



- NOTES:
- 1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR.
  - 2. PIPING LAYOUT IS DIAGRAMMATIC ONLY. FINAL ARRANGEMENT WILL BE SITE SPECIFIC. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATING ACTUAL LOCATION WITH ALL OTHER TRADES.
  - 3. CONTRACTOR SHALL VERIFY MOTOR VOLTAGE, PHASE AND AMP RATINGS BEFORE STARTING ELECTRICAL INSTALLATION; AND MAKE CERTAIN THE VOLTAGE SUPPLIED BY THE FACILITY IS THE SAME.
  - 4. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE VARIANCE OF 40° TO 105°F. (FOR HIGHER AMBIENTS, CONSULT FACTORY)
  - 5. ALL ACCESSORIES, PIPE AND FITTINGS (EXCEPT DISCHARGE FLEX HOSE AND MUFFLER) BEYOND INLET AND DISCHARGE PORTS ARE SUPPLIED AND INSTALLED BY OTHERS.
  - 6. ALLOW 36 INCHES IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION, ALL OTHER SIDES REQUIRE 24 INCHES OF CLEARANCE.
  - 7. WHEN DETERMINING THE TOTAL PIPE LENGTH, ADD ALL THE STRAIGHT LENGTHS OF PIPE TOGETHER IN ADDITION TO THE NUMBER OF ELBOWS TIMES THE EFFECTIVE PIPE LENGTH FOR THAT PIPE SIZE. (SEE EQUIVALENT PIPE LENGTH TABLE & EXAMPLE CALCULATION IN THE O&M MANUAL)
  - 8. FOR 5HP CLAW SYSTEMS: CONTRACTOR MUST THERMALLY INSULATE ALL TOUCHABLE EXHAUST PIPING. (8 FT OR LESS ABOVE FLOOR)

EXHAUST PIPE SIZE TABLE (SEE NOTE 7)			
UNIT SIZE	PIPE LENGTH		
	0' - 50'	51' - 150'	151' - 400'
2 HP	1.0" NPT	1.25" NPT	1.5" NPT
UNIT SIZE	PIPE LENGTH		
	0' - 100'	101' - 250'	251' - 500+'
3 HP	1.25" NPT	1.5" NPT	2.0" NPT
UNIT SIZE	PIPE LENGTH		
	0' - 100'	101' - 400'	401' - 500+'
4 HP	1.5" NPT	2.0" NPT	2.5" NPT
UNIT SIZE	PIPE LENGTH		
	0' - 50'	51' - 250'	251' - 500+'
5.4 HP	1.5" NPT	2.0" NPT	2.5" NPT

EFFECTIVE PIPE LENGTH TABLE FOR ELBOWS					
PIPE SIZE	1.0" NPT	1.25" NPT	1.5" NPT	2.0" NPT	2.5" NPT
EFFECTIVE PIPE LENGTH (FT)	3.0	3.4	4	4.9	6.4

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Description: INSTALLATION DIAGRAM TANK MOUNT LAB CLAW VAC BASIC 2-5.4HP SX		Part Number: 4107 8567 73	
DN: HOP211049		Rev: 01	
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