

PHYSICAL DEMANDS

Job Title: HVAC Mechanic, HVAC Refrigeration A, HVAC B, HVAC Electrician A, HVAC General Maintenance					Position #: 000454, 001141, 000626, 001171, 001235					
Hours: 40			Breaks: 1 x 30 min & 1 x 15 min			Overtime: 10 – 20 hrs x/year mandatory				
Equipment: Manual & powered hand tools (pliers, screw drivers, wrenches, drill, sawsall etc). Electrical meters, Gator & vans.										
Special Requirements: State & college driver's license.					Work Environment: 90% indoors, 10% outdoors.					
TASK	R	O	F	C	DESCRIPTION					
Lift (lbs)	75	40-65	25-40		* 75 lbs per person to lift large motor or compressor (200-250 lbs) from floor to waist level. Lift 40 lb –65 lb motors from an overhead shelf (can ask for help). * 75 lbs per person to lift cooler in/out of dining hall from floor to waist level. * 25 lbs – 40 lbs per person frequent lifting of air conditioning units 2x/year. *Lifting 20 lb-40 lb tool bag/box. * 55 lb gas tank from floor to waist level; * 50 lbs 5 gallon containers of fluid from floor to waist level; * 40 lb bags of water softener.					
Carry (lbs)			25-50		* 25 lb – 50 lb per person to carry air conditioning units up/down as many as 4 flights of stairs. * 20 lb – 40 lbs tool bags/boxes to work sites and up/down as many as 4 flights of stairs.					
Push (lbs)	100				* 80 lbs - 100 lbs force to maneuver heavy motors a few inches at waist level. * 80 lbs to push stoves or fridges on carts. *Push on wrench with 100 lbs of force on wrench to loosen pipe fittings.					
Pull (lbs)	100				* 80-100 lbs force to maneuver heavy motors a few inches at waist level. * 80 lbs to push stoves or fridges on carts. *Pull on wrench with 100 lbs of force to tighten pipe fittings.					
Sit	X				At breaks and on occasions when working for extended periods at low levels.					
Stand/Walk				X	*To walk to and from jobs and when performing tasks. Terrain/surfaces are mostly indoors on concrete, carpet, vinyl, stone or wood. Can sometimes be outside on snow/ice, grass or concrete.					
Bend/Squat			X		*To work on equipment positioned below waist level.					
Crouch/Kneel			X		*To work on equipment positioned below waist level.					
Twist/Turn		X	X		*When working in tight spaces.					
Crawl	X				*Rarely required when working on equipment.					
Climb		X			*Climb stairs and ladders occasionally. Step ladders up to 12 ft and extension ladders up to 32 ft. Step ladders are used most often. Need to carry items in two hands when climbing stairs.					
Reach			X		*To work on equipment and often while holding tools. Mostly reaching directly in front. *Overhead reaching on a rare basis.					
Handle			X		* 80 lbs grip force to operate heavy equipment and tighten/loosen pipe fittings. *Working with manual and powered hand tools such as wrenches, pliers and drills etc. *Handling equipment such as motors, compressors, pipe, air conditioners and fridges etc.					
Finger			X		*Working with wires and small nuts, bolts etc.					
Balance		X			*Climbing ladders and able to work from ladders without holding ladder. *Some outdoor work walking on slippery surfaces. *Some floors inside buildings will be wet.					

Rare (R)	1 - 10%	1 – 5 min/hr	<1 hr/day
Occasional (O)	11 - 33%	6 - 20 min/hr	1 - 2 ½ hr/day
Frequent (F)	34 - 66%	21 - 40 min/hr	2 ½ - 5 ½ hr/day
Constant (C)	67 - 100%	41 - 60 min/hr	> 5 ½ hr/day

*Denotes Essential Function

Evaluator: Mark Coleman, OTR/L

Updated: 08/09/17