

TITAN

Heavy Duty

D-MAX

ANSI PUMPS
Houston, Texas

100% **DURCO**[®]
REPLACEMENT
Pump & Parts!

Performance through Engineering!

ISO
9001:2008
REGISTERED



For Chemical Process



- **Quality**
- **Availability**
- **Price**

MANUFACTURING • SALES • SERVICE

100% DURCO® Replacements ... Pump & Parts ...for Less!

Engineered to Perform

The **TITAN D-Max** Ansi pump is rapidly gaining popularity as a proven low-cost, low-maintenance and a reliable performance pump!

Titan Manufacturing has highly trained engineers and professional staff to provide you application engineering, project management, training, customer service, industry knowledge & parts availability.

Applications:

- Chemical process
- Refineries
- Corrosive and toxic environments
- Food / Beverage Processing
- Oil & Gas
- Pulp & Paper

Sizes offered:

- 1 1/2 x 1
- 3 x 1 1/2
- 3 x 2
- 4 x 3
- 6 x 4
- 10 x 8

Materials offered:

- Ductile & Carbon Steel
- 316 Stainless Steel
- CD4

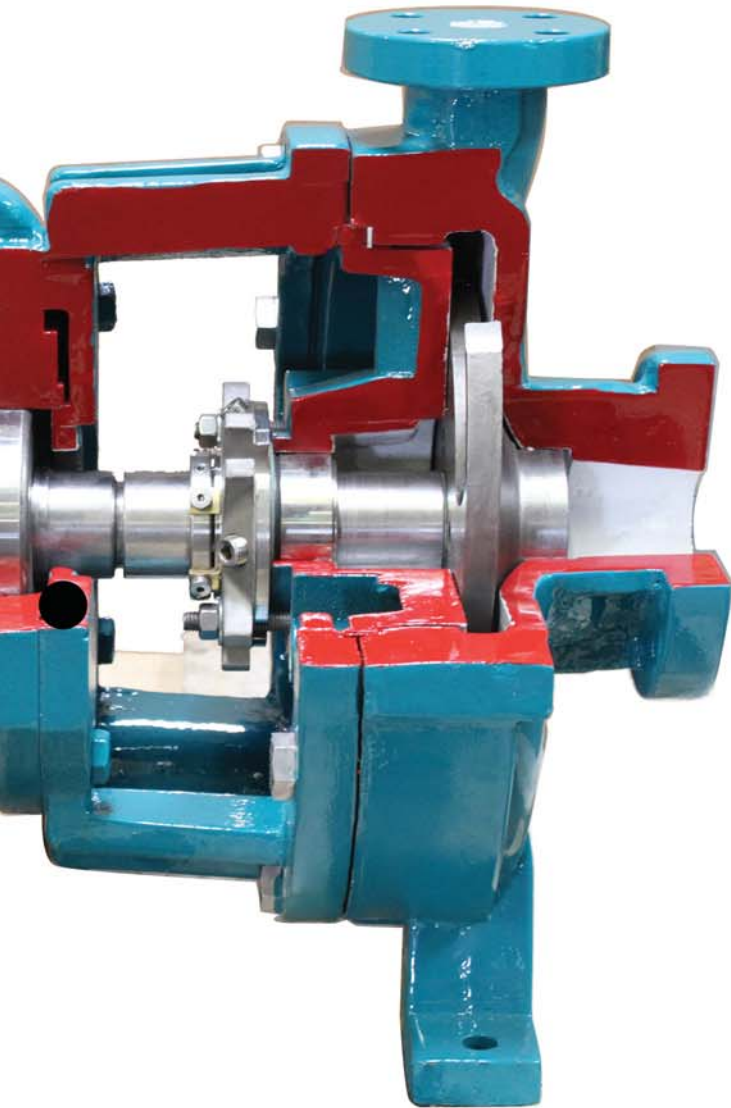


Parts



Call: (713) 283.7700 Fax (713) 283.7600

um... Built to Last!



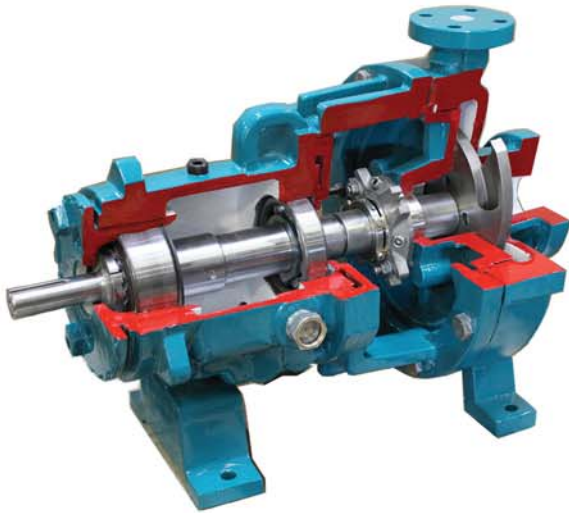
Features

- 1** Micrometer Impeller Adjustment. Bearing Carrier threads into the Frame for accurate, external, impeller setting.
- 2** Adaptors are supplied in Carbon Steel to meet API specifications.
- 3** Adaptor to Frame is a machined fit with O-ring, positive seal.
- 4** Friction Welded shafts in Carbon Steel with 316ss or Cd4MCu wet ends or Carbon Steel shafts for alloy replaceable Alloy Sleeves.
- 5** Reverse-Vane Impellers Perform better, offering many benefits over standard Open Impeller designs.
- 6** Elastomeric energized Teflon envelope gasket on the impeller fit.
- 7** Superior Impeller Stud versus male threaded shaft design on the impeller offers superior strength.
- 8** Multiple Seal Chamber Designs. These include the original Standard bore for packing, FMS, standard bore, but tapered with anti-rotation lugs and FML, oversized bore with taper and anti-rotation lugs.

ISO
9001:2008
REGISTERED

Experience the power of.....**Titan!**

 Titan's D-Max Pump & Parts are 100% interchangeable with Durco®'s pump & parts.



World Class Quality!

Consider this:

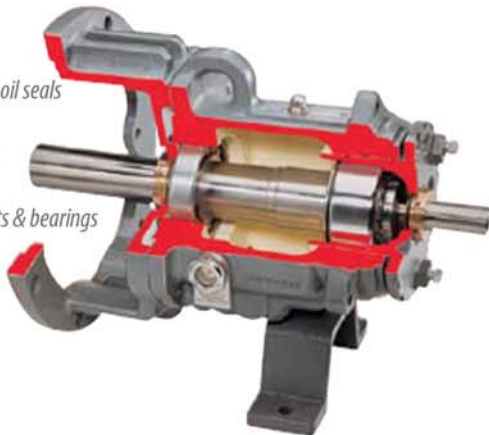
TITAN's D-Max Design Fetures:

- ✓ High Performance Pump
- ✓ 100% Components Interchangeability.
- ✓ Engineered Seal Chambers.
- ✓ Shafts & Bearings Designed for High Performance & High load applications.
- ✓ Lubrication Flexibility
- ✓ Low Maintenance Pump

Heavy Duty Power Frame

Huge Inventory...in stock!

- ✓ INPRO® Labrinth oil seals
- ✓ Large sight glass
- ✓ Heavy duty shafts & bearings



Mechanical seal options

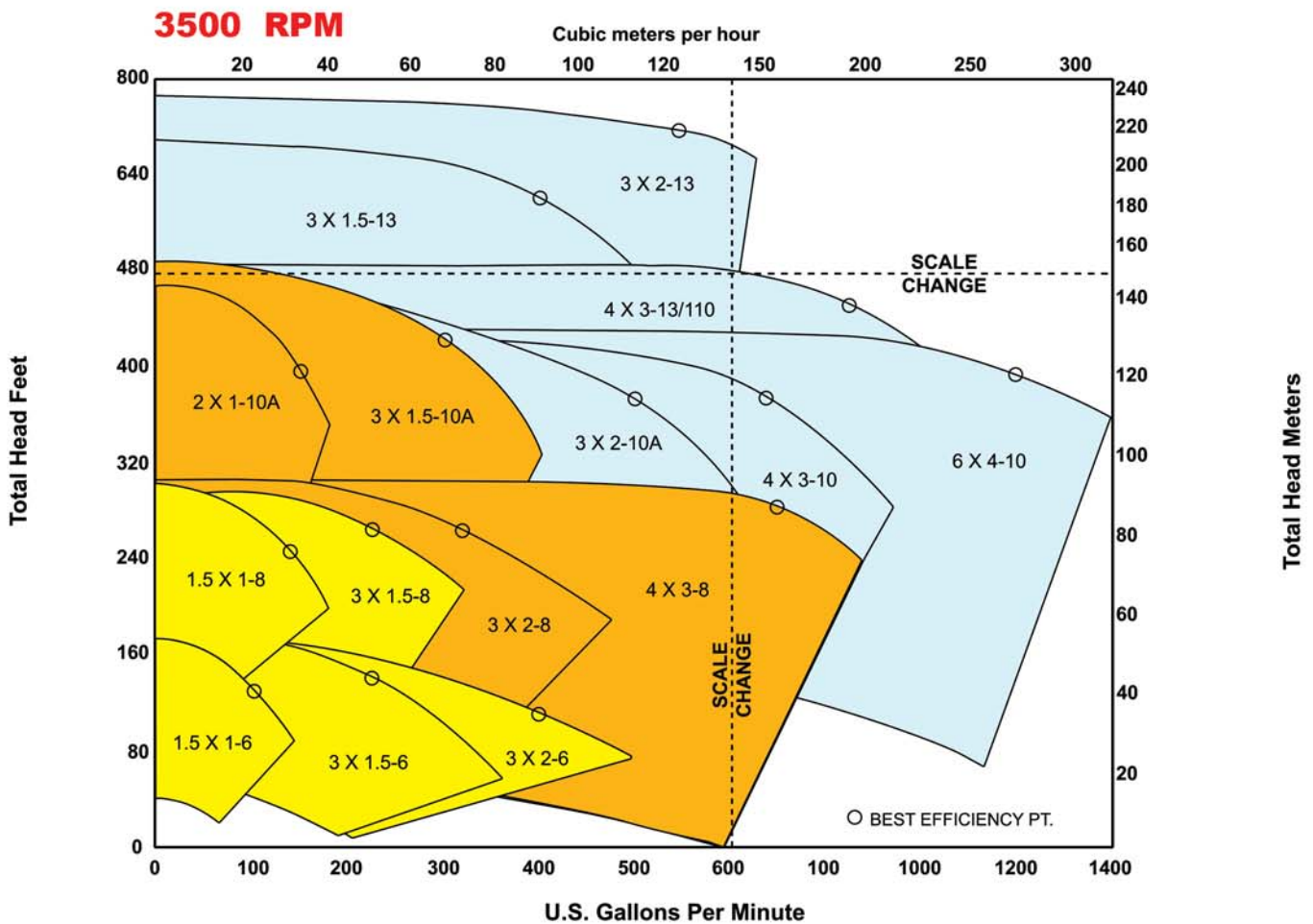
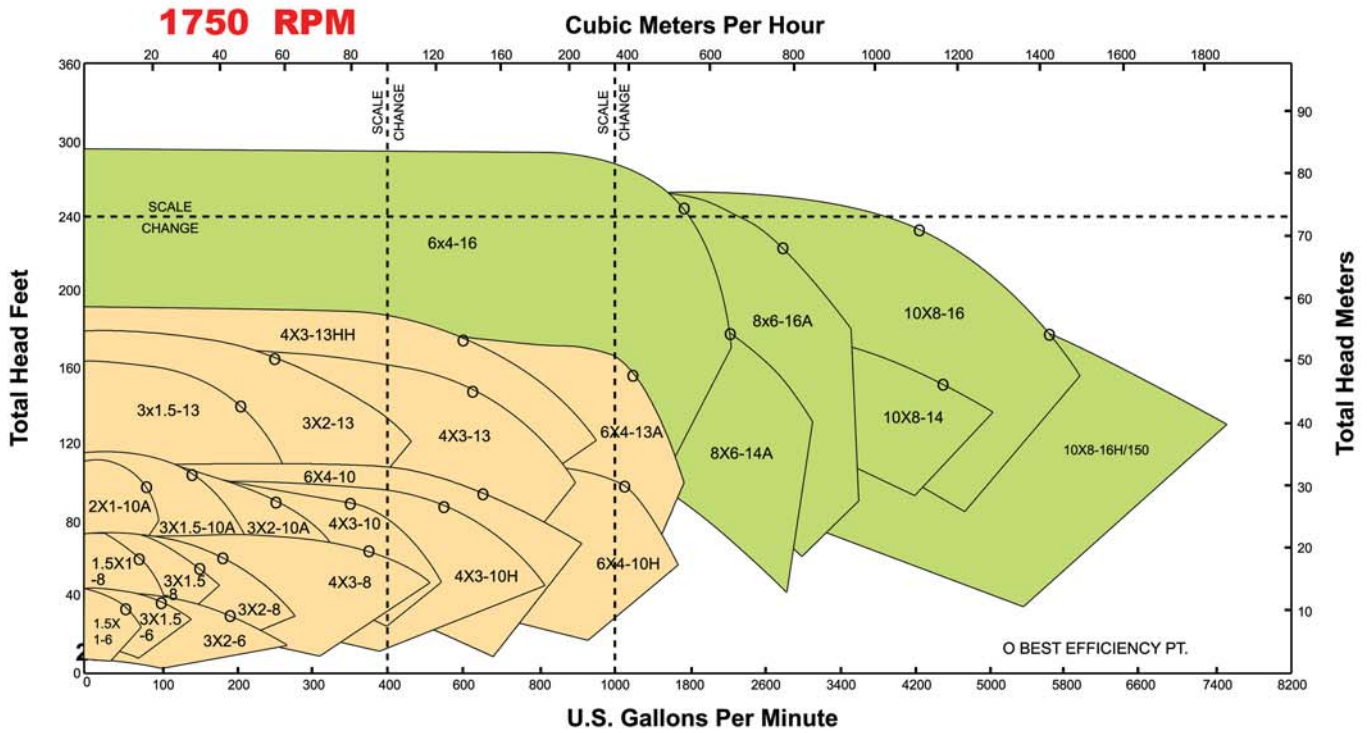
Friction Welded Shafts incorporate a Steel Power end seamlessly attached to an alloy wet end for much greater structural and functional integrity at reduced prices and better performance. Solid shafts are superior to sleeved shafts because there is less deflection. Use of Cartridge Seals means less inventory and better performance.



Better by Design.

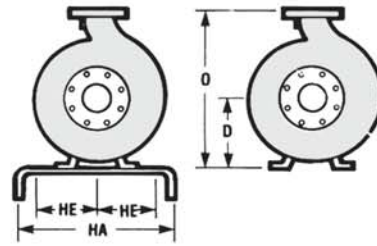
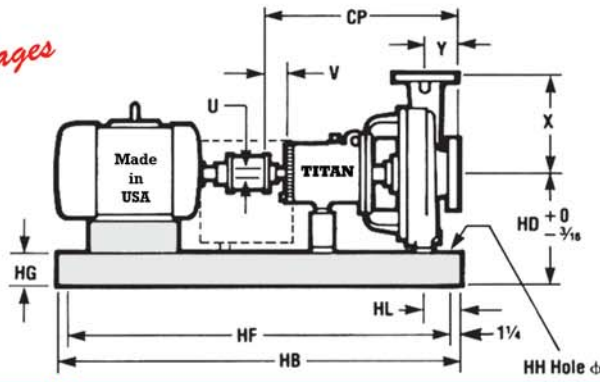
PUMP SELECTION

Performance Curves



Look & Compare... We are your Best Choice!

Skid Packages



PUMP DIMENSIONS

| Pump Group | ANSI Desig. | Size Suction X Discharge X Max. Imp Dia. | Pump Weight lbs. (kg) | X in. (mm) | O in. (mm) | D in. (mm) | E ₁ in. (mm) | E ₂ in. (mm) | CP in. (mm) | F in. (mm) | H in. (mm) | Dia. in. (mm) | U Keyway in. (mm) | V in. (mm) | Y in. (mm) | |
|-----------------|-------------|--|-----------------------|------------|------------|------------|-------------------------|-------------------------|-------------|------------|------------|---------------|-------------------|----------------|------------|--|
| GROUP I 1k | AA | 1½x1-6 | 97 (44) | 6½ (165) | 11¾ (298) | 5¼ (133) | 3 (76) | 0 | 17½ (445) | 7¼ (184) | ¾ (16) | ¾ (22.23) | ¾x¾ (4.76x3.38) | 2 (51) | 4 (102) | |
| | AB | 3x1½-6 | 112 (51) | | | | | | | | | | | | | |
| | | 3x2-6 | 116 (53) | | | | | | | | | | | | | |
| | AA | 1½x1-8 | 103 (47) | | | | | | | | | | | | | |
| | | 3x1½-8 | 124 (56) | 7½ (190.5) | 14½ (368) | 7 (177.8) | | | | | | | | | | |
| GROUP II 2k | A60 | 3x2-8 | 200 (90) | 9½ (242) | 17¾ (450) | 8¼ (210) | 4¾ (124) | 3¾ (92) | 23½ (597) | 12½ (318) | ¾ (16) | 1½ (28.58) | ¾x¾ (6.35x3.18) | 2½ (67) | 4 (102) | |
| | A70 | 4x3-8 | 227 (103) | 11 (280) | 19¼ (490) | | | | | | | | | | | |
| | A05 | 2x1-10A | 210 (94) | 8½ (216) | 16¾ (425) | | | | | | | | | | | |
| | A50 | 3x1½-10A | 220 (100) | 8½ (216) | 16¾ (425) | | | | | | | | | | | |
| | A60 | 3x2-10A | 226 (103) | 9½ (242) | 17¾ (450) | | | | | | | | | | | |
| | A70 | 4x3-10 | 225 (101) | 11 (280) | 19¼ (490) | | | | | | | | | | | |
| | A40 | 4x3-10H | 249 (112) | 12½ (318) | 22½ (572) | 10 (254) | | | | | | | | | | |
| | A80 | 6x4-10 | 290 (130) | 13½ (343) | 23½ (597) | | | | | | | | | | | |
| | A80 | 6x4-10H | 328 (149) | 13½ (343) | 23½ (597) | | | | | | | | 1½ (38.1) | ¾x¾ (9.5x4.76) | | |
| | A20 | 3x1½-13 | 250 (112) | 10½ (266) | 20½ (520) | | | | | | | | 1½ (38.1) | ¾x¾ (9.5x4.76) | | |
| | A30 | 3x2-13 | 258 (116) | 11½ (292) | 21½ (546) | | | | | | | | | | | |
| | A40 | 4x3-13 | 281 (126) | 12½ (318) | 22½ (572) | | | | | | | | | | | |
| A40 | 4x3-13HH | 281 (126) | 12½ (318) | 22½ (572) | | | | | | | | | | | | |
| A80 | 6x4-13A | 324 (145) | 13½ (343) | 23½ (597) | | | | | | | | | | | | |
| GROUP III 3k | A90 | 8x6-14A | 680 (306) | 16 (406) | 30½ (775) | 14½ (368) | 8 (203.2) | 4½ (114.3) | 33¾ (860) | 18¾ (476) | ¾ (22) | 2¾ (60.33) | ¾x¾ (15.88x7.94) | 4 (102) | 6 (152) | |
| | A100 | 10x8-14 | 899 (408) | 18 (457) | 32½ (826) | | | | | | | | | | | |
| | | 6x4-16 | 641 (291) | 16 (406) | 30½ (775) | | | | | | | | | | | |
| | A110 | 8x6-16A | 832 (377) | 18 (457) | 32½ (826) | | | | | | | | | | | |
| | A120 | 10x8-16 | 917 (416) | 19 (483) | 33½ (851) | | | | | | | | | | | |
| | A120 | 10x8-16H | 992 (450) | 19 (483) | 33½ (851) | | | | | | | | | | | |

BASEPLATE MOUNTING DIMENSIONS

| Pump Group | Baseplate | Max. Motor Frame | Weight lbs. (kg) | HA in. (mm) | HB in. (mm) | *HD in. (mm) | *HD ₁ in. (mm) | HE in. (mm) | HF in. (mm) | HG in. (mm) | HH in. (mm) | HL in. (mm) |
|-----------------|-----------|------------------|------------------|-------------|-------------|--------------|---------------------------|-------------|-------------|-------------|-------------|-------------|
| GROUP I 1k | 50 | 182T | 100 (45.4) | 12 (305) | 35 (889) | 8¼ (210) | 10 (254) | 4 (102) | 32½ (826) | 3 (76) | ¾ (19) | 4½ (114) |
| | 51 | 215T | 98 (44.5) | 13 (330) | 39 (991) | ▲ 8¾ (219) | 10¼ (260) | 4½ (114) | 36½ (927) | 3¼ (83) | ¾ (19) | |
| | 53A | 254T | 140 (63.5) | 17 (432) | 44 (1118) | ▲ 9¾ (251) | 10½ (267) | 6 (152) | 41½ (1054) | 3½ (89) | ¾ (19) | |
| | | 284T | | | | ▲ 10¾ (270) | ▲ 10¾ (270) | | | | | |
| GROUP II 2k | 52 | 215T | 128 (58) | 15 (381) | 45 (1143) | 12 (305) | 13¾ (349) | 4½ (114) | 42½ (1080) | 3¾ (95) | ¾ (19) | |
| | 53 | 284T | 174 (79) | 17 (432) | 52 (1321) | 12¾ (314) | 14¾ (359) | 6 (152) | 49½ (1257) | 4½ (105) | ¾ (19) | |
| | 54 | 326T | 226 (102.5) | 20 (508) | 58 (1473) | 13 (330) | 14¾ (375) | 7½ (190) | 55½ (1410) | 4¾ (121) | 1 (25) | |
| | | 365T | | | | ▲ 13¾ (352) | | | | | | |
| | 55 | 404T | 310 (141) | 22 (559) | 60 (1524) | ▲ 14¾ (378) | ▲ 14¾ (378) | 7½ (190) | 57½ (1460) | 4¾ (121) | 1 (25) | |
| | | 405TS | | | | ▲ 15¾ (403) | ▲ 15¾ (403) | | | | | |
| 56 | 405T | 312 (141.5) | 24 (610) | 61¾ (1568) | ▲ 14¾ (378) | ▲ 14¾ (378) | 7½ (190) | 59¼ (1505) | 4¾ (121) | 1 (25) | | |
| | 445TS | | | | ▲ 15¾ (403) | ▲ 15¾ (403) | | | | | | |
| GROUP III 3k | 58 | 365T 365TS | 412 (187) | 20 (508) | 68 (1727) | 18¾ (476) | | 8½ (216) | 65½ (1664) | 9¾ (248) | 1½ (28.58) | 6½ (216) |
| | 59 | 445 | 494 (224) | 22 (559) | 80 (2032) | 18¾ (476) | | 9½ (241) | 77½ (1968) | 7¾ (197) | 1½ (28.58) | |
| | | 447TS | | | | | | | | | | |
| | 60 | 447T | 604 (274) | 25 (635) | 84 (2134) | 18¾ (476) | | | 11 (279) | 81½ (2070) | 6¼ (159) | 1½ (28.58) |
| 449TS | | | | | | | | | | | | |
| 61 | 449T | 633 (287) | 25 (635) | 88 (2235) | 18¾ (476) | | | 11 (279) | 85½ (2172) | 7¾ (197) | 1½ (28.58) | |

*GPI-HD₁, applies to 3x1½-8 only.

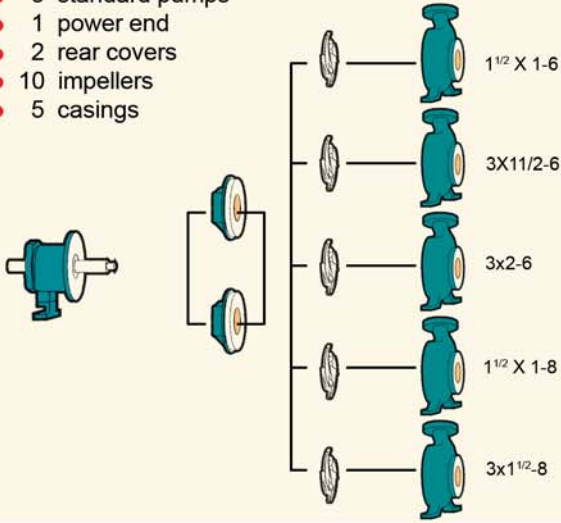
GPII-HD applies to 3x2-8, 4x3-8, 2x1-10A, 3x1½-10A, 3x2-10A, and 4x3-10

HD₁, applies to 4x3-10H, 6x4-10, 6x4-10H, 3x1½-13, 3x2-13, 4x3-13, and 6x4-13A.

▲ Includes spacer under pump.

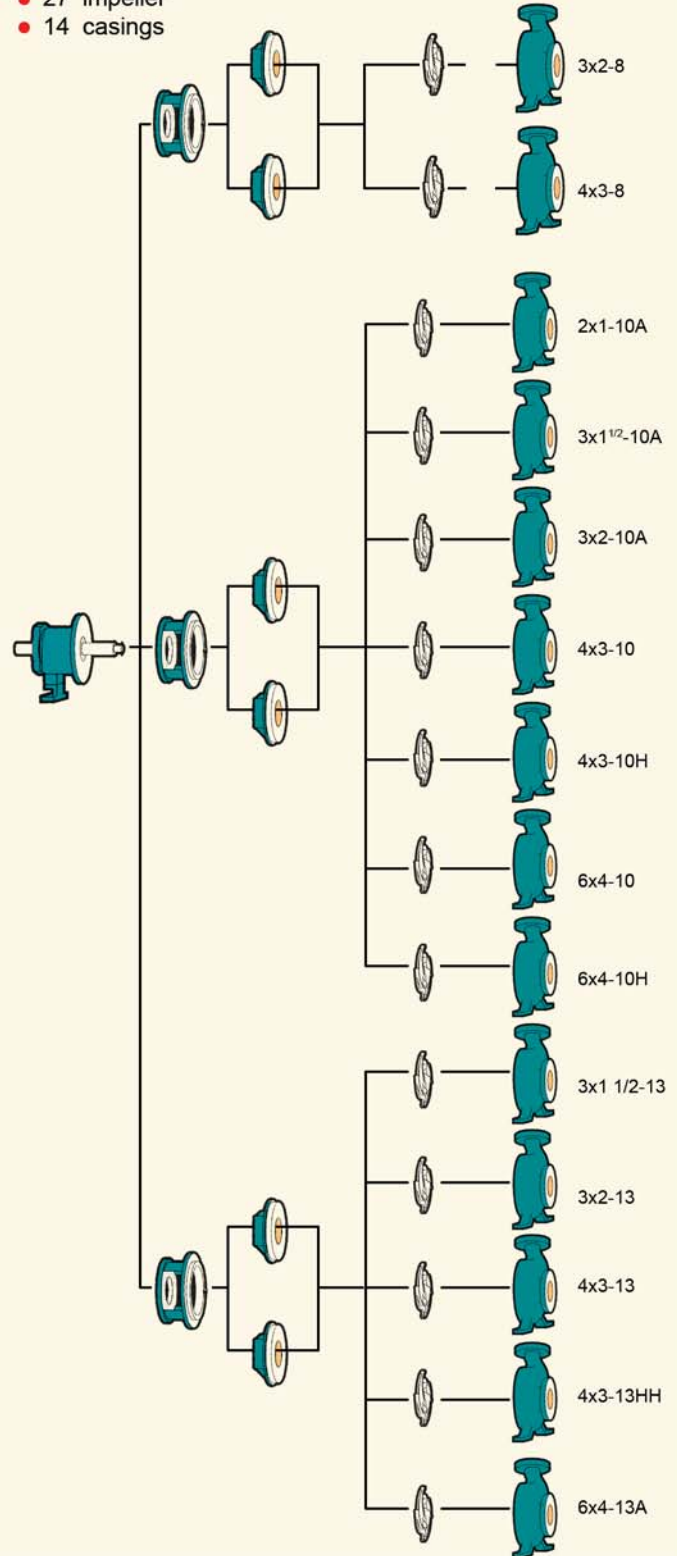
TITAN D-MAX GROUP I

- 5 standard pumps
- 1 power end
- 2 rear covers
- 10 impellers
- 5 casings



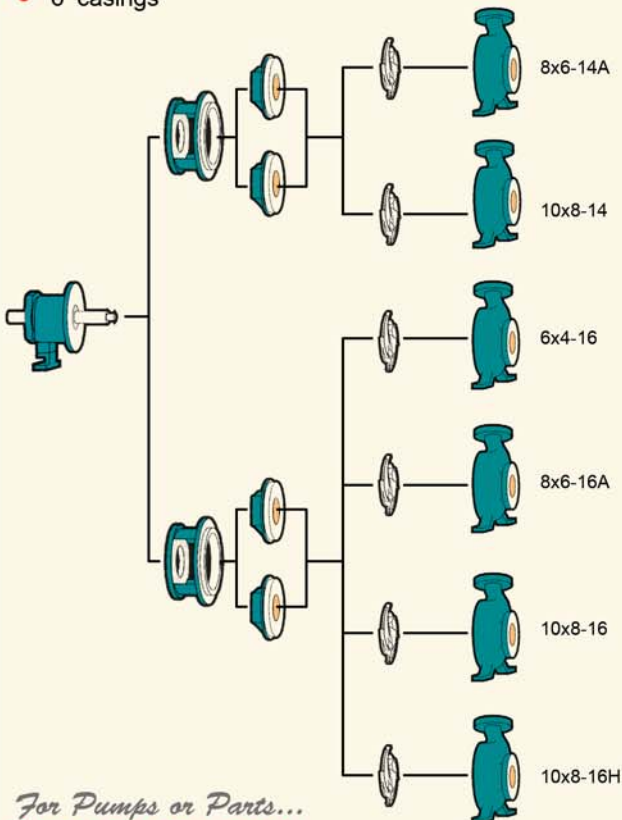
TITAN D-MAX GROUP II

- 14 standard pumps
- 1 power end
- 3 adapters
- 6 rear covers
- 27 impellers
- 14 casings



TITAN D-MAX GROUP III

- 6 standard pumps
- 1 power end
- 2 adapters
- 4 rear covers
- 12 impellers
- 6 casings



For Pumps or Parts...
Call: 713.283.7700

Titan

MANUFACTURING, INC.

Engineered to perform...

...Built to last!



World Class Pumps & Parts ... for Less!!

We do more for You.



AODD



Butterfly Valves



Hammer Unions



Assembly



Trash




Ansi (Durco® or Gould®)



Huge Inventory in stock

Call Titan Engineering Department for technical questions or applications assistance.

 **(713) 283.7700**



Titan Manufacturing Facility: 45,000 sq. ft.

Titan Manufacturing, Inc.
A FS CORPORATION

9447 Bamboo Rd. • Houston, Texas 77041
Office: (713) 283.7700 / Fax: (713) 283.7600

Website: www.titanpumpsinc.com
email: sales@titanpumpsinc.com