



TITAN[®]

SUPERIOR BOLTING SOLUTIONS[®]

TITAN[®] Hydraulic Wrench Pumps

Express-Series and Plus-Series



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TITAN

PLUS SERIES PUMPS WITH FAN COOLED HEAT EXCHANGER

**Reduces the heat build up by up to 25%!
Extends pump life!
Reduce overheating down time!**

Titan offers Heat Exchangers for both its EXE Series and Plus Series Hydraulic Wrench pumps. The Heat exchangers can be fitted to existing Titan pumps or can be purchased as an accessory. Designed for heavy use applications such as wind farms. The Titan Heat Exchangers help extend the life of the pump and prevent down time caused by pump overheating.

Part Number	Description
TITAN E115-FC	Titan 115V/60hz, High Speed Torque Wrench Pump. Sgl Tool Port w/ Fan Cooled Heat Exchanger
TITAN E230-FC	Titan 230/50hz, High Speed Torque Wrench Pump. Sgl Tool Port w/ Fan Cooled Heat Exchanger
TITAN E115-4FC	Titan 115V/60hz, High Speed Torque Wrench Pump, 4 Tool Ports w/ Fan Cooled Heat Exchanger
TITAN E230-4FC	Titan 230/50hz, High Speed Torque Wrench Pump. 4 Tool Ports w/ Fan Cooled Heat Exchanger
TITAN TWIN ELECTRIC-FC	Titan DUAL MOTOR PUMP w/ Extreme High Flow Hydraulic Wrench applications (1500 cu in per min) 230V/50hz, Sgl Tool Port w/ Fan Cooled Heat Exchanger
E115FC E230FC	Upgrade Kit for existing pumps. We can upgrade several pump versions, including older models. Call or e-mail for complete details. Due to pump modifications this upgrade is not field installable.

Heat Exchangers are standard on all Titan EXE MAX Express Series Models

Standard Features on TITAN Express Pumps Include:

- 2 Powerful Motors
- LIGHT ALLOY Housing & Tank
- Integral Carrying Handle
- Internal Low Pressure regulator
- Valve Configuration: 4-way Spool Solenoid
- Filter-Lubricator-Regulator
- Easy Access Oil Fill Port
- Oil Sight Gauge with Thermometer
- 2 gallon / 7.6 liter oil reservoir
- 10,000 psi / 700bar 15' / 4.5m Hydraulic Hose Assy.
- Safety Hose Burst Guards
- 20' / 6.1 meter Remote Control Assy.
- Heavy Duty “Dead Man” Safety Switch
- External adjustable pressure regulator
- Retract side internal relief valve
- Maximum pressure: 10,000 psi (700 bar)
- Precision liquid filled dual scale gauge
- Single or 4 Tool Manifold

TITAN

Twin-Plus Air

Power Requirements: 70-100psi / 95 CFM Air • Flow: 1340 cu in / 22 lpm per min.



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>Model P+ TWIN Single Port</i>	1340 cu. in./min @ 100 psi (22 liter/min @ 7 bar) 110 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg
<i>Model P+4 TWIN Four Port</i>	1340 cu. in./min @ 100 psi (22 liter/min @ 7 bar) 110 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg

TITAN

Twin-PlusElectric

Power Requirements: 220V-50HZ / 26 amp • Flow: 1440 cu in / 23.6 lpm per min.



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>E230 Twin 230V Single Port</i>	1440 cu. in./min @ 100 psi (23.6 liter/min @ 7 bar) 112 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg
<i>E230 Twin-4 230V 4 Port</i>	1440 cu. in./min @ 100 psi (23.6 liter/min @ 7 bar) 112 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg



SUPERIOR BOLTING SOLUTIONS®

“EXPRESS SERIES”
Hydraulic Torque Wrench Pumps

Standard Features on TITAN Express Pumps Include:

Fan Cooled Heat Exchangers are standard on Titan EXE Series full frame electric Pumps

- 3 Stage Piston Design
- 4-Way Valve
- Maximum Pressure 10,000 psi (700 bar)
- Easy Access Pressure Setting
- Quiet - Meets OSHA Standards
- Max Pumps Have Single or 4-Tool Ports
- Mini Pumps Have 1-Tool Port
- Heavy Duty 25 ft. (7.62 m.) Remote
- Liquid Filled Pressure Gauge psi/bar
- 15 ft. (4.57 m.) Hose Pair



	Performance	Oil Flow	Dimensions	Weight	Reservoir	Power
EXPRESS MAX	0-1100 psi 1100-3200 psi 3200-10000 psi	390 cu. in/min 110 cu. in/min 43 cu. in/min	Length: 16.2 in Width: 11.8 in Height: 17.5 in	59 lbs	2 Gal.	.75 hp
Part Number EXE-MAX	0-76 bar 76-220 bar 220-700 bar	6.4 Liter/min 1.8 Liter/min 0.7 Liter/min	Length: 41 cm Width: 30 cm Height: 44 cm	27 kg	7.57 L.	.56 kw



EXPRESS MINI	0-1100 psi 1100-3200 psi 3200-10000 psi	235 cu. in/min 66 cu. in/min 25cu. in/min	Length: 12.6 in Width: 8.7 in Height: 17.0 in	31 lbs	1 Gal.	.35 hp
Part Number EXE-MINI	0-76 bar 76-220 bar 220-700 bar	3.9 Liter/min 1.1 Liter/min 0.4 Liter/min	Length: 32 cm Width: 22 cm Height: 43 cm	14 kg	3.78 L.	.26 kw



EXPRESS Whirlwind Auto Cycle	0-1100 psi 1100-3200 psi 3200-10000 psi	520 cu. in/min 180 cu. in/min 80 cu. in/min	Length: 17.0 in Width: 10.0 in Height: 19.5 in	72 lbs	2 Gal.	1.5 hp
Part Number EXE-HP-AUTO	0-76 bar 76-220 bar 220-700 bar	8.5 Liter/min 2.9 Liter/min 1.3 Liter/min	Length: 40 cm Width: 38 cm Height: 46 cm	33 kg	7.57 L.	1.12 kw



EXPRESS Auto Cycle	0-1100 psi 1100-3200 psi 3200-10000 psi	390 cu. in/min 110 cu. in/min 43 cu. in/min	Length: 16.2 in Width: 11.8 in Height: 17.5 in	63 lbs	2 Gal.	.75 hp
Part Number EXE-MAX-AUTO	0-76 bar 76-220 bar 220-700 bar	6.4 Liter/min 1.8 Liter/min 0.7 Liter/min	Length: 41 cm Width: 30 cm Height: 44 cm	28 kg	7.57 L.	.56 kw

EXPRESS Max Air	0-1100 psi 1100-3200 psi 3200-10000 psi	460 cu. in/min 153 cu. in/min 55 cu. in/min	Length: 20.5 in Width: 13.8 in Height: 20 in	66 lbs	2 Gal.	3.75 hp
Part Number EXA-MAX	0-76 bar 76-220 bar 220-700 bar	7.5 Liter/min 2.5 Liter/min 0.9 Liter/min	Length: 52 cm Width: 35 cm Height: 51 cm	30 kg	7.57 L.	2.80 kw

EXPRESS Mini Air	0-1100 psi 1100-3200 psi 3200-10000 psi	275 cu. in/min 86 cu. in/min 32 cu. in/min	Length: 12.2 in Width: 11.5 in Height: 16.5 in	41 lbs	1 Gal.	1.50 hp
Part Number EXA-MINI	0-76 bar 76-220 bar 220-700 bar	4.5 Liter/min 1.4 Liter/min 0.5 Liter/min	Length: 31 cm Width: 29 cm Height: 42 cm	19 kg	3.78 L.	1.12 kw

TITAN Plus Series Pumps

Standard Features on TITAN Express Pumps Include:

- LIGHT ALLOY Housing & Tank
- Integral Carrying Handle
- Internal Low Pressure regulator
- Valve Configuration: 4-way Spool Solenoid
- Filter-Lubricator-Regulator
- Easy Access Oil Fill Port
- Oil Sight Gauge with Thermometer
- 2 gallon / 7.6 liter oil reservoir
- 10,000 psi / 700bar 15' / 4.5m Hydraulic Hose Assy.
- Safety Hose Burst Guards
- 20' / 6.1 meter Remote Control Assy.
- Heavy Duty "Dead Man" Safety Switch
- External adjustable pressure regulator
- Retract side internal relief valve
- Maximum pressure: 10,000 psi (700 bar)
- Precision liquid filled dual scale gauge
- Single or 4 Tool Manifold
- Twin Pump Available

TITAN Plus Series Air

Power Requirements: 70-100psi / 50 CFM Air • Flow: 670 cu in / 11.1 lpm per min. • Powerful 3 HP motor (2.24Kw)



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>Model P+ Single Port</i>	670 cu. in./min @ 100 psi (11.1 liter/min @ 7 bar)	9.5" 241mm	16.5" 419mm	19.8" 503mm	58 lb 26kg
	55 cu. in./min @ 10000 psi (1 liter/min @ 700 bar)				
<i>Model P+4 Four Port</i>	670 cu. in./min @ 100 psi (11.1 liter/min @ 7 bar)	9.5" 241mm	16.5" 419mm	19.8" 503mm	58 lb 26kg
	55 cu. in./min @ 10000 psi (1 liter/min @ 700 bar)				

TITAN Plus Series Electric w / Optional Heat Exchanger

Power Requirements: 115V-60HZ / 28 amp • Flow: 720 cu in / 11.8 lpm per min • 1 1/8 HP motor (.9Kw)



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>E115-FC Single Port</i>	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
	56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)				
<i>E115-4FC 4 Port</i>	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
	56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)				

Power Requirements: 115V-60HZ / 25 amp • Flow: 720 cu in / 11.8 lpm per min • 1 1/8 HP motor (.9Kw)



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>E115 Single Port</i>	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
	56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)				
<i>E115-4 4 Port</i>	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
	56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)				

Power Requirements: 220V-50HZ / 13 amp • Flow: Flow: 720 cu in / 11.8 lpm per min • 1 1/8 HP motor (.9Kw)



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>E220 Single Port</i>	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
	56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)				
<i>E220-4 4 Port</i>	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
	56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)				

TITAN® WindMaster™ Pumps

Fast • Portable • Durable

WindMaster™ Electric Hydraulic Wrench Pump



WindMaster™ 2010 Electric Hydraulic Tensioner Pump



46% Smaller than conventional Torque Wrench Pumps

- Sturdy steel constructed protective frame
- Integral Safety Rated Certified Lifting Hook
- 4-port Manifold for multiple tool usage
- Exceptional gauge protection
- Quick Disconnect remote control
- Extremely flat design
- Low center of gravity
- Industrial oil filter (built-in tank)
- Standard with rubber feet
- Thermostatically controlled oil cooler:
- Automatic operating oil temperature control Heat Exchanger
- Post Operational Cooling Fan for optimum performance

	Performance	Oil Flow	Dimensions
TITAN® WindMaster™ 230	0-1100 psi 1100-3200 psi 3200-10000 psi	390 cu. in/min 110 cu. in/min 43 cu. in/min	Length: 16.2 in Width: 11.8 in Height: 17.5 in
TITAN® WindMaster™ 115	0-1100 psi 1100-3200 psi 3200-10000 psi	235 cu. in/min 66 cu. in/min 25cu. in/min	Length: 12.6 in Width: 8.7 in Height: 17.0 in

- Weight 66 lbs (30 Kg)
- Brushless .75 HP (.56Kw) Motor
- 1 Gallon (4 Liter) Reservoir

WindMaster™ 2010: Finally a Hydraulic Tensioning Pump with the features and durability you need.

- 1500 bar Electric Tensioner Pump
- Sturdy steel constructed protective frame
- Integral Safety Rated Certified Lifting Hook
- Auxiliary lifting frame hook on side of frame
- 2500 bar precision calibrated pressure gauge
- 1.5 KW (1500W) 10.5 Amp Universal Brushless Electric motor for use with 2 phase/115V/60 Hz or single phase 230V/50Hz
- High flow for multiple Tensioner usage
- Exceptional gauge protection
- 3 Liter Steel Tank with rubber support underneath
- Extremely flat design
- Low center of gravity
- Industrial oil filter (built-in tank)
- Standard with rubber feet
- Thermostatically controlled oil cooler:
- Integral Heat Exchanger with fan for hot weather and heavy usage
- Integral Oil Heater for extreme cold weather usage

- Weight: 44 Kg (97 lbs)
- Ambient Operating Temperature range -30 C to +80C
- Length: 600 mm (24.7")
- Width: 360 mm (14.2")
- Height: 430 mm (16.9")

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TITAN Mission Statement

Our objective is to be the world's leading provider of bolting solutions by manufacturing and supplying the highest quality and most comprehensive product line of Hydraulic, Pneumatic & Electric Torque Wrenches and accessories, Hydraulic Nuts, Tensioners, and other high-end bolting technologies on the market.

We deliver a higher value to the customer through superior products, outstanding service, along with innovative engineering support and leading edge customer driven technologies.

Honesty, integrity, professionalism and an uncompromised commitment to excellence are what define us. We succeed for the benefit of our customers, shareholders, employees, dealers and representatives.

Titan Technologies - Different from other companies that sell bolting products and services. Titan is a solutions based company which features a vast array of solutions to any bolting application.



Technical Expertise - Titan has Bolting applications experience in multiple industries including power generation, wind, oil & gas, ship building & repair, refining, chemicals, pulp and paper and more.



Local Service - Extensive network of independent sales representatives and authorized dealers located worldwide.



People: Titan enjoys a worldwide network of experienced experts trained to recommend the most cost-effective solution for your bolting job.

Quality: All of our products are designed using the latest aerospace finite element design techniques and machined to the tightest tolerances in the business, to ISO 9001:2000 and EN/JISQ/AS9100:2004 quality standards

Engineering: Patently different. Titan spends a higher percentage of its revenue in research and development to ensure the highest quality and most durable products on the market.

Quality Guarantee

Comprehensive Extended Warranty

ADDITIONAL PRODUCTS & SERVICES OFFERED

- Titan ETite™ Electric Torque Wrenches
- Titan Bolt Tensioners - Modular Style
- Titan Bolt Tensioners - Dedicated Style
- Titan Hydraulic Nuts
- Titan Power Flange Spreaders
- Titan Power Nut Splitters
- Titan AirTite® Pneumatic Torque Wrenches
- Sockets & Accessories
- Striking Wrenches
- Rentals
- Equipment Service & Repair
- Calibration Services

