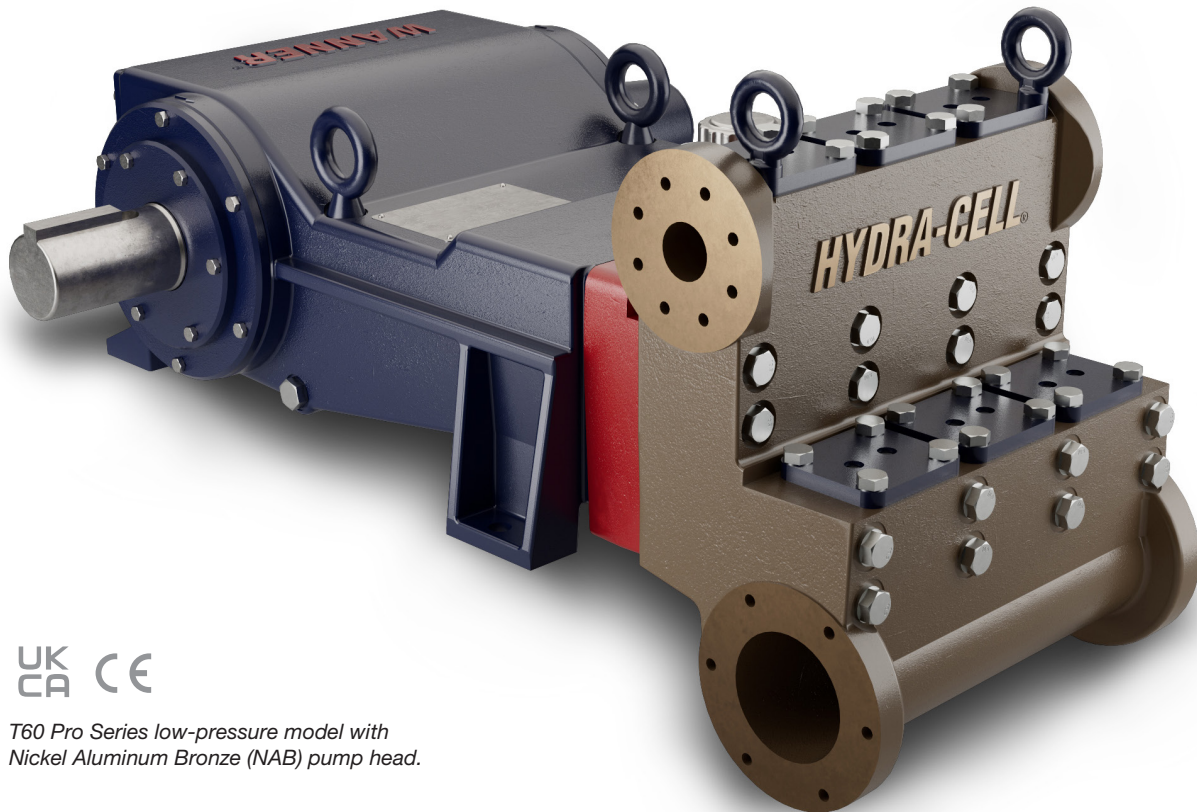


# T60 PRO SERIES LOW PRESSURE

Maximum Flow Rate: 93.6 gpm (354.2 l/min) 3209 BPD  
Maximum Pressure: 1000 psi (69 bar)

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 **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** sealless pump technologies for the highest levels of volumetric and energy efficiencies across a full rpm range.
- Sealless design, high-horsepower API 674 pumps that also exceed API 675 standards for accuracy, linearity and repeatability.
- No mechanical dynamic seals, packing, or cups to leak, wear or replace – reduces servicing requirements, costs, unscheduled maintenance and downtime.
- Pumped media is 100% contained – zero environmental impact, no ground contamination, no volatile emissions.
- True positive displacement pumping action achieves overall efficiency of >90%.
- 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.
- Valve set design and material options reliably handle a wide range of viscosities and shear sensitivities, plus corrosive liquids, abrasives, slurries and particulates.
- Reliable operation with expected 20+ year service life and minimal maintenance.
- Reduced ownership costs – acquisition, operation, service, maintenance and energy use.

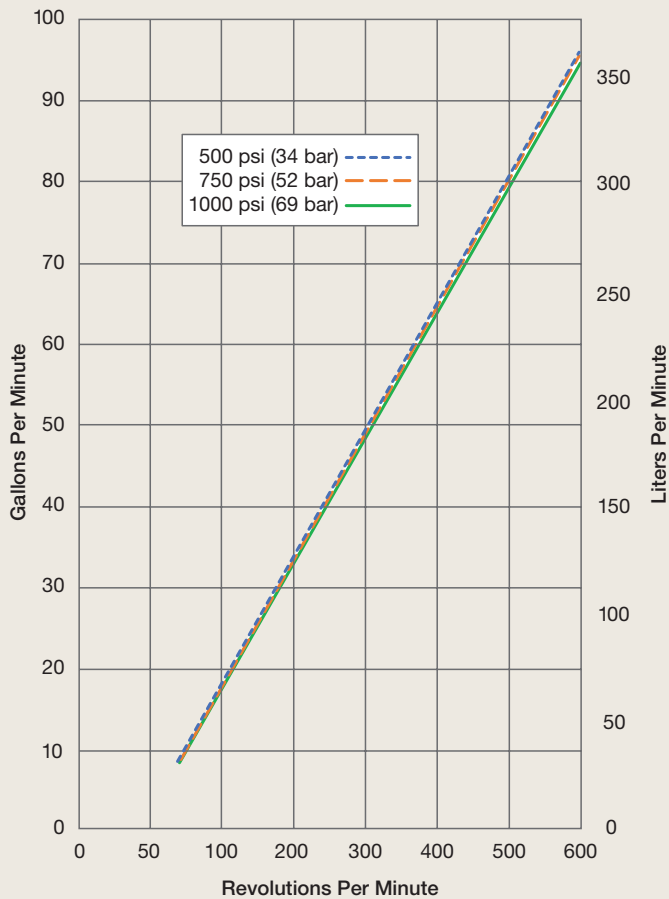
# T60 Pro Low Pressure | Performance

## Capacities

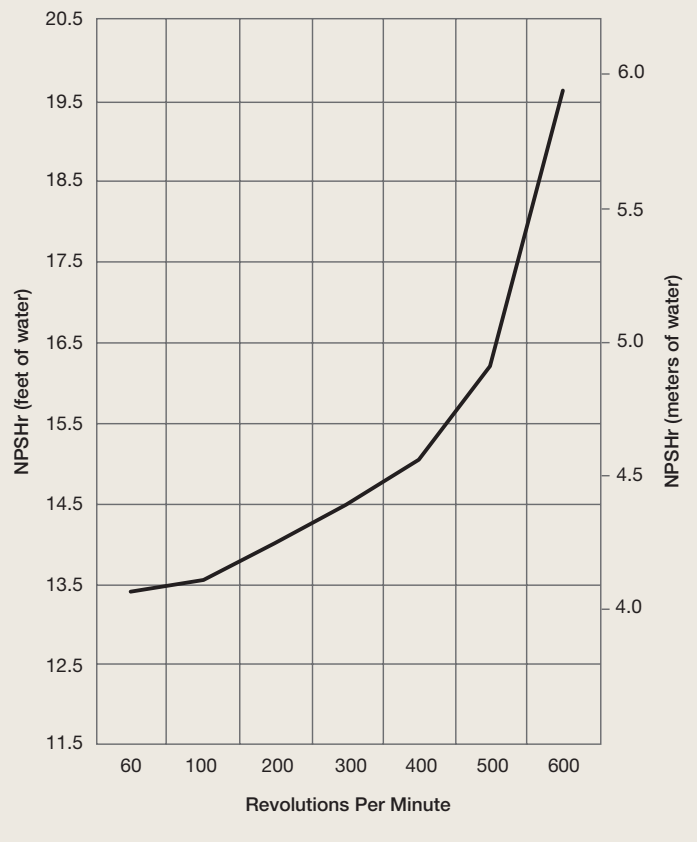
Model	Max. Input rpm	Plunger Dia.		Max. Flow Capacities			Max. Pressure Ratings			
		inches	mm	gpm	l/min	BPD	Discharge		Inlet	
				psi	bar		psi	bar	psi	bar
T60C	600	2.3	58.42	93.6	354.2	3209	1000	69	500	34

Consult factory when operating below 45 rpm

### Maximum Flow at Designated Pressure



### Net Positive Suction Head (NPSHr)



# T60 Pro Low Pressure | Specifications

## Flow Capacities

Model	Pressure psi (bar)	rpm	gpm	l/min	BPD
T60C	1000 (69)	600	93.6	354.2	3209

## Delivery

	Pressure psi (bar)	gal/rev	liters/rev
T60C	500 (34)	0.158	0.598
	1000 (69)	0.156	0.590

## rpm

Maximum:	600
Maximum API 674:	400
Minimum:	60

Consult factory for speeds less than 60 rpm.

## Maximum Discharge Pressure

Metallic Heads:	T60C	1000 psi (69 bar)
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## 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

## Weight

Metallic Heads: 873 lbs. (369 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/Journal (main) Steel Backed Babbit (crankpin) Bronze (wristpin)

## Calculating Required Horsepower (kW)\*

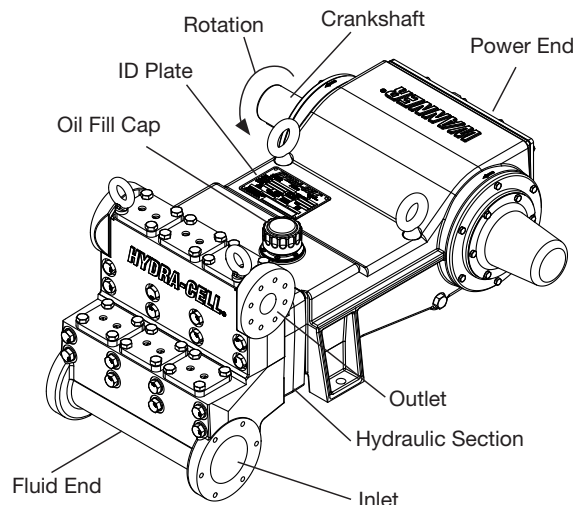
$$\frac{\text{gpm} \times \text{psi}}{1,460} = \text{electric motor hp}^*$$

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

\* 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.





# T60 Pro Low Pressure | How to Order

## Ordering Information

A complete T60 Pro Series Low Pressure Model Number contains 14 digits including 6 customer-specified design and materials options, for example: T060CRDGHFESAC.

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

## T60 Low Pressure

Digit	Order Code	Description
<b>1-4</b>		<b>Pump Configuration</b>
	T060	Shaft-driven
<b>5</b>		<b>Performance</b>
	C	Max. 91.5 gpm (344.5 l/min) 3130 BPD @ 1000 psi (69 bar)
<b>6</b>		<b>Pump Head Version</b>
	A	NPT Ports (Steel)
	C	Weld-Neck (Steel)
	D	Weld-Neck (316L Stainless Steel)
	G	ANSI Flanged Ports (Duplex Alloy 2205 Stainless Steel)
<b>7</b>		<b>Pump Head Material</b>
	D	Nickel Aluminum Bronze (NAB)
	S	316L Stainless Steel CF3M
<b>8</b>		<b>Diaphragm &amp; O-ring Material</b>
	G	FKM
	T	Buna-N
<b>9</b>		<b>Valve Seat Material</b>
	H	17-4 Stainless Steel
	N	Nitronic 50
<b>10</b>		<b>Valve Material</b>
	F	17-4 Stainless Steel
	N	Nitronic 50
<b>11</b>		<b>Valve Springs</b>
	E	Elgiloy
<b>12</b>		<b>Valve Spring Retainers</b>
	S	316 SST
<b>13</b>		<b>Hydra-Oil</b>
	A	10W30 standard-duty oil
<b>14</b>		<b>Oil Level Monitor Cover</b>
	C	Float switch, normally closed (recommended)
	O	Float switch, normally open
	Y	No switch

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