



TORNATECH

Project: _____

Customer: _____

Engineer: _____

Pump Manufacturer: _____

Technical Data Submittal Document

Model JPLT-B

Across the Line Start
Jockey Pump Controller

Contents:

Data Sheets

Dimensional Data

Wiring Schematics

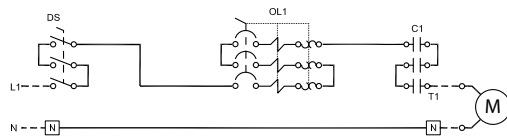
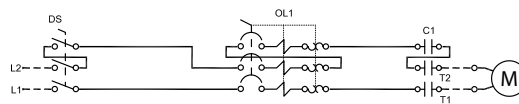
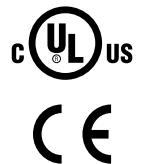
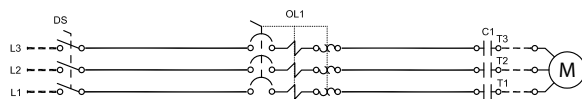
Field Connections

Note: The drawings included in this package are for controllers covered under our standard offering. Actual AS BUILT drawings may differ from what is shown in this package.



September 2026

Select Incoming Voltage

☐ **110-120V/1Phase**

☐ **200-240V/1Phase**

☐ **200-600V/3Phase**




Select voltage and power rating

Voltage	Select Voltage	HP	Select HP	kW	Select kW
120V/1ph/60Hz ¹	☐	0.25	☐	0.25	☐
200V/1ph/60Hz ²	☐	0.33	☐	0.37	☐
208V/1ph/60Hz ²	☐	0.5	☐	0.4	☐
220V/1ph/50-60Hz ²	☐	0.75	☐	0.55	☐
230V/1ph/50-60Hz ²	☐	1	☐	0.75	☐
240V/1ph/50-60Hz ²	☐	1.5	☐	1.1	☐
200V/3ph/50-60Hz ³	☐	2	☐	1.5	☐
208V/3ph/50-60Hz ³	☐	3	☐	2.2	☐
220V/3ph/50-60Hz ⁴	☐	4	☐	3	☐
230V/3ph/50-60Hz ⁴	☐	5	☐	3.7	☐
240V/3ph/50-60Hz ⁴	☐	7.5	☐	4	☐
380V/3ph/50-60Hz ⁵	☐	10	☐	5.5	☐
400V/3ph/50-60Hz ⁵	☐	15	☐	7.5	☐
415V/3ph/50-60Hz ⁵	☐	20	☐	11	☐
440V/3ph/60Hz ⁶	☐	25	☐	15	☐
460V/3ph/60Hz ⁶	☐			18.5	☐
480V/3ph/60Hz ⁶	☐				
600V/3ph/60Hz ⁷	☐				

- Notes: ¹ Maximum power rating is 5HP/3.7kW.
² Maximum power rating is 10HP/7.5kW.
³ Maximum power rating is 7.5HP/5.5kW.
⁴ Maximum power rating is 10HP/7.5kW.
⁵ Maximum power rating is 15HP/11kW.
⁶ Maximum power rating is 20HP/15kW.
⁷ Maximum power rating is 25HP/18.5kW.

Listing	Underwriters Laboratory (UL)	UL508A - Industrial Pump Controllers
	CE Mark	Various EN, IEC & CEE directives and standards
	Built in Canada or U.A.E	Built in Europe
	☐ CE Mark Option	Supplied as Standard
Enclosure	Protection Rating	
	Built in Canada or U.A.E	Built in Europe
	☐ Standard: NEMA 2	☐ Standard: IP55
	Optional	
	☐ NEMA 12	☐ NEMA 4X-304 sst painted / IP66
	☐ NEMA 3	☐ NEMA 4X-304 sst brushed finish / IP66
	☐ NEMA 3R	☐ NEMA 4X-316 sst painted / IP66
	☐ NEMA 4 / IP65	☐ NEMA 4X-316 sst brushed finish / IP66
Accessories		Paint Specifications
• Wall mounting lugs (x4)		• Red RAL3002 • Powder coating • Glossy textured finish



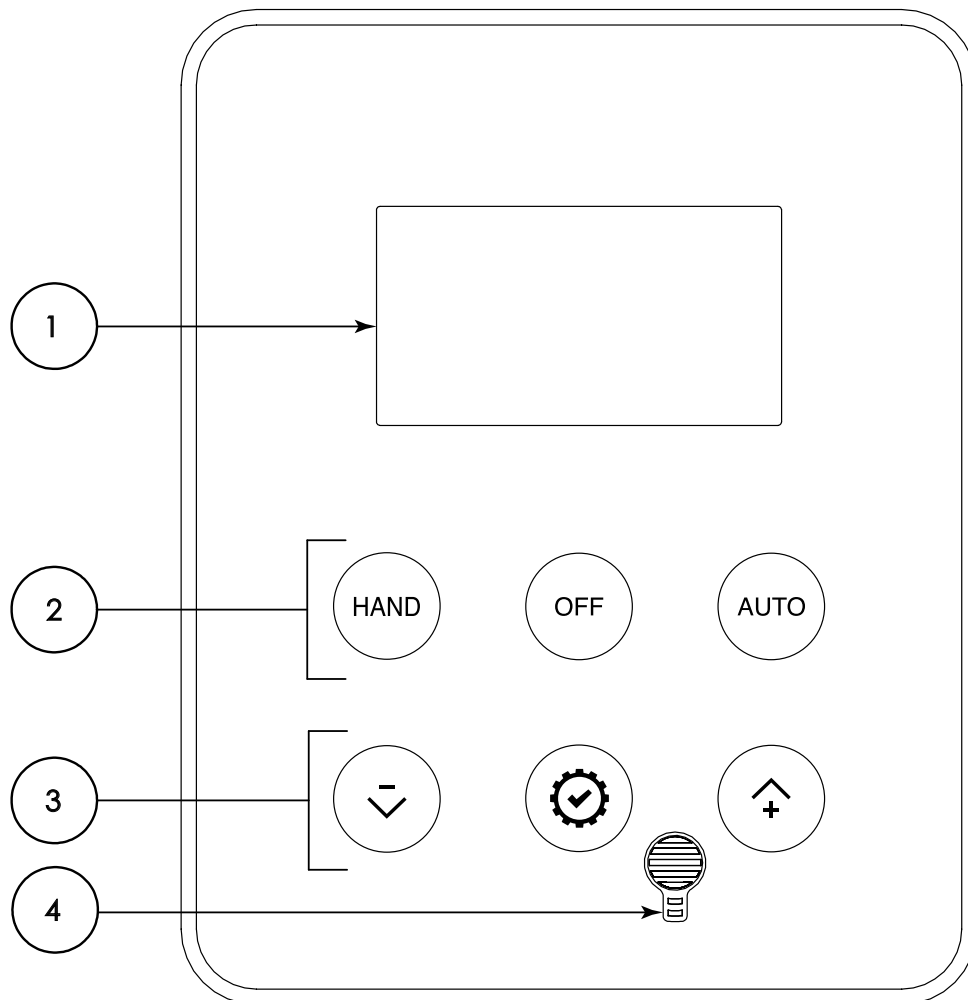
Fuseless Motor Starter	• Main disconnect - padlockable - rotary type handle - door interlocked • Thermo-magnetic motor protector • Contactor		
Control Circuit	• 24V.AC		
ViZiLT Operator Interface	• High luminosity alphanumeric digital display • HAND-OFF-AUTO pushbuttons • MENU navigation pushbuttons		
Pressure Sensing	• Pressure transducer for fresh water application • Rated for 0-600psi working pressure • Pressure sensing line connection 1/2" brass Male NPT		
Visual Indications	• H-O-A position • System pressure • Cut-out and Cut-In pressure setting • Manual motor run • Automatic motor run • Motor overload (occured) • Pump start counter • Elapsed time meter (hours / non-resettable)		
Timers	• Minimum run timer (off delay) • Delay start timer (on delay) • Visual countdown		
Counters	• Pump start counter • Elapsed timer meter (hours / non-resettable)		
Operators	• Main disconnect handle • HAND-OFF-AUTO pushbuttons • MENU navigation pushbuttons		
Operation	Automatic Start	Start on pressure drop	
	Manual Start	Start pushbutton	
	Stopping	Stop pushbutton	
	Timers	Field adjustable & visual countdown	• Minimum run timer (off delay) • Delay start timer (on delay)
Audible Alarm	Alarm buzzer - 85dB at 3 meters (10ft)		

☐ A5	Motor run alarm contact
☐ A6	Loss of power alarm contact
☐ A7	Overload or short circuit alarm contact
☐ D11D	Pressure transducer 0-600psi with ½" MNPT 316 stainless steel bushing
☐ D13A	Externally mounted wetted parts
☐ D19	Anti-condensation heater and thermostat
☐ D20	Anti-condensation heater and humidistat
☐ D21	Tropicalization
☐ D22	Phase reversal / failure pilot light and alarm contact
☐ D23	Controller power healthy pilot light and alarm contact
☐ D24	Pump failure via current sensing relay with pilot light and dry alarm contact
☐ D25	Low zone pump control function
☐ D26	Mid zone pump control function
☐ D27	High zone pump control function
☐ D28	Controller in AUTO alarm contacts
☐ D29	Controller not in AUTO alarm contacts
☐ D30	Motor heater circuit

☐ L01	Other language and English (bilingual)
☐ L02	French
☐ L03	Spanish
☐ L04	German
☐ L05	Italian
☐ L06	Polish
☐ L07	Romanian
☐ L08	Hungarian
☐ L09	Slovakian
☐ L10	Croatian
☐ L11	Czech
☐ L12	Portuguese
☐ L13	Dutch
☐ L15	Turkish
☐ L16	Swedish
☐ L21	Danish
☐ L28	Finnish
☐ L29	Norwegian

Note: For language options, see language of documentation page

ViZiLT Operator Interface



- 1 - High luminosity alphanumeric digital display
- 2 - HAND-OFF-AUTO pushbuttons
- 3 - MENU navigation pushbuttons
- 4 - Audible Alarm



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BY DD/MM/YY

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FINAL APPROVAL FC 26/11/25

JOCKEY PUMP CONTROLLER

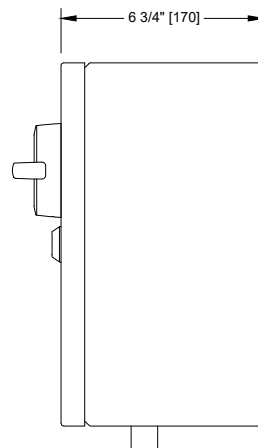
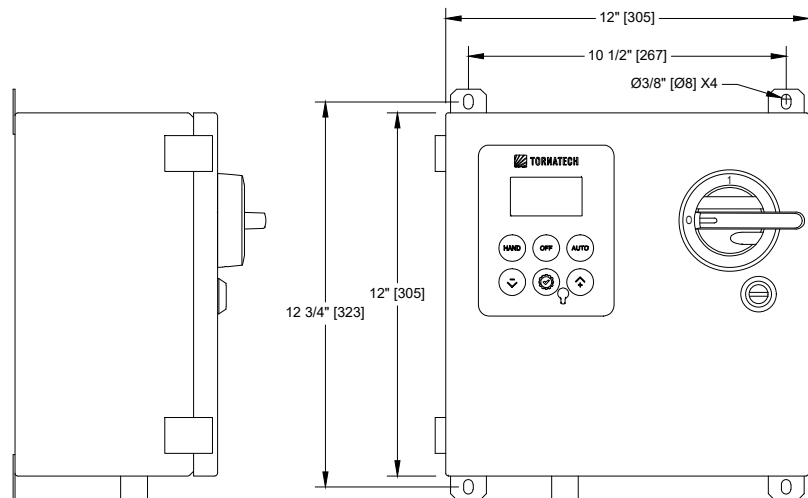
MODEL: JPLTB

BUILT TO THE LATEST EDITION OF THE UL 508A

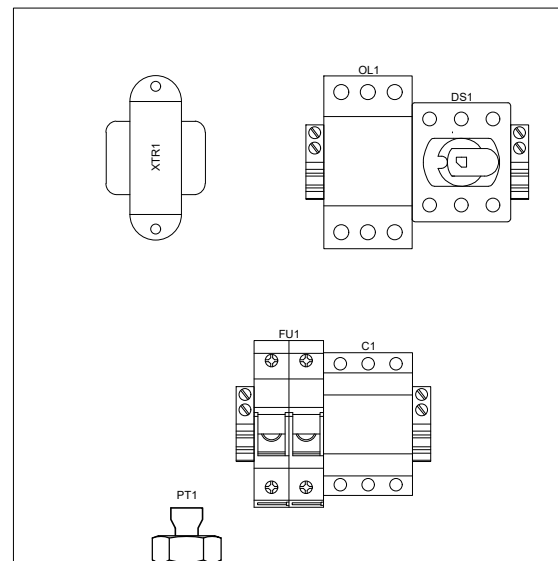
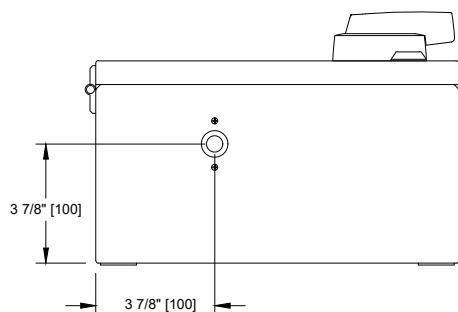


THIRD ANGLE
PROJECTION

DRAWING NUMBER
JPLTB-DI001/E
DWG REV. 0
SHEET 1 OF 1



--- Sensing Line Connection 1/2 " M.NPT



Standard Internal Layout

Voltage / Power Table

Voltage	Max HP
1 Phase	
110 - 120	2
200 - 208	5
220 - 240	5
3 Phases	
200 - 208	7.5
220 - 240	10
380 - 400 - 415	15
440 - 480	20
600	25

Voltage / Power Table

Voltage	Max KW
1 Phase	
110 - 120	1.1
200 - 208	3
220 - 240	3
3 Phases	
200 - 208	5.5
220 - 240	7.5
380 - 400 - 415	15
440 - 480	18.5
600	22

Notes:

- Standard: Type 2 (IP55)
- Standard Paint: Textured Red RAL 3002.
- All Dimensions are in Inches [Millimeters]
- Use Watertight Conduit and Connector Only.
- Protect Equipment Against Drilling Chips.
- Door Swing Equal to Door Width

Drawing for information only.

Manufacturer reserves the right to modify this drawing without notice.

Contact manufacturer for "As Built" drawing.

*Dimensions may change depending on option required. Consult Factory for exact dimensions.

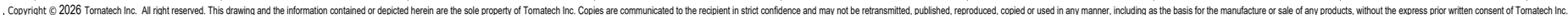


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FINAL APPROVAL	FC	26/11/25

MODEL: JPLTB

DRAWING NUMBER	JPLTB-WS002/E
DWG REV. 1	
SHEET 1 OF 1	





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JOCKEY PUMP CONTROLLER ACROSS THE LINE / 1 PHASE

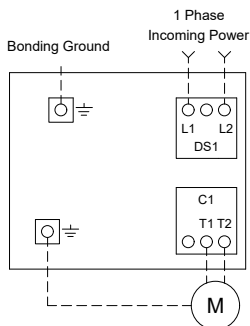
MODEL: JPLTB

BUILT TO THE LATEST EDITION OF THE UL 508A



DRAWING NUMBER
JPLTB-TD002/E
DWG REV. 0
SHEET 1 OF 1

Power Connections and Motor Connections



Line Terminals (L1,L2,GND)

Maximum Motor Horsepower & KW		Wire Size Copper Only	Torque	Wire Size Ground Copper Only
200-208V	220-240V			
5HP 3KW	5HP 3KW	#14 AWG - #8 AWG 2.5 mm ² - 10 mm ²	2.5 Nm	#14 AWG - #2 AWG 2.5 mm ² - 35 mm ²

Motor Terminals (T1,T2,GND)

Maximum Motor Horsepower & KW		Wire Size Copper Only	Torque	Wire Size Ground Copper Only
200-208V	220-240V			
1.5HP 1.1KW	1.5HP 1.1KW	#14 AWG - #10 AWG 2.5 mm ² - 6 mm ²	1.7 Nm	#14 AWG - #2 AWG 2.5 mm ² - 35 mm ²
5HP 3KW	5HP 3KW	#14 AWG - #8 AWG 2.5 mm ² - 10 mm ²	2.5 Nm	#12 AWG - #2 AWG 4 mm ² - 35 mm ²