

Power Units



- **More speed, power and durability**
- **Versatile units, power a wide variety of wrenches and tools**
- **Every unit tested by FASTORQ technicians**
- **Every unit complete with hoses, controllers, quick disconnects**
- **Electric, air, hydraulic and manual models to meet every need**



LEADING PROVIDER OF BOLT LOADING & REMOVAL SOLUTIONS

Products and Prices are subject to updates and changes. Please contact us for current quote.

2013

Power Units Comparison Chart

Motor Type	Model No.	Use For	Power Rqmt.	Max Pressure (psi)	Oil Delivery (Cubic In./Min)		Motor Size (HP)	Reservoir Capacity (Gallons)	Dimensions (Inches)				Valve Type
					@ no Load	@ full Pressure			Length Depth	Width	Height	Weight (w/oil) lbs.	
AIR	105A	AutoSPLITTER	40 psi to 120 psi	10,000 psi	68	4	1/4	1	10	5	7.75	20	2 Way
	205A	Torque Wrenches AutoSPLITTER Flange Puller	50 cfm @90 psi	10,000 psi	400	50	1.5	2	25.44	16.75	20.5	100	4 Way
	603A	SpinTORQ	150 cipm @100 psi	3,000 psi	10 gpm	4 gpm @1500 psi	6	2.5	21	19	51	205	4 Way
	ST-CU	SpinTORQ Control Unit for use with customer's power unit.							15	8	16	25	4 Way
	610A	Torque Wrenches AutoSPLITTER Flange Puller	150 cfm @100 psi	10,000 psi	550	150	6	2	21	19	51	205	4 Way
ELECTRIC	115E	AutoSPLITTER	110/220 Volts AC Single Ph. 50/60hz	10,000 psi	400	20	.5	2	12.25	12.25	19	64	Dump
	210E	Torque Wrenches AutoSPLITTER	115 Volts A/C	10,000 psi	400	20	.5	1	11.31	7.88	18.56	80	4 Way
	215E	Torque Wrenches AutoSPLITTER Flange Puller	115 Volts A/C	10,000 psi	400	50	1.5	2	12.25	12.25	19.03	95	4 Way
Manual Two Speed	HTP-40H	Stud Tensioners	Hand Powered	40,000 psi	Per Stroke .99 @ 200 psi	Per Stroke .037 @ 40K psi	n/a	60 cu in	22	4.74	9	14	Manual
AIR	HTP 1000	Stud Tensioners	75 cfm @ 100 psi	30,000 psi	36	28	1.5	5	20	20	20	120	Manual
	HTP 2000	Stud Tensioners	75 cfm @ 100 psi	30,000 psi	29	17	1.5	5	20	20	20	130	Manual
Manual Two Speed	150F 150F2	AutoSPLITTER AutoSPREADER	Foot Powered	10,000 psi	Per Stroke .662 @ 325 psi	Per Stroke .16 @ 10K psi	n/a	152 cu in	22.75	3.75	6	26.2	Manual
	150H 150H2	AutoSPLITTER AutoSPREADER	Hand Powered	10,000 psi	Per Stroke .662 @ 325 psi	Per Stroke .16 @ 10K psi	n/a	152 cu in	22.75	3.75	6	26.2	Manual
Manual One Speed	100H 100H2	AutoSPLITTER AutoSPREADER	Hand Powered	10,000 psi	Per Stroke .662 @ 325 psi	Per Stroke .16 @ 10K psi	n/a	55 cu in	23.0	4.75	6	15.8	Manual

Standard Accessories

Models 100H, 105A, 115E, 150H & 150F include 12 ft hydraulic hose and fittings **Models 100H2, 150H2, 150F2** same specs as 100H, 150H & 150F includes pair of 12 ft hydraulic hoses, tee block, load lowering valve & fittings **Models 603A & 610A** include 25 ft hydraulic hose and fittings, 25 ft remote control, filter, regulator, lubricator and liquid filled hydraulic pressure gauge, rugged welded framework protects components - **Model 205A** includes the same, but with 20 ft remote control.

Models 210E and 215E include 25 ft hydraulic hose and fittings, 20 ft remote control cable and liquid filled hydraulic gauge, rugged welded framework protects components **Model HTP1000 & HTP2000** includes liquid filled hydraulic gauge, rugged welded framework protects components, hoses and fittings sold separately **Model HTP2000** includes air-operated suction return pump for fast retraction of stud tensioners **Model HTP-40H** includes 30,000 PSI pressure gauge and fittings.



Power Units for AutoSPLITTER models

All AutoSPLITTER models require 10,000 PSI hydraulic pumps (sold separately). We supply electric, air and manually driven power units. When electricity or air power are not available, select from Models 100H or 150H. With each pump you will receive 12 feet of hydraulic hose plus all fittings and quick disconnects needed. Just like the quality you rely on from all our tools, Fastorq Power Units are designed to handle your most challenging needs without fail!

SPEED: More speed, power and durability than any other power unit in the industry.

ACCURACY AND EASE: Set the torque and with the touch of a button.

VERSATILITY: Get the power and control you need in a complete range, from 150 to 150,000 ft./lbs.

RELIABILITY: Every power unit is fully tested by FASTORQ® technicians and is delivered ready for operation complete with the necessary hoses, controllers and quick disconnects.

THE DIFFERENCE: Competitive power units utilize 2-stage pumps. The first stage provides a high flow rate (speed) up to 1,000 psi (10% of torque capacity). When the torque requirement exceeds 10% (1,000 psi), the second stage takes over and the flow rate (speed) is reduced to one tenth (see chart).

115E, 215E - ELECTRIC

- 110/220 volts A/C and 115 volt A/C.
- Maximum pressure to 10,000 psi.
- Dump and 4-way valve models.
- Motor sizes from 1/2 to 1.5 hp.

105A, 205A - AIR

- 40 psi to 120 psi.
- Maximum pressure to 10,000 psi (30,000 psi for stud tensioner units).
- 2- and 4-way valve models.
- Motor sizes from 1/4 to 6 hp.

100H, 150H - MANUAL

- Foot-powered, single- and two-speed models available.
- Maximum pressure to 10,000 psi.
- Per stroke range .99 @ 200 psi to .662 @ 325 psi.



SpinTORQ

603A Power Unit – Super High-Speed Linear Displacement Double-Acting Plunger Pump

FEATURES:

- Driven by a 6-HP reciprocating air motor to provide 10-GPM maximum oil flow at “no load” and 4-GPM at 1,500 PSI.
- Maximum output pressure: 3,000 PSI
- Integrated control console:
 - Easy to reach and use controls
 - Pressure reducing valve for pressure (torque) control
 - Flow control valve for speed control
 - Air pilot operated 4-way valve for directional control
 - Glycerin-filled easy to read pressure gauge
- Inlet & outlet hydraulic ports for use with external hydraulic source in place of 603A hydraulic pump
- Pair of high flow hydraulic hoses: 25-ft. long, filled, tested and complete with quick disconnects
- Three-button remote control assembly: Set, Forward, Hold, and Reverse; with 25-ft. of hose
- Air inlet filter, regulator, lubricator assembly
- Air requirement: 150 CF M @100 PSI
- 2.5-Gallon hydraulic reservoir, complete with oil level and temperature gauge
- Spin-on 10-micron oil filter
- All mounted on a 2-wheel mobile hand truck for maximum portability



ST-CU Flow Control Unit – For Use with Rig or Shop Hydraulic Systems to Power SpinTORQ Wrenches

FEATURES:

- Integrated control console:
 - Pressure reducing valve for pressure (torque) control
 - Flow control valve for speed control
 - Air pilot operated 4-way valve for directional control
 - Glycerin-filled easy to read pressure gauge
- Inlet & outlet hydraulic ports for use with external hydraulic source
- Adjustable pressure (torque) control from 200 PSI to 3000 PSI
- Adjustable speed control from 2-GPM to 20-GPM
- Pair of High Flow Hydraulic Hoses: 25 ft. long, filled, tested and complete with quick disconnects
- Three-button remote control assembly: Set, Forward, Hold, and Reverse
- Provided with 25 ft. of hose
- Air requirement: 50 CFM @80 PSI to operate remote control
- Complete with hooks for positioning at job site



ThinLINE Wrench

610A Power Unit

For best speed and performance we recommend powering ThinLINE wrenches with an AutoTORQ Power Unit.

Model 610A (shown) operates up to ten times faster than traditional torque wrench power units.

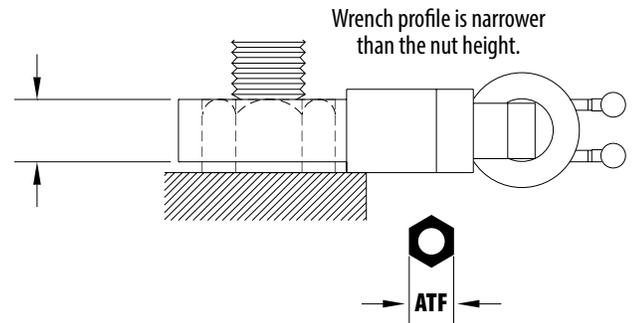
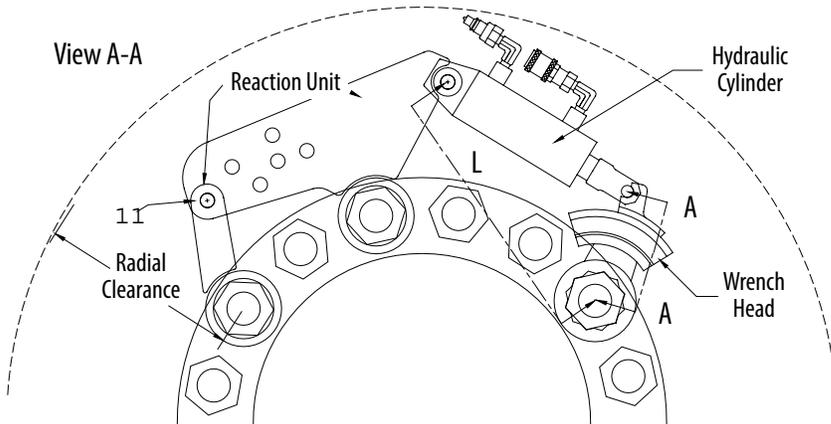
EXAMPLE SET:

Standard wrench sizes for model 200-6:

2-3/16" - 2-3/8" - 2-9/16"

2-3/4" - 2-15/16" - 3-1/8"

Each size includes a wrench head and reaction unit. All wrenches in this series use the 200-6 hydraulic cylinder.



Model	Color	Maximum Torque		Range of Bolt Sizes		Range of Nut Sizes - ATF		Radial Clearance	
		Ft. Lb. @ 5500 PSI	Nm @ 380 Bar	In	MM	In	MM	In	MM
150-4	Orange	3,240	4,406	3/4 - 1-1/4	19-32	1-1/4 - 2	32-51	9	228
200-6	Yellow	8,640	11,710	1-3/8 - 2	33-52	2-3/16 - 3-1/8	55-80	11	280
250-9	Green	20,250	27,450	1-7/8 - 3	48-85	2-5/16 - 4-5/8	75-120	14	365
325-12	Blue	41,840	56,730	2-3/4 - 3-1/2	70-89	4-1/2 - 5-3/8	110-135	20	500
325-18	Black	68,440	92,790	3-1/2 - 4 1/4	89-108	5-3/8 - 6-1/2	135-165	25	685
400-24	Black	138,230	187,410	4 - 5 1/4	102-133	6-1/8 - 8	135-210	30	762



AutoTORQ Power Units

Power Units for Torque Wrenches

Speed

FASTORQ® Power Units offer more speed, power and durability than any other power unit in the industry.

Accuracy and Ease

Set the torque and with the touch of a button, FASTORQ® Power Units power the torque wrench to the desired level.

Versatility

All FASTORQ® Power Units provide power and control to a complete range of hydraulic torque wrenches, from 150 to 150,000 ft./lbs.

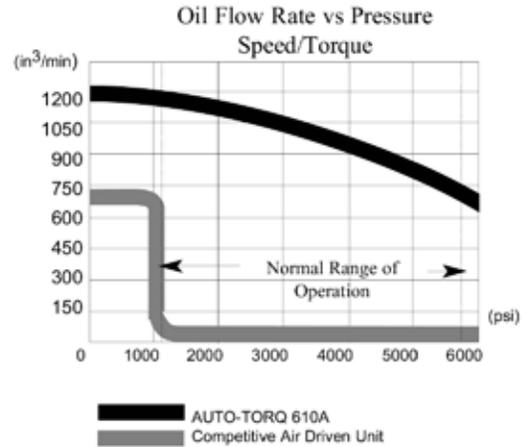
Reliability

Every power unit is fully tested by FASTORQ® technicians and is delivered ready for operation complete with the necessary hoses, controllers and quick disconnects.

The Difference

Competitive power units utilize 2-stage pumps. The first stage provides a high flow rate (speed) up to 1,000 psi (10% of torque capacity). When the torque requirement exceeds 10% (1,000 psi), the second stage takes over and the flow rate (speed) is reduced to one tenth (see chart).

For example, at full pressure the AutoTORQ 610A unit generates 650 cubic inches per minute (in.3/min.) creating enough output to operate a torquing tool nearly 1000% faster than competitive power units, at the same pressure (torque). When low flow rate (lack of speed) at higher pressures limits your productivity, FASTORQ® AutoTORQ power units are the answer.



The AutoTORQ power units maintain higher speeds all across the torque range. The competitive pump delivers high speed at 10% of torque then drops to one-tenth of the AutoTORQ speed and stays there across the torque range.

Maximum oil flow rate allows the 610A to run up to 10 times faster for top torquing performance. Standard equipment includes spin-on 10 micron oil filter, air filter/regulator/lubricator, liquid-filled stainless steel hydraulic pressure gauge, sight gauge for easy oil level and temperature control, 25 ft. remote control hoses and 25 ft. oil-filled hydraulic hoses with quick disconnect fittings and safety locks. The 610A is mounted on a two-wheeled cart for portability.

FASTORQ Model 610A Power Unit provides 10,000 psi operation.



AutoTORQ 10K Power Unit

MODEL 610A

Super high-speed hydraulic torque wrench pump suited for demanding turnaround and shutdown maintenance operations.

Features:

- 6 HP Air Motor
- Positive displacement reciprocating fluid end
- 10,000 psi Operation
- CIM Flow Data: 550 @ 0 psi; 380 @ 5,000 psi; & 150 @10,000 psi
- Precision Valve for torque and pressure control adjustment
- Glycerin filled easy to read pressure gauge
- Air Inlet filter, regulator, lubricator assembly
- 3-gallon hydraulic reservoir
- Spin-On 10-micron oil filter
- Oil Gauge
- Temperature Gauge
- Self Cooled
- Low maintenance
- Rugged
- Hand held 2-button remote control pendant with 25' color-coded lines
- All mounted on a 2-wheel mobile hand truck for maximum portability
- Optionally available mounted in a ridged steel frame
- Optionally available with 4 hydraulic ports for the simultaneous operation of up to 4 torque wrenches

Safety Features:

- If the button of the remote control is released or the remote control is dropped, the pump and torque wrench will come to an immediate stop
- Equipped with twin air exhaust valves

Air Requirement:

- Requires 150 cfm air volume @ 100 psi for optimum performance



Model 610A High Speed Pump



Power Unit HTP-2000

Reduces Tensioning Time By Up To 50%

Model Number	HTP2000
Type	Air
Requirement	75cfm @100psi
Maximum Pressure (psi)	30,000psi
Oil Delivery (Cubic Inches/Min.) @ No Load @Full Pressure Per Stroke ci	32 16 .123
Motor Size (Hp)	1.5
Air Piston Diameter	7"
Stroke	2.5"
Hydraulic Piston Diameter	.25"
Reservoir Capacity (Gallons)	2.5
Dimensions (Inches) Length Width Height Weight (With Oil) Lbs.	19.5 19.5 19.5 120
Valve Type	Manual



Features:

HTP-2000 dual hydraulic power unit, air operated, complete with air driven vacuum return pump.

Includes: filter, regulator, lubricator, 30,000 psi gauge, 2.5 gallon reservoir, pressure control needle valve and features an air driven vacuum return pump.

All contained in a rugged stainless steel tubular frame for maximum component protection.

For use with all variable, fixed and multiple tensioner systems.



Power Unit HTP-1000

Reduces Tensioning Time By Up To 50%

Model Number	HTP2000
Type	Air
Requirement	75cfm @100psi
Maximum Pressure (psi)	30,000psi
Oil Delivery (Cubic Inches/Min.) @ No Load @Full Pressure Per Stroke ci	32 16 .123
Motor Size (Hp)	1.5
Air Piston Diameter	7"
Stroke	2.5"
Hydraulic Piston Diameter	.25"
Reservoir Capacity (Gallons)	2.5
Dimensions (Inches) Length Width Height Weight (With Oil) Lbs.	19.5 19.5 19.5 120
Valve Type	Manual



Features:

HTP-1000 dual hydraulic power unit, air operated.

Includes: filter, regulator, lubricator, 30,000 psi gauge, 2.5 gallon reservoir and pressure control needle valve.

All contained in a rugged stainless steel tubular frame for maximum component protection.

For use with all variable, fixed and multiple tensioner systems.

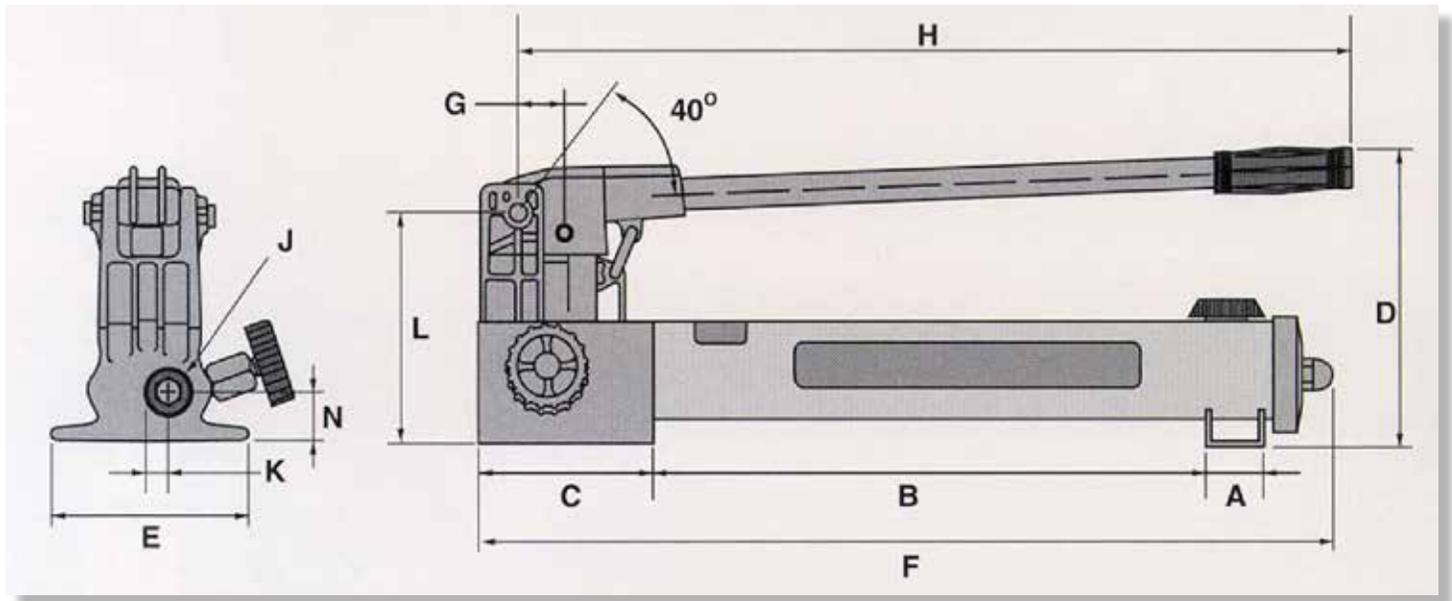


Hand Power Unit HTP-40H

- 40,000 PSI Pressure Capability – for specialized ultra high pressure applications
- Two-Speed Operation – reduces cycle time for increased productivity
- Durable Glass Filled Nylon Reservoir and Encapsulated Pump Head – resists corrosion
- Large Release Valve – better control of pressure release

Shipped with 30,000 PSI Pressure Gauge and Fittings

New two-speed operation and pumping chamber design make it fast and easy to use, while reducing handle effort at 40,000 PSI.



DIMENSION CHART INCHES (Metric)

Model Number	A	B	C	D	E	F	G	H	J	K	L	N
HTP – 40H	1.4 (35,5)	13.6 (345)	5.25 (133)	9.00 (229)	4.74 (120)	22.00 (559)	1.16 (29.5)	20.75 (527)	3/4 - 16 CONE PORT	0.49 (12.4)	5.49 (139)	1.24 (31,5)

SELECTION CHART

Model Number	Pump Speed	Max. Pressure Rating*	Oil Volume Per Stroke	Reservoir Capacity	Piston Diameter	Piston Stroke	Weight
HTP – 40H	2 Speed	1 st Stage – 200 PSI	.99 in ³	60 in ³ (.983L)	1.123 in	1.00 in.	14 lbs.
		2 nd Stage – 40,000 PSI	.037 in ³		.218 in		

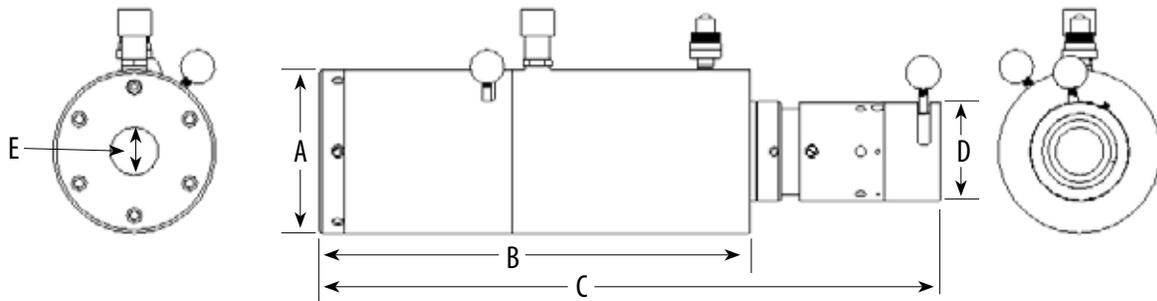
Note: Pump is not equipped with an internal relief valve. A pressure gauge must be used to prevent over-pressurization.



ZipPULLER Subsea Hydraulic Flange Puller



Technical Specifications



Model		A	B	C	D	E	Stroke	Weight	Pull Capacity
FP3006Z104	Imperial	4.75"	18.00"	25.00"	2.65"	1.30"	6.00"	65 Lb	30 Ton
	Metric	12.06 cm	45.72 cm	63.50 cm	6.71 cm	3.30 cm	15.24 cm	29.5 Kg	
FP6005Z114	Imperial	6.50"	17.25"	25.0"	4.00"	2.00"	5.00"	100 Lb	60 Ton
	Metric	16.51 cm	43.81 cm	63.50 cm	10.16 cm	5.08 cm	12.7 cm	45.3 Kg	

Power Units

ZipPULLER Subsea Flange Pullers can be operated with portable, hydraulic 10,000 psi power units.

FASTORQ® Air Model 205A or Electric Model 215E will provide an ideal combination of pressure and flow.

Standard equipment includes filter, regulator, lubricator, fittings and safety locks on quick disconnects, pressure gauge, remote controlled hoses and hydraulic hoses.



Air Model 205A



Electric Model 215E

