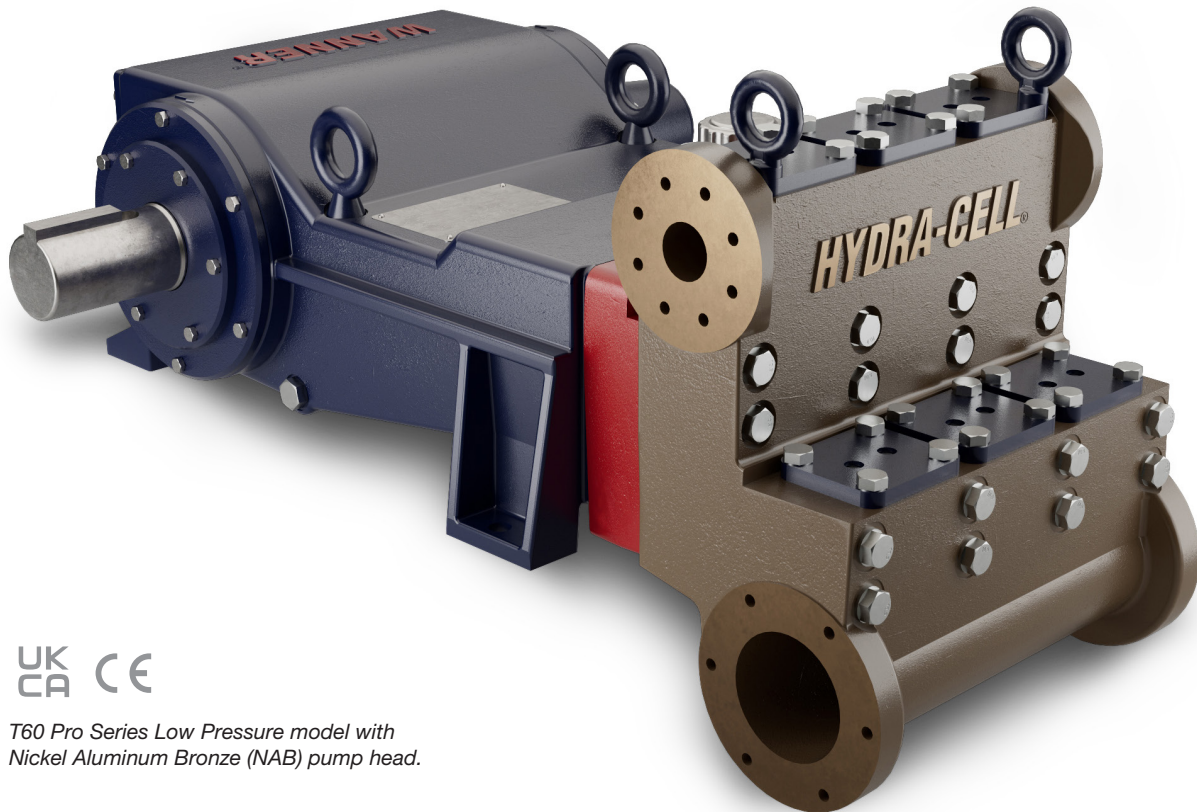


T60 PRO SERIES LOW PRESSURE

Maximum Flow Rate: 93 gpm (354 l/min) 3209 BPD
Maximum Pressure: 1250 psi (86 bar)

WANNER™ HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



UK
CA CE

*T60 Pro Series Low Pressure model with
Nickel Aluminum Bronze (NAB) pump head.*

A higher standard of pump performance and energy efficiency.

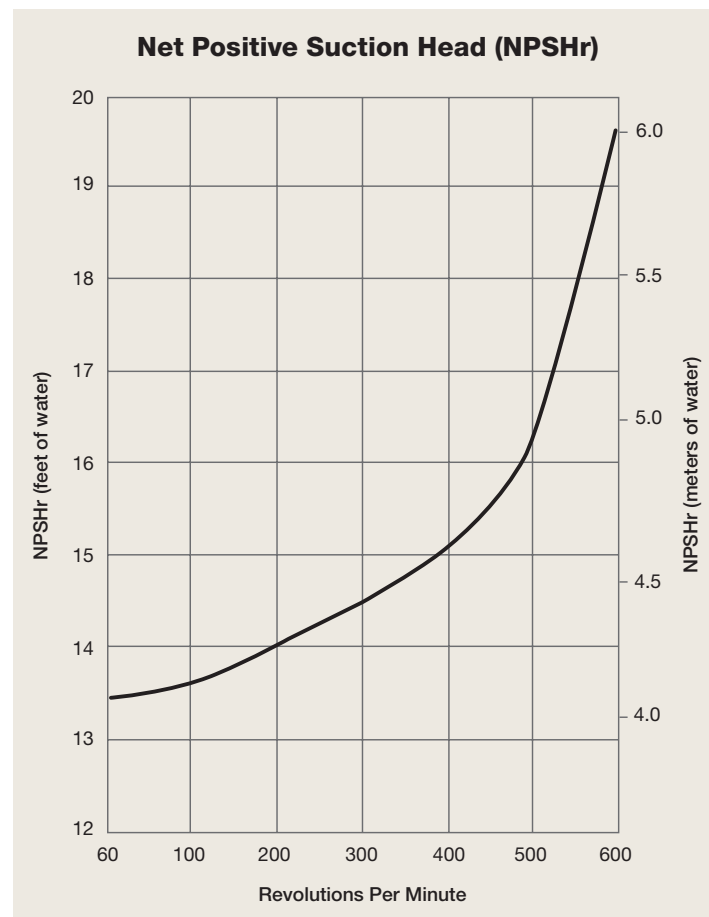
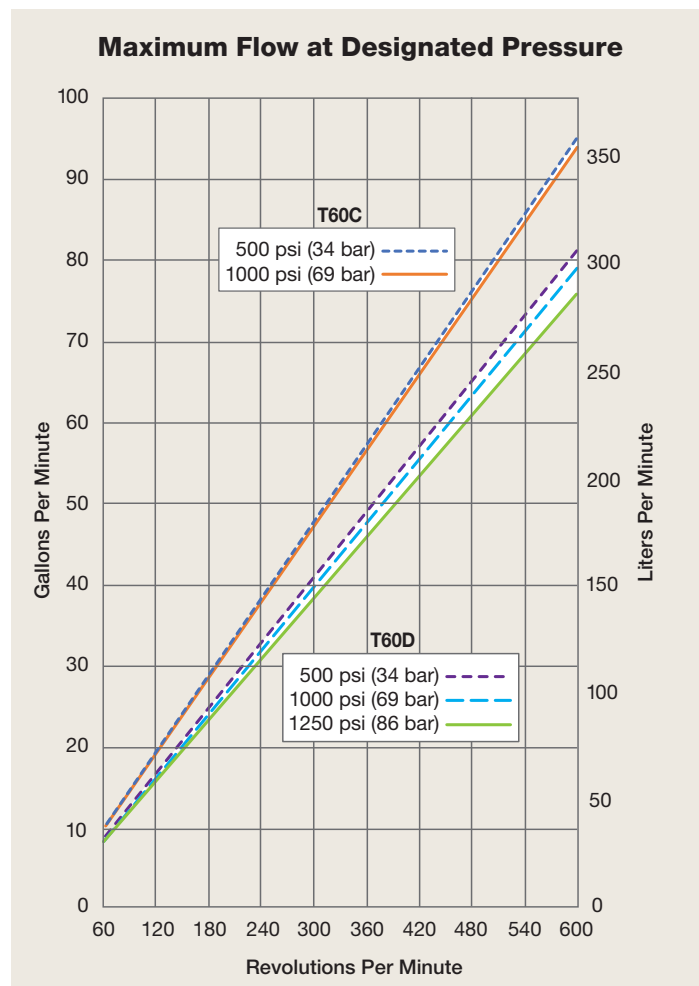
- Integrates **Wanner Hydra-Cell® Pro** seal-less pump technologies for the highest levels of volumetric and energy efficiencies across a full rpm range.
- Patented ADPC (Advanced Diaphragm Position Control) and hydraulic oil management system protect diaphragms under closed or restricted inlet conditions.
- Can run dry indefinitely without damage to the pump.
- Pumped fluid is 100% contained – zero environmental impact, no ground contamination, no volatile emissions.
- Seal-less design eliminates leaks, hazards, and the expense associated with seals and plunger packing.
- Exceeds API 675 standards for accuracy, linearity, and repeatability.
- Reliably handles a wide range of viscosities and shear sensitivities, corrosive fluids, abrasives, slurries and particulates.
- Reduced ownership costs – acquisition, operation, service, maintenance and energy use.

T60 Pro Low Pressure | Performance

Capacities

Model	Max. Input rpm	Plunger Dia. inches mm		Max. Flow Capacities gpm l/min BPD			Max. Pressure Ratings			
							Discharge		Inlet	
							psi	bar	psi	bar
T60C	600	2.3	58.42	93	354	3209	1000	69	500	34
T60D	600	2.1	53.34	74	282	2554	1250	86	500	34

Consult factory when operating below 45 rpm



Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

T60 Pro Low Pressure | Specifications

Flow Capacities

Model	Pressure psi (bar)	rpm	gpm	l/min	BPD
T60C	1000 (69)	600	93	354	3209
T60D	1250 (86)	600	74	282	2554

Delivery

	Pressure psi (bar)	gal/rev	liters/rev
T60C	500 (34)	0.158	0.598
	1000 (69)	0.156	0.590
T60D	500 (34)	0.135	0.511
	1000 (69)	0.131	0.496
	1250 (86)	0.126	0.477

rpm

Maximum:	600
Minimum:	60

Consult factory for speeds less than 60 rpm.

Maximum Discharge Pressure

Metallic Heads:	T60C	1000 psi (69 bar)
	T60D	1250 psi (86 bar)

Maximum Inlet Pressure 500 psi (34 bar)

Operating Temperature

Maximum:	180°F (82.2°C)
Minimum:	40°F (4.4°C)

Consult factory for temperatures outside this range.

Maximum Solids Size 800 microns

Input Shaft Left or Right Side

Inlet Ports

Weld-On: 4 inch / SCH. 40
4 inch Class 300 RF ANSI Flange
4 inch NPT

Discharge Ports

Weld-On: 2 inch / SCH. 160
2 inch Class 2500 RTJ ANSI Flange
2 inch NPT

Plunger Stroke Length 3 inch (76.2 mm)

Shaft Diameter 3 inch (76.2 mm)

Shaft Rotation Uni-directional (See rotation arrow)

Oil Capacity 20.5 US quarts (19.4 liters) - oil level back cover

See page 5 for oil selection and specification

Pump Weight 873 lbs. (396 kg)

Fluid End Materials

Manifold:	Nickel Aluminum Bronze (NAB) 316L Stainless Steel CF3M
Diaphragm/Elastomers:	FKM Buna-N
Diaphragm Follower Screw:	316 Stainless Steel
Valve Spring Retainer:	316 SST
Check Valve Spring:	Elgiloy
Valve Disc/Seat:	17-4 Stainless Steel Nitronic 50

Power End Materials

Crankshaft:	Forged Q&T Alloy Steel
Connecting Rods:	Ductile Iron
Crossheads:	12L14 Steel
Crankcase:	Ductile Iron
Bearings:	Spherical Roller (main bearing) Steel Backed Babbit (crankpin) Bronze (wristpin)

Calculating Required Horsepower (kW)*

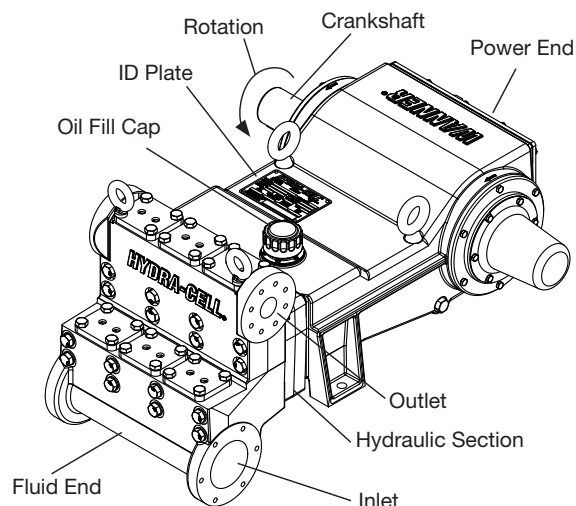
$$\frac{\text{gpm} \times \text{psi}}{1,460} = \text{electric motor hp}^*$$

$$\frac{\text{lpm} \times \text{bar}}{511} = \text{electric motor kW}^*$$

* hp (kW) is required application power.

Attention!

When sizing motors with variable speed drives (VFD): It is very important to select a motor and a VFD rated for constant torque inverter duty service and that the motor is rated to meet the torque requirements of the pump throughout desired speed range.

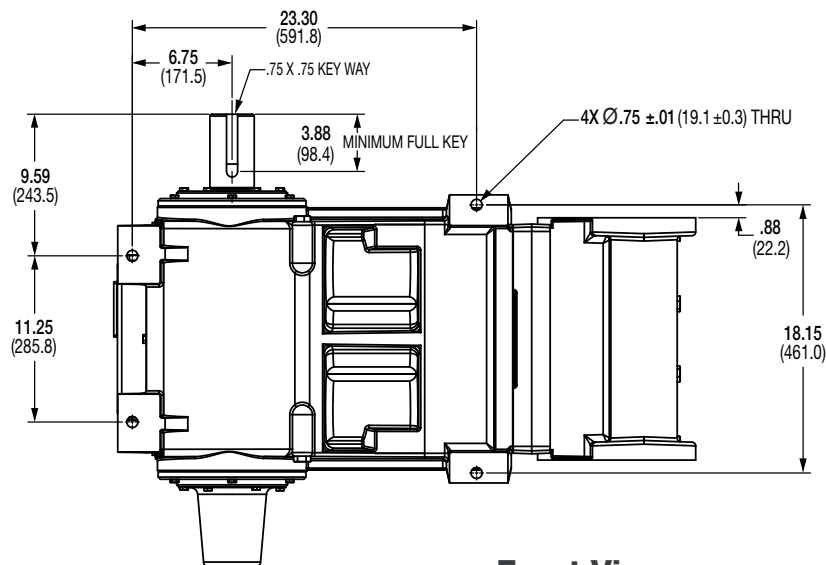


Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

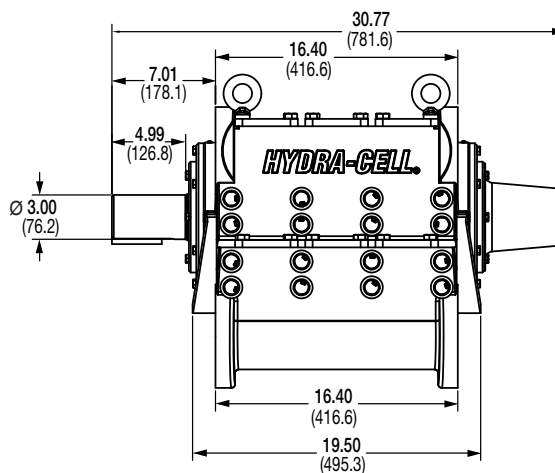
T60 Pro Low Pressure | Drawings

Flanged Version inches (mm)

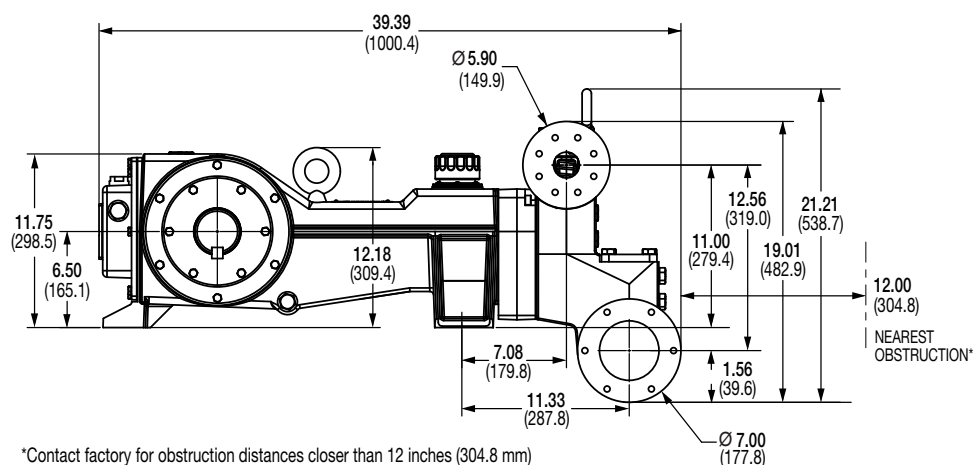
Bottom View



Front View



Side View



*Contact factory for obstruction distances closer than 12 inches (304.8 mm)

Note: Dimensions are for reference only. Contact factory for certified drawings.

T60 Pro Low Pressure | How to Order

Ordering Information

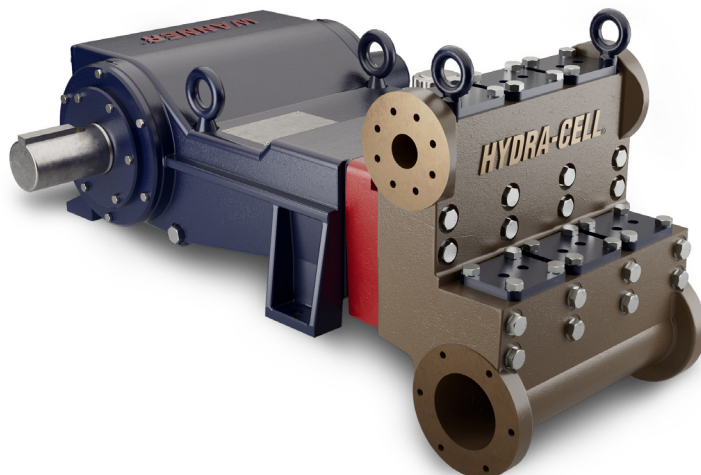
A complete T60 Pro Series Low Pressure Model Number contains 14 digits including 8 customer-specified design and materials options, for example: T060CADTHFESAC.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
T	0	6	0							E	S		

T60 Low Pressure

Digit	Order Code	Description
1-4	T060	Pump Configuration Shaft-driven
5	C D	Performance Max. 93 gpm (354 l/min) 3209 BPD @ 1000 psi (69 bar) Max. 74 gpm (282 l/min) 2554 BPD @ 1250 psi (86 bar)
6	A C D G	Pump Head Version NPT Ports (Steel) Weld-Neck (Steel) Weld-Neck (316L Stainless Steel) ANSI Flanged Ports (Duplex Alloy 2205 Stainless Steel)
7	D S	Pump Head Material Nickel Aluminum Bronze (NAB) 316L Stainless Steel CF3M
8	G T	Diaphragm & O-ring Material FKM Buna-N
9	H N	Valve Seat Material 17-4 Stainless Steel Nitronic 50
10	F N	Valve Material 17-4 Stainless Steel Nitronic 50
11	E	Valve Springs Elgiloy

Digit	Order Code	Description
12	S	Valve Spring Retainers 316 SST
13	A B H	Hydra-Oil 10W30 standard-duty oil 40-wt. oil 15W50 high-temp severe-duty synthetic oil
14	C O S T Y	Oil Level Monitor Cover Float switch, normally closed (recommended) Float switch, normally open Float switch, Class I, Div. 1, Groups A, B, C, D, normally closed Float switch, Class I, Div. 1, Groups A, B, C, D, normally open No switch



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