



# VAC-ASSIST™ mining pumps



# AUSTRALIA





# The Truflo Pumps' Story



## PUMPING WITH OVER 25 YEARS EXPERIENCE

**T**RUFLO PUMPS is a family-owned and operated business which started in the pumping industry during the winery boom of the 1990s. Originally known as Bathurst Irrigation, our business concentrated on the agricultural sector. However, as the company grew and established itself in the Bathurst region additional services were added to cater for industries such as abattoirs, pet food companies, quarries and municipal authorities. During this time, we operated as a small, dedicated group of

family members who were seeking to improve service to the industry by providing something unique. In 2000, the business direction and model changed dramatically and the name was changed to Truflo Pumps' Industrial Pumps and Valves. Sales personnel were employed specifically to provide the same service and support to the needs of the ever-growing mining sector.

Underground mining companies and operators soon realised that Truflo Pumps Pumping Systems could deliver





equipment that not only suited the conditions, but lasted in the harsh environments of the underground.

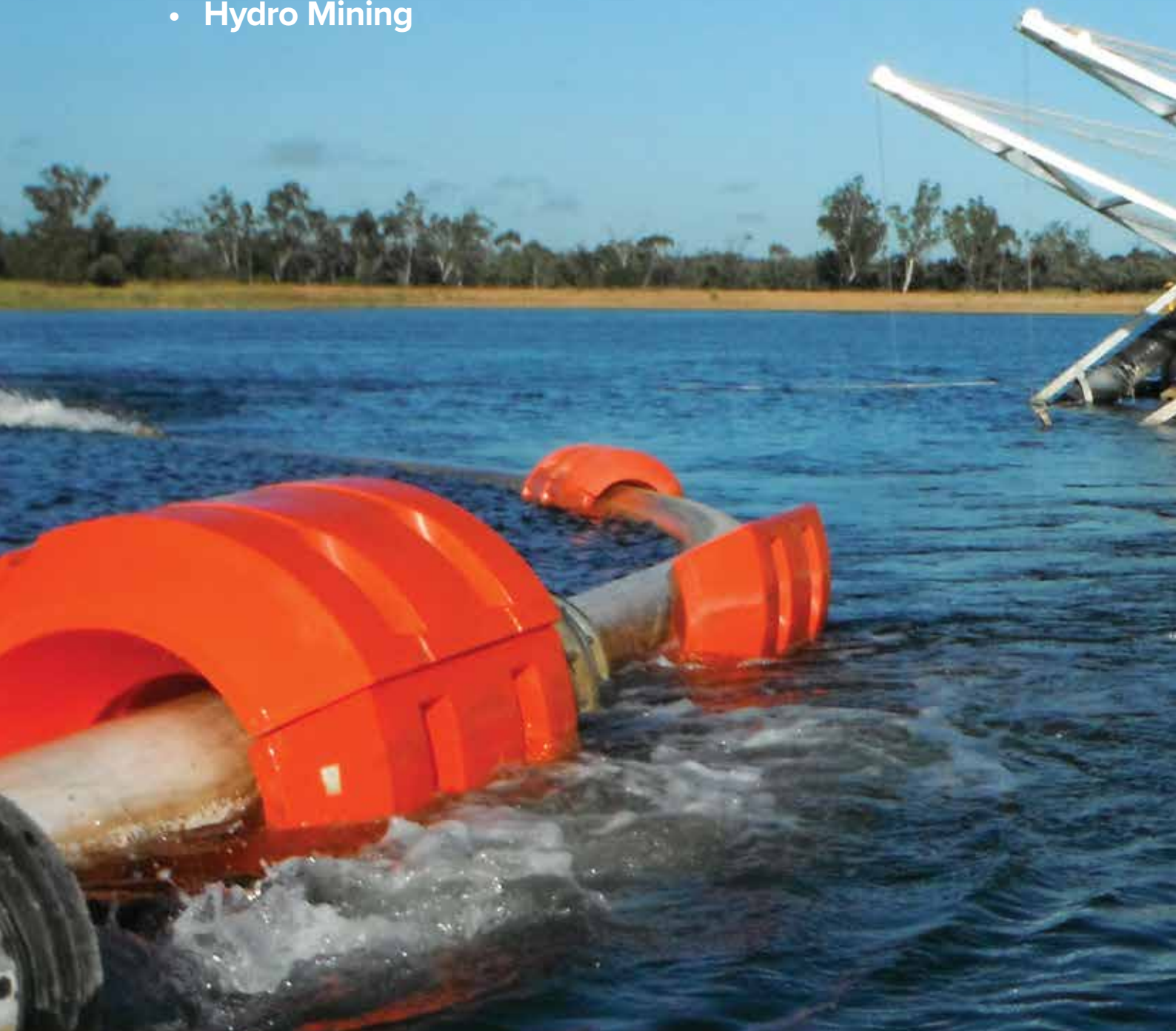
From Broken Hill to Newcastle, mining companies recognised the services provided by Truflo Pumps. Production started to ramp up of the very popular Truflo Pumps pump, with mining companies quickly realising that the Truflo Pumps pump was the best they had ever owned. Truflo Pumps pumps are particularly unique, with features that outperform other pumps on the market. The true Run-

Dry pump has the fastest priming capabilities and industry leading efficiencies, with reliable service and support that you can trust. Truflo Pumps Pumping Systems has become a dominating force. However, the same family owned business qualities exist, with the desire to give something different. With offices strategically placed around the world, Truflo Pumps will continue to be the market leader in dewatering pumps and equipment for the mining industry. We trust you will find your journey with us a rewarding one.



# Truflo Applications

- Mine Dewatering
- Slurry Pumping
- Process Water Supply
- Water Cart Filling Stations
- Dust Suppression
- Evaporation Projects
- Flood Recovery
- Hydro Mining







**RELIABLE PUMPS  
FROM THE**

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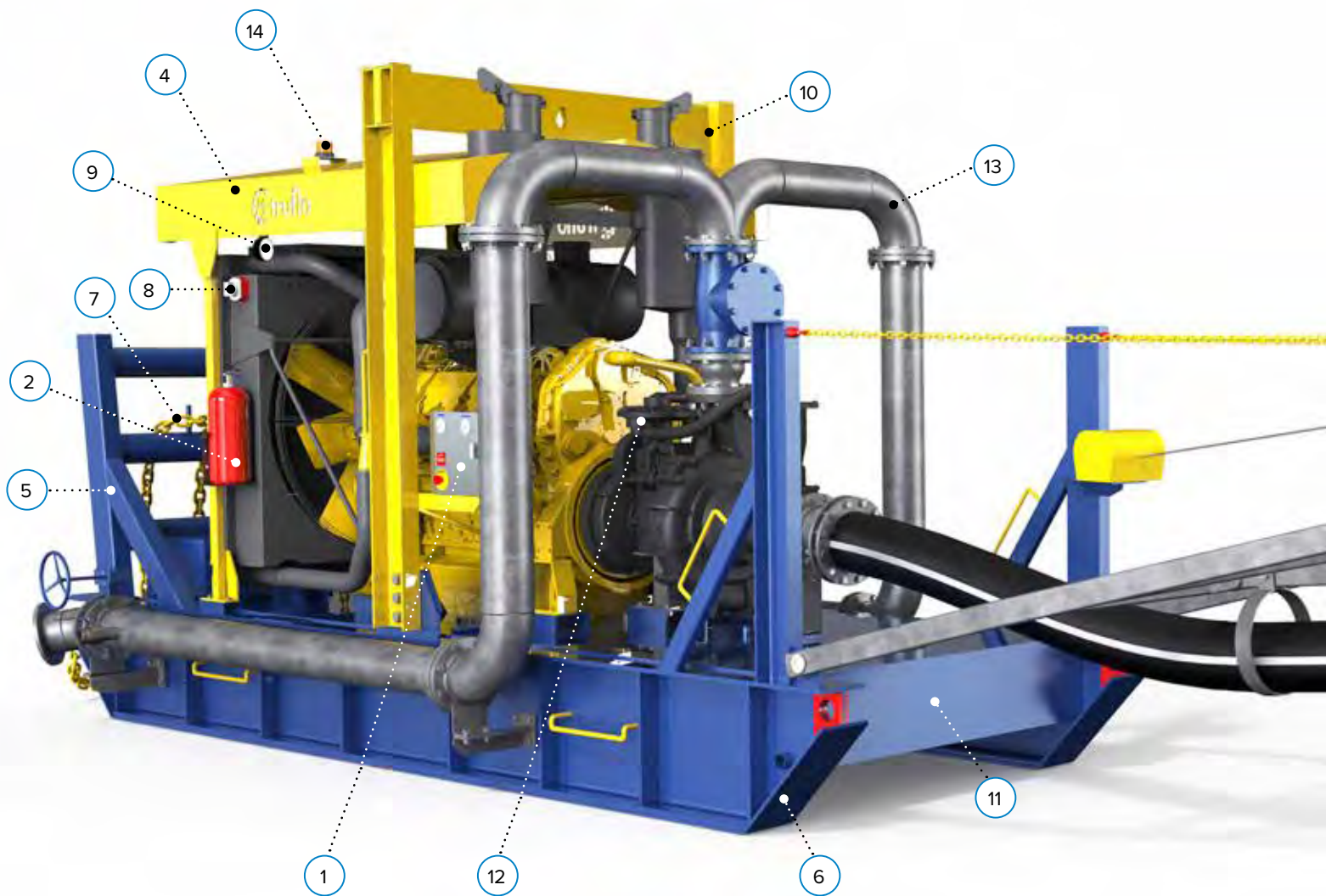
**LEADERS IN  
THE INDUSTRY**

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# Exclusive Features

INVEST IN TRUE  
**QUALITY**





1. Stainless steel IP65 switchboard
2. Fire extinguishers
3. Suction jib and winch
4. Full engine canopy
5. Heavy duty push bar for pump positioning
6. Bisalloy wear strips under skid
7. Herc alloy tow chains and fittings
8. Coolant level switch gauge
9. Inertia mounted LED work lights
10. Central lifting beam
11. Large fuel tank in skid
12. 50cfm vacuum priming
13. Dual discharge option
14. LED flashing light when pump is running





# Truflo Pumps' Features

## **PUMP SPECIFICATION: STANDARD CONSTRUCTION**

- Sizes Available: 75mm to 650mm
- Mounting Configuration: SAE engine mount or electric motor mount
- Casing Material: Duplex stainless steel CD4MCU
- Impeller Material: Chromium stainless steel
- Wear Rings: Chromium stainless steel
- Shaft: 4–7ph shaft steel
- Shaft Sleeve: 420 stainless steel, tungsten coated
- Seal: Dry-Run lubrication reservoir.

## **FEATURES AND BENEFITS**

- Perfect for dirty abrasive water
- Fully automatic self-priming
- Handles air/liquid mixtures with ease
- Unattended, rapid reprime
- Environmentally safe priming system designed to prevent leakage
- Patented Run-Dry system
- Handles large-sized solids
- High suction lift capability up to 8.5 metres
- Patented slurry seal
- Premium hydraulic efficiency for reduced fuel and power consumption
- Optional gland packing.

## **VAC-PRIME™ FEATURES**

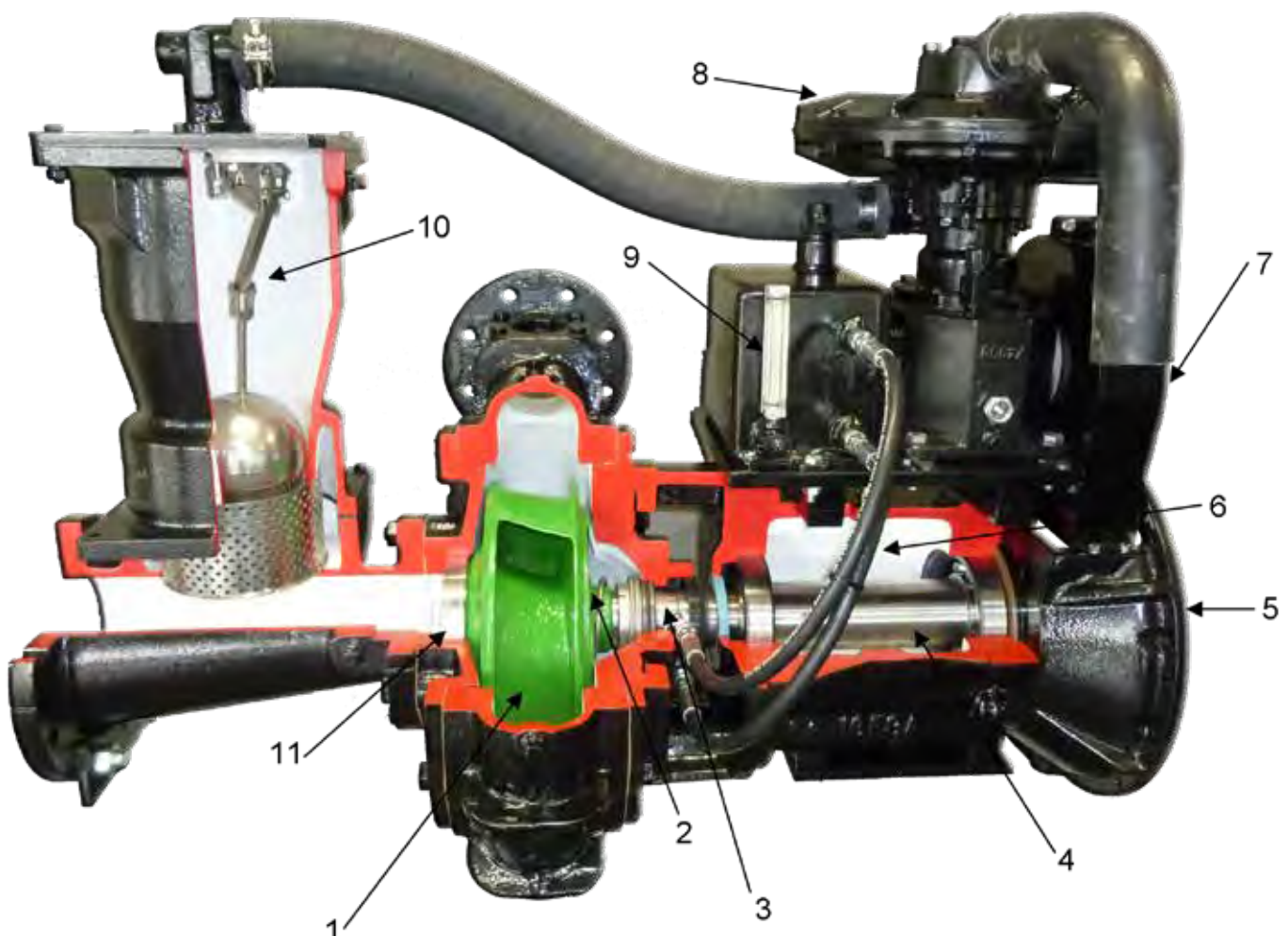
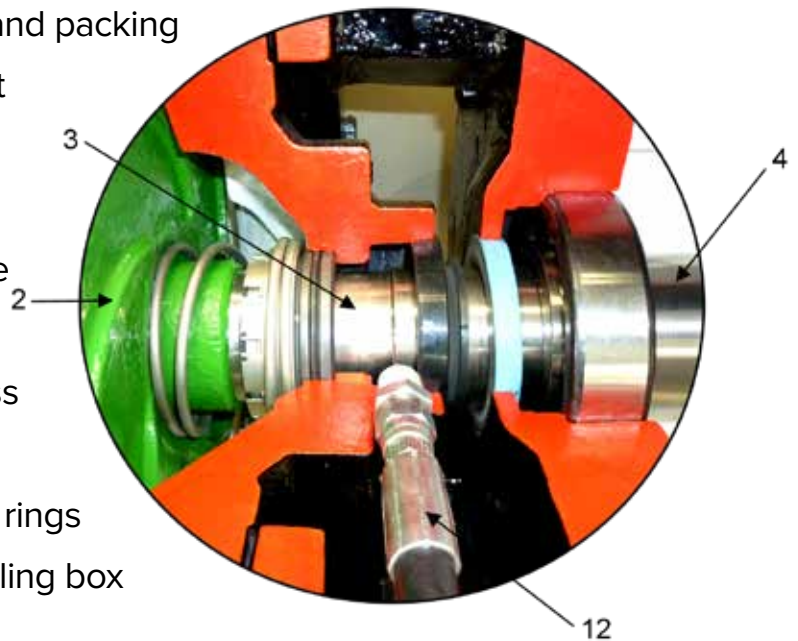
- Vac-Prime pumping capacities range from 15 litres/second to 800 litres/second
- Solids handling capacity ranges from 50mm to 150mm sphere
- Operating heads up to 240 metres
- Speed range from 600rpm to 3000rpm.

## **OPTIONAL MATERIALS OF CONSTRUCTION**

- 316 Stainless steel
- White iron
- A06 Ni hard
- Ductile iron
- CD4MCU.



1. Solids handling impeller
2. Slurry expelling vanes
3. Run Dry slurry seal, optional gland packing
4. Heavy duty stainless steel shaft
5. SAE engine mounting
6. Heavy duty bearings
7. Heavy duty vacuum pump drive
8. 50 cfm vacuum primer
9. Seal oil reservoir with sight glass
10. Vacuum separation chamber
11. Chromium Stainless Steel wear rings
12. Thermosiphon oil supply to sealing box





# Truflo Pumps' Accessories



Vacuum and pressure gauges with easy service



Pump Master™ Control



Electronic flow meter



Isolation systems



Heavy duty maintenance free batteries



Fast fuel filling connection and fuel level indicator



Racor fuel water separator



LED flashing lights

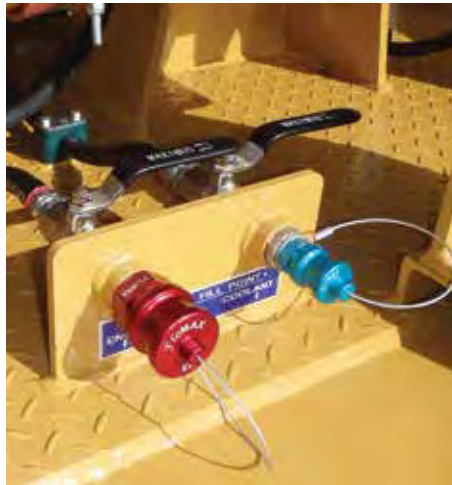


LED work lights





3 Way fuel control systems for multiple supply tanks



Dry-break service couplings



Jump start receptacle



Heavy duty drawbar and safety chains



Thermal protection covers on exhaust, turbo and mufflers



Suction jib and winch



Fire extinguisher



Solar panel



Wash down hose



# Mobile Pumping

PumpMaster has been designed to provide easy, reliable and powerful pump control. Truflo Pumps' diesel driven Vac-Prime and Auto-Prime pumps are supplied standard with the unique PumpMaster Controller.

The capacity of the PumpMaster controller is almost unlimited, offering advanced programmable system monitoring and control for rental and mining companies; providing a web-based solution for pump monitoring and management worldwide from a computer. Web-based pump management and control can be easily established through the unique Air-Gate™ modem, providing worldwide access to your assets via the web.

## M SERIES

Designed for economical, powerful pump and engine management.

### Standard inclusion on M Series:

- Diesel engine control, monitoring and protection
- Graphical LED display
- Complete engine management
- Oil pressure monitor
- Engine temperature monitor
- Hour meter
- Pump vacuum monitoring
- Pump discharge pressure monitoring
- Flow switch
- Pump volute temperature monitoring
- External start stop facility
- Enamel coated IP65 enclosure
- Emergency stop on outer door

*All the above control functions have programmable fault and shut down settings.*

## S SERIES

Designed to provide reliable powerful and user-friendly pump control. Supplied as a standard inclusion to Vac-Prime™ series:

- Complete engine management via the engine computer system
- Engine load monitor
- Fuel consumption monitor
- Turbo boost monitor
- Engine oil pressure monitor
- Engine temperature monitor
- Overload protection
- Hour meter
- Programmable service interval control
- Automatic engine speed ramping to flow/pressure/time via remote inputs
- Pump vacuum pressure monitoring
- Discharge pressure monitoring
- No flow protection
- Pump volute temperature monitoring
- External start/stop facility
- Designed to provide stage pump dewatering with optimum control

## OPTIONAL ACCESSORIES

- Communication Interface RS 485, 2xCAN, J1939
- Ethernet GSM/3G/4G network connection
- GPRS mobile phone network monitoring
- Wi-Fi interface with 2.4GHz wireless radio networks
- Air Gate™, web-based internet monitoring and control
- Self powered remote display/control for pontoon pumps linked via RFRD link

Web-based monitoring and controlling offering huge benefits that help optimise revenue. Each pump can be individually monitored and controlled via the web through a suitable interface. High level of security, optional levels of reporting/monitoring enabling asset utilisation, maintenance scheduling, operation and control.



- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| 1. Select down or adjust set point   | 7. Cycle forward (auto -> off ->man) |
| 2. Select up or adjust set point     | 8. Acknowledges faults and alarms    |
| 3. Confirm set point value           | 9. Start                             |
| 4. Selection of page display mode    | 10. Stop                             |
| 5. Cycle backward (auto-> off ->man) | 11. Green light-running              |
| 6. Deactivates the alarm             | 12. Red light-fault                  |



# SF SERIES Vac-Assist



## Truflo Pumps' Slurry Force Pumps are commonly known as the SF Series.

These pumps are specifically designed to suit material handling applications involving harsh abrasive and corrosive applications.

SF pumps are commonly used in applications ranging from pumping coal through wash plants to pumping iron ore concentrate.

SF series pumps are dissected into two primary areas of applications

CHPP, Tailings and Process pumps

Dredging and dewatering pumps

SF pumps are built to provide the same renown longevity, performance and reliability which is synonymous with the Truflo Pumps brand.

Information included in this booklet contains the common SF dewatering and high head dredge pumps.

For additional models and application information consult Truflo Pumps Engineering office or your distributor.

The logo for Slurry Force, featuring a large, stylized "C" shape on the left, followed by the words "SLURRY FORCE" in a bold, italicized, sans-serif font, with a trademark symbol (™) at the end.





Base model pictured.

Technical details subject to change without notice.

Various engine and pump material construction options available on request.

## Technical DATA Sheet

The Tru-Flo SF Series pump is designed with Tru-Flo's renowned quality and durability. It features a high efficiency enclosed impeller with solids handling up to 4" with the patented Cycloseal® design as standard. Mechanical run dry seal with viton elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Seal type: Cycloseal®
- Run-Dry™ and Redi-Prime® compatible
- High strength stainless steel shaft
- High-chrome white iron pump-end construction
- Thick cross-sections for abrasive wear and high operating pressures.
- Front adjustable, replaceable wear plate to regain lost efficiency while in service.
- Hardness rating > 650BHN provides better wear properties compared to standard cast or ductile iron.
- Heavy duty bearing frame construction with double angular contact thrust bearing grease lubricated.

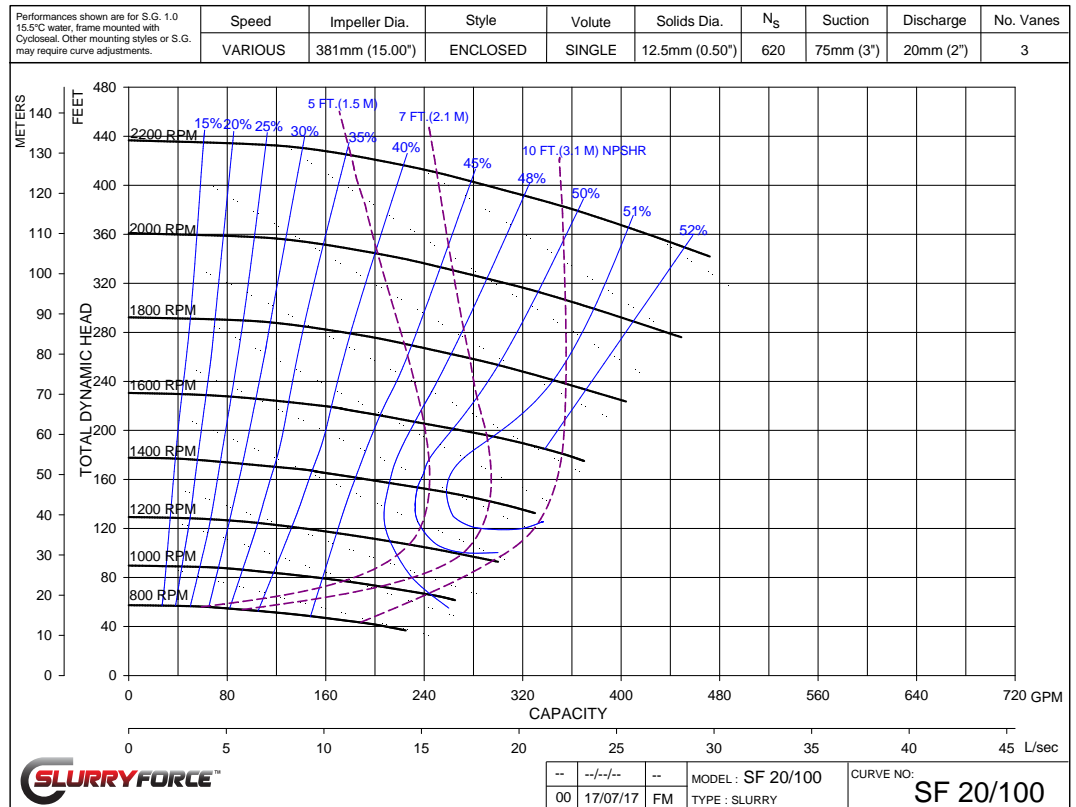


**FREECALL: 1800 813 677**

Slurry Force distributed by Tru-Flo Pumping Systems  
Head Office, 8-14 Irving Place | Bathurst NSW 2795 | AUSTRALIA

## FEATURES

- ▶ Extremely low fuel usage
- ▶ Reduced engine sizes
- ▶ Lower maintenance costs
- ▶ Super fast, strong, dry self prime
- ▶ Close coupled via SAE to engine
- ▶ Suction lifts to 28ft (8.5m)
- ▶ Operates in 'snore' conditions
- ▶ Diesel, electric or hydraulic drive
- ▶ 27% High chrome impeller & liners
- ▶ Simple maintenance
- ▶ Skid or trailer mounted
- ▶ Powered by Caterpillar or Cummins
- ▶ Pump Master™ Control Panel



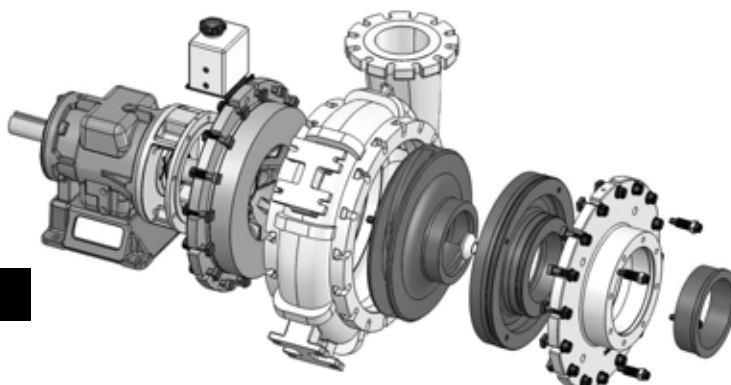
Performances shown are for cool water, frame mounted configuration with Cycloseal®. Other liquids, seal arrangements or mounting configurations may require performance adjustments.

## APPLICATIONS

- ▶ Mining
- ▶ Ground dewatering
- ▶ Dredge boosting
- ▶ Quarries
- ▶ Pipeline & drilling
- ▶ Environmental
- ▶ Construction
- ▶ Evaporation projects
- ▶ Sludge & slimes
- ▶ Water transfer

PUMP SPECIFICATIONS		
Suction:	75mm Flanged (3")	
Discharge:	50mm Flanged (2")	
Impeller Design:	15" Enclosed	
Solids Handling:	13mm (.5")	
Coupling:	Flywheel, SAE direct flanged	
Max. Operating Temperature:	100°C	
Operating Speed:	Min 800rpm	Max 2200rpm
PUMP CONSTRUCTION		
Pump Casing:	White Iron	
Impeller:	White Iron	
Wear Plate:	White Iron	
Back Plate:	White Iron	
Shaft:	17-4 P.H. Stainless Steel	
Shaft Sleeve:	416 S.S. Chrome Plated	
Mechanical Seal:	Cycloseal™ Tungsten Carbide vs Silicon Carbide Run Dry	
O-Rings:	Viton	
Bearings:	Double Angular Contact	

PUMP PERFORMANCE		
Qmax:	30 L/sec	
Hmax:	133 m	
PUMP PRIMING SYSTEM		
Vacuum pump type:	Diaphragm	
Nominal air capacity:	50 cfm	
Max Vacuum:	0.9 bar	
Drives:	Belt	
CONSTRUCTION SPECIFICATIONS		
Base Type:	SF Contractor Series	
Dry Weight	1620kg Skid	1920kg Trailer
Fuel Capacity:	500 Litres	
Suction Manifold	100mm Flanged (4") HD Gal	
Discharge Manifold	100mm Flanged (4") HD Gal	
RECOMENDED ENGINE		
Cummins Model:	QSB 4.5	
Caterpillar Model:	C4.4T ACERT	



Technical details subject to change without notice.

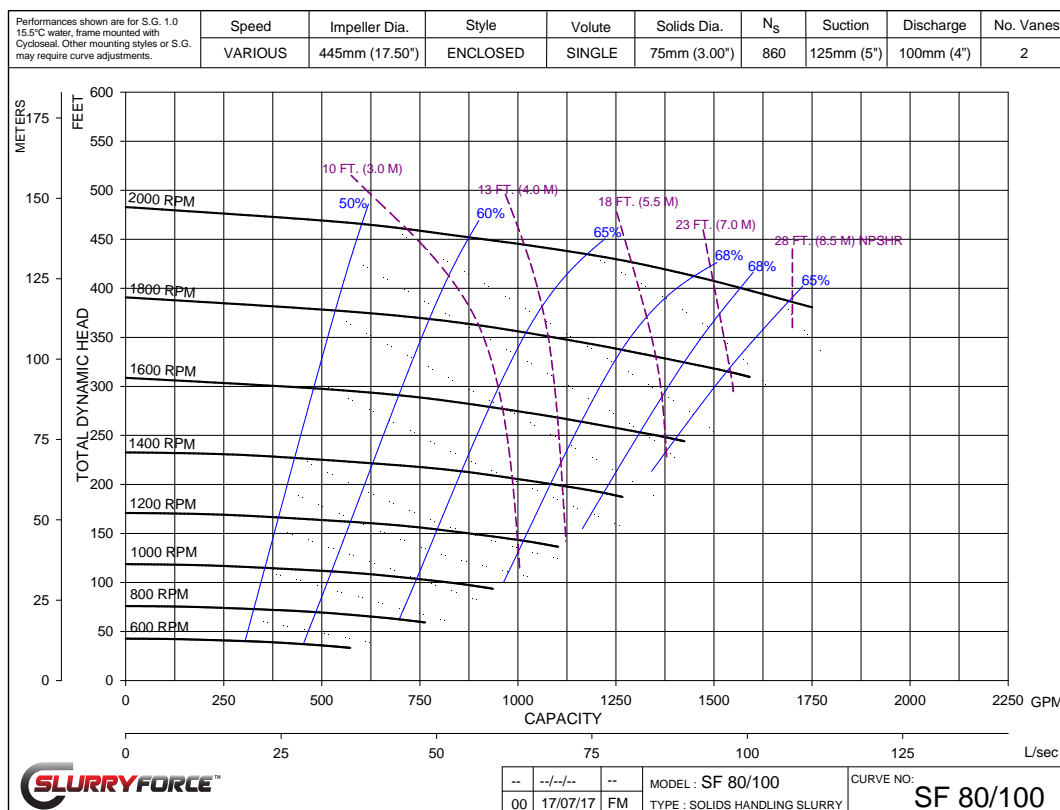
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### PUMP SPECIFICATIONS

Suction:	125mm Flanged (5")
Discharge:	100mm Flanged (4")
Impeller Design:	17.5" Enclosed
Solids Handling:	75mm (3")
Coupling:	Flywheel, SAE direct flanged
Max. Temperature:	100°C
Operating Speed:	Min 600rpm   Max 2000rpm

### PUMP CONSTRUCTION

Pump Casing:	White Iron
Impeller:	White Iron
Suction Cover:	Ductile Iron
Wear Plate:	White Iron
Back Plate:	White Iron
Shaft:	17-4 P.H. Stainless Steel
Shaft Sleeve:	416 S.S. Chrome Plated
Mechanical Seal:	Cycloseal™ Tungsten Carbide vs Silicon Carbide Run Dry
O-Rings:	Viton
Bearings:	Double Angular Contact

### PUMP PERFORMANCE

Qmax:	105 L/sec
Hmax:	146 m

### PUMP PRIMING SYSTEM

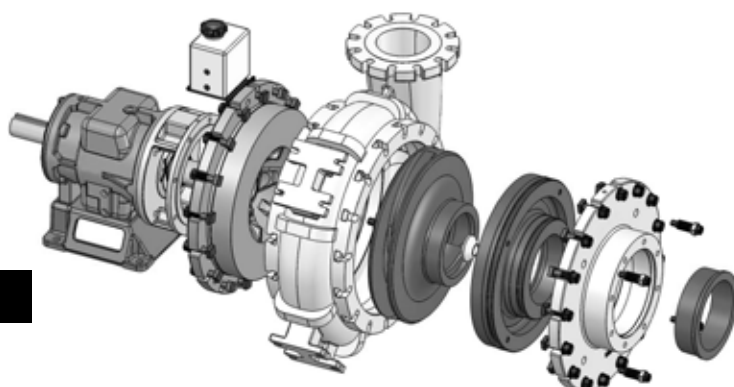
Vacuum pump type:	Diaphragm
Nominal air capacity:	50 cfm
Max Vacuum:	0.9 bar
Drives:	Belt

### CONSTRUCTION SPECIFICATIONS

Base Type:	SF 'B' Series
Dry Weight	5600kg Skid
Fuel Capacity:	1500 Litres
Suction Manifold	150mm Flanged (6") HD Gal
Discharge Manifold	150mm Flanged (6") HD Gal

### RECOMENDED ENGINE

Cummins Model:	QSB 6.7
Caterpillar Model:	C7.1 ACERT



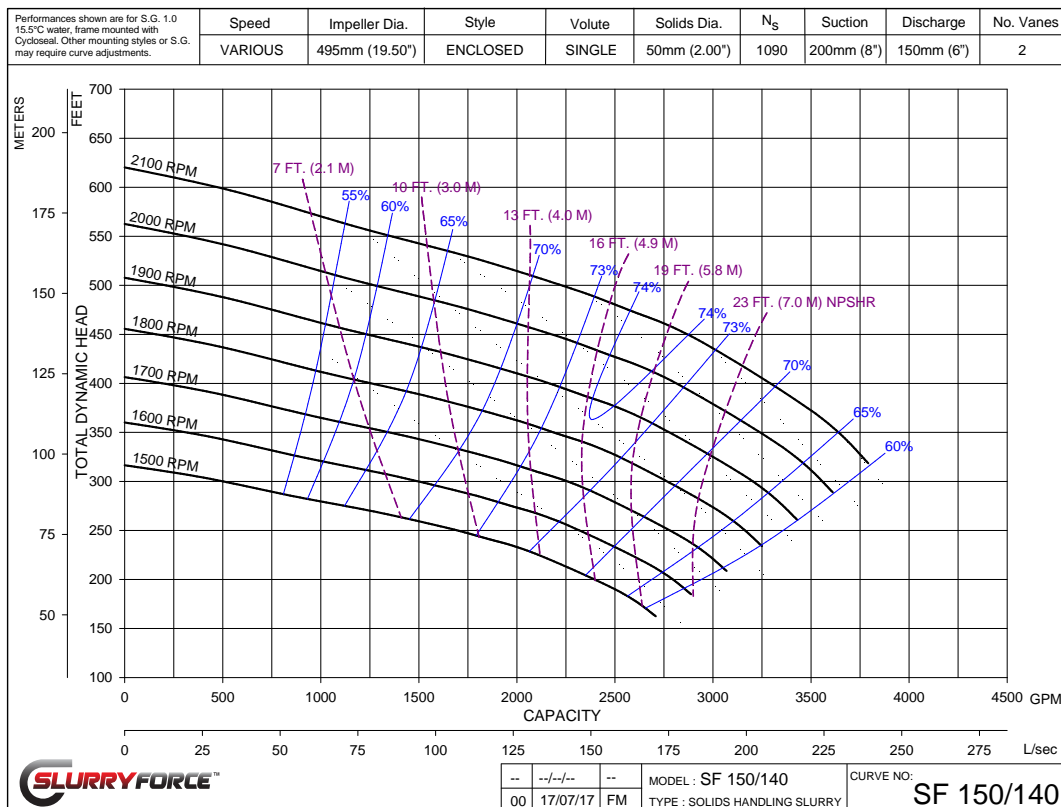
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Various engine and pump material construction options available on request.



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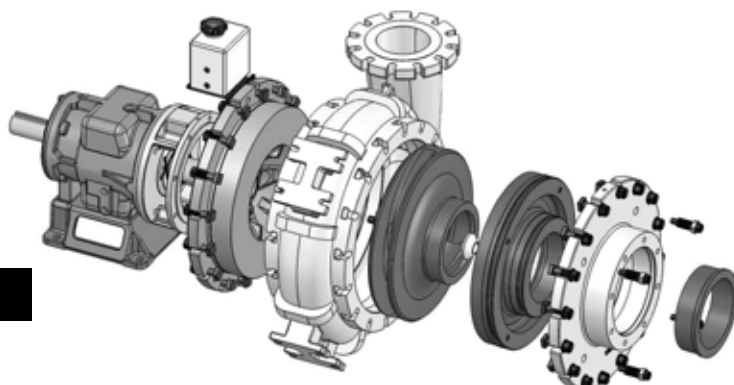
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PUMP SPECIFICATIONS	
Suction:	200mm Flanged (8")
Discharge:	150mm Flanged (6")
Impeller Design:	19.5" Enclosed
Solids Handling:	50mm (2")
Coupling:	Flywheel, SAE direct flanged
Max. Temperature:	100°C
Operating Speed:	Min 1500rpm   Max 2100rpm
PUMP CONSTRUCTION	
Pump Casing:	White Iron
Impeller:	White Iron
Suction Cover:	Ductile Iron
Wear Plate:	White Iron
Back Plate:	White Iron
Shaft:	17-4 P.H. Stainless Steel
Shaft Sleeve:	416 S.S. Chrome Plated
Mechanical Seal:	Cycloseal™ Tungsten Carbide vs Silicon Carbide Run Dry
O-Rings:	Viton
Bearings:	Double Angular Contact

PUMP PERFORMANCE	
Qmax:	235 L/sec
Hmax:	189 m
PUMP PRIMING SYSTEM	
Vacuum pump type:	Diaphragm
Nominal air capacity:	50 cfm
Max Vacuum:	0.9 bar
Drives:	Belt
CONSTRUCTION SPECIFICATIONS	
Base Type:	SF 'C' Series
Dry Weight	10500kg Skid
Fuel Capacity:	2000 Litres
Suction Manifold	250mm Flanged (10") HD Gal
Discharge Manifold	200mm Flanged (8") HD Gal
RECOMENDED ENGINE	
Cummins Model:	QSX 15
Caterpillar Model:	C15 ACERT



Technical details subject to change without notice.

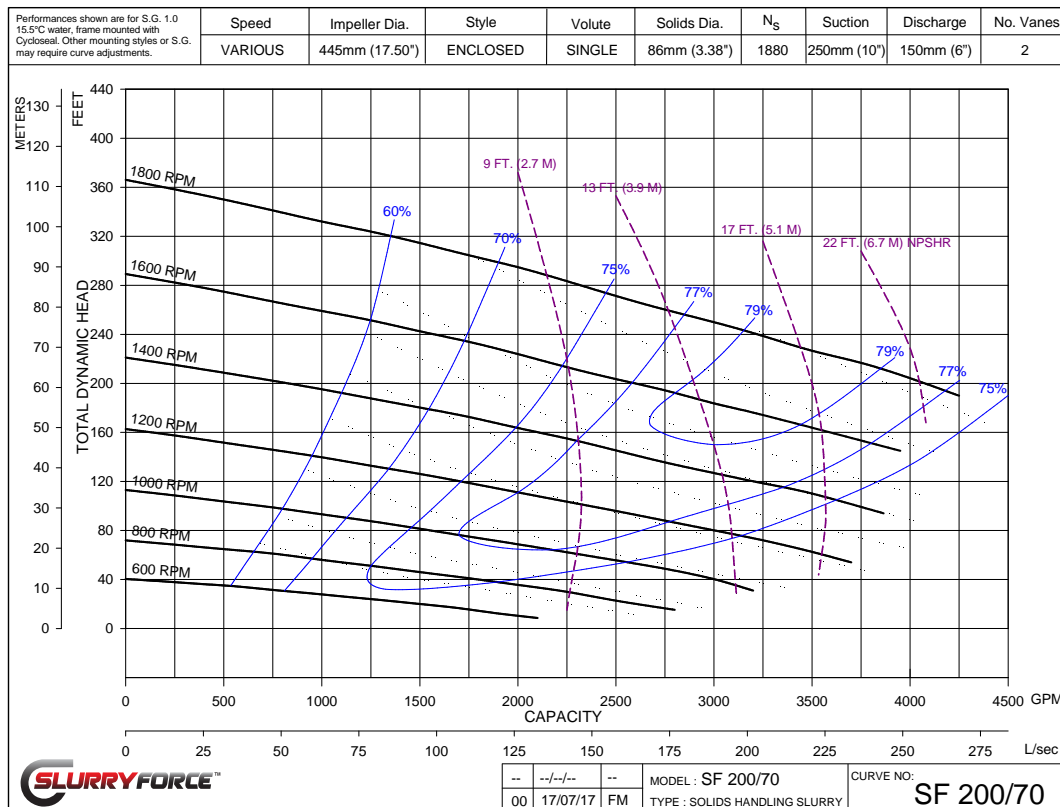
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### PUMP SPECIFICATIONS

Suction:	250mm Flanged (10")
Discharge:	150mm Flanged (6")
Impeller Design:	17.5" Enclosed
Solids Handling:	86mm (3.38")
Coupling:	Flywheel, SAE direct flanged
Max. Temperature:	100°C
Operating Speed:	Min 600rpm   Max 1800rpm

### PUMP CONSTRUCTION

Pump Casing:	White Iron
Impeller:	White Iron
Suction Cover:	Ductile Iron
Wear Plate:	White Iron
Back Plate:	White Iron
Shaft:	17.4 P.H. Stainless Steel
Shaft Sleeve:	416 S.S. Chrome Plated
Mechanical Seal:	Cycloseal™ Tungsten Carbide vs Silicon Carbide Run Dry
O-Rings:	Viton
Bearings:	Double Angular Contact

### PUMP PERFORMANCE

Qmax:	265 L/sec
Hmax:	111 m

### PUMP PRIMING SYSTEM

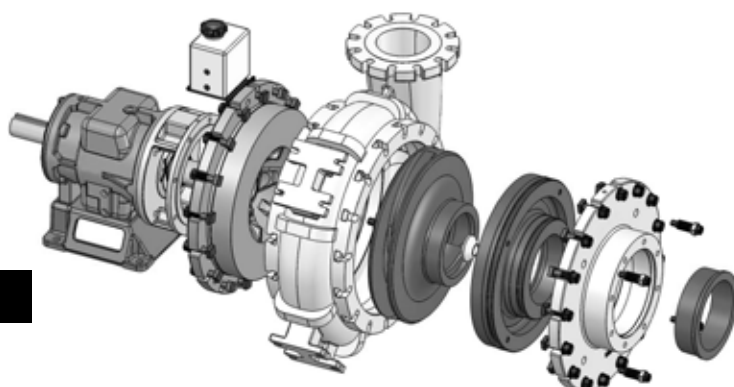
Vacuum pump type:	Diaphragm
Nominal air capacity:	50 cfm
Max Vacuum:	0.9 bar
Drives:	Belt

### CONSTRUCTION SPECIFICATIONS

Base Type:	SF 'B' Series
Dry Weight	5600kg Skid
Fuel Capacity:	1500 Litres
Suction Manifold	300mm Flanged (12") HD Gal
Discharge Manifold	200mm Flanged (8") HD Gal

### RECOMENDED ENGINE

Cummins Model:	QSM 11
Caterpillar Model:	C13 ACERT



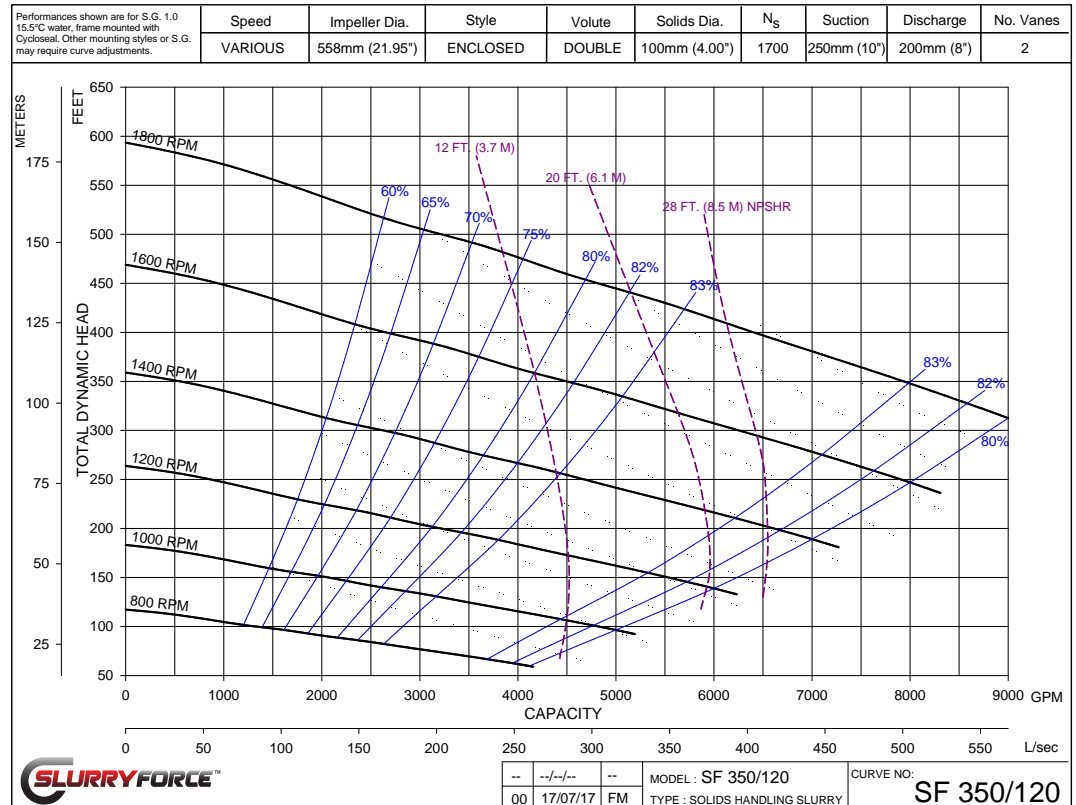
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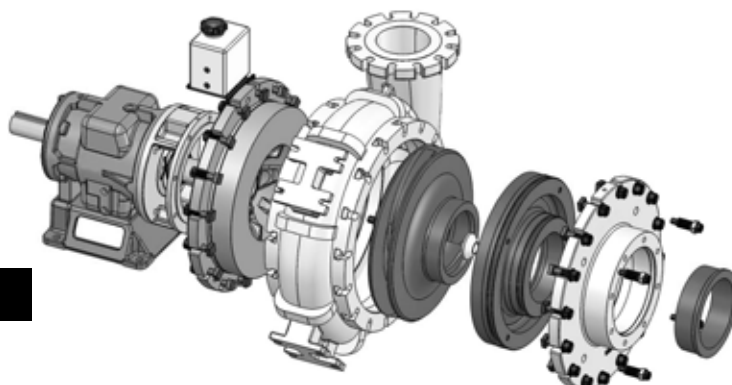
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PUMP SPECIFICATIONS	
Suction:	250mm Flanged (10")
Discharge:	200mm Flanged (8")
Impeller Design:	21.95" Enclosed
Solids Handling:	100mm (4")
Coupling:	Flywheel, SAE direct flanged
Max. Temperature:	100°C
Operating Speed:	Min 800rpm   Max 1800rpm
PUMP CONSTRUCTION	
Pump Casing:	White Iron
Impeller:	White Iron
Suction Cover:	Ductile Iron
Wear Plate:	White Iron
Back Plate:	White Iron
Shaft:	17-4 P.H. Stainless Steel
Shaft Sleeve:	416 S.S. Chrome Plated
Mechanical Seal:	Cycloseal™ Tungsten Carbide vs Silicon Carbide Run Dry
O-Rings:	Viton
Bearings:	Double Angular Contact

PUMP PERFORMANCE	
Qmax:	565 L/sec
Hmax:	182 m
PUMP PRIMING SYSTEM	
Vacuum pump type:	Diaphragm
Nominal air capacity:	50 cfm
Max Vacuum:	0.9 bar
Drives:	Belt
CONSTRUCTION SPECIFICATIONS	
Base Type:	SF 'C' Series
Dry Weight	10500kg Skid
Fuel Capacity:	3000 Litres
Suction Manifold	350mm Flanged (14") HD Gal
Discharge Manifold	250mm Flanged (10") HD Gal
RECOMENDED ENGINE	
Cummins Model:	QST 30
Caterpillar Model:	C27 ACERT



Technical details subject to change without notice.

Various engine and pump material construction options available on request.





# TF Series Vac-assist







# TF Series Vac-assist

**The Truflo Pumps Pump range has been designed for mining and contractor companies; tough, compact, high performance pumps.**

Designed to be maneuverable, easy to handle, rugged and extremely reliable with the highest efficiencies possible.

Used extensively by major rental and dewatering contractors, they continue to out-perform others every time.

The Truflo Pumps Pumps are renown for their solids handling capacity and cost efficient solutions.

**Inhouse  
Mechanical  
Engineering**



# TF Vac-assisted **Civil Series**





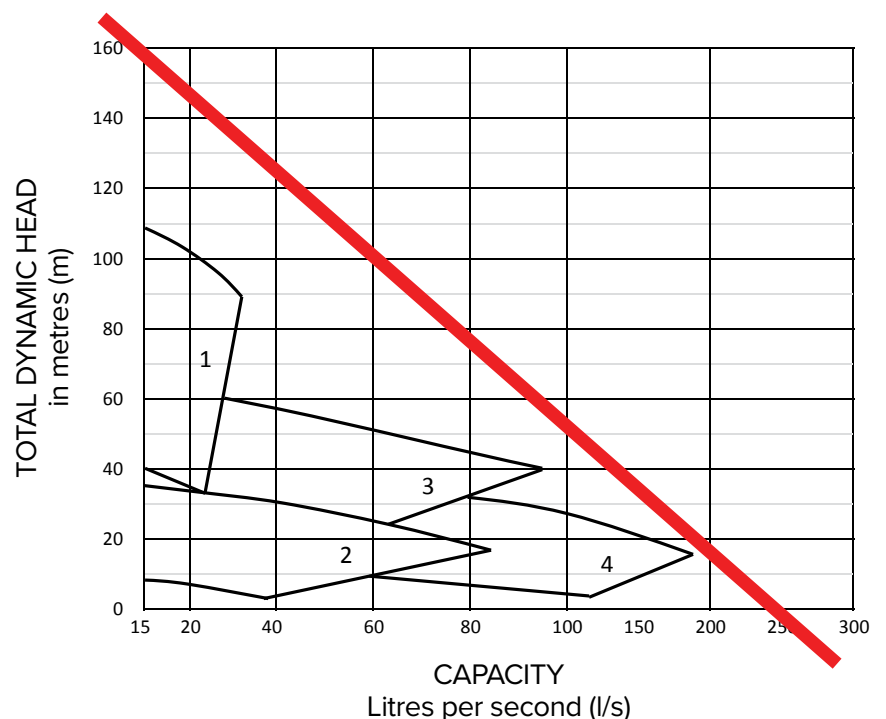
# Civil Series

The vac-assist 'Civil Series' pumps have been specifically engineered and designed for small to medium pumping application requirements.

Built using the same features as the larger renowned Truflo Pumps pumps, these units offer incredible value with exceptional quality. Built compact yet tough to provide unmatched reliability and performance on the field.

## MODELS

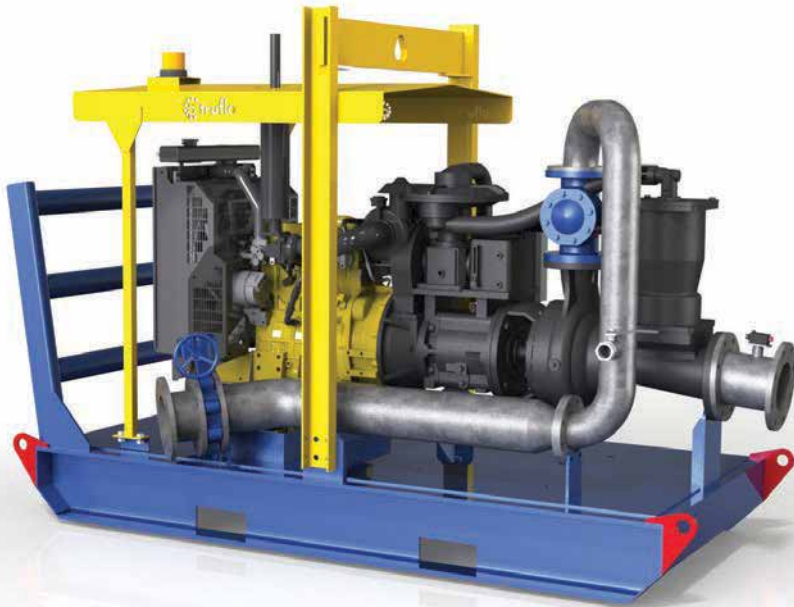
1. Civil Series TF 20-100
2. Civil Series TF 50-30
3. Civil Series TF 70-50
4. Civil Series TF 120-25





# TF120-25 Datasheet

## Vac-assisted dewatering pumpsets



Truflo Pumps' Vac-assisted Dewatering Pumpsets have established an enviable reputation as the market leader in the design, development and manufacture of high performing dewatering and water transfer equipment. Our pumpsets are developed on the premise of providing the very best in dependability, efficiencies, and value for money.

This equipment is used extensively throughout the mining, quarrying and other heavy duty industries together with major rental and dewatering contractors — Truflo Pumps are renowned for their solids handling capacity and outstanding operation efficiencies.

A major strength is that Truflo Pumps manufactures their own pump parts right here in Australia, directly controlling the exacting quality and OEM parts supply that customer's have come to expect. We work with you to build pumps to suit your specific application or challenge.



### Standard Pumpset Features

- Australian-made and Australian-owned
- Electronic pump control and alert system
- Superior solids handling capabilities
- Operates in snore conditions
- Standard pumpsets configurable to suit inlet and outlet positioning
- Vac-assisted self-priming
- Robust engine canopy with central lift point
- Inbuilt extreme duty positioning "push bar" on skid configuration
- 24-hour runtime (dependent on final engine choice and pumpset duty)
- Ease of maintenance
- Full set of industry standard safety and operational signage applied to equipment
- Comprehensive installation, operations and spare parts manual linked to machine serial number
- OEM parts supplier for all the pumpset range
- Superior nation-wide customer service and support linked to equipment serial number.

### Standard Supply Offerings

#### Truflo PumpMaster Control

- Full engine protection
- Full pump protection
- Suction and pressure transducers
- Loss of flow switch
- Pump temperature protection
- Remote Start ready
- Telemetry ready

Built to Australian standards and robust mining industry expectations

50cfm vacuum diaphragm pump

Powered by Caterpillar or Cummins engines

Truflo Mining Series Wet-end with high grade duplex impeller

Marine grade 2-pack paint

Baffled fuel tank base

Bisalloy replaceable wear plates

Fitted non-return valve on pump discharge

Isolation valve

Purpose built exhaust system heat shielding

OEM genuine wiring harness

Battery and Start Isolation

Vented steel battery box

185 amp jump start receptacle

Mechanical fuel gauge

External Emergency Stop button

Depressurised radiator cap

50mm Splash Fill fuel inlet

Engine, oil and coolant drain

Standard pumpset configuration customisable on request.

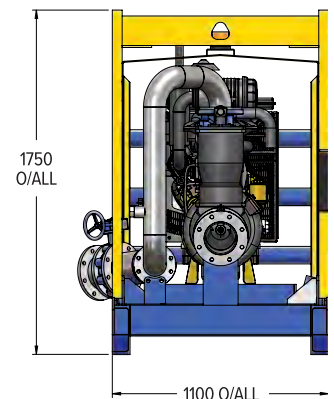
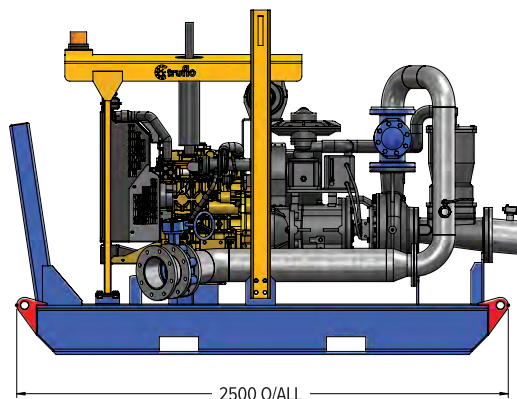
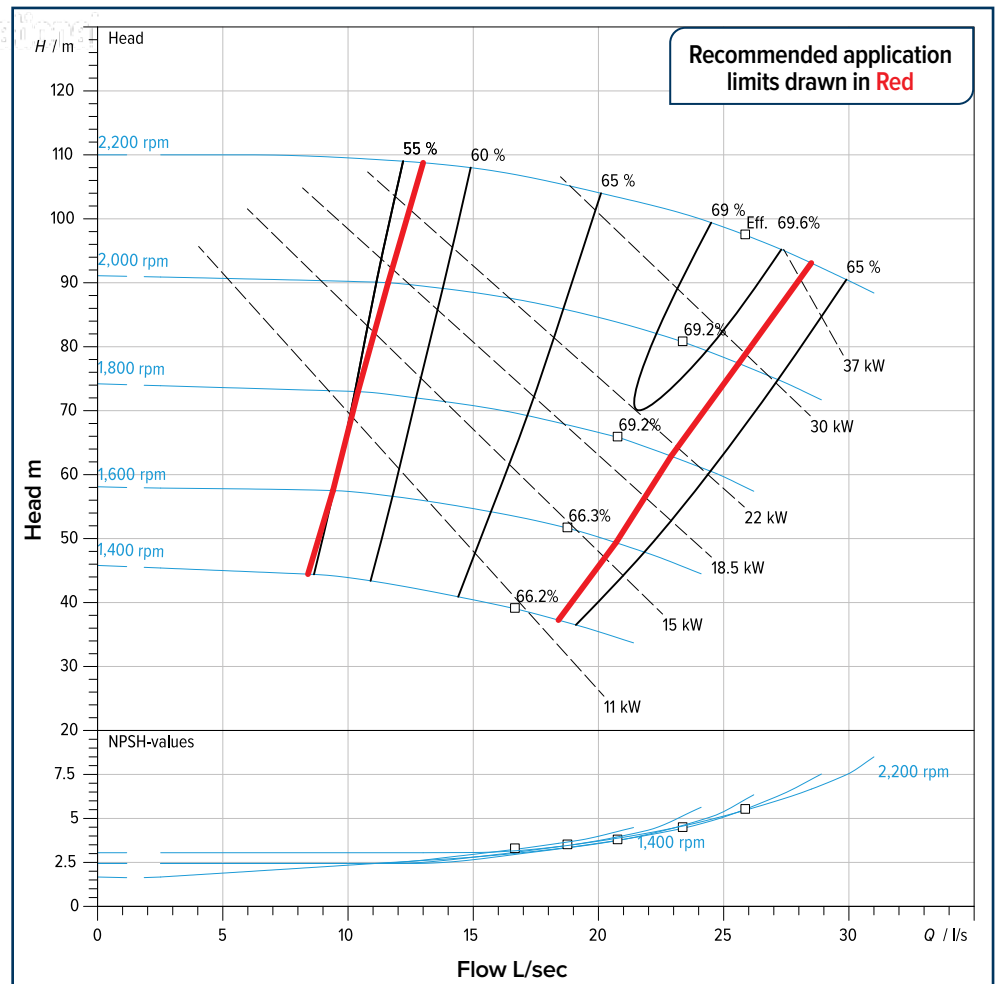
## TF20-100 DATASHEET

### Standard Options

- Wiggins style engine lube / coolant drain
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	100mm ANSI Flanged
Discharge	63mm ANSI Flanged
Impeller Design	355mm Enclosed
Solids Handling	10mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1400 rpm   Max 2200 rpm

### PUMP PERFORMANCE

Qmax	30 L/sec
Hmax	110m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	Civil Series
Dry Weight*	1620kg
Fuel Capacity	250 Litres
Suction Manifold	100mm Flanged HD Gal
Discharge Manifold	100mm Flanged HD Gal
Nominal Dimension	2500 x 1100 x 1750mm

### RECOMMENDED ENGINE

Cummins Model	B3.3
Caterpillar Model	C2.2TA



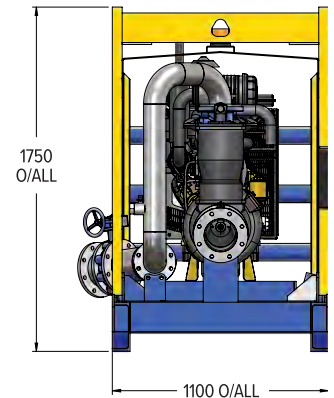
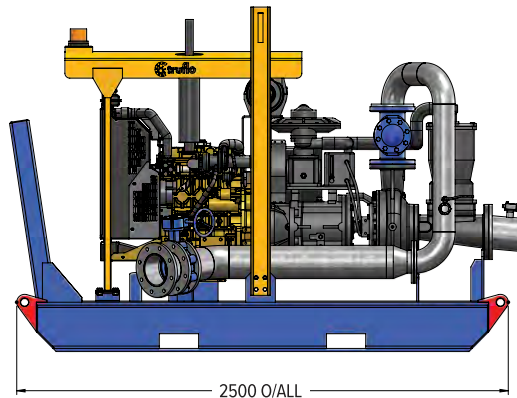
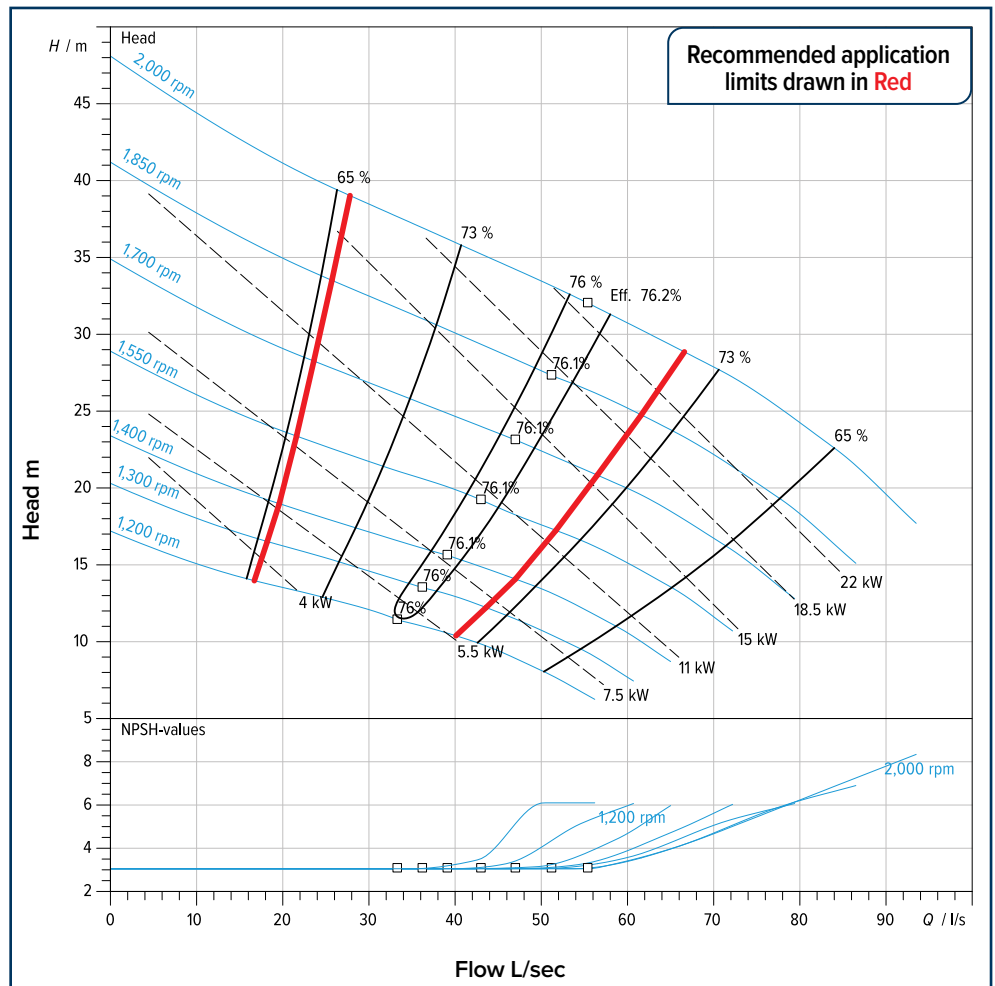
## TF50-30 DATASHEET

### Standard Options

- Wiggins style engine lube / coolant drain
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	150mm ANSI Flanged
Discharge	100mm ANSI Flanged
Impeller Design	256mm Enclosed
Solids Handling	75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	90 L/sec
Hmax	45m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	Civil Series
Dry Weight*	1620kg
Fuel Capacity	250 Litres
Suction Manifold	150mm Flanged HD Gal
Discharge Manifold	100mm Flanged HD Gal
Nominal Dimension	2500 x 1100 x 1750mm

### RECOMMENDED ENGINE

Cummins Model	B3.3
Caterpillar Model	C2.2T

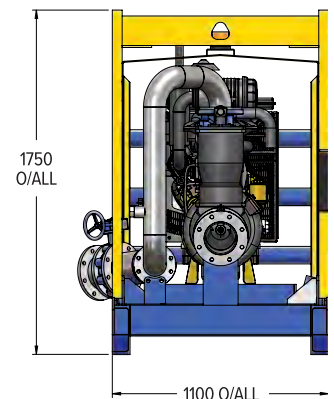
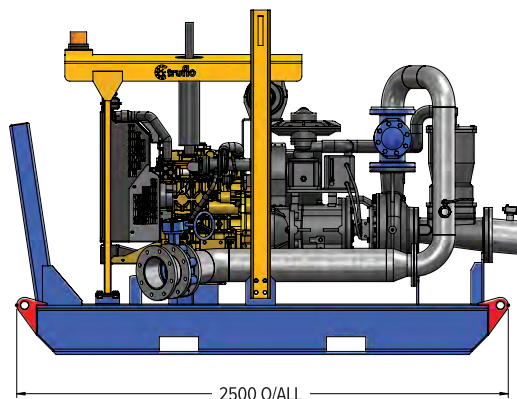
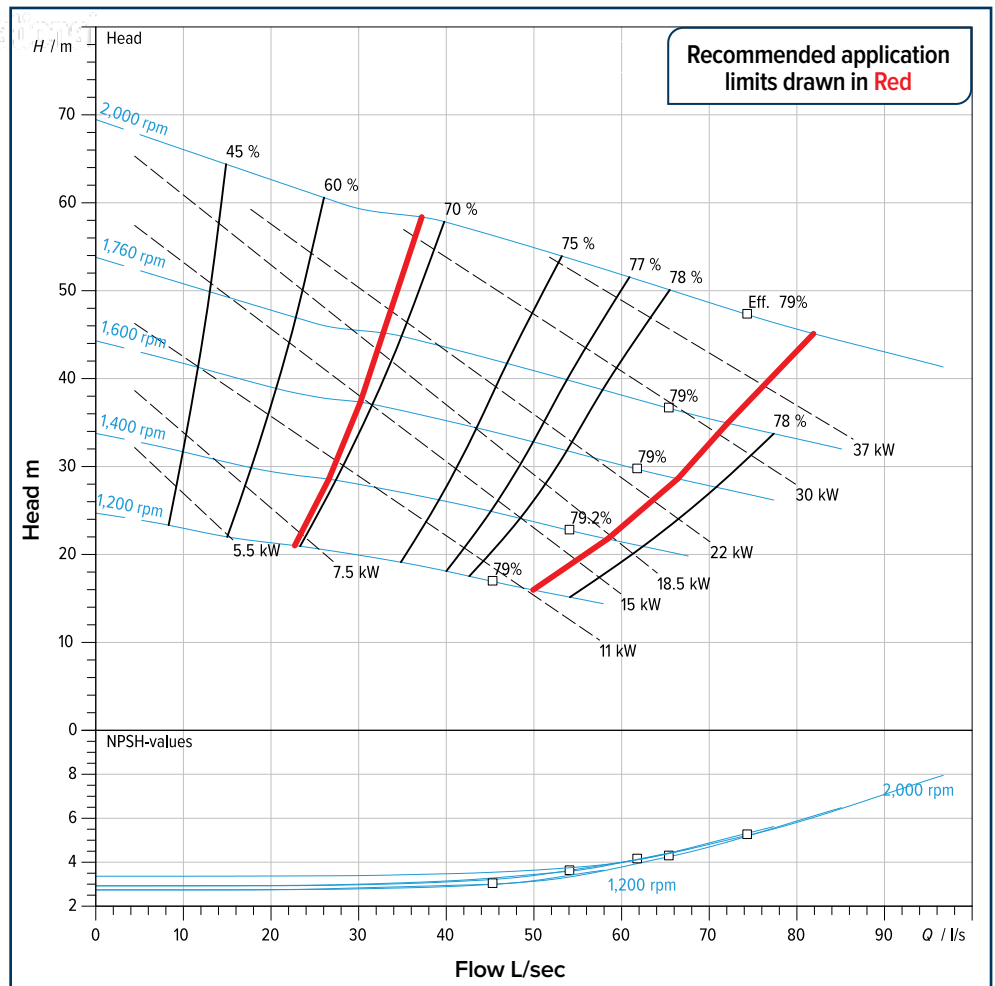
## TF70-50 DATASHEET

### Standard Options

- Wiggins style engine lube / coolant drain
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	150mm ANSI Flanged
Discharge	100mm ANSI Flanged
Impeller Design	305mm Enclosed
Solids Handling	75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	80 L/sec
Hmax	70m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	Civil Series
Dry Weight*	1620kg
Fuel Capacity	250 Litres
Suction Manifold	150mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	2500 x 1100 x 1750mm

### RECOMMENDED ENGINE

Cummins Model	B3.3
Caterpillar Model	C2.2TA



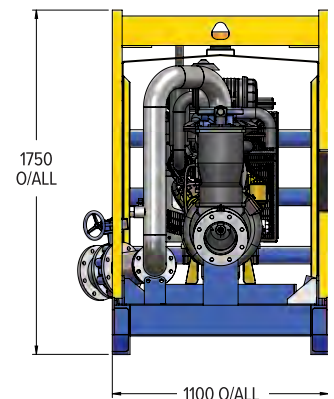
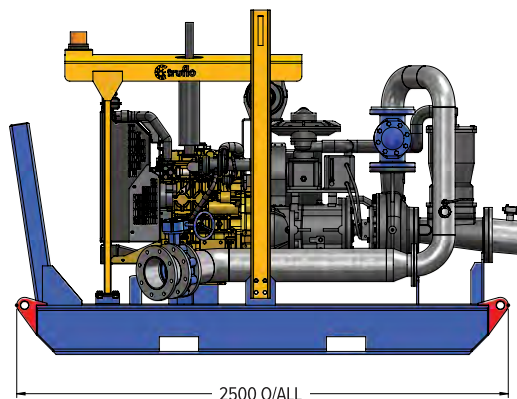
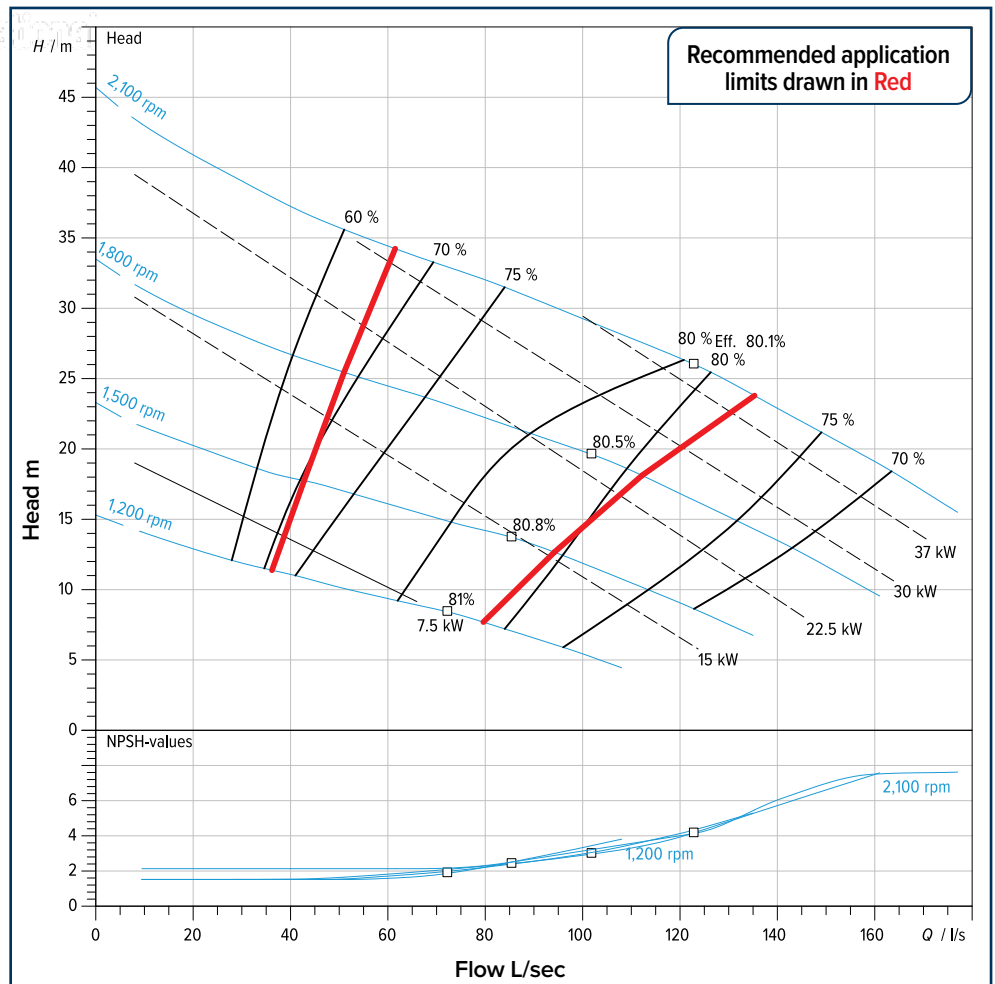
# TF120-25 DATASHEET

## Standard Options

- Wiggins style engine lube / coolant drain
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

## Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



## PUMP SPECIFICATIONS

Suction	200mm ANSI Flanged
Discharge	150mm ANSI Flanged
Impeller Design	256mm Enclosed
Solids Handling	75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2100 rpm

## PUMP PERFORMANCE

Qmax	165 L/sec
Hmax	45m

## PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

## PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Deep Groove

## CONSTRUCTION SPECIFICATIONS

Base Type	Civil Series
Dry Weight*	1620kg
Fuel Capacity	250 Litres
Suction Manifold	200mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	2500 x 1100 x 1750mm

## RECOMMENDED ENGINE

Cummins Model	B3.3
Caterpillar Model	C2.2TA



# UNBEATABLE POWER





# TF Vac-assisted **Contractor Series**





# Contractor

The vac-assist 'Contractor Series' pumps are designed for mining and contractor companies; tough, extremely compact high performance pumps.

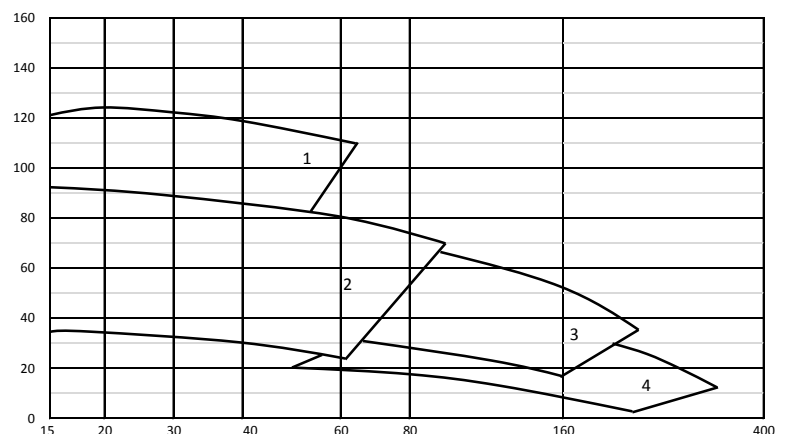
Designed to provide maneuverable, easy to handle, rugged and reliable solutions.

Used extensively by major rental and dewatering contractors, they continue to out perform others every time.

## MODELS

1. Contractor Series TF50-100
2. Contractor Series TF70-80
3. Contractor Series TF160-50
4. Contractor Series TF300-20

**TOTAL DYNAMIC HEAD**  
in metres (m)



**CAPACITY**  
Litres per second (l/s)



# TF50-100 Datasheet

## Vac-assisted dewatering pumpsets



Truflo Pumps' Vac-assisted Dewatering Pumpsets have established an enviable reputation as the market leader in the design, development and manufacture of high performing dewatering and water transfer equipment. Our pumpsets are developed on the premise of providing the very best in dependability, efficiencies, and value for money.

This equipment is used extensively throughout the mining, quarrying and other heavy duty industries together with major rental and dewatering contractors — Truflo Pumps are renowned for their solids handling capacity and outstanding operation efficiencies.

A major strength is that Truflo Pumps manufactures their own pump parts right here in Australia, directly controlling the exacting quality and OEM parts supply that customer's have come to expect. We work with you to build pumps to suit your specific application or challenge.



### Standard Pumpset Features

- Australian-made and Australian-owned
- Electronic pump control and alert system
- Superior solids handling capabilities
- Operates in snore conditions
- Standard pumpsets configurable to suit inlet and outlet positioning
- Vac-assisted self-priming
- Robust engine canopy with central lift point
- Inbuilt extreme duty positioning "push bar" on skid configuration
- 24-hour runtime (dependent on final engine choice and pumpset duty)
- Ease of maintenance
- Full set of industry standard safety and operational signage applied to equipment
- Comprehensive installation, operations and spare parts manual linked to machine serial number
- OEM parts supplier for all the pumpset range
- Superior nation-wide customer service and support linked to equipment serial number.

### Standard Supply Offerings

#### Truflo PumpMaster Control

- Full engine protection
- Full pump protection
- Suction and pressure transducers
- Loss of flow switch
- Pump temperature protection
- Remote Start ready
- Telemetry ready

Built to Australian standards and robust mining industry expectations

50cfm vacuum diaphragm pump

Powered by Caterpillar or Cummins engines

Truflo Mining Series Wet-end with high grade duplex impeller

Marine grade 2-pack paint

Baffled fuel tank base

Bisalloy replaceable wear plates

Fitted non-return valve on pump discharge

Isolation valve

Purpose built exhaust system heat shielding

OEM genuine wiring harness

Battery and Start Isolation

Vented steel battery box

350 amp jump start receptacle

Mechanical fuel gauge

External Emergency Stop button

Depressurised radiator cap

50mm Splash Fill fuel inlet

Engine, oil and coolant drain

Standard pumpset configuration customisable on request.

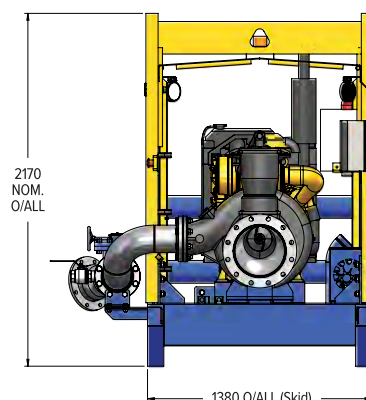
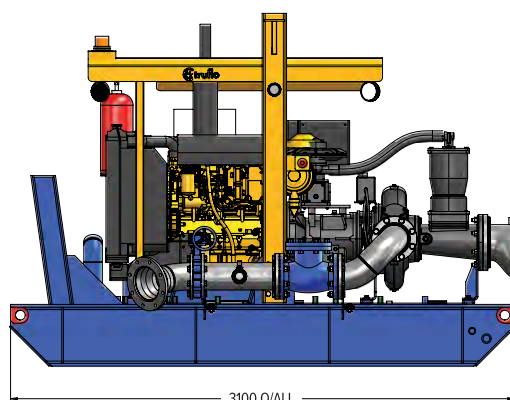
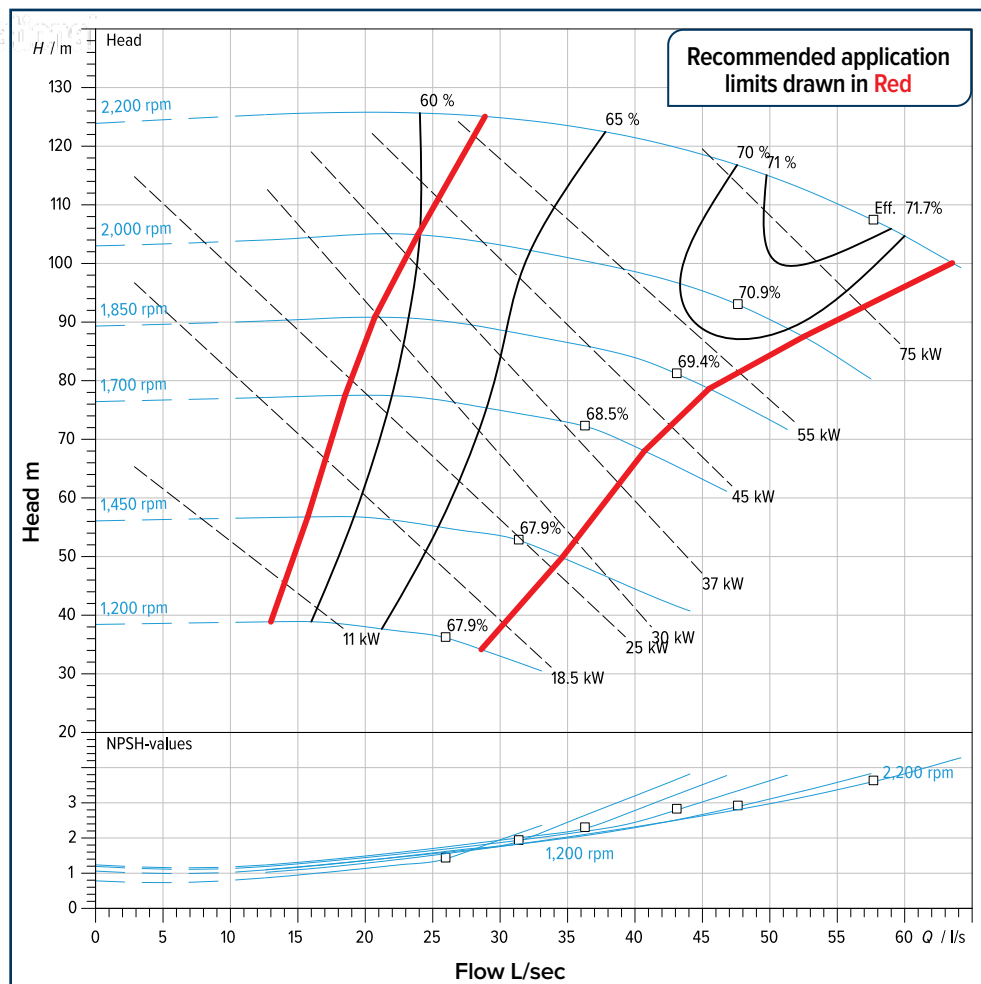
## TF50-100 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	150mm ANSI Flanged
Discharge	75mm ANSI Flanged
Impeller Design	387mm Enclosed
Solids Handling	13mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2100 rpm

### PUMP PERFORMANCE

Qmax	60 L/sec
Hmax	125m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	Contractor Series
Dry Weight*	2600kg
Fuel Capacity	500 Litres
Suction Manifold	150mm Flanged HD Gal
Discharge Manifold	100mm Flanged HD Gal
Nominal Dimension	3100 x 1380 x 2170mm

### RECOMMENDED ENGINE

Cummins Model	QSB4.5
Caterpillar Model	C4.4 ACERT



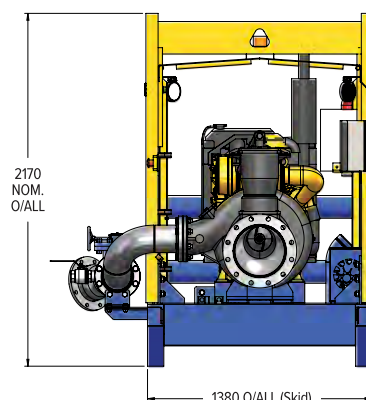
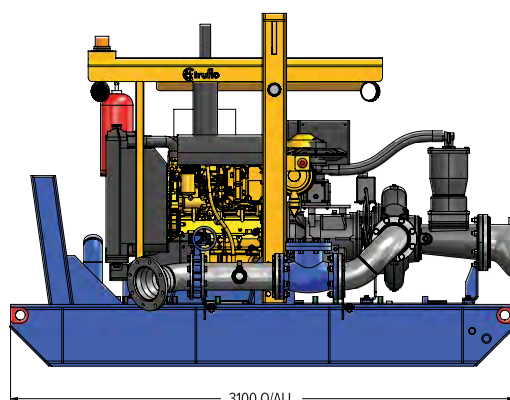
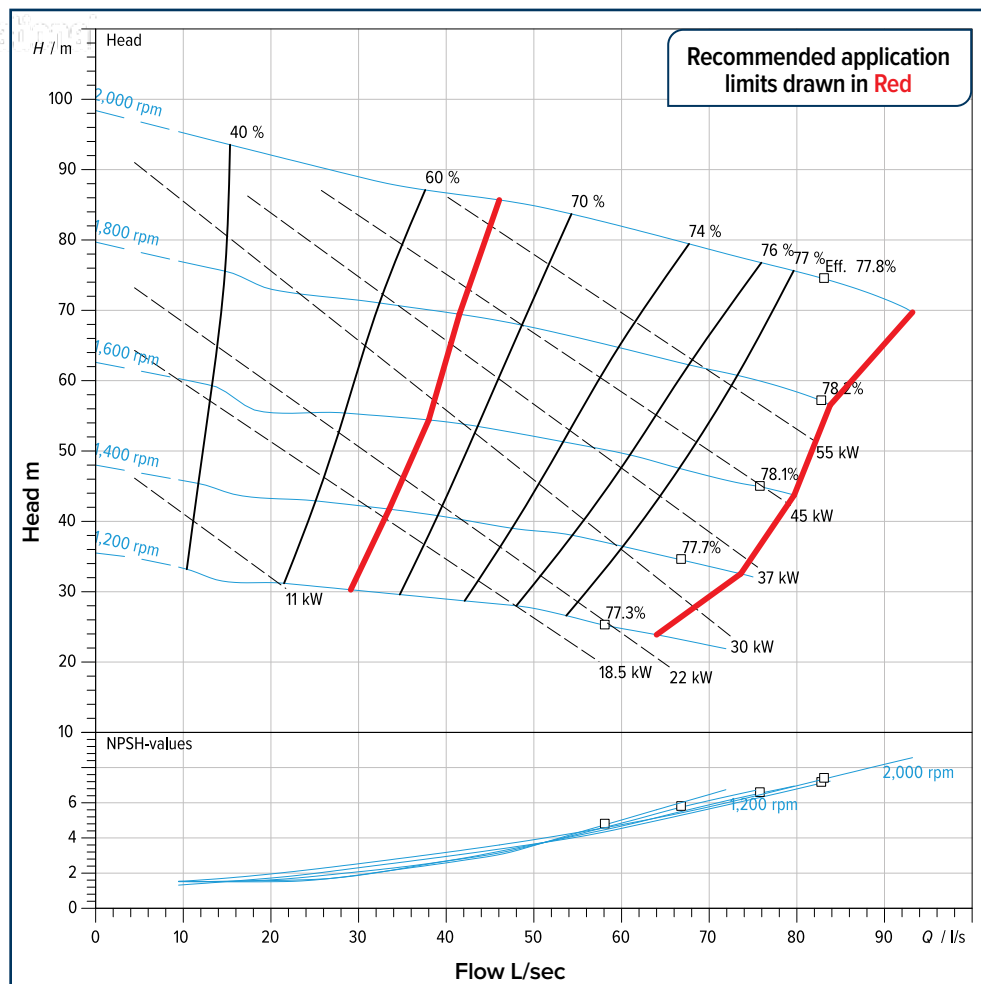
## TF70-80 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	150mm ANSI Flanged
Discharge	100mm ANSI Flanged
Impeller Design	356mm Enclosed
Solids Handling	75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	80 L/sec
Hmax	85m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	Contractor Series
Dry Weight*	2600kg
Fuel Capacity	500 Litres
Suction Manifold	150mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	3100 x 1380 x 2170mm

### RECOMMENDED ENGINE

Cummins Model	QSB4.5
Caterpillar Model	C4.4 ACERT

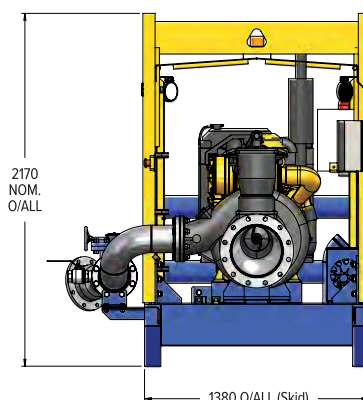
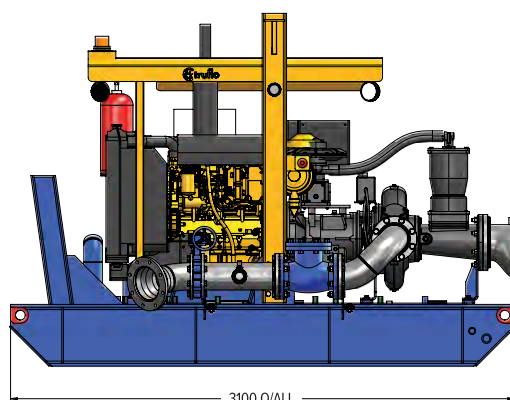
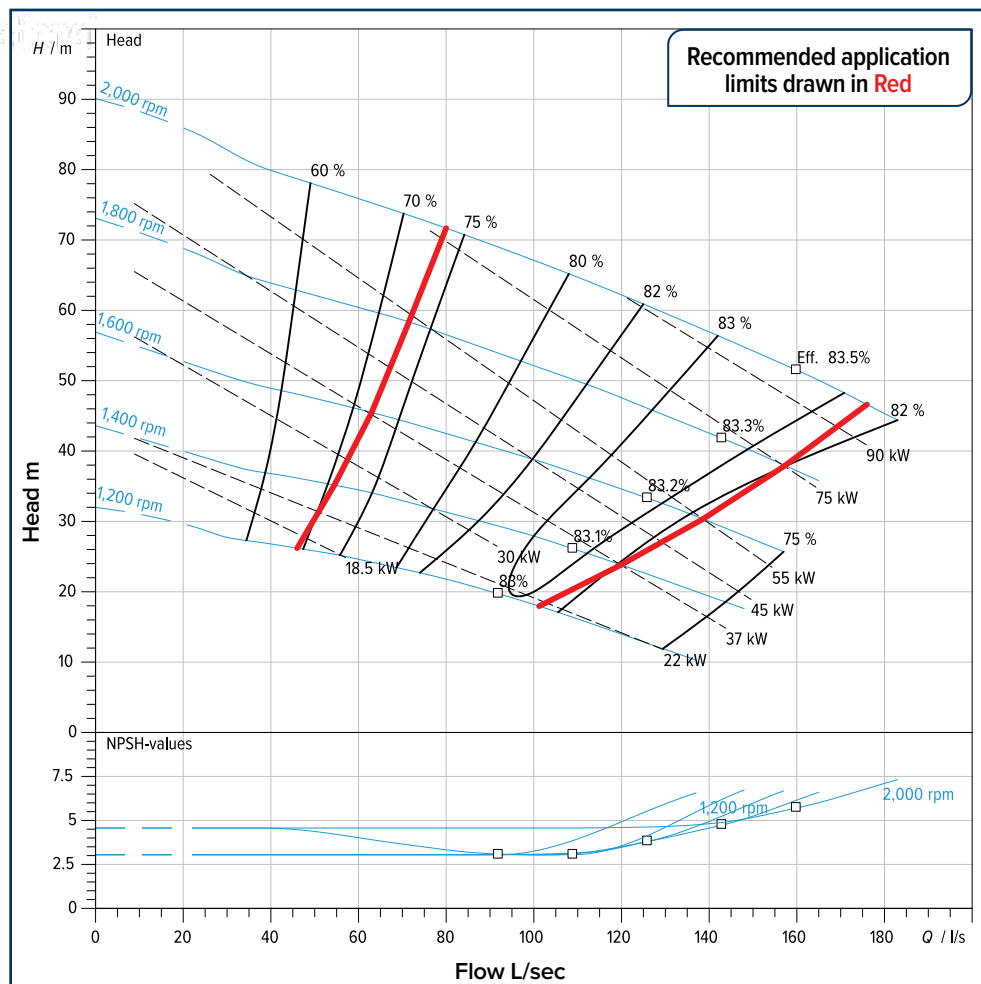
## TF160-50 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	200mm ANSI Flanged
Discharge	150mm ANSI Flanged
Impeller Design	356mm Enclosed
Solids Handling	75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	175 L/sec
Hmax	85m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	Contractor Series
Dry Weight*	2600kg
Fuel Capacity	500 Litres
Suction Manifold	200mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	3100 x 1380 x 2170mm

### RECOMMENDED ENGINE

Cummins Model	QSB4.5
Caterpillar Model	C4.4 ACERT



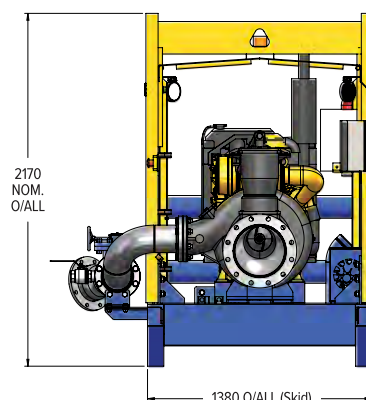
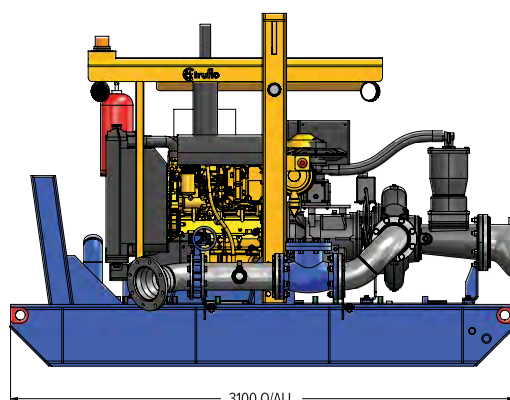
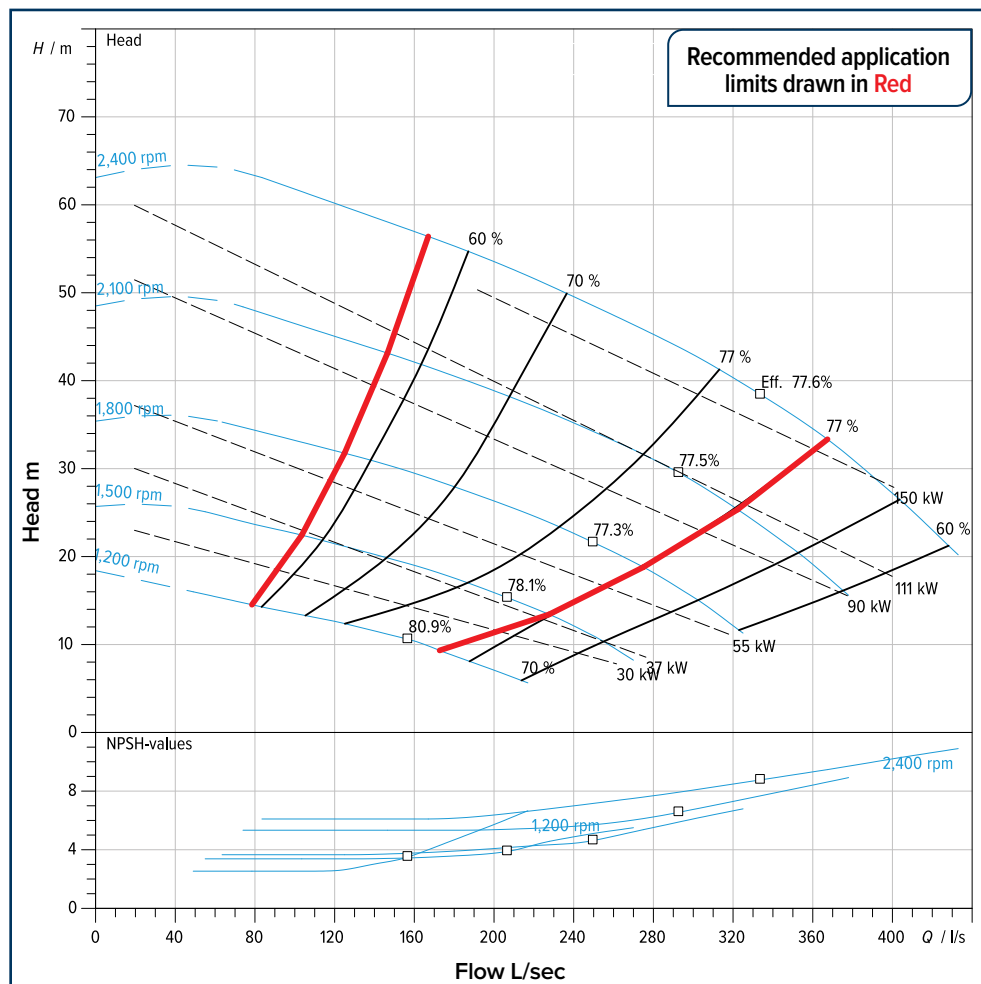
## TF300-20 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	300mm ANSI Flanged
Discharge	250mm ANSI Flanged
Impeller Design	292mm Enclosed
Solids Handling	35mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2100 rpm

### PUMP PERFORMANCE

Qmax	350 L/sec
Hmax	40m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	Contractor Series
Dry Weight*	2600kg
Fuel Capacity	500 Litres
Suction Manifold	350mm Flanged HD Gal
Discharge Manifold	300mm Flanged HD Gal
Nominal Dimension	3100 x 1380 x 2170mm

### RECOMMENDED ENGINE

Cummins Model	QSB4.5
Caterpillar Model	C4.4 ACERT



HIGHEST  
EFFICIENCY



# TF Vac-assisted **B Series**





# B Series

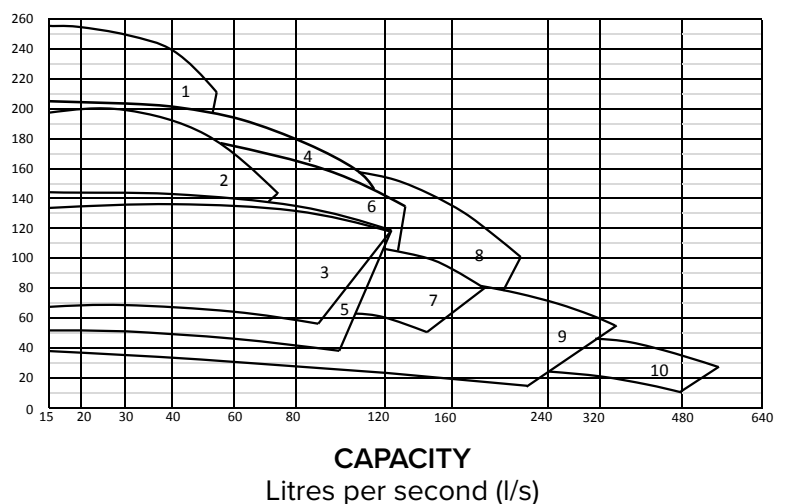
The **Vac-assist 'B Series** represents the large mining pumps within the Truflo Pumps' mining range, most widely used as versatile broad spectrum application pumps, providing mining companies with a versatile solution for a wide range of applications.

These pumps are built tough, designed to work hard providing thousands of operating hours withstanding handling abuse and site ruggedness; a rental companies favorite.

## MODELS

- |                        |                        |
|------------------------|------------------------|
| 1. B Series TF 40-200  | 7. B Series TF 140-100 |
| 2. B Series TF 60-150  | 8. B Series TF 150-140 |
| 3. B Series TF 80-120  | 9. B Series TF 250-100 |
| 4. B Series TF 80-180  | 10. B Series TF 250-70 |
| 5. B Series TF 100-100 | 11. B Series TF 400-40 |
| 6. B Series TF 100-150 | 12. B Series TF 400-60 |

TOTAL DYNAMIC HEAD  
in metres (m)





# TF40-200 Datasheet

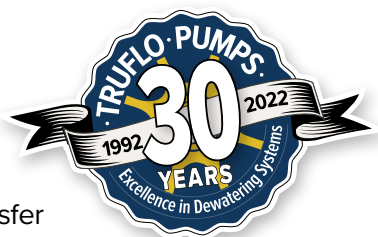
## Vac-assisted dewatering pumpsets



Truflo Pumps' Vac-assisted Dewatering Pumpsets have established an enviable reputation as the market leader in the design, development and manufacture of high performing dewatering and water transfer equipment. Our pumpsets are developed on the premise of providing the very best in dependability, efficiencies, and value for money.

This equipment is used extensively throughout the mining, quarrying and other heavy duty industries together with major rental and dewatering contractors — Truflo Pumps are renowned for their solids handling capacity and outstanding operation efficiencies.

A major strength is that Truflo Pumps manufactures their own pump parts right here in Australia, directly controlling the exacting quality and OEM parts supply that customer's have come to expect. We work with you to build pumps to suit your specific application or challenge.



### Standard Pumpset Features

- Australian-made and Australian-owned
- Electronic pump control and alert system
- Superior solids handling capabilities
- Operates in snore conditions
- Standard pumpsets configurable to suit inlet and outlet positioning
- Vac-assisted self-priming
- Robust engine canopy with central lift point
- Inbuilt extreme duty positioning "push bar" on skid configuration
- 24-hour runtime (dependent on final engine choice and pumpset duty)
- Ease of maintenance
- Full set of industry standard safety and operational signage applied to equipment
- Comprehensive installation, operations and spare parts manual linked to machine serial number
- OEM parts supplier for all the pumpset range
- Superior nation-wide customer service and support linked to equipment serial number.

### Standard Supply Offerings

#### Truflo PumpMaster Control

- Full engine protection
- Full pump protection
- Suction and pressure transducers
- Loss of flow switch
- Pump temperature protection
- Remote Start ready
- Telemetry ready

Built to Australian standards and robust mining industry expectations

50cfm vacuum diaphragm pump

Powered by Caterpillar or Cummins engines

Truflo Mining Series Wet-end with high grade duplex impeller

Marine grade 2-pack paint

Baffled fuel tank base

Bisalloy replaceable wear plates

Fitted non-return valve on pump discharge

Isolation valve

Purpose built exhaust system heat shielding

OEM genuine wiring harness

Battery and Start Isolation

Vented steel battery box

350 amp jump start receptacle

Mechanical fuel gauge

External Emergency Stop button

Depressurised radiator cap

50mm Splash Fill fuel inlet

Engine, oil and coolant drain

Standard pumpset configuration customisable on request.

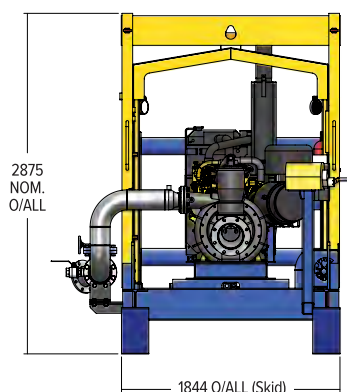
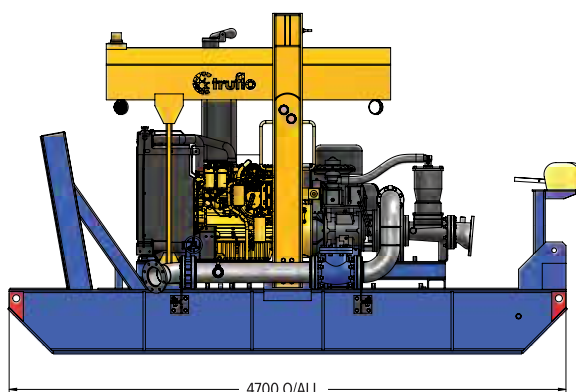
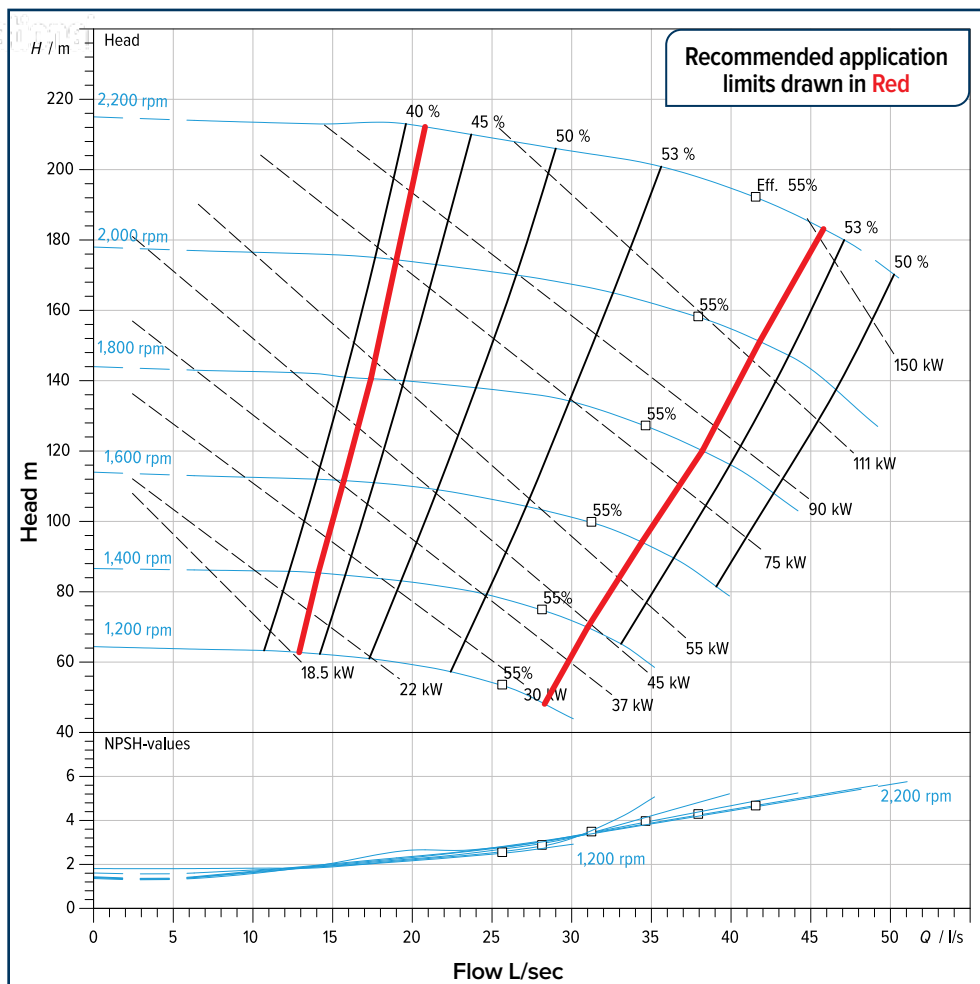
## TF40-200 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	100mm ANSI Flanged
Discharge	75mm ANSI Flanged
Impeller Design	498mm Enclosed
Solids Handling	17.5mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2200 rpm

### PUMP PERFORMANCE

Qmax	50 L/sec
Hmax	220m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	150mm Flanged HD Gal
Discharge Manifold	100mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QB6.7
Caterpillar Model	C7.1 ACERT

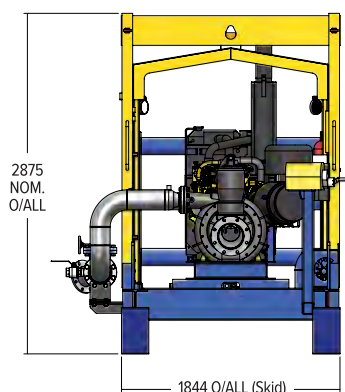
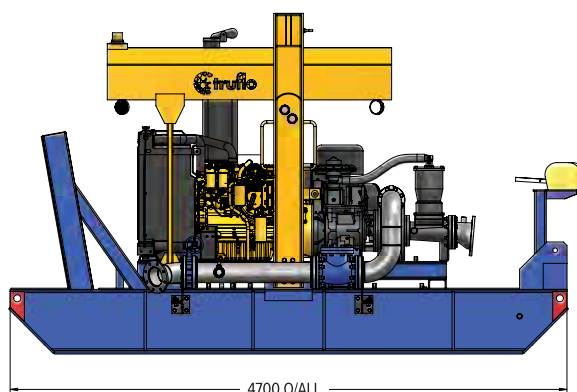
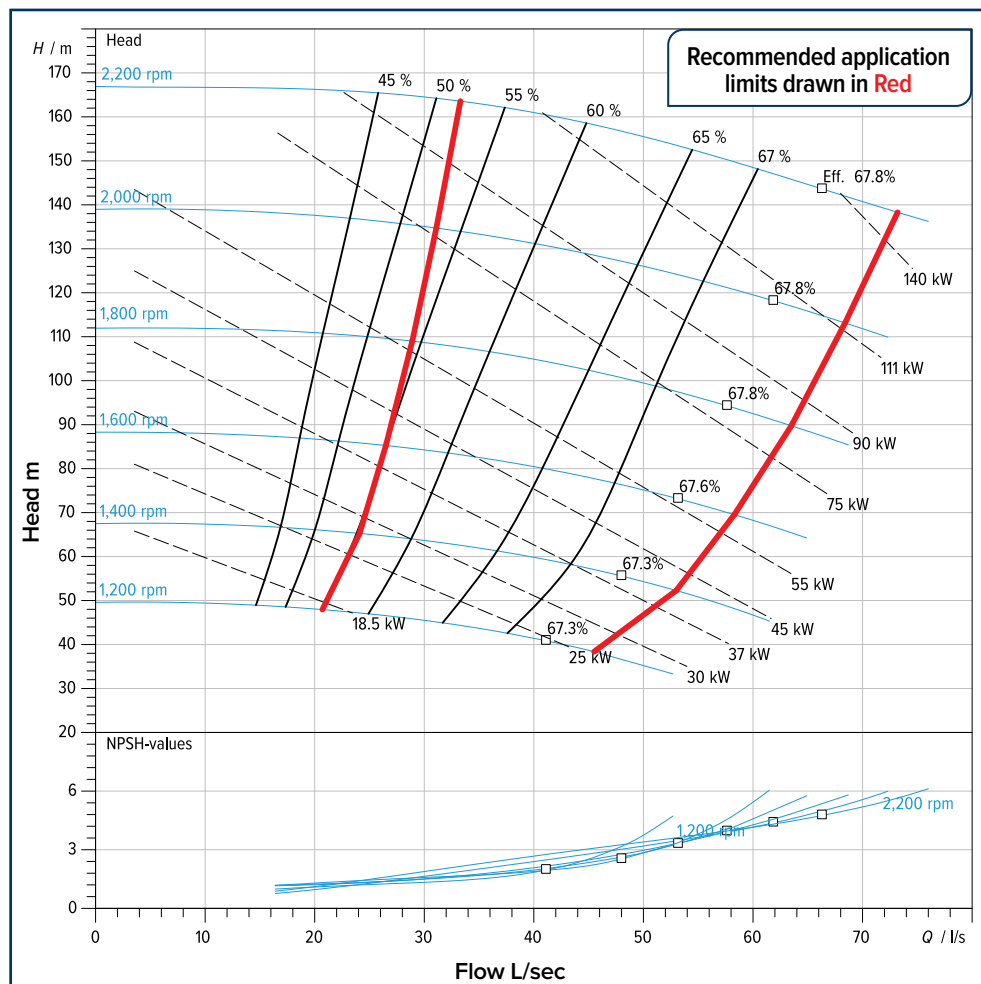


# TF60-150

## DATASHEET

- Section a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



Suction	150mm ANSI Flanged
Discharge	75mm ANSI Flanged
Impeller Design	444.5mm Enclosed
Solids Handling	18.75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2200 rpm

Q <sub>max</sub>	70 L/sec
H <sub>max</sub>	195m

<b>Vacuum Pump Type</b>	Diaphragm
<b>Nominal Air Capacity</b>	50 cfm
<b>Max Vacuum</b>	0.9 bar
<b>Drives</b>	Belt

Pump Casing	Ductile Cast Iron <i><b>with option of</b></i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i><b>with option of</b></i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

<b>Base Type</b>	B Series
<b>Dry Weight*</b>	5600kg
<b>Fuel Capacity</b>	1500 Litres
<b>Suction Manifold</b>	150mm Flanged HD Gal
<b>Discharge Manifold</b>	100mm Flanged HD Gal
<b>Nominal Dimension</b>	4700 x 1844 x 2875mm

Cummins Model	QSB6.7
Caterpillar Model	C7.1 ACERT

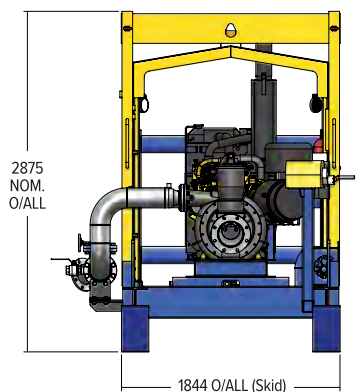
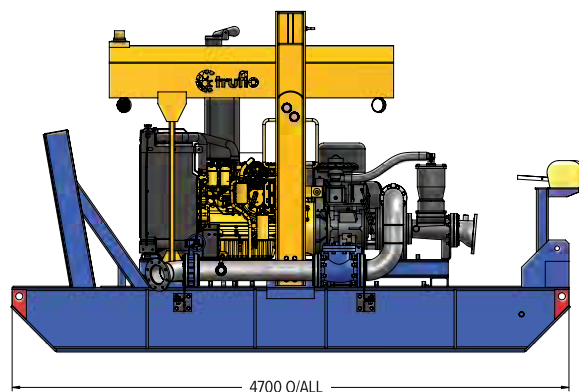
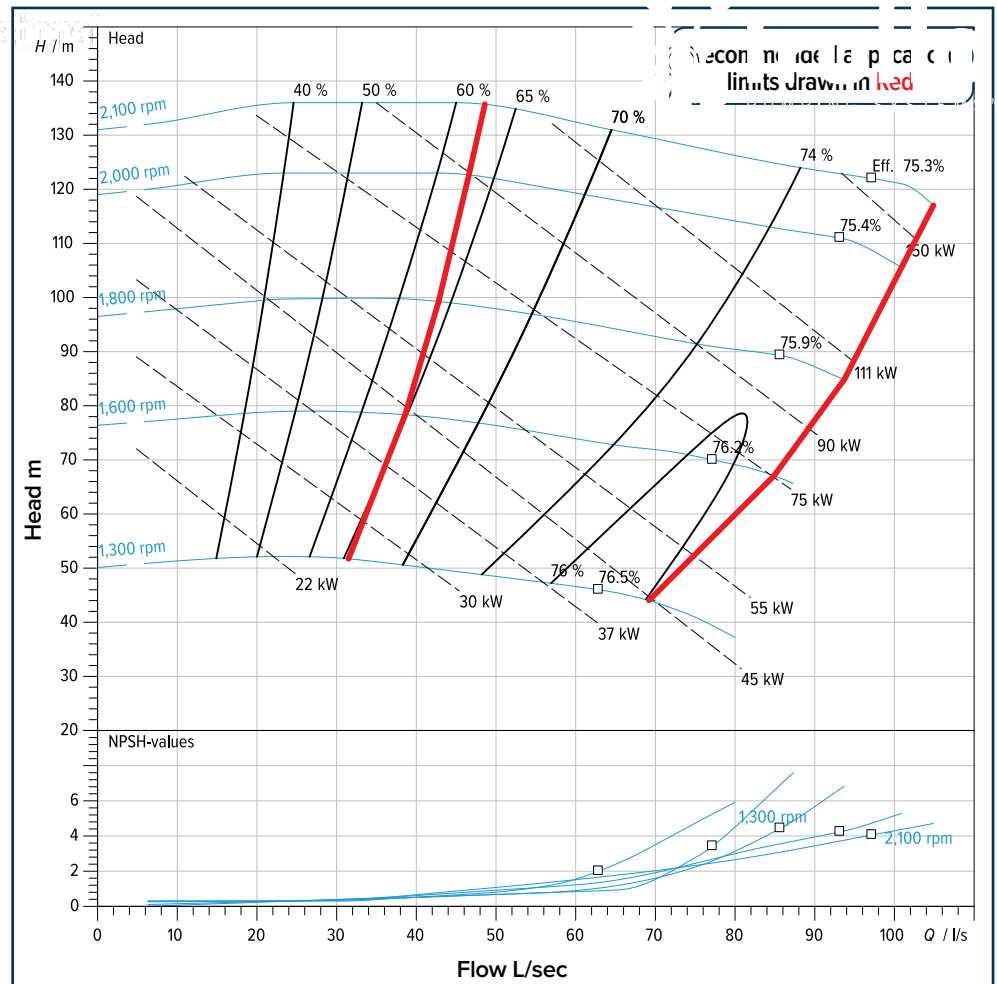
## TF80-120 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	150mm ANSI Flanged
Discharge	100mm ANSI Flanged
Impeller Design	415mm Enclosed
Solids Handling	16mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1300 rpm   Max 2100 rpm

### PUMP PERFORMANCE

Qmax	100 L/sec
Hmax	130m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	200mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSB6.7
Caterpillar Model	C7.1 ACERT



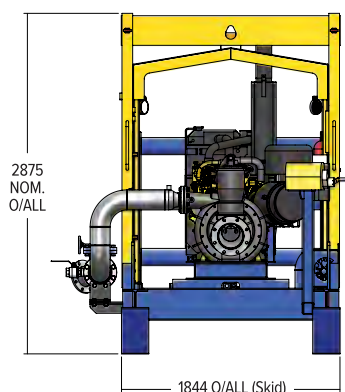
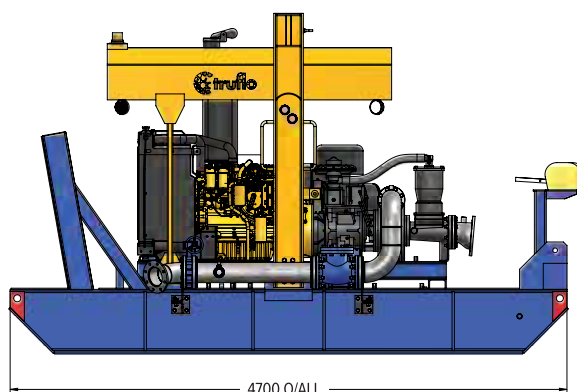
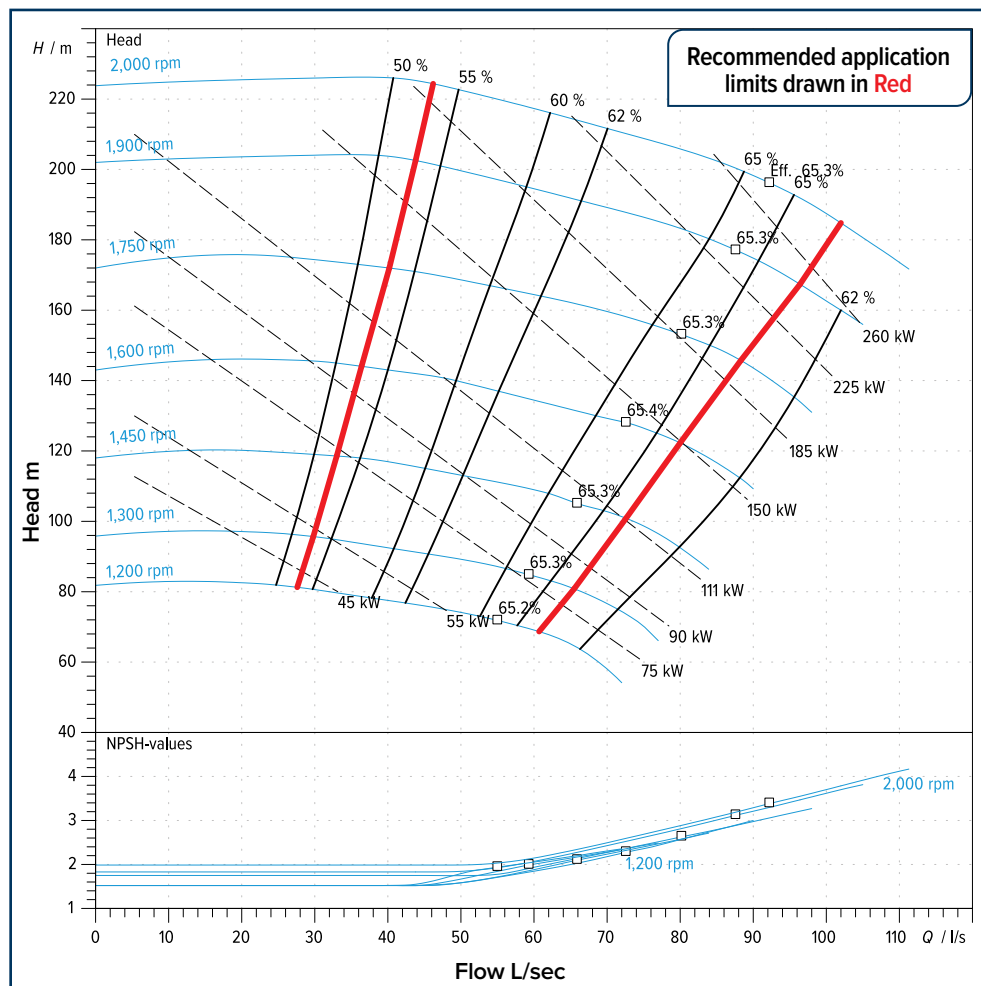
## TF80-180 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	150mm ANSI Flanged
Discharge	100mm ANSI Flanged
Impeller Design	558mm Enclosed
Solids Handling	25mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	110 L/sec
Hmax	225m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	200mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSL9, QSX15
Caterpillar Model	C9.3B, C13 ACERT

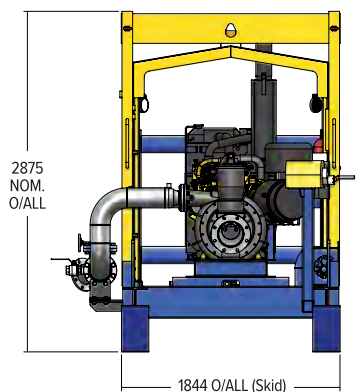
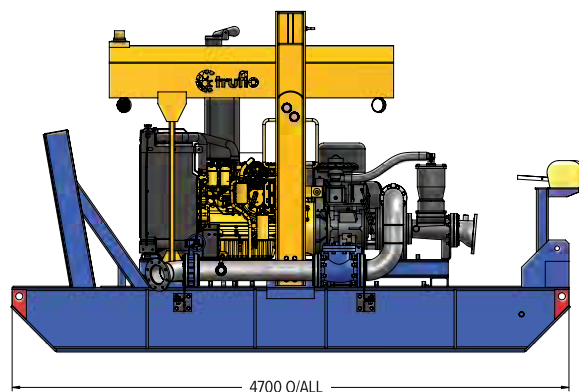
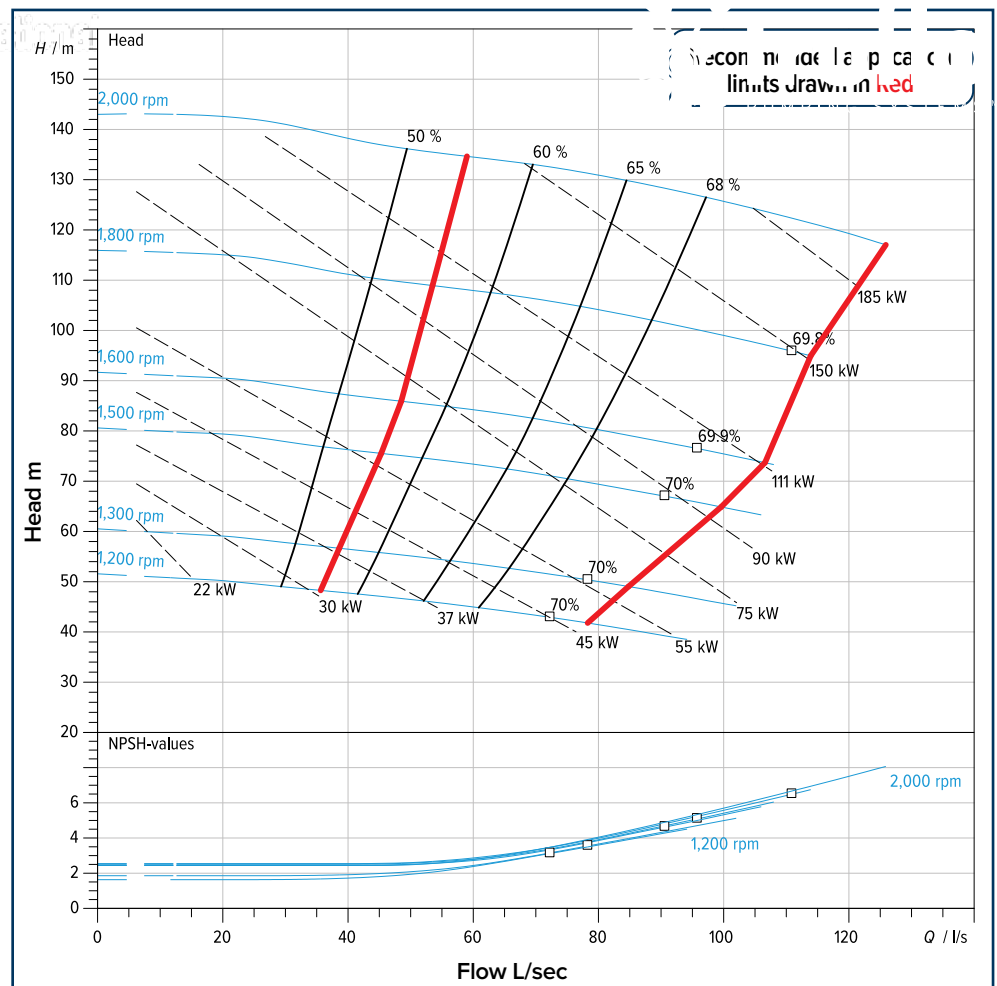
## TF100-100 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	150mm ANSI Flanged
Discharge	100mm ANSI Flanged
Impeller Design	444.5mm Enclosed
Solids Handling	75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	110 L/sec
Hmax	135m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	200mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSB6.7
Caterpillar Model	C7.1 ACERT



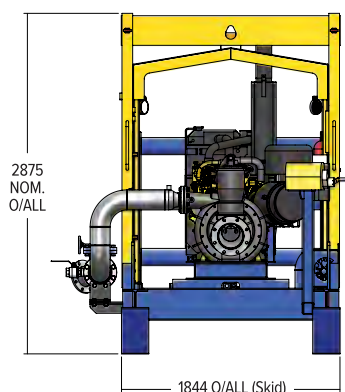
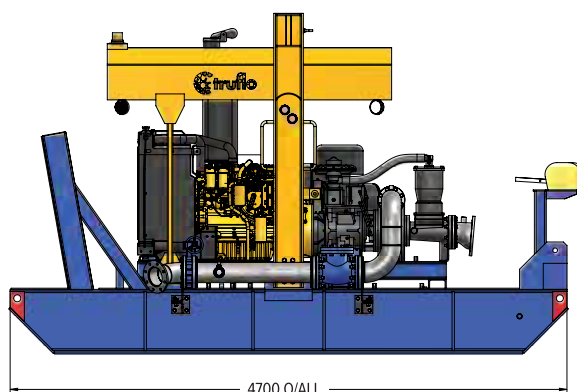
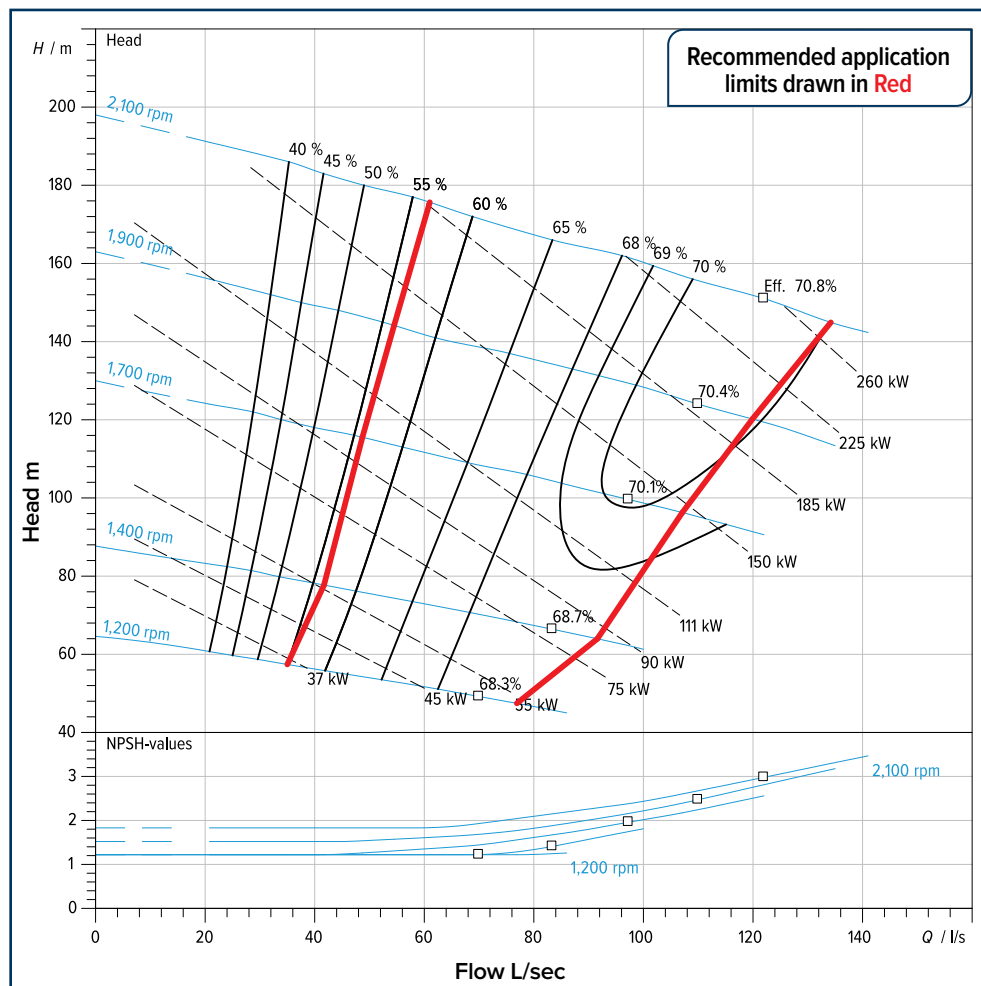
## TF100-150 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	200mm ANSI Flanged
Discharge	100mm ANSI Flanged
Impeller Design	495mm Enclosed
Solids Handling	50mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2100 rpm

### PUMP PERFORMANCE

Qmax	135 L/sec
Hmax	200m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	200mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSL9
Caterpillar Model	C9.3B

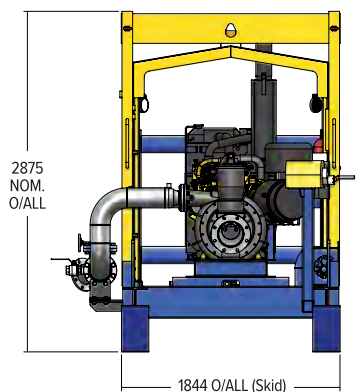
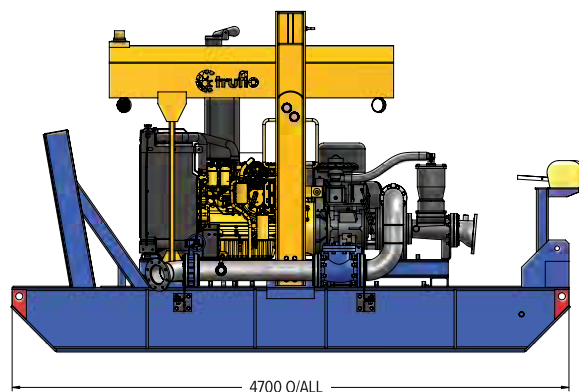
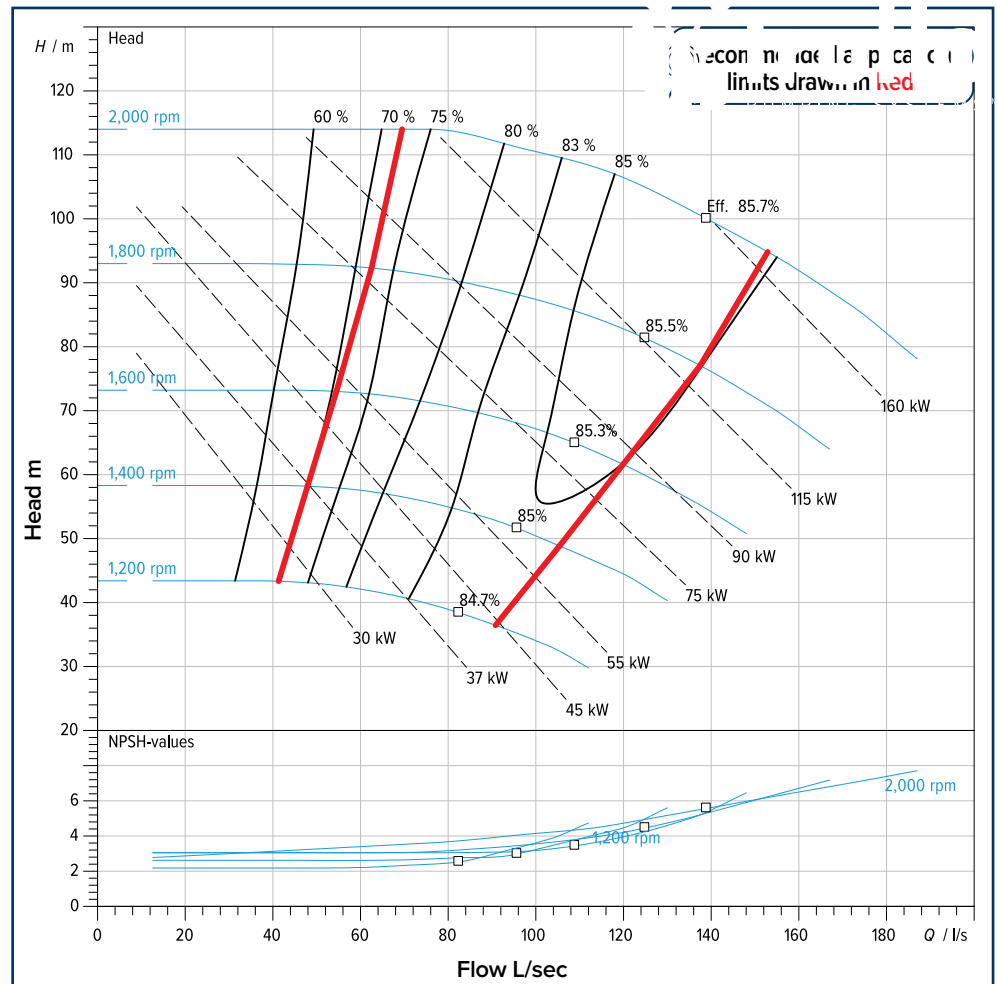
## TF140-100 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	200mm ANSI Flanged
Discharge	125mm ANSI Flanged
Impeller Design	416mm Enclosed
Solids Handling	19mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	180 L/sec
Hmax	110m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	200mm Flanged HD Gal
Discharge Manifold	150mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSB6.7
Caterpillar Model	C7.1 ACERT



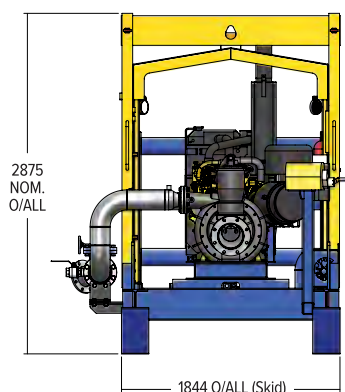
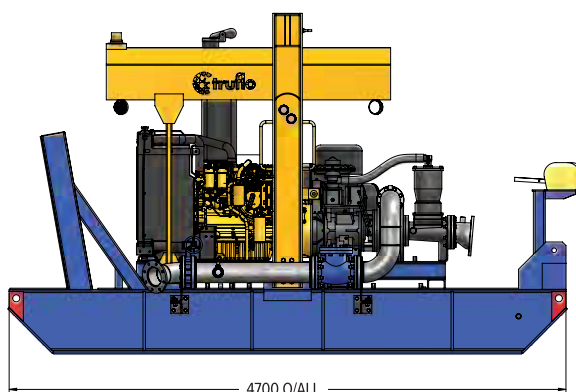
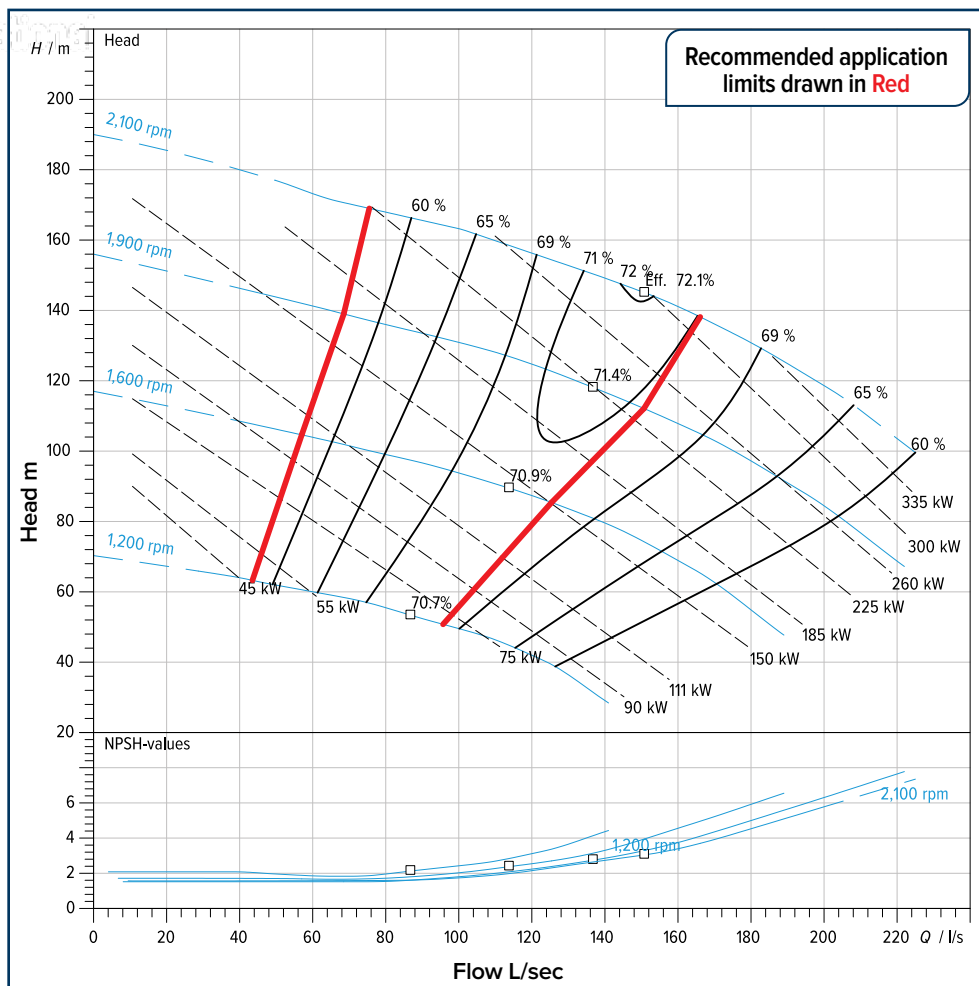
## TF150-140 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	200mm ANSI Flanged
Discharge	150mm ANSI Flanged
Impeller Design	495mm Enclosed
Solids Handling	50mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2100 rpm

### PUMP PERFORMANCE

Qmax	200 L/sec
Hmax	180m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	250mm Flanged HD Gal
Discharge Manifold	200mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSM11
Caterpillar Model	C13 ACERT

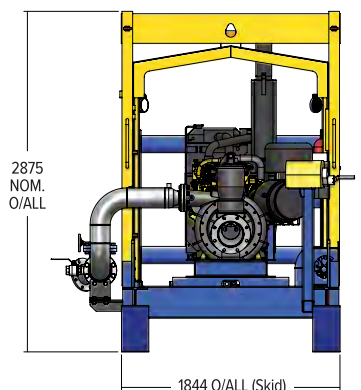
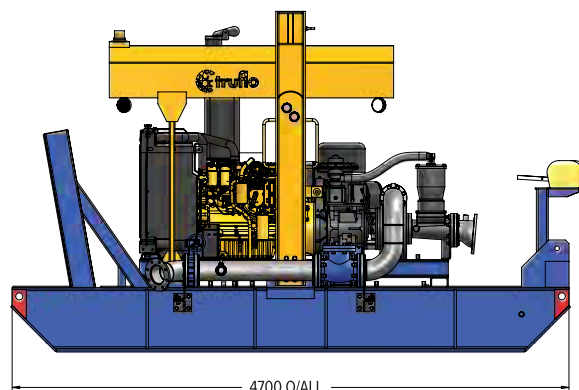
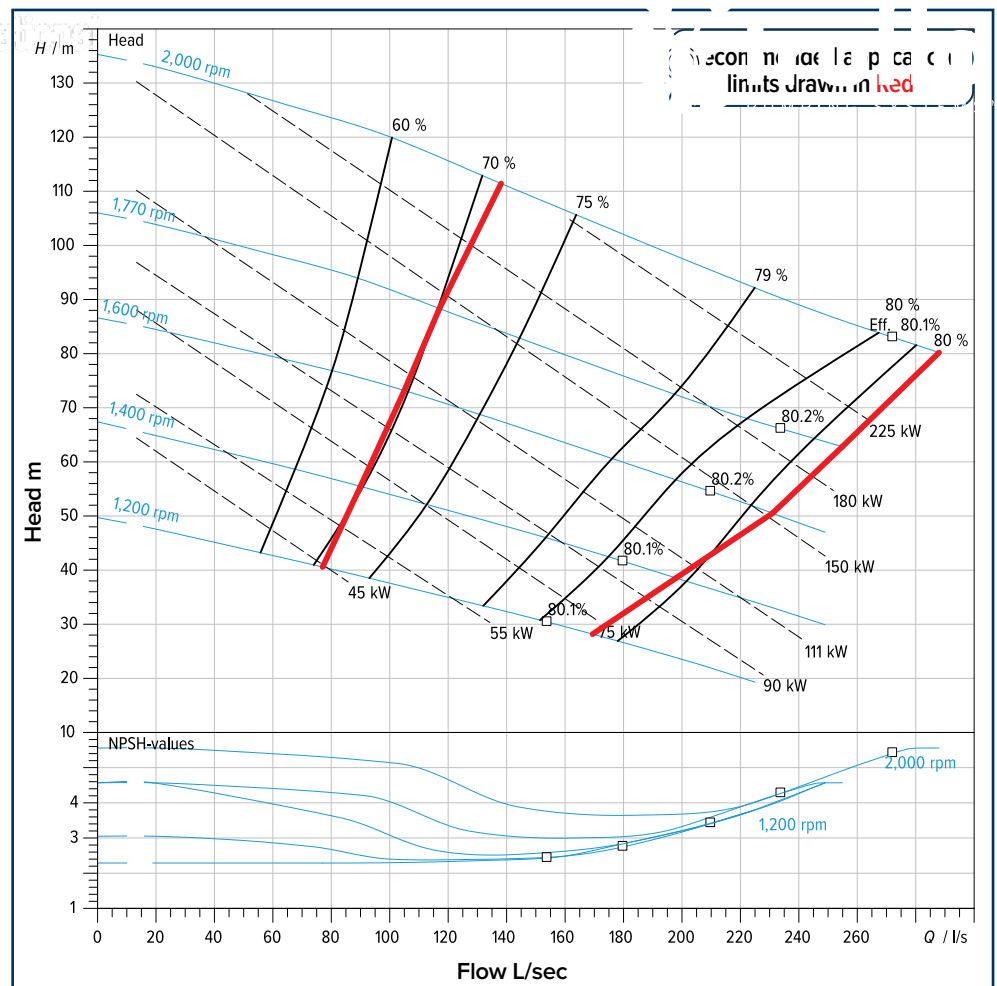
## TF200-100 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base
- Upgrade to a C Series skid

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	250mm ANSI Flanged
Discharge	150mm ANSI Flanged
Impeller Design	444.5mm Enclosed
Solids Handling	88mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 2000 rpm

### PUMP PERFORMANCE

Qmax	250 L/sec
Hmax	138m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	250mm Flanged HD Gal
Discharge Manifold	200mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSM11
Caterpillar Model	C11 ACERT



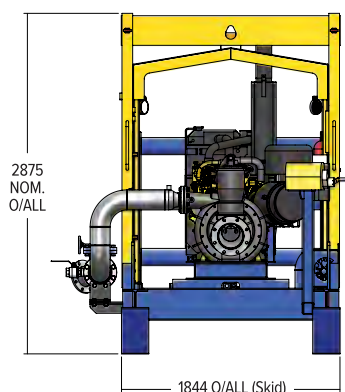
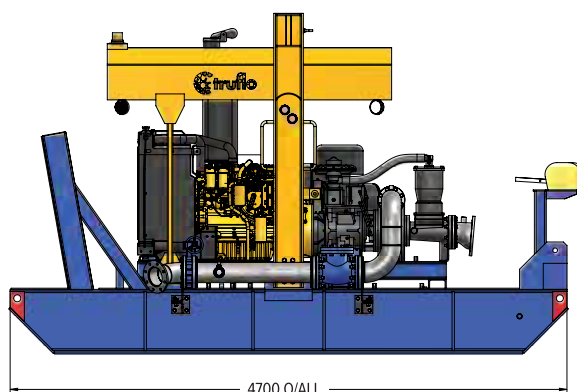
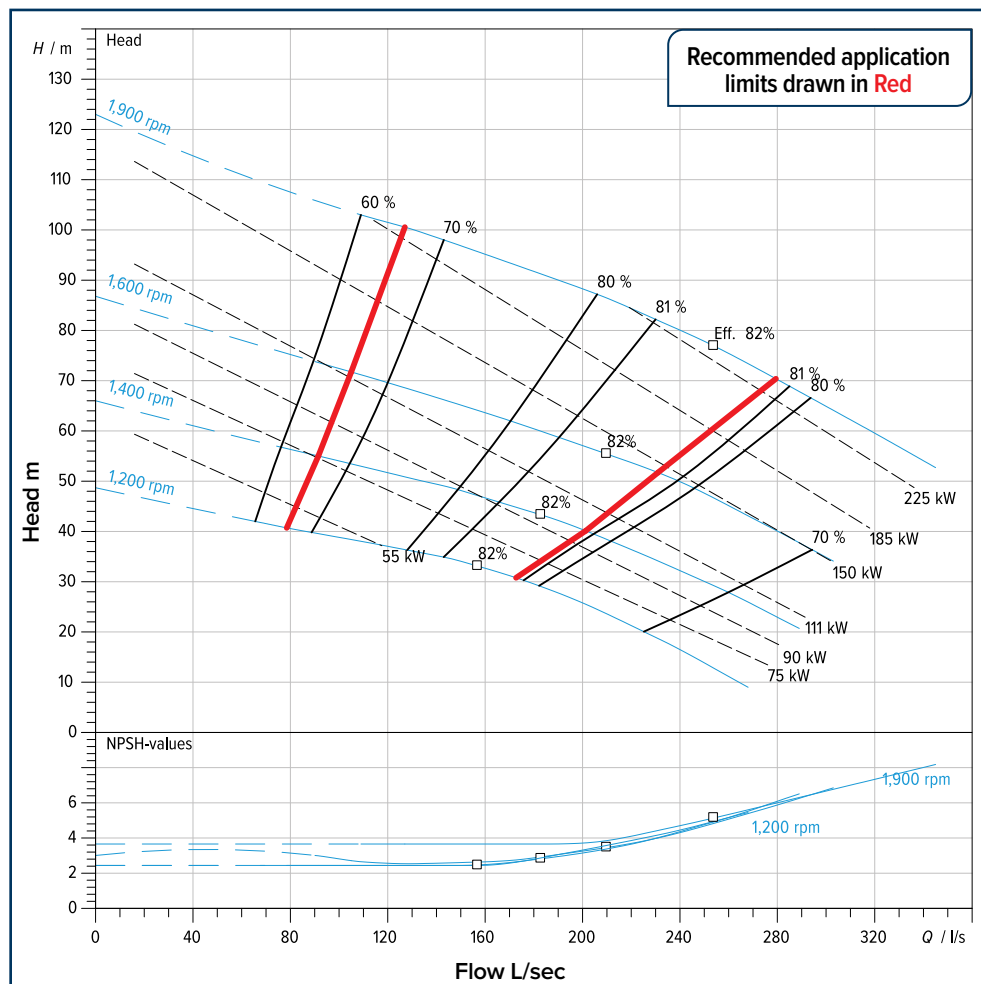
## TF250-70 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base
- Upgrade to a C Series skid

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	250mm ANSI Flanged
Discharge	200mm ANSI Flanged
Impeller Design	444.5mm Enclosed
Solids Handling	85mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 1900 rpm

### PUMP PERFORMANCE

Qmax	300 L/sec
Hmax	100m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	300mm Flanged HD Gal
Discharge Manifold	200mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSM11
Caterpillar Model	C11 ACERT

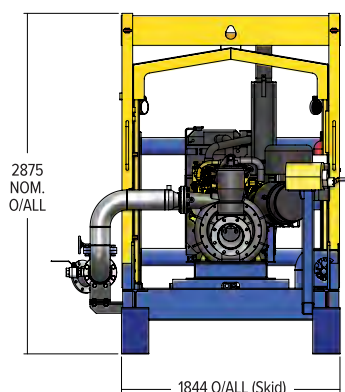
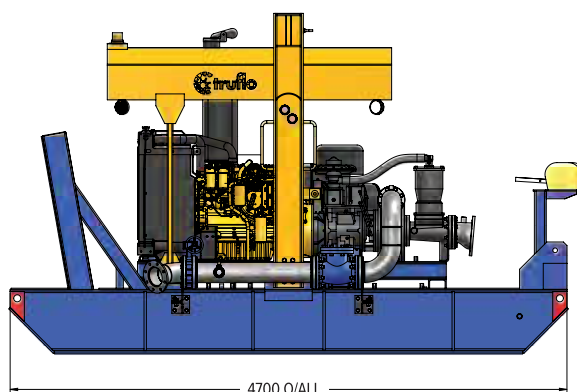
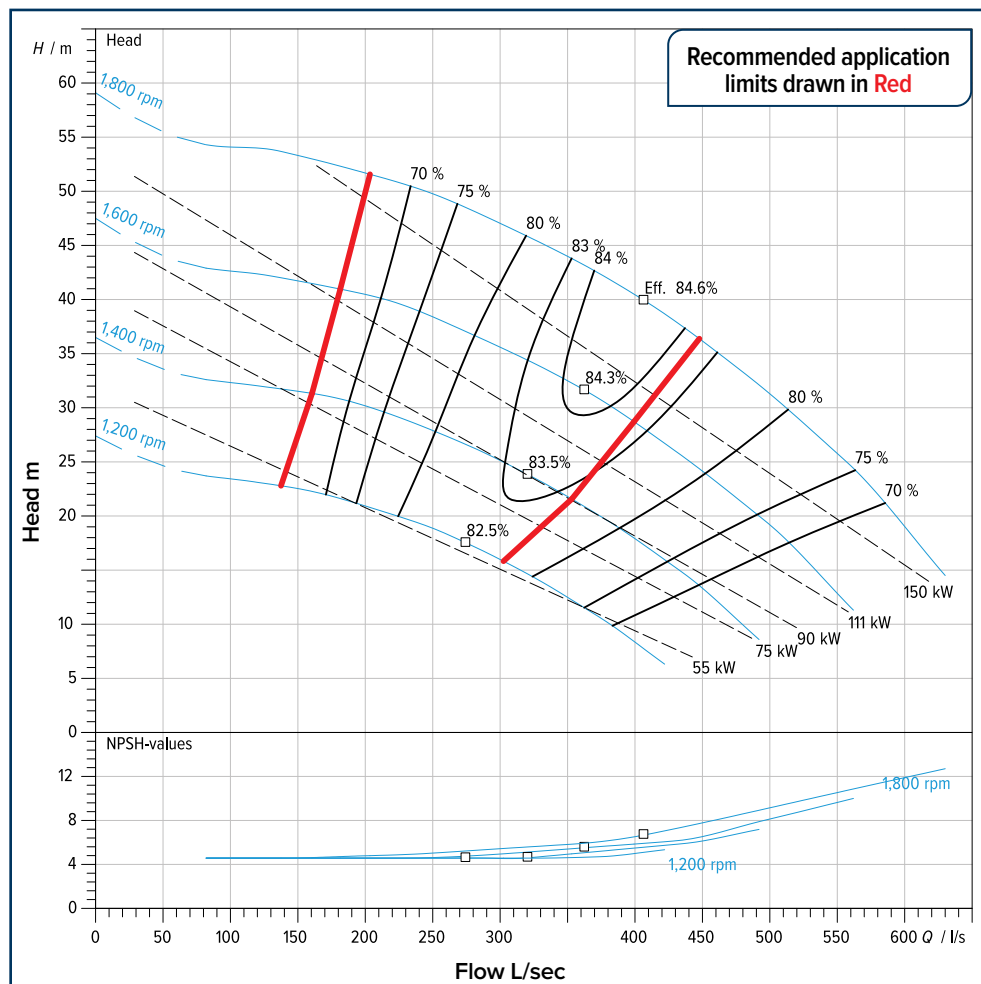
## TF400-40 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	350mm ANSI Flanged
Discharge	300mm ANSI Flanged
Impeller Design	356mm Enclosed
Solids Handling	75mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 1800 rpm

### PUMP PERFORMANCE

Qmax	520 L/sec
Hmax	55m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	400mm Flanged HD Gal
Discharge Manifold	350mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSL9
Caterpillar Model	C9.3B



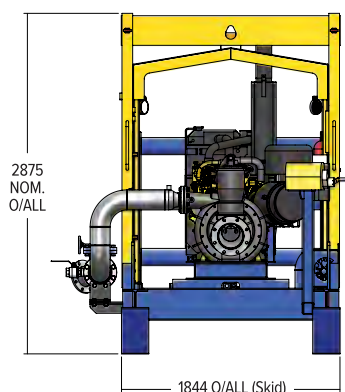
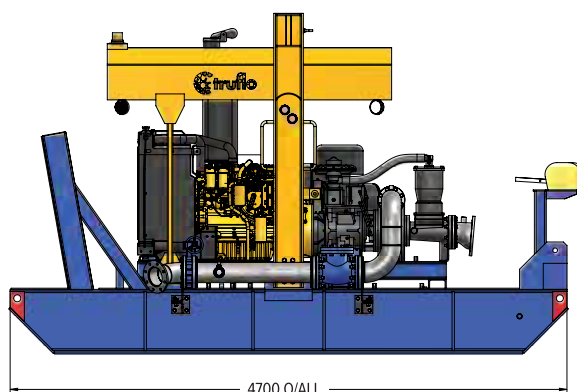
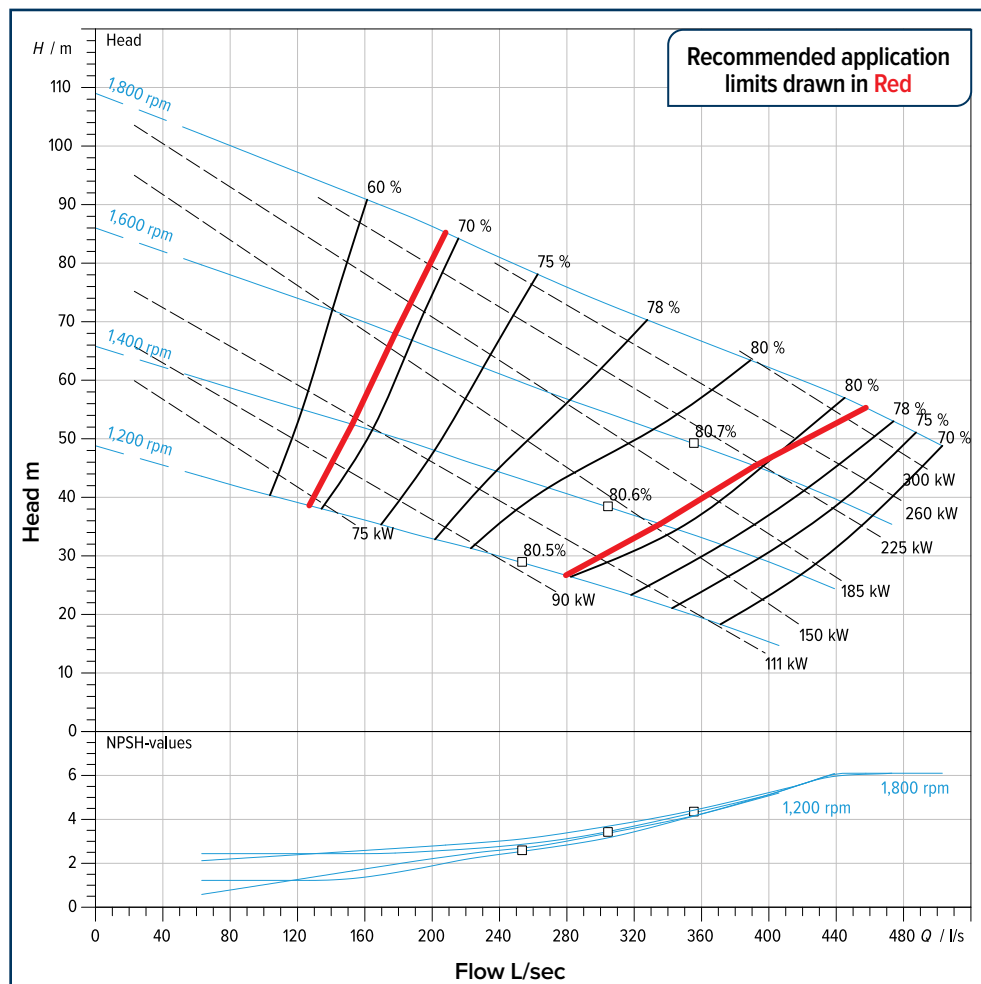
## TF400-60 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	300mm ANSI Flanged
Discharge	250mm ANSI Flanged
Impeller Design	452mm Enclosed
Solids Handling	86mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 1800 rpm

### PUMP PERFORMANCE

Qmax	480 L/sec
Hmax	100m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	B Series
Dry Weight*	5600kg
Fuel Capacity	1500 Litres
Suction Manifold	400mm Flanged HD Gal
Discharge Manifold	350mm Flanged HD Gal
Nominal Dimension	4700 x 1844 x 2875mm

### RECOMMENDED ENGINE

Cummins Model	QSM11
Caterpillar Model	C13 ACERT





**BUILT TO  
PERFORM**



# TF Vac-assisted C Series





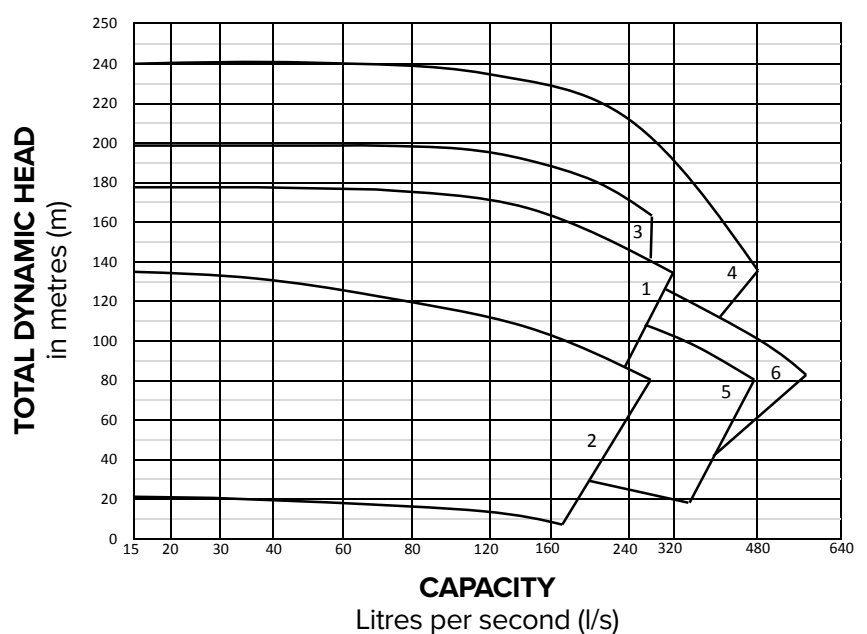
# C Series

Incorporating all the features that have made these Vac-assist C Series pumps the first choice for so many mining companies around the globe.

The Vac-assist C Series denotes the major mining pumps in our range most widely used by the larger mining companies who demand extremely reliable high performance pumping.

## MODELS

1. C Series TF 50-150
2. C Series TF250-200
3. C Series TF 350-120
4. C Series TF 350-180





# TF150-150 Datasheet

## Vac-assisted dewatering pumpsets



Truflo Pumps' Vac-assisted Dewatering Pumpsets have established an enviable reputation as the market leader in the design, development and manufacture of high performing dewatering and water transfer equipment. Our pumpsets are developed on the premise of providing the very best in dependability, efficiencies, and value for money.

This equipment is used extensively throughout the mining, quarrying and other heavy duty industries together with major rental and dewatering contractors — Truflo Pumps are renowned for their solids handling capacity and outstanding operation efficiencies.

A major strength is that Truflo Pumps manufactures their own pump parts right here in Australia, directly controlling the exacting quality and OEM parts supply that customer's have come to expect. We work with you to build pumps to suit your specific application or challenge.



### Standard Pumpset Features

- Australian-made and Australian-owned
- Electronic pump control and alert system
- Superior solids handling capabilities
- Operates in snore conditions
- Standard pumpsets configurable to suit inlet and outlet positioning
- Vac-assisted self-priming
- Robust engine canopy with central lift point
- Inbuilt extreme duty positioning "push bar" on skid configuration
- 24-hour runtime (dependent on final engine choice and pumpset duty)
- Ease of maintenance
- Full set of industry standard safety and operational signage applied to equipment
- Comprehensive installation, operations and spare parts manual linked to machine serial number
- OEM parts supplier for all the pumpset range
- Superior nation-wide customer service and support linked to equipment serial number.

### Standard Supply Offerings

#### Truflo PumpMaster Control

- Full engine protection
- Full pump protection
- Suction and pressure transducers
- Loss of flow switch
- Pump temperature protection
- Remote Start ready
- Telemetry ready

Built to Australian standards and robust mining industry expectations

50cfm vacuum diaphragm pump

Powered by Caterpillar or Cummins engines

Truflo Mining Series Wet-end with high grade duplex impeller

Marine grade 2-pack paint

Baffled fuel tank base

Bisalloy replaceable wear plates

Fitted non-return valve on pump discharge

Isolation valve

Purpose built exhaust system heat shielding

OEM genuine wiring harness

Battery and Start Isolation

Vented steel battery box

350 amp jump start receptacle

Mechanical fuel gauge

External Emergency Stop button

Depressurised radiator cap

50mm Splash Fill fuel inlet

Engine, oil and coolant drain

Standard pumpset configuration customisable on request.

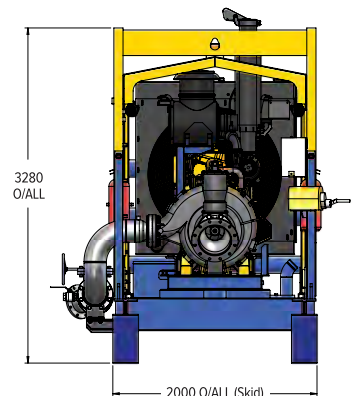
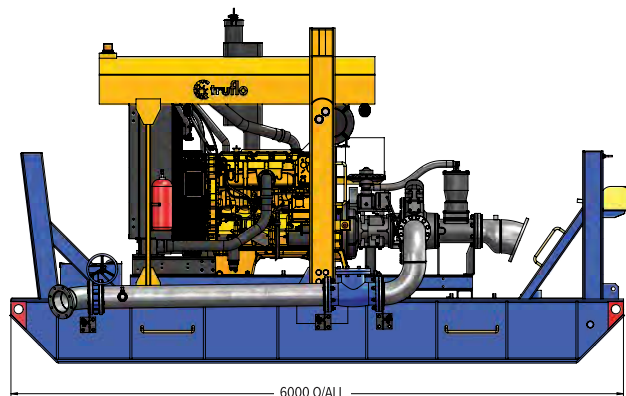
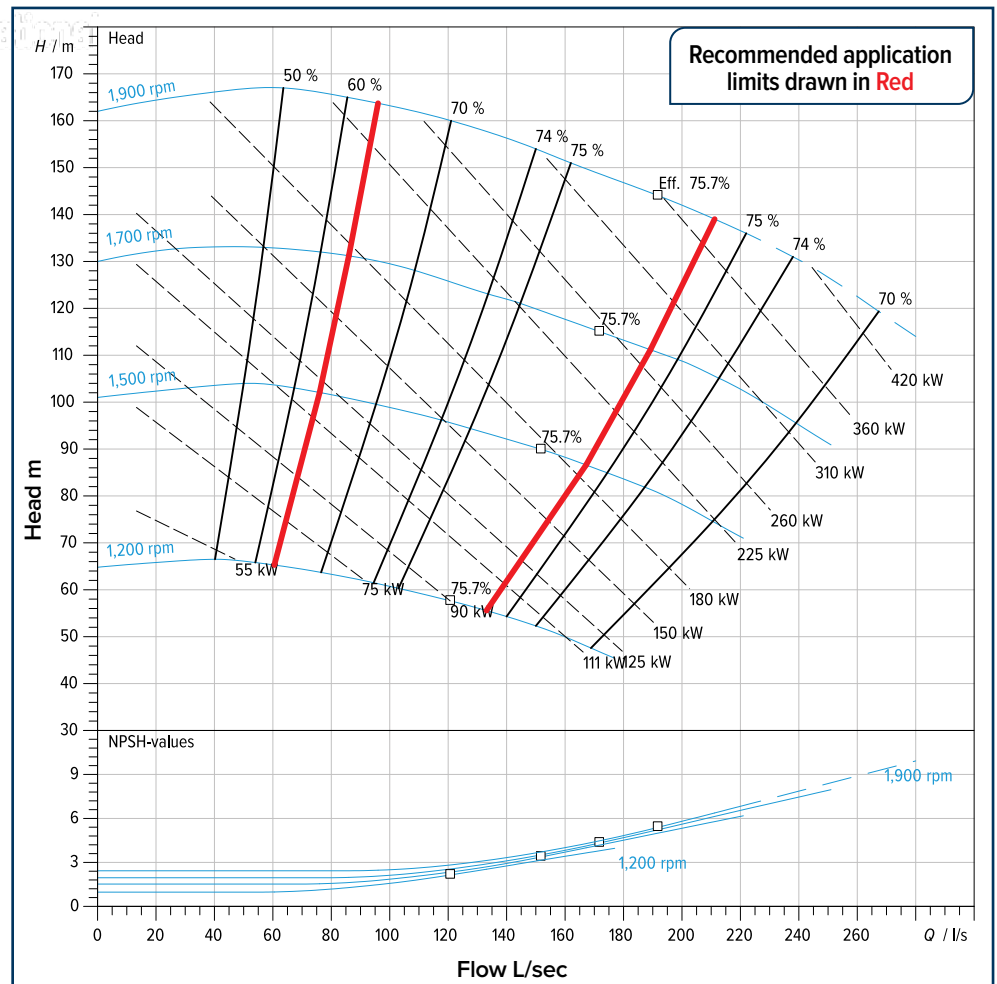
## TF150-150 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	200mm ANSI Flanged
Discharge	150mm ANSI Flanged
Impeller Design	508mm Enclosed
Solids Handling	50mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 1900 rpm

### PUMP PERFORMANCE

Qmax	240 L/sec
Hmax	160m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	C Series
Dry Weight*	10500kg
Fuel Capacity	3000 Litres
Suction Manifold	250mm Flanged HD Gal
Discharge Manifold	200mm Flanged HD Gal
Nominal Dimension	6000 x 2000 x 3280mm

### RECOMMENDED ENGINE

Cummins Model	QSX15
Caterpillar Model	C15 ACERT



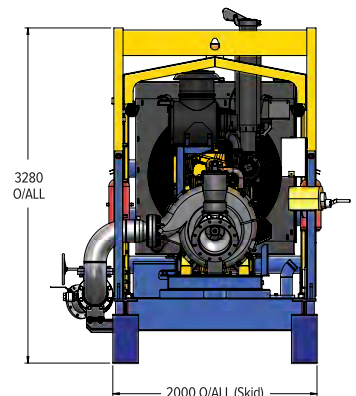
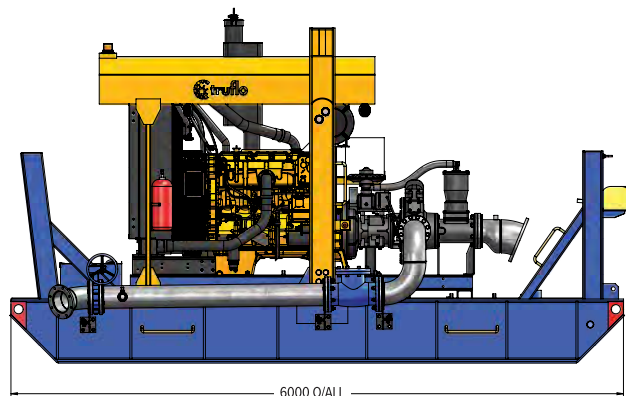
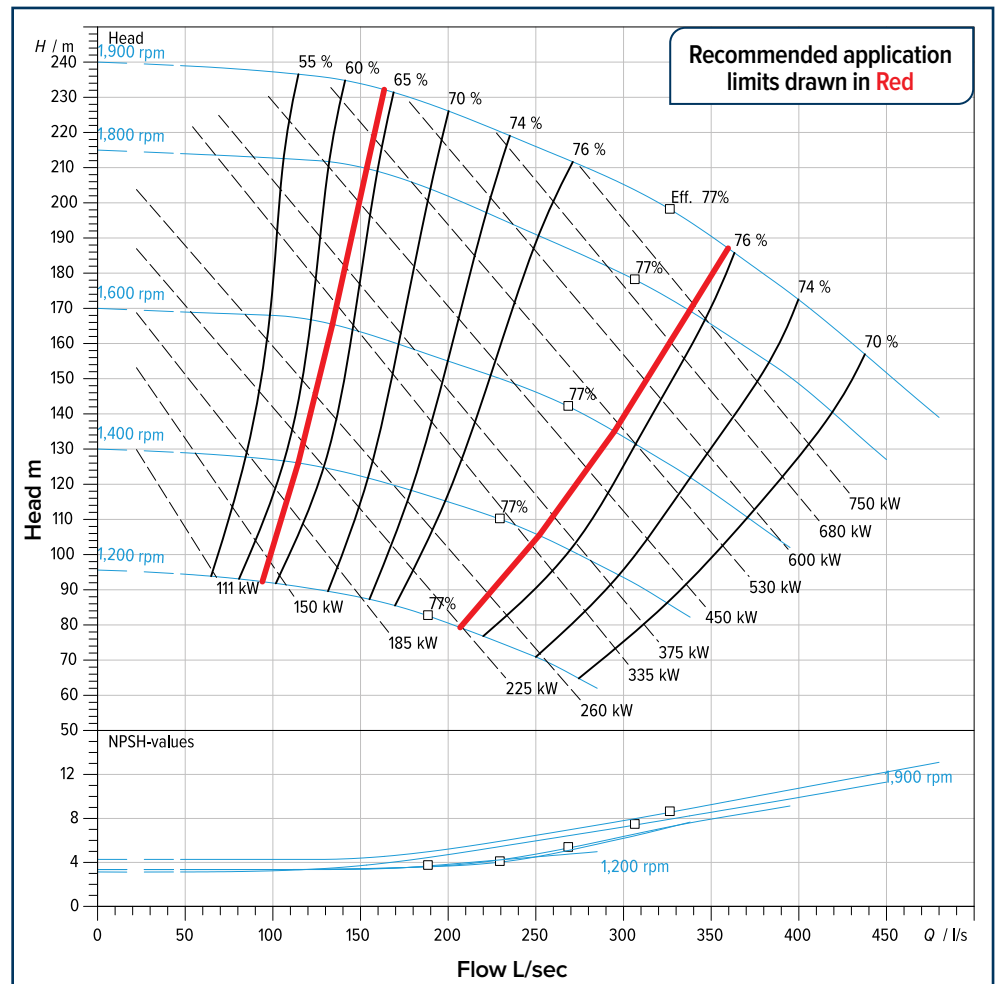
## TF250-200 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	250mm ANSI Flanged
Discharge	200mm ANSI Flanged
Impeller Design	615mm Enclosed
Solids Handling	60mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 1900 rpm

### PUMP PERFORMANCE

Qmax	450 L/sec
Hmax	240m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	C Series
Dry Weight*	10500kg
Fuel Capacity	3000 Litres
Suction Manifold	300mm Flanged HD Gal
Discharge Manifold	250mm Flanged HD Gal
Nominal Dimension	6000 x 2000 x 3280mm

### RECOMMENDED ENGINE

Cummins Model	QSK23
Caterpillar Model	C27 ACERT, C32 ACERT

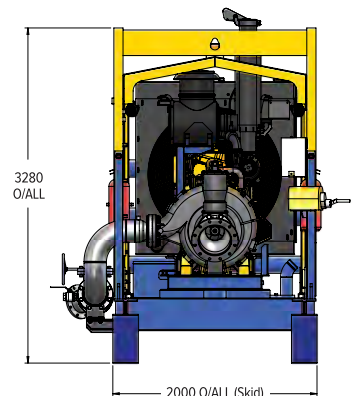
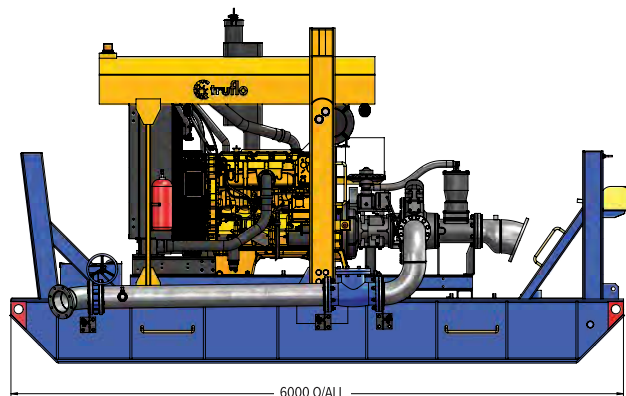
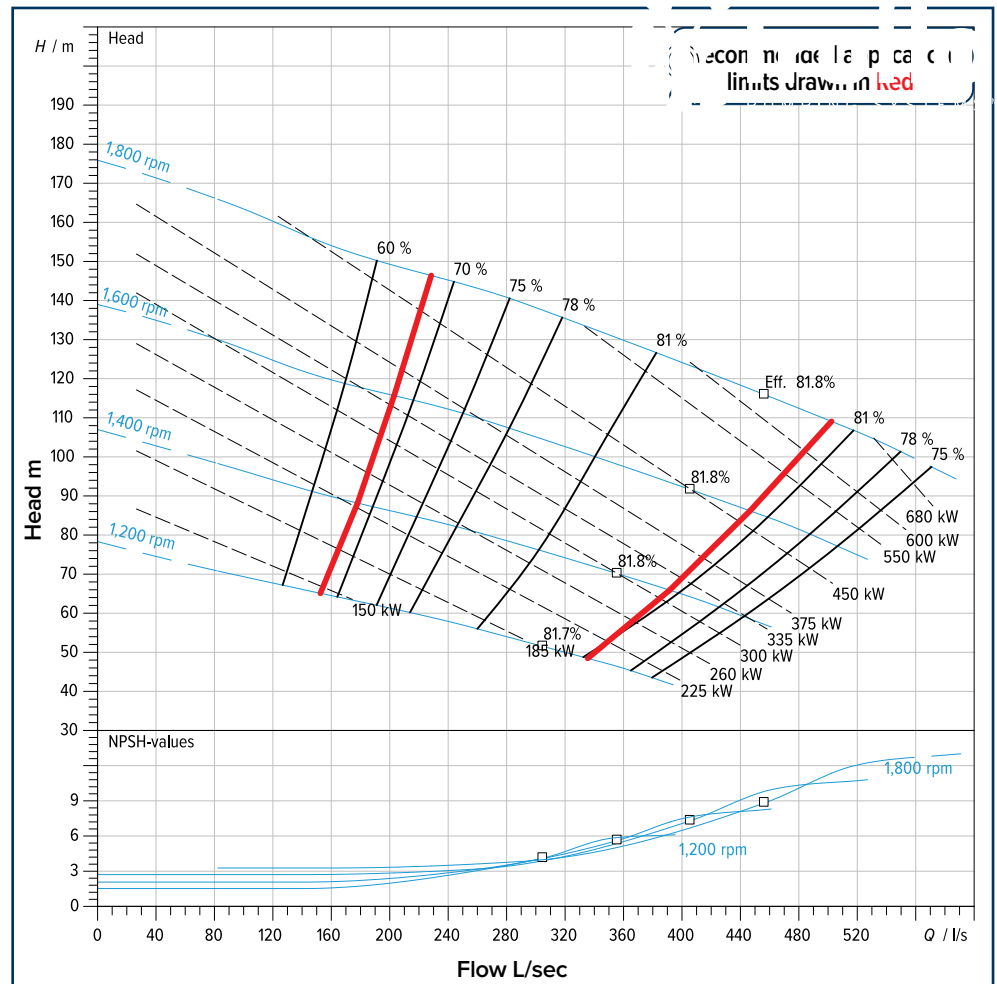
## TF350-120 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	250mm ANSI Flanged
Discharge	200mm ANSI Flanged
Impeller Design	558mm Enclosed
Solids Handling	100mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 1900 rpm

### PUMP PERFORMANCE

Qmax	575 L/sec
Hmax	145m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	C Series
Dry Weight*	10500kg
Fuel Capacity	3000 Litres
Suction Manifold	350mm Flanged HD Gal
Discharge Manifold	250mm Flanged HD Gal
Nominal Dimension	6000 x 2000 x 3280mm

### RECOMMENDED ENGINE

Cummins Model	QSX5, QSK29
Caterpillar Model	C18 ACERT, C27 ACERT, C32 ACERT



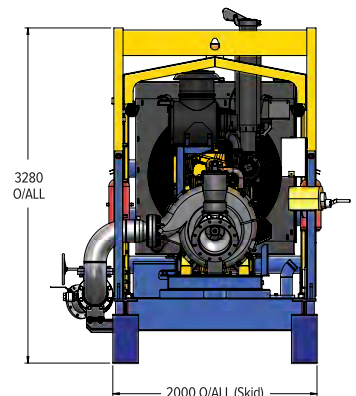
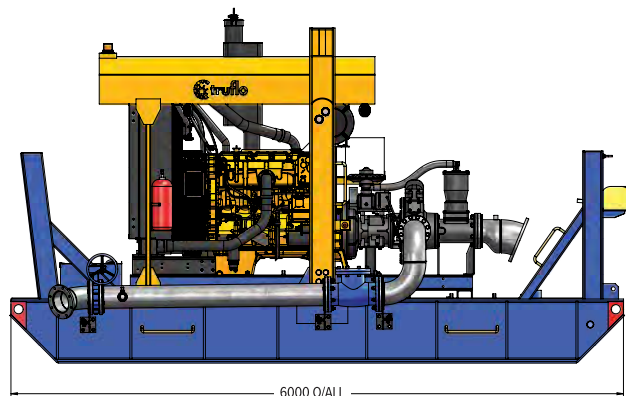
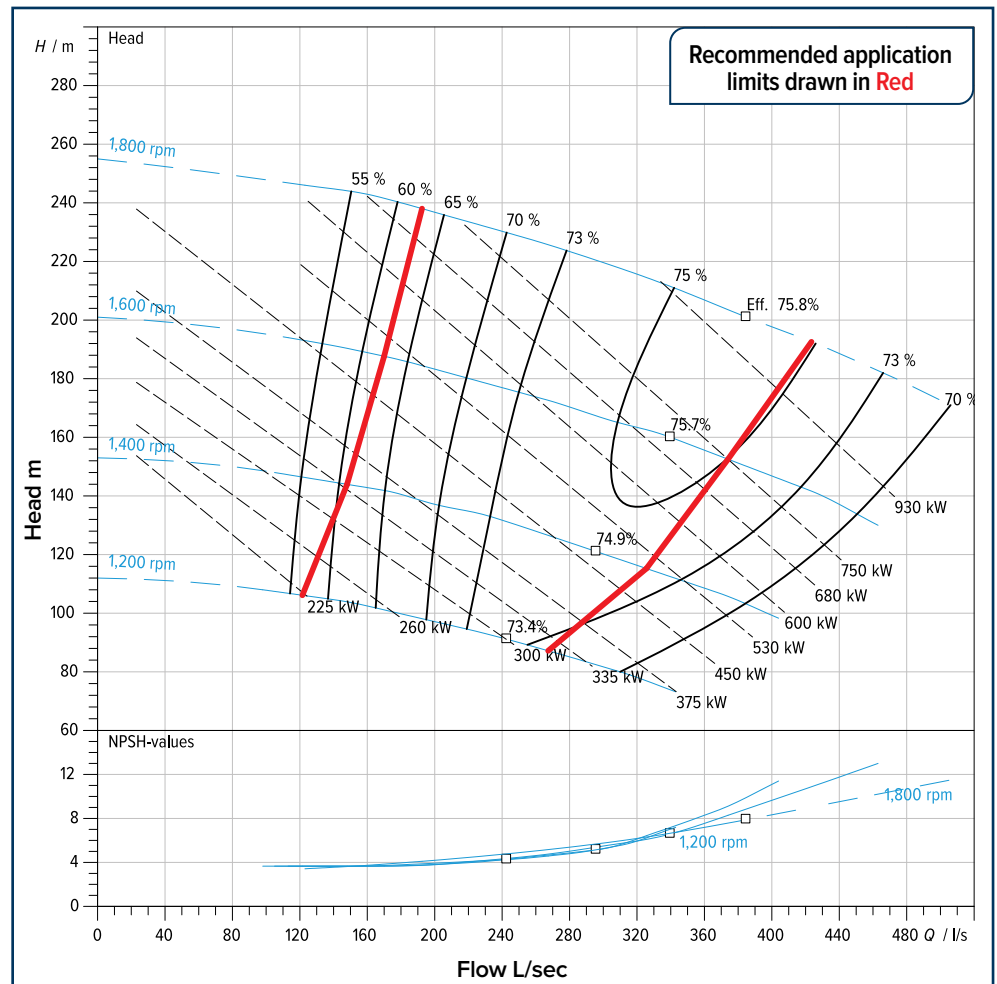
## TF350-180 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	250mm ANSI Flanged
Discharge	200mm ANSI Flanged
Impeller Design	635mm Enclosed
Solids Handling	60mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 1200 rpm   Max 1800 rpm

### PUMP PERFORMANCE

Qmax	480 L/sec
Hmax	250m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

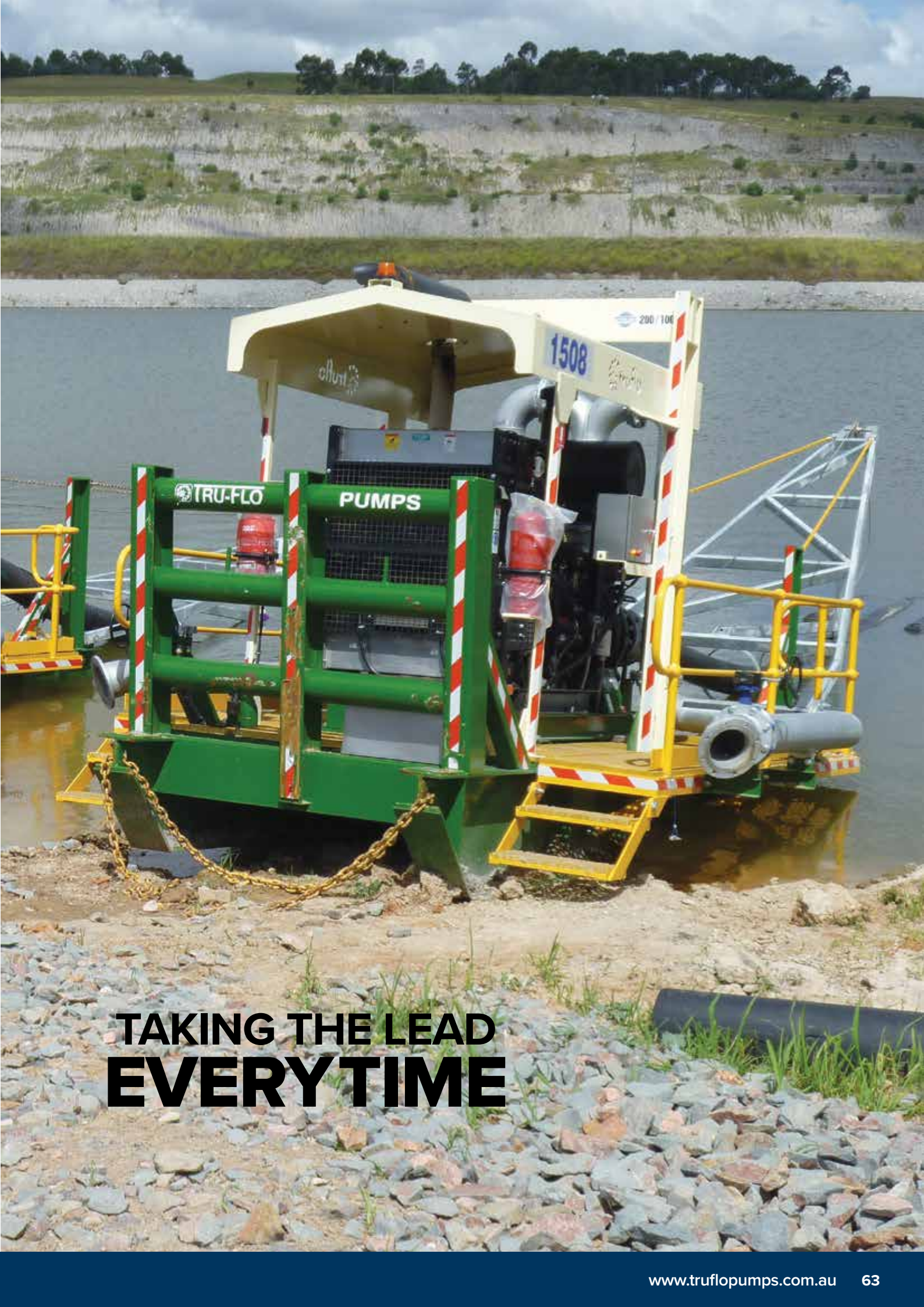
### CONSTRUCTION SPECIFICATIONS

Base Type	C Series
Dry Weight*	10500kg
Fuel Capacity	3000 Litres
Suction Manifold	350mm Flanged HD Gal
Discharge Manifold	250mm Flanged HD Gal
Nominal Dimension	6000 x 2000 x 3280mm

### RECOMMENDED ENGINE

Cummins Model	QST30
Caterpillar Model	C32 ACERT





**TAKING THE LEAD  
EVERYTIME**



# TF Vac-assisted **D Series**







# D Series

**The vac-assist 'D' Series is today's leader in extreme pumping performance!**

Truflo Pumps' elite D Series pumps are custom built for the most demanding dewatering applications boasting duties up to 500 litres per second at 180 metre head.

Including all the same features that have made Truflo Pumps' are the number one choice for so many mining companies around the globe, D Series is the ultimate high flow solution.



# TF450-100 Datasheet

## Vac-assisted dewatering pumpsets



Truflo Pumps' Vac-assisted Dewatering Pumpsets have established an enviable reputation as the market leader in the design, development and manufacture of high performing dewatering and water transfer equipment. Our pumpsets are developed on the premise of providing the very best in dependability, efficiencies, and value for money.

This equipment is used extensively throughout the mining, quarrying and other heavy duty industries together with major rental and dewatering contractors — Truflo Pumps are renowned for their solids handling capacity and outstanding operation efficiencies.

A major strength is that Truflo Pumps manufactures their own pump parts right here in Australia, directly controlling the exacting quality and OEM parts supply that customer's have come to expect. We work with you to build pumps to suit your specific application or challenge.



### Standard Pumpset Features

- Australian-made and Australian-owned
- Electronic pump control and alert system
- Superior solids handling capabilities
- Operates in snore conditions
- Standard pumpsets configurable to suit inlet and outlet positioning
- Vac-assisted self-priming
- Robust engine canopy with central lift point
- Inbuilt extreme duty positioning "push bar" on skid configuration
- 24-hour runtime (dependent on final engine choice and pumpset duty)
- Ease of maintenance
- Full set of industry standard safety and operational signage applied to equipment
- Comprehensive installation, operations and spare parts manual linked to machine serial number
- OEM parts supplier for all the pumpset range
- Superior nation-wide customer service and support linked to equipment serial number.

### Standard Supply Offerings

#### Truflo PumpMaster Control

- Full engine protection
- Full pump protection
- Suction and pressure transducers
- Loss of flow switch
- Pump temperature protection
- Remote Start ready
- Telemetry ready

Built to Australian standards and robust mining industry expectations

50cfm vacuum diaphragm pump

Powered by Caterpillar or Cummins engines

Truflo Mining Series Wet-end with high grade duplex impeller

Marine grade 2-pack paint

Baffled fuel tank base

Bisalloy replaceable wear plates

Fitted non-return valve on pump discharge

Isolation valve

Purpose built exhaust system heat shielding

OEM genuine wiring harness

Battery and Start Isolation

Vented steel battery box

350 amp jump start receptacle

Mechanical fuel gauge

External Emergency Stop button

Depressurised radiator cap

50mm Splash Fill fuel inlet

Engine, oil and coolant drain

Standard pumpset configuration customisable on request.

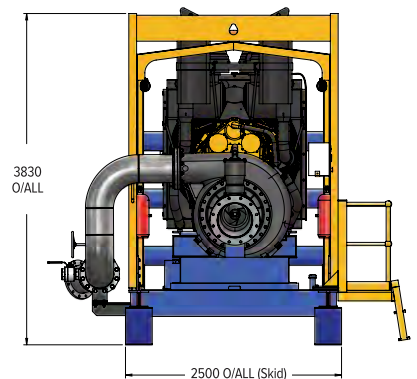
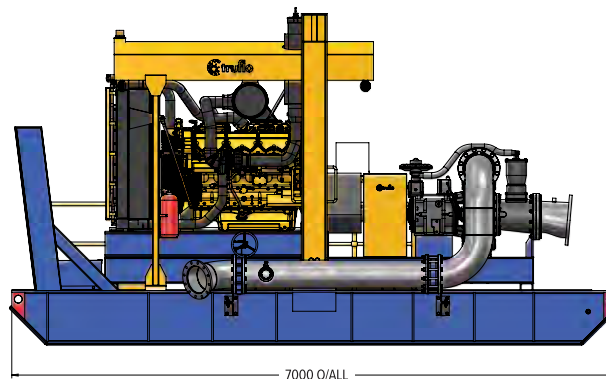
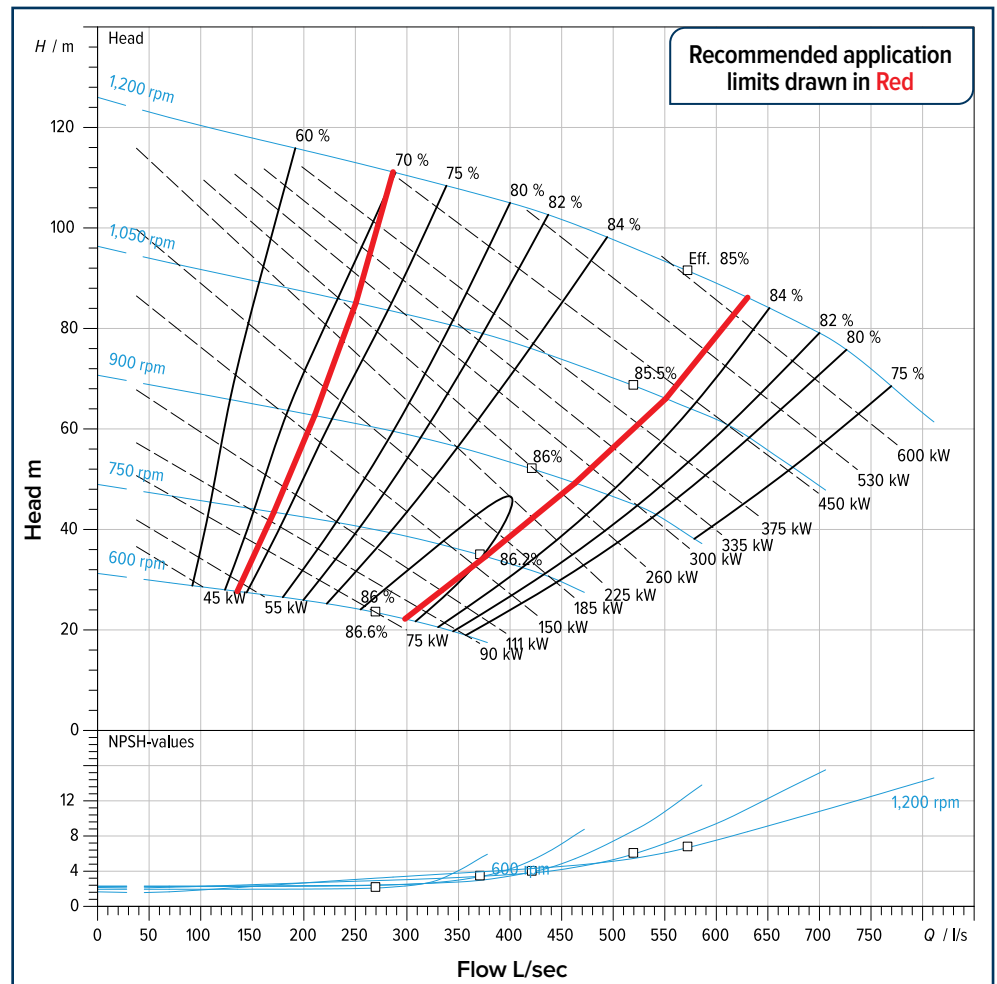
## TF450-100 DATASHEET

### Standard Options

- Suction a-frame jib & winch
- Wiggins style engine lube / coolant drain
- Wiggins style low pressure fast fuel fill
- Drag chains
- LED work lights
- Amber strobe light (LED)
- Secondary Emergency Stop
- Fire extinguisher
- Heavy duty suction hose
- Suction inlet strainer
- Titan high clearance skid
- Dual discharge
- Solar panel and trickle charger
- Boost pump ready
- Flowmeter
- Auxillary fuel inlet
- Full duplex wet-end
- Full stainless steel suction and discharge manifold
- Telemetry systems
- Auto start/stop systems
- Bunded fuel tank base

### Alternate Configurations

- Pontoon mounted
- Trailer mounted
- Sound attenuated.



### PUMP SPECIFICATIONS

Suction	350mm ANSI Flanged
Discharge	300mm ANSI Flanged
Impeller Design	711mm Enclosed
Solids Handling	80mm
Coupling	Flywheel, SAE direct flanged
Max Operating Temp	100°C
Operating Speed	Min 600 rpm   Max 1200 rpm

### PUMP PERFORMANCE

Qmax	650 L/sec
Hmax	120m

### PUMP PRIMING SYSTEM

Vacuum Pump Type	Diaphragm
Nominal Air Capacity	50 cfm
Max Vacuum	0.9 bar
Drives	Belt

### PUMP CONSTRUCTION

Pump Casing	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Impeller	CD4MCu Duplex Stainless Steel
Wear Plate / Ring	Nitronic 60 Stainless Steel
Suction Cover and Backplate	Ductile Cast Iron <i>with option of</i> CD4MCu Duplex Stainless Steel
Shaft	316 Stainless Steel
Mechanical Seal	Silicon Carbide / Tungsten Carbide
Bearings	Angular Contact / Deep Groove

### CONSTRUCTION SPECIFICATIONS

Base Type	D Series
Dry Weight*	15000kg
Fuel Capacity	3000 Litres
Suction Manifold	450mm Flanged HD Gal
Discharge Manifold	300mm Flanged HD Gal
Nominal Dimension	7000 x 2500 x 3830mm

### RECOMMENDED ENGINE

Cummins Model	QST30
Caterpillar Model	C32 ACERT



# TF Vac-assisted **Auto Prime Series**

**Silent Pack** – sound attenuated pumpsets,  
**Open Skid Frames** – efficient application in precision packages





**Truflo Pumps' to Prime Series are a pumpset series either enclosed in sound attenuated canopies or supplied as open skid pump sets.**

All models come standard with an 18 cfm reliable compressor prime system, Truflo Pumps' renowned Run Dry System, SAE close coupled and dependable Cummins or Caterpillar engines. The sound proof canopies are class leading at 58dba at 7m.

These pumpsets are quiet achievers providing reliable pumping solutions for contractors and councils alike in permanent and temporary pumping situations.

Large lockable hinged access doors ensure easy entry into canopy for maintenance personnel when required. Open skid pumpsets include a central lifting beam as standard to protect your asset from the elements.

The Open Skid Frames are assets designed for many dewatering and water transfer applications including mining, civil works, contractors and hire companies. Using many features as their bigger cousins, these smaller pumpsets are all built using the same high quality technologies.



# TF Vac-assisted **HD Series**

## DREDGING PUMPS





**varisco**  
solid pumping solutions

## The widest range of submersible dredging centrifugal pumps

The Varisco HD (Heavy Duty) Series dredging pumps are designed to pump settled slurry containing solids up to 250mm and concentrations up to 70% by weight of the liquid.

Standard sump and solids handling pumps have a problem with solids that settle. The normal intake velocity does not have enough force to pick up the

solids and pump them to a sufficient extent. Almost all the liquid is pumped, while the bulk of the solids remain at the bottom of the sump. The agitator prevents the solids from blocking the pump inlet and mixes them with the liquid, creating a slurry that can easily be handled by the pump.



# Hydraulic

## HYDRAULIC DREDGE PUMPS

- Submersible heavy duty agitator pumps. Hydraulically driven with variable RPM.

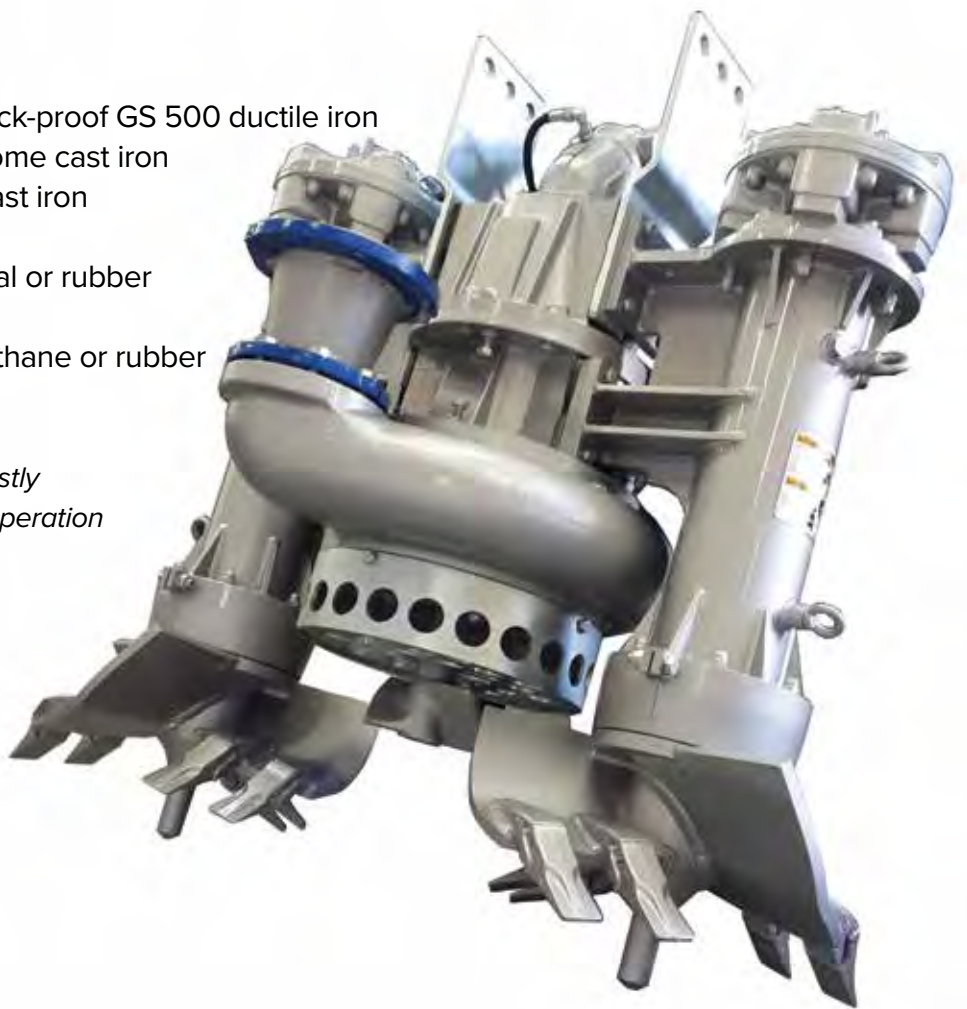
### Main features

- All pumps have standard high efficiency agitator to lift settled solids
- High abrasion resistance with high chrome wear parts
- Low rotation speed to reduce wear effect
- Able to handle up to 70% solids by weight
- Easy installation on the boom of hydraulic excavators.

### Materials

- Pumping casing in shock-proof GS 500 ductile iron
- Wear parts in high chrome cast iron
- Motor casing in G25 cast iron
- Shaft in treated steel
- Motor seals: mechanical or rubber lip seals
- Impeller seals: polyurethane or rubber lip seals.

*All the components are robustly constructed for heavy duty operation*



## EXCAVATORS

Varisco hydraulic cutters EXHY can be attached directly to the pump creating a self-contained excavating system for hard compacted soil where a mechanical excavator would otherwise be required. Excavators mounted on pump also have the effect to increase average solid production of the dredge system.

Varisco Submersible Cutters features:

- Cutting head is designed to reduce cost of wear parts thanks to interchangeable hard teeth.
- Robust hydraulic motor guarantees strong torque and long life.
- Cutters are designed to work up to 250m working depth, handled by steel cable.

## ELECTRIC DREDGE PUMPS

Varisco has developed a unique range of pumps for extreme heavy duty applications. Pumps in this range are designed with oversized motor and exceptional structural quality to work in applications where all other pumps fails.

- Slurries up to 1,7 ton/m<sup>3</sup>
- Low operating RPM to reduce wear effect
- Unique lip seal system with front deflector to prevent fine material to penetrate into seals
- Electric motor in class H with high service factor.

## HIGH HEAD VERSION PUMPS

High head pumps are the ultimate innovation in heavy duty pumps. These pumps are designed to handle everything, from dirty water to the heaviest slurries, performing to a higher level than before.

### **JET RING** “Break materials with the power of *water*”.

High pressure water jet ring system can be used in presence of compact, very dry or clay materials. For electric pumps jets system can be used as an alternative to hydraulic cutters, it consists of a jet ring frame, mounted on the pump strainer, a high pressure centrifugal pump (available in electric and hydraulic versions), a suction hose with water filter and non-returns valve and a delivery line.

*Varisco Jet ring is also available for sea and aggressive mining water.*



**Hardrock Mining**  
**Coal Mining**  
**Waste**  
**Environmental**  
**Civil**  
**Marine**  
**Steel Works**





# The choice is easy Truflo Pumps Vac-assist™





**DISCLAIMER:** Information in this publication is indicative only and is subject to modification without notice. All pump selections, technical information and design specifications must be approved by Truflo Pumping Systems' Engineering Department.





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