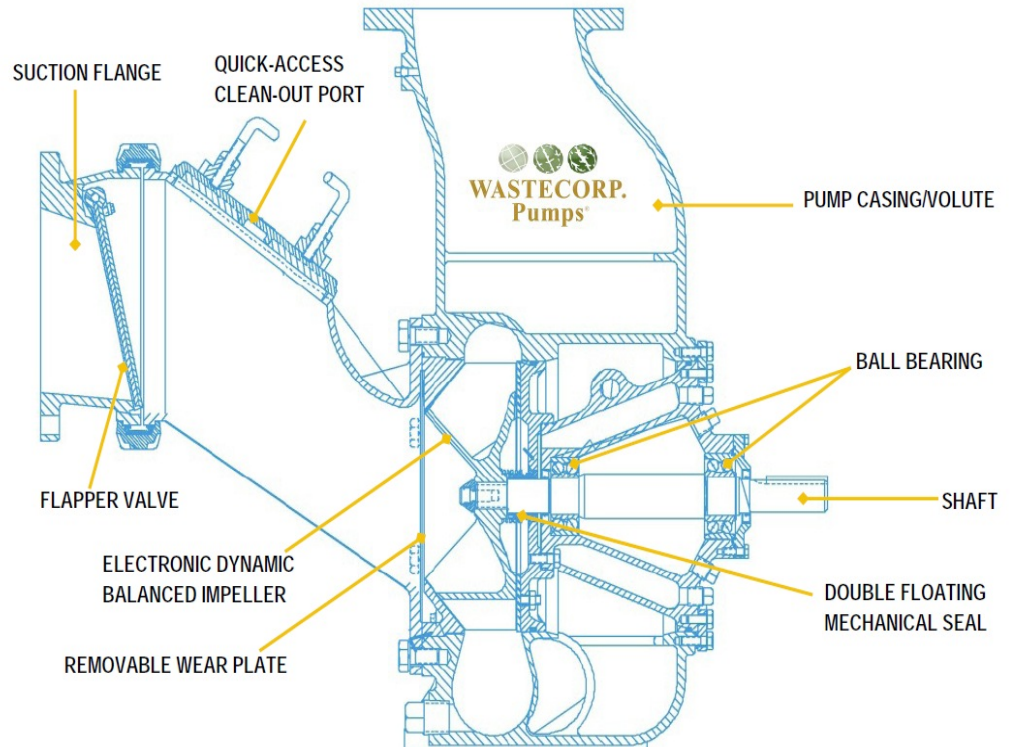
BELT DRIVE VERTICAL



SEWAGE LIFT STATIONS



BELT DRIVE PIGGY BACK



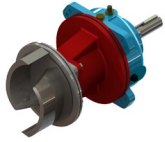
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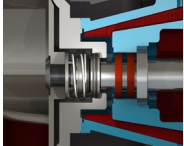
TFCC-10™



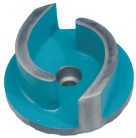
FEATURES



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.

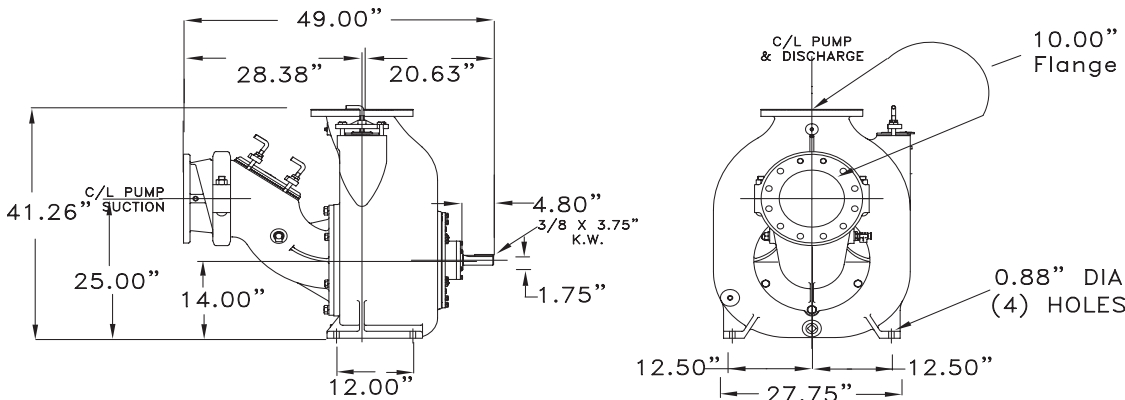


TRAILER OR SKID MOUNT ENGINE
With our trailer or skid mounted diesel engine trash pumps, you'll get a DOT approved solutions for mobile wastewater transfer

Pump Size	10" x 10" (250mm x 250mm), Grey Iron, ASTM A48; Class 30
Pump Casing	Grey iron, ASTM A48; Class 30
Operating Pressure	Maximum 99 psi (683 kPa)
Impeller	Max. 14.75" OD, Ductile Iron ASTM A536, Grade 60-40-18
Max. Solids	3" (76 mm)
Max. Temperature	160°F (71°C)
Impeller Shaft	ANSI 4140 steel
Wear Plate, Replaceable	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 oil
Gaskets	Buna-N, compressed synthetic fibers, vegetable fiber, PTFE, cork, and rubber
O-Rings	Buna-N Teflon coated
Pressure Release Valve	Brass
Oil Level Sight Gauges	Bearing and seal cavity
Net Weight	1500 lb. (680 kg)
Mechanical Seal:	Double floating cartridge type, titanium tungsten-carbide rotating and stationary faces, 316 SS casing and spring, Viton O-Rings.
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.

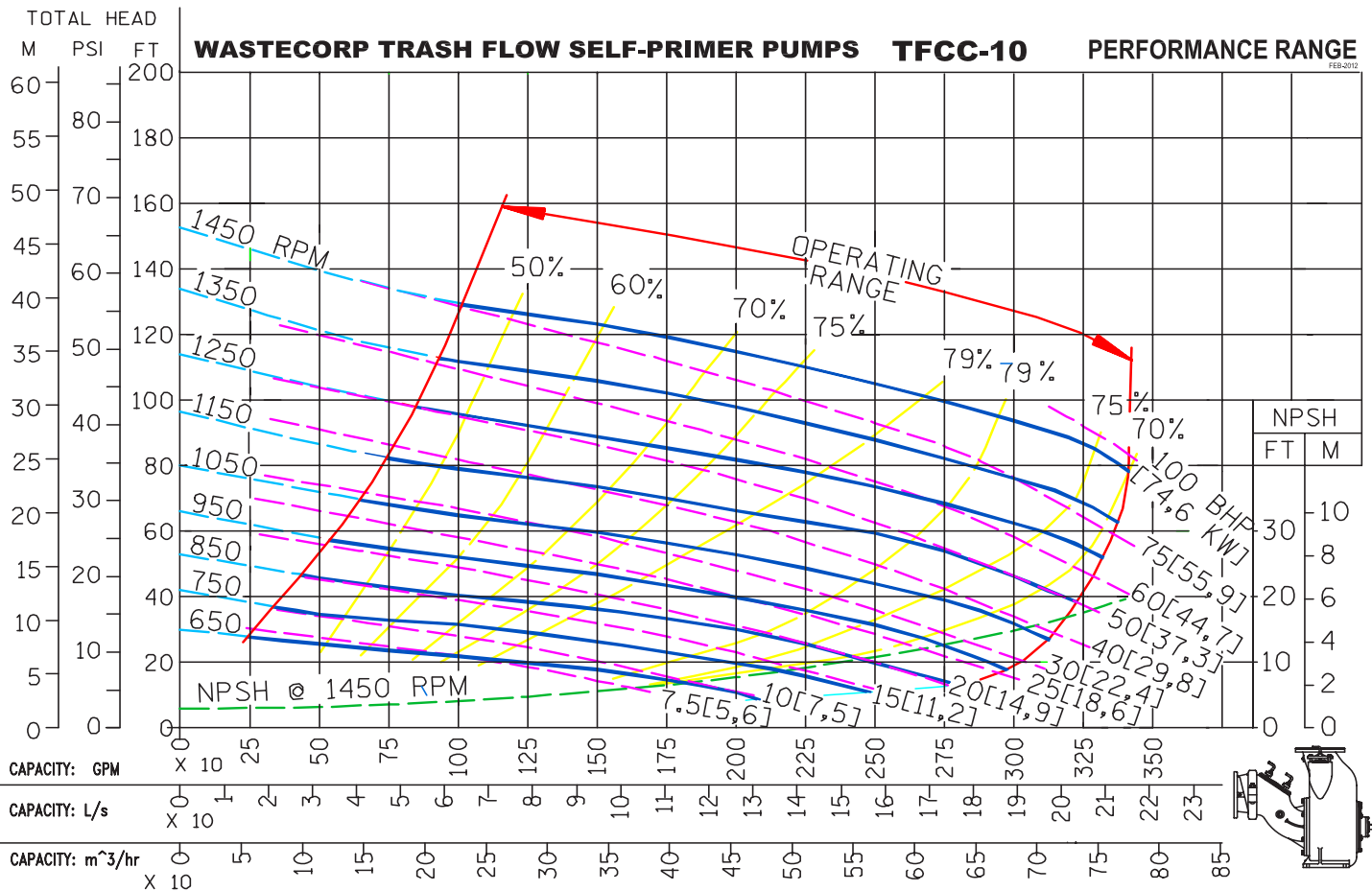
Note: Consult factory for applications exceeding maximum pressure and/or temperature indicated.

BARE PUMP DIMENSIONS



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

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REPRIMING LIFTS		
PUMP SPEED	7 FL.	19 FL.
650 RPM	7 FL.	19 FL.
750 RPM	11 FL.	22 FL.
850 RPM	14 FL.	22 FL.
950 RPM	17 FL.	
1050 RPM	18 FL.	
1150 RPM	18 FL.	

CURVE NO.: 62923-00 MODEL: TFCC-10
 SIZE: 10" x 10" IMPELLER DIA: 14.75"
 RPM: VARIOUS SP. GR.: 1.0 @ 68°F

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.

CONSULT FACTORY FOR OPERATING CURVES 1450 RPM AND ABOVE.



Wastecorp Pumps USA
 P.O. Box 70
 Grand Island, New York 14072 | USA
 Tel: 888.829.2783 | Fax: 888-883-3320
 sales@wastecorp.com

Wastecorp Pumps Canada Inc.
 55 Six Point Road
 Toronto, Ontario M8Z-2X3 | Canada
 Tel: 416.233.3000 | Fax: 416.233.2300
 info@wastecorp.com

Wastecorp Pumps International
 P.O. Box 70
 Grand Island, New York 14072 | USA
 Tel: 201.445.2882 | Fax: 201.445.3252
 techsupport@wastecorp.com