

BUCHER
hydraulics

T-Series - Hydraulic Power Units



Part No. [51060550015](#)

Overview

T-Series hydraulic power units have a three-phase AC motor and a P&T base manifold ready to accept up to 3 D03 valves using our stack-on adapters. It can deliver flow rates from 2 to 6.8 gallons per minute (GPM) and pressures from 1500 to 3000 psi.

Features

- 60Hz 3 Phase, AC Power
- 1800 Nominal RPM
- Vertical mounting orientation
- Manifold: #10 SAE, 7/8-14 pressure and return port size. Base manifold ready for up to (3) D03 valve adapters and valves
- Spin-on type oil filter, 7 micron, with visual by-pass indicator

Bucher T-Series - Hydraulic Power Unit Specifications

Part No.	51060550015	51060550016	51060550017	51060570014	51060620047	51060630034	51060630035
Model Number	T55B305MA1RF-01	T55B355RA1SF-01	T55B405RA1SF-01	T57C355RA1SF-01	T62C455DA1FF-01	T63D405CA1FF-01	T63D455DA1FF-01
Price	\$2,226.00	\$2,430.00	\$2,446.00	\$2,516.00	\$3,125.00	\$2,725.00	\$3,220.00
Manual Link	PDF						
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF
HP (horsepower)	2	3	5	3	7.5	5	7.5
Motor Frame	56C	182/4 TC			213/5 TC	182/4 TC	213/5 TC
Voltage	230/460 VAC						
Full Load Amps	5.72 / 2.86	7.62 / 3.81	12.4 / 6.18	7.62 / 3.81	17.7 / 8.86	12.4 / 6.18	17.7 / 8.86
Maximum Pressure (psi)	1500	2200	3000	1500	3000	2000	3000
Nominal Flow (GPM)	2			3		3.8	3.8
Reservoir Capacity / Usable (gallons)	10 / 5.2			15 / 9.8		20 / 12	

T-Series - Hydraulic Power Units

Continued

Bucher T-Series - Hydraulic Power Unit Specifications Continued					
Part No.	<u>51060640071</u>	<u>51060640072</u>	<u>51060640073</u>	<u>51060650030</u>	<u>51060650031</u>
Model Number	T64E405CA1FF-01	T64E455DA1FF-01	T64E505DA1FF-01	T65E455DA1FF-01	T65E505DA1FF-01
Price	\$2,807.00	\$3,302.00	\$3,469.00	\$3,315.00	\$3,482.00
Manual Link	<u>PDF</u>				
Drawing Link	<u>PDF</u>	<u>PDF</u>	<u>PDF</u>	<u>PDF</u>	<u>PDF</u>
HP (horsepower)	5	7.5	10	7.5	10
Motor Frame	182/4 TC	213/5 TC			
Voltage	230/460 VAC				
Full Load Amps	12.4 / 6.18	17.7 / 8.86	23.9 / 12.0	17.7 / 8.86	23.9 / 12.0
Maximum Pressure (psi)	1500	2200	3000	1600	2100
Nominal Flow (GPM)	5			6.8	
Reservoir Capacity / Usable (gallons)	30 / 22				

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Hydraulic Power Units - Overview

Bucher Hydraulics is a respected manufacturer that has been producing hydraulic components for 100 years. The M-series and T-series power units in this catalog are produced in Canada. All units include a welded steel reservoir, TEFC motor and spin-on filter.

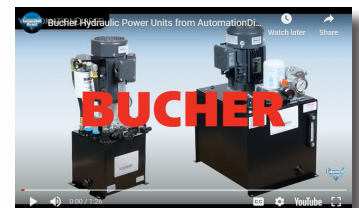
Features

- Totally enclosed fan cooled Premium Efficiency electric motor, rated for 60 Hz. 3-phase motors will also work at some 50 Hz voltages.
- Powder coated reservoir plumbed for vertical mounting
- Adjustable Safety Relief valve preset at factory
- Hydraulic connections:
 - T-Series: Aluminum adaptable base manifold with SAE 10, P & T ports
 - M-Series: Aluminum D03 manifold with SAE #6 A&B ports with included 4-Way/3-Position D03 Tandem Center valve
- Suction strainer at pump inlet
- Return line spin-on type filter with visual by-pass indicator
- Bayonet style filler / breather assembly with strainer basket (T-Series)
- Threaded style filler / breather assembly with dipstick (M-Series)
- Sight / level / temperature gauge (T-Series only)
- Liquid filled pressure gauge with isolator
- Two extra 1" NPT couplings through top of reservoir for electrical sensors should you need remote live data of level or temperature
- 3/4" NPT drain port on lower front / side of reservoir

Applications

- Industrial Presses and Processes
- CNC Machinery – Manufacturing
- Rollforming Equipment
- Material Lifts
- Automotive Lifts / Motorcycle Lifts
- Factory Automation
- Elevators
- Scissor Lifts & Platforms
- Material Handling Equipment
- Hydraulic Door Systems
- Positioning Equipment

Parts and Accessories



Click on the thumbnail or go to <https://www.automationdirect.com/VID-HY-0002> for a short video on Bucher Hydraulic Power Units.

Bucher T-Series Valve Mounting Accessories

Hydraulic Power Unit Accessories

Mounting accessories include directional valve adapters to allow mounting of D03 valves to the T5 and T6 series units and D05 valves to the Hi-Lo unit.



Part No. [510204910200](#)



Part No. [51020070044](#)

Bucher T-Series Valve Mounting Accessories

Part No.	Description	Weight (lbs)	Drawing Link	Price
510204910200*	Bucher valve adapter, for use with D03 series valves and T5x and T6x power units.	2.55	PDF	\$109.00
51020070043	Bucher mounting bolts, for use with 1 D03 series valve adapter and T5x and T6x power units.	0.20	N/A	\$7.25
51020070044	Bucher mounting bolts, for use with 2 D03 series valve adapters and T5x and T6x power units.	0.30	N/A	\$32.50
51020070045	Bucher mounting bolts, for use with 3 D03 series valve adapters and T5x and T6x power units.	0.45	N/A	\$43.50
51024491146	Bucher valve adapter, for use with D05 series valves and T9x power unit.	3.15	N/A	\$164.00
51020070047	Bucher mounting bolts, for use with 1 D05 series valve adapter and T9x power unit.	0.20	N/A	\$9.00

** No more than (3) of the valve adapters are recommended to stack on the base manifold.

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Hydraulic Power Unit Accessories

Overview

Bucher HPU Accessories include coils, replacement fluid filters, and unloader valve. The unloader valve [51020850999](#) is required to be installed in the manifold when using center closed or center float control valves. Refer to the manual for installation instructions.



Part No. [51020850999](#)



Part No. [51020191424](#)



Part No. [51020321165](#)

Bucher Hydraulic Power Unit Accessories					
Part No.	Description	Weight (lbs)	Drawing Link	Insert Link	Price
51020850999	Bucher unloader valve, 2-port (2-way), 2-position, normally open, single solenoid spring return.	0.35	PDF	N/A	\$128.00
51020191424	Bucher solenoid coil, replacement, 24 VDC, 22W, DIN 43650 connector. For use with Bucher solenoid valve 51020850999.	0.85	PDF	N/A	\$76.00
51020191422	Bucher solenoid coil, replacement, 120 VAC, 22W, DIN 43650 connector. For use with Bucher solenoid valve 51020850999.	0.80	PDF	N/A	\$83.00
51020321016	Bucher filter, hydraulic fluid, replacement, 10 micron, spin-on. For use with M-Series hydraulic power units.	1.35	N/A	N/A	\$44.50
500203226596	Bucher filter, hydraulic fluid, replacement, 7 micron, spin-on. For use with T5x and T6x series hydraulic power units.	1.40	N/A	N/A	\$60.00
51020321165	Bucher filter, hydraulic fluid, replacement, 10 micron, spin-on. For use with T9x series hydraulic power units.	2.50	N/A	N/A	\$80.00

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

Note: Power A.C. Coils incorporate integrally molded full wave rectifiers.

A.C. Coils are rated 50/60 HZ.

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Hydraulic Power Unit Heat Exchangers

Overview

These heat exchangers are designed specifically to fit the Bucher HPUs to reduce heat buildup during higher duty cycles. Bracket and hardware included for mounting to TEFC motor. By maintaining a lower oil temperature, hydraulic fluid lasts longer and components work more effectively, having a higher life expectancy.



Part No. [51024420101](#)

Bucher Hydraulic Power Unit Accessories				
Part No.	Description	Weight (lbs)	Insert Link	Price
51024420101	Bucher heat exchanger, 56C - 145TC frame. For use with T-Series hydraulic power units.	16.50	PDF	\$759.00
51024420102	Bucher heat exchanger, 182TC - 184TC frame. For use with T-Series hydraulic power units.	16.60	PDF	\$759.00
51024420103	Bucher heat exchanger, 213TC - 215TC frame. For use with T-Series hydraulic power units.	35.95	PDF	\$1,595.00

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

Note: These oil coolers are not suitable for use in hydraulic systems operating with water-glycol or high water base fluids without a corrosion inhibitor suitable for aluminum and copper component protection.