



CS-3300.181

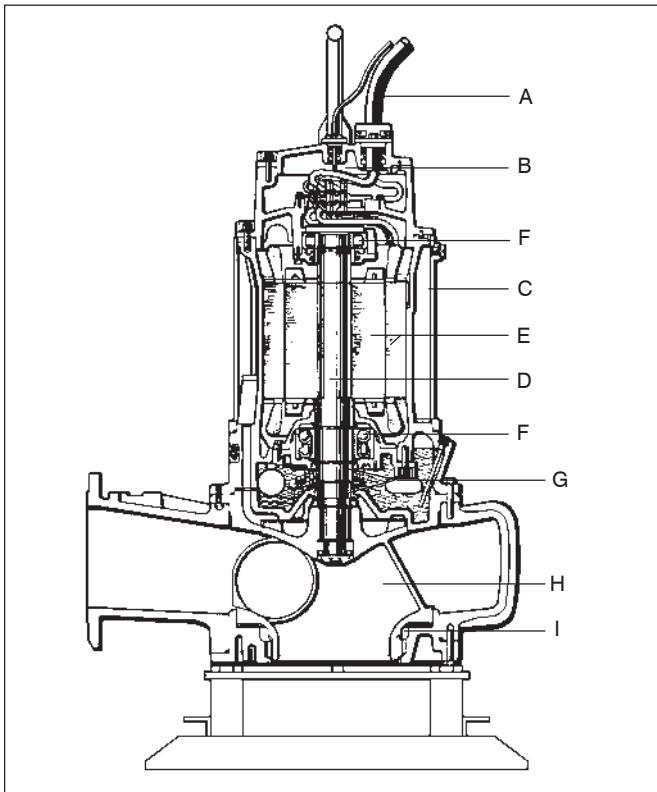
Large Solids Handling Pump

Capacity up to 8,000 GPM, heads up to 215 ft.



Applications:

CS-3300.181 is ideal for pumping trash, sludge, raw sewage, emergency by-pass etc.



Specifications

- A **Cable.** Standard 16 m (50 ft.) AWG 4/3-2-1-GC SubCab or 1/3-2-1-GC cable. Other lengths available.
 - B **Junction Chamber.** Cable entry incorporates a strain relief and grommet controlled compression sealing. Between the junction box and stator housing a rubber gland provides additional seal protection of the motor.
 - C **Pump Housing.** High strength, cast iron ASTM A48 No. 35B body. Static seals are leakproof Nitrile rubber O rings in precision machined grooves, with controlled compression.
 - D **Shaft.** C 1035 Carbon steel.
 - E **Motor.** Air filled, NEMA design B with class H (180°C) insulation. 4 pole, 1775 rpm, 6 pole, 1170 rpm or 8 pole, 880 rpm. Shrink-fit to the motor housing. Allows at least 10 starts per hour. Built-in thermal sensors for additional motor overload protection.
 - F **Bearings.** Upper: single row roller bearing. Lower: two row angular ball bearing.
 - G **Shaft Seals.** Independent double face seals running in environmentally friendly, FDA approved (Standard #172.878) lubricant. Upper seal: tungsten carbide/tungsten carbide. Lower seal: tungsten carbide/tungsten carbide. Oil quantity: 13.7 quarts (13 l).
 - H **Impeller.** Non-clog closed type impeller. Material: cast iron ASTM A48 Class 35B. Maximum particle size: 4" (LT), 6" (MT), 3" (HT).
 - I **Wear ring.** Material: Nitrile rubber or Brass ASTM C 83 600.
- Fasteners.** Stainless steel AISI 304.

Approval:

CSA approved to UL Standard #778 and CSA C22.2 #108.



Controls (not shown).

Manual controls, magnetic starter type, providing short circuit and overload protection, housed in EEMAC3 enclosure. Other enclosure types (EEMAC4, EEMAC12) are optional.

Options:

Explosion-proof FM approved variants CS 3300.091;

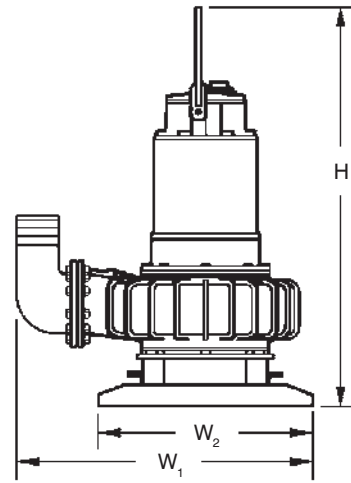
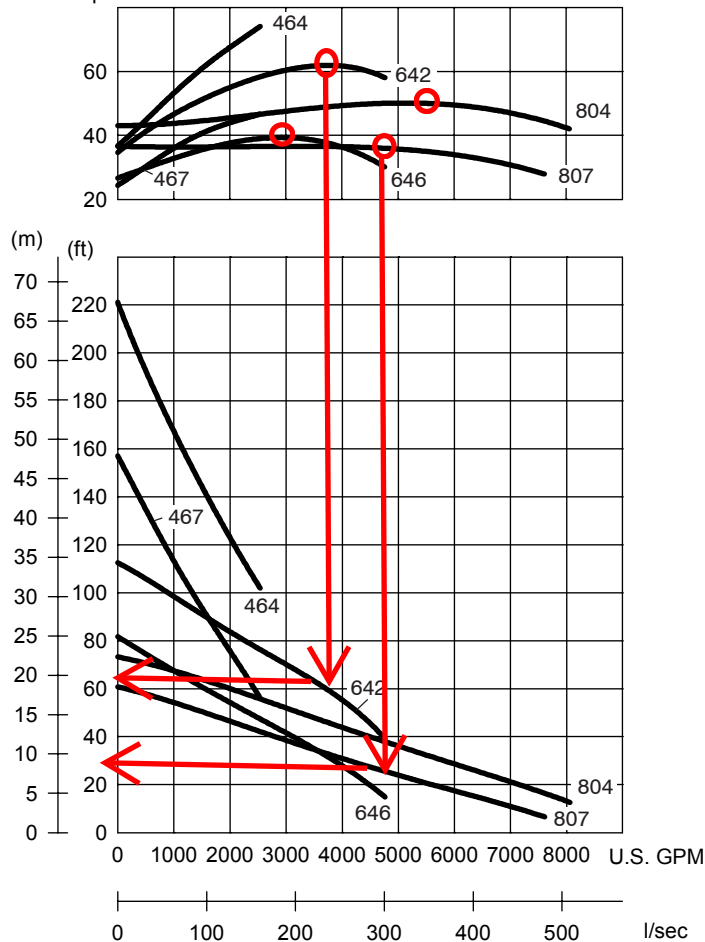
Accessories.

Zinc anodes.

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Performance Data

Power Input kW



Dimensions

Discharge connection	W ₁ inches	W ₁ mm	W ₂ inches	W ₂ mm	H inches	H mm	Weight lbs.	kg
6" High Head*								
6" Hose conn.	48 1/2	1280	41 1/4	1050	72	1827	2210	1003
8" Standard								
8" Hose conn.	59	1494	41 1/4	1050	72	1827	2590	1175
10" High Volume								
10" Hose conn.	64	1624	41 1/4	1050	75 5/8	1915	2800	1270

* Alternate 8" discharge available.

VERSION	IMP. CODE	HP	PHASE	VOLTS	FLA	STARTING CURRENT	CABLE SIZE AWG
High Head HT 6"	467	60	3 3	460 600	75 60	455 364	1/3-2-1-GC 4/3-2-1-GC
	464	88	3 3	460 600	108 86	545 436	1/3-2-1-GC 1/3-2-1-GC
Standard MT 8"	642	60	3 3	460 600	73 58	440 352	1/3-2-1-GC 4/3-2-1-GC
	646	77	3 3	460 600	91 73	540 432	1/3-2-1-GC 1/3-2-1-GC
High Vol. LT 10"	807	45	3 3	460 600	60 48	280 225	4/3-2-1-GC 4/3-2-1-GC
	804	60	3 3	460 600	80 64	360 288	4/3-2-1-GC 4/3-2-1-GC

Note: Other impellers available, please consult your ITT Flygt representative.

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