



Plumbing, Heating and Air Conditioning
Tool List
 Beloit Campus
 2021-2022

Following are the required tools for the **Plumbing, Heating and Air Conditioning (PHAC)** program. These tools can be purchased from the vendor of your choice. All tools are to be of the finest quality. Tools will be inspected prior to being used in the department. The department reserves the right to refuse the use of worn or defective tools or tools which do not conform to the specifications of this list and the department chairperson.

Required Tools and Equipment

<u>Qty</u>	<u>Item</u>	<u>Klein Part No.</u>	<u>Ridgid Part No.</u>	<u>Milwaukee Part No.</u>	<u>Malco Part No.</u>	<u>Other Brand</u>
1	School PHAC Tool Kit	M2040759RV 8				
1	6" Strippers 10 to 18	11045				
1	Black Frame/Clear Lens Glasses	60161				
1	12 Pc. Hex Key set	LLK12				
1	9 Pc. Hex Key set	LMK10				
1	Crimping pliers	1006K				
1	8" Diagonal cut pliers	D248-8				
1	8" Crimping needlenose pliers	D203-8NCR				
1	9" Rare earth magnetic torpedo level	935R				
1	16oz Straight claw hammer	808-16				
1	14 In 1 precision screwdriver	32314				
1	2 PC Nut drive set magnet 6"	646M				
1	Refrigeration box wrench	68309				
1	8" Extra cap adjust wrench	507-8				
1	12" Extra cap adjust wrench	507-12				
1	9" Narrow end side cut pliers	D213-9NE				
1	7-PC magnetic nut driver set	631M				
1	101 Tubing cutter		40617			
1	150 Tubing cutter		31622			
1	Telescoping basin wrench		31175			
1	14" End pipe wrench		31070			
1	18" Straight pipe wrench or ↓		31025			
1	18" Aluminum pipe wrench		31100			
1	Clamp meter for HVAC			2236-20		
1	M18 Fuel hackzall bare tool			2719-20		
1	M18 Fuel hammer drill/drive G3			2997-22		

1	10 PC screwdriver set			48-22-2710		
1	25' Tape measure			48-22-9725 M		
1	26-PC impact drive/fasten set			48-32-4408		
1	Cobalt red helix drill bit set			48-89-2331		
1	8PC Flat boring bit set			49-22-0175		
1	12PC PLBERS large hole dozer			49-22-4142		
1	15" Packout tote			48-22-8315		
	Options for packout boxes (3)					
1	Packout compact tool box			48-22-8422		
1	Packout large tool box			48-22-8425		
1	Packout rolling tool box			48-22-8426		
1	1/8" X 5-1/2" Scratch Awl				A00	
1	3/16" Hex Key wrench isnert				RRW31 6	
1	5/16" Hex Key wrench insert				RRW51 6	
1	Zip Snip left offset cut				M2006	
1	Zip Snip right offset cut				M2007	
1	10" Bulldog Snip				M2005	
1	Deburring tool				R308	
1	FLK1 Locking utility knife					10771
1	Plastic tube and hose cutter					304-08
1	Pro pak turbo torch					TX-504
1	Dual differential manometer					SDMN 6
1	AC sensor with audio					AC300 0
1	9.5" Channel lock pliers					420C
1	12" Channel lock pliers					440-12
Will need to order one tool online						
	Refrigeration gauges - Yellow Jacket Brute 2					

Estimated Cost: \$2700.00

Note: Estimated costs reflect current market value and are subject to change.

Vendor Information:

Tools may be purchased at Boettcher Supply or the supplier of student choice. Please contact the Department Chair, Robert Chitty; rchitty@ncktc.edu, with questions or for further information.