<b>MECHANICAL I</b> GENERAL NOTES (REFER TO DIVISION 230000 FOR FURT	DRAWING NOTES	MATERIAL AND INSULATION S System
·	d equipment required to complete his work in accordance with the	Ductwork; Supply Ductwork; Supply & Return (Uncondi Ductwork; Return
existing and related conditions that may, will or could affect his	ling those of the other trades in order to acquaint himself with the work. He shall be experienced, skilled and knowledgeable with this type	Ductwork; Exhaust Ductwork; Flexible Duct
of construction and shall be expert and proficient in the prepara interpretation of contract documents such as those prepared for	tion of estimates and the comprehension, implementation, and	Condenser Water Piping (2"Ø & Sma Condenser Water Piping (Larger thar
ne Contractor shall visit the site before he submits his propose ubmission of the proposal shall be considered evidence that th ditional work made necessary by the failure to visit the site.	al. He shall examine all existing conditions which affect the work. his requirement has been fulfilled. No extra payment will be allowed for	Refrigerant Piping Condensate Piping - A/C
contractor by his acceptance of the contract guarantees that	at all work installed shall be free from all defects in workmanship and	Ductwork; Gas Flue & Combustion A
luring a period of one (1) year from the date of the certificate kmanship, material or performance appear, such defects sh	the capacities and characteristics specified. He further guarantees that of completion and acceptance of the work, any such defects in all be remedied by him without cost to the owner. If the contractor fails to	AIR DEVICE SCHEDULE
the contractor, the owner will have such work done, and he w		No.         CFM         Size         Neck           AD-1         0-125         12x12         6"Ø
de. Only mechanics skilled in this type of work shall be emplo	nlike manner in accordance with the latest and best practices of the oyed by the Contractor for this division in the execution of this work.	125-300         24x24         8"Ø         1           AD-2         0-450         12x12         10x10         1
ne contract drawings are diagrammatic and indicate the gener quired for a complete installation. The contract drawings are r th the other contract documents shall be examined for all dim	ral arrangement of systems. The Contractor shall provide all work not to be scaled. The architectural contract drawings and details together rensional information.	0-1800         24x24         22x22         1           AD-3         50 CFM /         Refer to Plans         1
	his work, and he shall also check the contract drawings of the other alipment locations shall be coordinated with the Architect and the General	AD-4 75 ČFM / Refer to Plans AD-5 100 ČFM / Refer to Plans AD-5 CFM / Refer to Plans
ontractor.	ke reasonable modifications in the layout of his work in order to prevent	AD-6 0-150 8x8 6x6 1 0-300 14x14 12x12 1 AD-7 0-400 14x10 12x8
onflicts with the work of other trades or for the proper execution	n of his work.	AD-7         0-400         14x10         12x8         1           0-800         20x8         18x6         1           0-1200         32x14         30x12         1
progresses, the actual location of all work shall be clearly record These prints shall be available at the site for inspection at all tim	blete set of blueline prints of the contract drawings. As the work ded, including all changes to the contract and equipment size and type. nes. At the conclusion of the work, the contractor shall, at his own	Air Device Notes: 1. Unless other wis 2. Provide air device
ncorporate all "as built" data in a clearly legible and reproducibl conditions. All revisions shall be incorporated on these reproduce	rawings, and utilizing the symbols on the contract drawings, shall le manner. All schedules shall be corrected to indicate "as built" cibles including all sketches and written directives. All concealed	ROOFTOP UNIT W/ HEAT RECO
acceptance of the work, the "as built" reproducibles and one (1)	dimensionally located from the building structure As a condition for ) set of prints shall be signed, dated and delivered to the engineer.	Unit Designation Basis of D
work shall be performed without any additional cost to the owne described. The contractor shall be responsible to verify with all l	k which may be claimed by trade organizations within his jurisdiction. All er irregardless of which section of the contract documents the work is local organizations the extent of any collective bargaining agreements	Model Nu Service Lo
accordance with the accepted trade practice in the area.	between the respective trades, and provide and install his work in	Dimensions (L x W x H Approximate Weight
The entire installation shall conform with all pertinent codes and authorities, The National Board of Fire Underwriters, the codes Association and all other regulatory bodies having jurisdiction.	d regulations of the local, municipal, county, state, and federal of the International Codes Council, the National Fire Protective All materials and equipment shall bear the stamps or seals of the NFPA,	Cooling Performance
ASME, NEMA, IEEE, UL and other recognized industry regulate	ory groups.	Coil Airflow ( Coil EAT (DB/WE
The Contractor shall give all necessary notices, obtain all perminis work. He shall file all necessary plans, and prepare all other compliance with all applicable laws, ordinances, rules and regul	its, pay all governmental taxes, fees and other costs in connection with documents including additional detailed plans that are required for lations.	Coil LAT (DB/WE Unit LAT (DB/WE Aireide Coil ABD (in
	nd shall maintain a safe environment at the job site for all employees.	Airside Coil APD (in Total Capacity ( Sensible Capacity (
All work shall be installed in strict accordance with the equipme Openings around ductwork and piping passing through the cons	•	HGRH Capacity Condensing
All systems are to be tested, adjusted and balanced to provide p	performance as indicated on the drawings.	Application Evaporator Coil
Coordinate to assure that all work of all trades will be concealed ceiling heights. Report exceptions to the Architect prior to const	d within the wall and ceiling construction and without the need to reduce truction and erection of the work.	Stages (Circuit Compressor Type (Circuit
All work shall be supported from the building structural system. Dumbing work, sprinkler piping, electrical work, nor from other r	Work shall not be supported from the ceiling suspension system, from mechanical work.	HGRH (Circuit EWT (°F) (Circuit
The HVAC and Plumbing trades shall coordinate all work with th	·	LWT (°F) (Circuit
adjustments, filter replacement, component service, and provide	provide adequate clearances for architectural design, proper operation, e a minimum 2" clearance between all piping, ductwork, conduit, etc.	Heating Performance Coil EA
he Contractor shall maintain as-built drawings and deliver ther Provide supports, hangers, flexible pipe connections, vibration i	isolation, supplementary supports, controls and wiring, cleaning,	Unit LA Capacity
painting, specialties and all other labor, materials, devices and s indicated, run all piping, ductwork, and conduit as high as possi	services required for a complete, quality installation. Unless otherwise	EWT (°F) (Circuit LWT (°F) (Circuit
The HVAC trades shall coordinate all electrical loads with the E	lectrical Contractor.	Electrical Data
The Contractor shall coordinate with the General Contractor. Lo	ocate all required cutting and patching and the like required by the	Minimum Circuit Am Maximum Overcurrent Prot
installation of the Mechanical work. Provide all specialties, accessories, controls, etc., to provide a c	complete, quiet, properly operating automatically controlled systems.	Supply Fan Bra Exhaust Fan Bra
The HVAC trade shall provide all safety and operating controls, systems to operate in a safe and satisfactory manner.	transformers, motor starters, devices and control wiring required for the	Supply Fan Mo Exhaust Fan Mo
	except for testing, and provide new filters for all units and immediately	Supply Fan Motor Q Exhaust Fan Motor Q
Ductwork shall be constructed of galvanized sheet metal fabrica	ated and erected in accordance with ASHRAE and SMACNA standards.	Supply Fan VFD Frequence Exhaust Fan VFD Frequence
	an branchee, an equalizere, and enniar devicee de required to property	
balance the systems and produce quiet, draftless operation. Du	·	Outside Air Design
leakage to 5% or less of circulated air.	tight during erection with caulked, taped or hardcast joints to restrict	Airflow ( Summer Outdoor Temp. (DB/WE
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balance the systems and produce quiet, draftless operation. Du Duckwork shall be constructed to the sizes shown and made air leakage to 5% or less of circulated air. All ductwork shall be closely coordinated prior to fabrication. Th contract documents shall be examined for all dimensional inform al spacial requirements worked out and shown on drawings. Th building's exterior, floors, etc. and any problems. These drawing shown on the drawings, and in locations required by codes. Balance all air quantities to within 5% of the CFM shown on the satisfaction. Install all devices required for balancing in the syst and balancing agency for review by the Engineer. Provide written operating and maintenance instructions includin Contractor shall coordinate all diffuser, grille and register location <b>MEECHANNICAL SYMBOLS, INI</b>	<pre>tright during erection with caulked, taped or hardcast joints to restrict the architectural contract drawings and details together with the other ration. Full sheel metail shop drawings drawings to be cut through the g shall be submitted for review prior to fabrication. to gennings passing through floors, fire rated walls and cellings, where ardrawings. Finally balance individual outlets to the occupants' em during arcentificates, in duplicate, to the Architect. ans with architectural celling plans and lighting layouts.  DECENTIONS &amp; ABBEREVIATIONS  DUCT W ACOUSTICAL LINING UCT W ACOUSTICAL LINING UTT W UTT BERLET UT ABOOTOP LINING ACOUNT UTS BEAR UT ABOOTOP UNIT AGA SUPPLY AR UCT WUTT HEATER UT UNIT HEATER UT UNIT</pre>	Airflow           Summer Outdoor Temp. (DB/WI           Winter Outdoor Temp. (DB/KI)           Fluid & Connection Data           Concentratic           Flow Rate (GPM) (Circuit           Pressure Drop (ft. wc.) (Circuit           Connection Dia. (in.) (Circuit           Supply Fan Motor 1 (           Supply Fan Motor 1 (           Supply Fan Motor 2 (           Compressor 3 (           Compressor 4 (           Compressor 3 (           Compressor 4 (           Compressor 4 (           Transformer (500 VA) (           Electric Preheater (           Options & Accessories           Insulated Flow

Material         Basis of Design         Galvanized Steel         ed)       Galvanized Steel         Galvanized Steel         Galvanized Steel         Galvanized Steel         Galvanized Steel         Galvanized Steel         Sch. 40 Black Steel         "ACR" Copper         Type "L" Copper         3"Ø PVC	CertainteedDuct Wrap1-1/2CertainteedDuct Wrap1-1/2CertainteedDuct Liner1/2CertainteedCertaflexCertainteed500° Snap On1Certainteed500° Snap On1ArmacellArmatuff1-1/2	Yes Mechanical Grooved F	CNA standards CNA standards CNA standards Duct Tested Under UL-181. R-5 D iping w/ Vapor Barrier (Alt, Insula iping w/ Vapor Barrier (Alt, Insula rer's recommendation	Dimensions uct Insulation ion - 1" Rubatex R-180FS) ion - 1" Rubatex	DescriptionUnitBasis of DesignQModel NumberMUIMountCeilingS (L x W x H) (in.)16 xWeight (lbs)ServiceServiceUtilityal208 /Capacity (kW)Capacity (kW)nber of ElementsUnit FLAUnit FLA14.5priesFinish	HB-1         UH B-2           Heater         Unit Heater           Mark         QMark           H03-81         MUH05-81           g-Vertical         Ceiling-Vertica           14 x 7.5         16 x 14 x 7.5           27         27           Rm - 009         Refer to Plans           10 / 60         208 / 10 / 60           3         5           1         1           5 Amps         24.0 Amps	Item Compor         SS-1       Air         SS-2       Air Ve         SS-3       Expans         SS-4       Bag Fee         SS-5       Pressu         Reduct       SS-6         SS-7       Water M	tor Taco nt Taco on Taco C der Strainrite Co. re Taco re Lochinvar eter Mastermeter	Model No. 4903A 409 BX170-125 SRH1 3350-T  MM-5	Basis of De Model Nun Dimensions (L x W x H) Weight (I Ser Electrical Capacity ( Number of Eleme Unit Accessories Fi	FFH 1-1 & 1-2tionFan Forced HeatersignMarkelnberHF3326TD-RPountWall(in.)14-1/4 x 4 x 19-1/2bs.)29viceEntry Vestibule - 100208 / 10 / 60(kW)3.0ents1FLA14.4 Ampsnisł/Coordinate w/ Architect	M Dimensions (L x Electrical Accessories	n         EF 1-1, 1-2, 1-3           asis of Design         Cook           lodel Number         GN-622           CFM         400           ESP (in. w.c.)         0.25           x W x H) (in.)         17 x 12 x 1           Weight (lbs.)         38           Location         In-Line, Ceiling           115 / 10 / 6           Amps         0.164           RPM         1251           HP            idraft Damper         Yes	2 Mtd.		P.E. 24GE04977900 n No: 24GA28143700
gger1400Note #4Ygger1400Note #4YggerS80Note #4NggerS80Note #4NggerDFLNote #4NggerDFLNote #4NggerDFLNote #4NggerEG10Note #4NggerEG10Note #4NggerS80Note #4NggerS80Note #4NggerS80Note #4NggerS80Note #4N	Tile Ceiling     Steel     Square-       No     Tile Ceiling     Steel     Fixed De       No     Tile Ceiling     Steel     Fixed De       No     Tile Ceiling     Aluminum     Linear I       No     Wall / Ceiling     Aluminum     Einear Steel       No     Wall / Ceiling     Aluminum     Einear Steel       No     Wall / Ceiling     Aluminum     Einear Steel       No     Wall     Aluminum     Einear Steel       No     Tile Ceiling     Aluminum     Fields for       No     Tile Ceiling     Aluminum     I'' ster''       No     Wall     Steel     Fixed De	Face, 4-Cone, Round Neck Ceilin Face, 4-Cone, Round Neck Ceilin eflection Steel Return Grille w/ 3/4 eflection Steel Return Grille w/ 3/4 Diffuser, Provide Plenum, Return H Diffuser, Provide	y Steel Louvered Supply Air Diffus ' Blade Spacing & 0° Deflection ' Blade Spacing & 0° Deflection lood and Blank-off as Req'd., 1" S lood and Blank-off as Req'd., 2" S double and Blank-off as Req'd., 2" S Grille w/ Channel Frame ' Blade Spacing & 0° Deflection ' Blade Spacing & 0° Deflection ' Blade Spacing & 0° Deflection	er er Automatic Re Automatic Iot Width, 2 Slot Width, 2	isconnect Switch Surrent Protection Set Thermal Limit Set Thermal Limit Set Thermal Circuit Set Thermostat Set	s, B10 Yes, B10 Yes Yes Yes Yes No No Yes Yes	SS-9 Solid: SS-9 Solid: Separa	itch McDonnel & Miller	FS-6	Disconnect Sw Over Current Protect tomatic Reset Thermal L Automatic Fan Delay Cir Control Unit Mounted Thermo General Notes 1. M.C. shall furnish	ction Yes Limit Yes rcuit No ostat Yes (Concealed) all equipment es, E.C. shall install all	Reverse-Acting General Notes	ed Controller Yes g Thermostat Yes, Set to 85 urnish all equipment disconnec C. shall install all equipment	*1 * adj. t		FAX # (215)322-
RTU-1         gn       Valent         er       VPRC-310-25H         on       Make-Up Air / Exhaust         a)       303 x 77 x 84         a)       5086         a)       5086         a)       5086         b)       84.5 / 71.0         F)       87.1 / 55.8         F)       81.7 / 65.2         a)       0.3         d)       297.8         d)       177.2         d)       131.0         IR       12.4         R       9.5         s)       4         3)       2 / 2         B)       Mod. / -         B)       95.0 / 95.0         B)       105.6 / 106.1         b)       105.6 / 106.1         b)       93.5         d)       30.0         B)       95.0 / 95.0         B)       45.0 / 45.0         B)       45.0 / 45.0         B)       45.0 / 45.0         B)       30.00         IP       3.00         IP       3.00         IP       3.00         IP       3.00	Unit Designation         Basis of Design Wa         Model Number         Unit Airflow (CFM)         Outdoor Air Airflow (CFM)         Ext. Static Pressure         Flow Rate (GPM)         Unit Pressure Drop (psig)         Operating Weight (Ibs.)         Filter Dimensions (in.) (qty. (1)18         Location         Cooling Performance         Nominal Tonnage         Total Capacity (MBH)         Unit Pressure Drop (Ft./Hd.)         EER         Unit Power Input (kW)         Heat of Absorption         Entering Fluid Temperature         Heating Capacity (MBH)         ISO 13256-1 COP         Unit Pressure Drop (Ft./Hd.)         Unit Power Input (kW)         Heat of Absorption         Entering Fluid Temperature         Electrical Data         208         Compressor RLA / LRA         Fan HP         Total Full Load Amps         Minimum Circuit Ampacity         Max. Circuit Breaker / Fuse Size         Unit Connection Size (in.)]<	HHP B-1HHP B-2ater FurnaceWater FurnaceNBH026NBH049 $800$ 16001603200.50.5 $8.0$ 12.02.231.93 $305$ 423 $8x18,(1)18x'(1)20x20,(1)20x22$ 2.04.026.5646.7221.4536.15 $5.2$ 4.513.812.71.933.6733.159.295.095.022.5241.944.43.96.25.31.513.1417.431.245.045.0	HHP B-3         HHP B-4           Water Furnace         Water Furnace           NBH038         NBH038           1200         1200           240         240           0.5         0.5           9.0         9.0           1.77         1.77           373         373           (2) 18x20         (2) 18x20               3.0         3.0           37.63         37.63           29.57         29.57           4.1         4.1           13.9         13.9           2.71         2.71           46.9         46.9           95.0         95.0           95.0         95.0           31.39         31.39           4.4         4.4           4.9         4.9           2.11         2.11           24.2         24.2           45.0         45.0           08-230 / 30 / 6208-230 / 30 / 10           11.6 / 73.0         11.6 / 73.0           11.2         1/2           1/2         1/2           15.7         15.7           18.6         18.6<	Water Furnace       Water         NBH026       NB         800       1         160       3         0.5       0         8.0       1         2.23       1         305       2         (1)18x18,(1)18x14)20x20            2.0            2.0            2.0            2.0            2.0            2.0            2.0            2.0            2.0            2.0            2.0            2.0            2.0         2.0         3.3.1         5.2         4.4         6.2         1.51         3         17.4         3         17.4         3         17.2         10.6         2<	$$ $4.0$ $2.0$ $5.72$ $26.56$ $5.15$ $21.45$ $4.5$ $5.2$ $2.7$ $13.8$ $6.67$ $1.93$ $9.2$ $33.1$ $5.0$ $95.0$ $1.94$ $22.52$ $3.9$ $4.4$ $5.3$ $6.2$ $4.14$ $1.51$ $1.2$ $17.4$ $5.0$ $45.0$	Water Furnace         Water           NBH026         NBI           800         16           160         3           0.5         0           8.0         11           2.23         1.           305         4           1)18x18, (1)18x(1)20x20                2.0         4           26.56         46           21.45         36           5.2         4           13.8         12           1.93         3           33.1         59           95.0         99           22.52         41           4.4         3           6.2         5           1.51         3           17.4         3           45.0         44           30         6.5 / 55.4           14.0         1/2           10.6         2           12.2         24           15         3           0.75"Ø         1           Yes         Y           Yes         Y           Yes         Y      Yes	P 1-4         HHP 1-5           Furnace         Water Furn           1049         NBH049           500         1600           20         320           500         12.0           93         1.93           23         423           , (1)20x(1)20x20, (1)2                -0         4.0           .72         46.72           .15         36.15           .5         4.5           2.7         12.7           67         3.67           9.2         59.2           5.0         95.0           .94         41.94           9         3.9           .3         5.3           14         3.14           1.2         31.2           5.0         45.0           // 30 / 6208-230 / 36           // 83.1         14.0 / 83           1         1           1.6         21.6           5.1         25.1           35         35           *Ø         Yes           es         Yes           es         Y	Ace         Water Furnace           NBH049         1600           320         0.5           12.0         1.93           423         423           20x2220x20, (1)20x            4.0         46.72           36.15         4.5           12.7         3.67           59.2         95.0           41.94         3.9           5.3         3.14           31.2         45.0           4/6008-230 / 30 / 6         40 / 6	NBH026 800 160 0.5 8.0 2.23 305	Ce         Water Furnace         Wat           NBH026         N           800         160           0.5	NBH026         NBH026           800         800           160         160           0.5         0.5           8.0         8.0           2.23         2.23           305         305           (1)18x(1)18x(1)18x18, (1)18x	Water Furnace       Water NBH049         1600       320         0.5       12.0         12.0       1.93         423       423         1)20x20, (1)20x	HHP 1-12         HHP 2-1           ater Furnace         Water Furnace           NBH049         NBH038           1600         1200           320         240           0.5         0.5           12.0         9.0           1.93         1.77           423         373           0x20, (1)20x2         2 (2) 18x20 (1)               4.0         3.0           46.72         37.63           36.15         29.57           4.5         4.1           12.7         13.9           3.67         2.71           59.2         46.9           95.0         95.0           95.0         95.0           41.94         31.39           3.9         4.4           5.3         4.9           3.14         2.11           31.2         24.2           45.0         45.0           3-230 / 30 / 6208-230 / 30 / 6           14.0 / 83.1         11.6 / 73.0           1         1/2           21.6         15.7           25.1         18.6           35         <	NBH026 800 160 0.5 8.0 2.23 305 1)18x18, (1)1  2.0 26.56 21.45 5.2 13.8 1.93 33.1 95.0 22.52 4.4 6.2 1.51 17.4 45.0	Ace         Water Furnace           NBH026         800           160         0.5           8.0         2.23           305         8.0           2.23         305           8x(1)18x18, (1)18x1            2.0         26.56           21.45         5.2           13.8         1.93           33.1         95.0           22.52         4.4           6.2         1.51           17.4         45.0           7/6208-230 / 30 / 6         6.5 / 55.4           1/2         10.6           12.2         15	NBH038           1200           240           0.5           9.0           1.77           373           4 (2) 18x20              3.0           37.63           29.57           4.1           13.9           2.71           46.9           95.0           31.39           4.4           4.9           2.11           24.2           45.0
6)       N/A         3)       37.5 / 37.5         3)       20 / 20         3)       1.25"Ø / 1.25"Ø         be       Normally Open         208 / 3Ø / 60         S)       13.2 / 13.2         S)       13.2 / 13.2         S)       8.5 / 8.5         S)       22.4 / 22.4         S)       0 / 62.8	Basis of Design       Wa         Model Number       Unit Airflow (CFM)         Outdoor Air Airflow (CFM)       Ext. Static Pressure         Flow Rate (GPM)       Ext. Static Pressure         Flow Rate (GPM)       Unit Pressure Drop (psig)         Operating Weight (lbs.)       Filter Dimensions (in.) (qty.)         Filter Dimensions (in.) (qty.)       118         Location       Cooling Performance         Nominal Tonnage       Total Capacity (MBH)         Sensible Capacity (MBH)       Sensible Capacity (MBH)         Unit Pressure Drop (Ft./Hd.)       EER         Unit Power Input (kW)       Heat of Absorption         Entering Fluid Temperature       Heating Capacity (MBH)         ISO 13256-1 COP       Unit Pressure Drop (Ft./Hd.)         Unit Power Input (kW)       Heat of Absorption         Entering Fluid Temperature       Heat of Absorption         Entering Fluid Temperature       Ethex of Absorption         Entering Fluid Temperature       Ethex of Absorption	HHP 2-5HHP 2-6ater FurnaceWater FurnaceNBH026NBH0268008001601600.50.58.08.02.232.23305305	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Water Furnace       Water         NBH038       NB         1200       8         240       1         0.5       0         9.0       8         1.77       2         373       3         14       (2) 18x20       (1)18x18             3.0       2         37.63       26         29.57       2         4.1       3         13.9       1         2.71       1         46.9       3         95.0       9         31.39       22         4.4          4.9       0         2.11       1         24.2       1         35.0       9         31.39       22         4.4       -         4.5.0       4         30       -         11.6 / 73.0       6.5         1/2       -         15.7       1         18.6       1         30       -         Yes       Y         Yes       Y         Yes	P 2-10       HHP 2-11         Furnace       Water Furnace         H026       NBH026         300       800         160       160         0.5       0.5         305       305         305       305         305       305         305       305         305       305         3(1)18x(1)18x18,(1)18x1             2.0       2.0         5.2       5.2         3.8       13.8         .93       1.93         3.1       33.1         5.0       95.0         2.52       22.52         4.4       4.4         5.2       6.2         .51       1.51         7.4       17.4         5.0       45.0         0.7 30 / 6208-230 / 30 / 6         75.4       6.5 / 55.4         1/2       1/2         0.6       10.6         2.2       12.2         15       15         75"Ø       0.75"Ø         76"Ø       75"Ø         76"Ø       Yes         (es	Water Furnace         Water           NBH038         NBI           1200         8           240         1           0.5         0           9.0         8           1.77         2.           373         3           4         (2) 18x20         (1)18x18               3.0         2           37.63         26           29.57         21           4.1         5           13.9         13           2.71         1.           46.9         33           95.0         99           31.39         22           4.4         4           4.9         6           2.11         1           24.2         1           45.0         44           4.9         6           2.11         1           15.7         10           15.7         10           18.6         12           30         1           Yes         Y           Yes         Y           Yes         Y	P 2-13       Unit Definition         Furnace       00         1026       00         00       60         60          0.0       23         05          0,(1)18x14          2.0              2.0              2.0              2.0	Suction / Disch Dimensions (L Imp. Dimensions (L Imp. al Eff. Ories Im Efficiency, Invert Variable Differential Press Pum Cement Fille Suction Diffus ' Ø Triple-Duty Valv aided Flexible Pump Concentric F y Non-Overloading on & Discharge Pre- Temper s Start-up, Alignmen Pump Motor Currer charge Paddle Typ narge High Limit Pre- or Starter and Disc H-O-A Si Control Panel w/ JTO / P2 Manual Si Manual Alarm Variable Speed Pur Pu	Description asis of Design Aodel Number System arge Size (in.) Max. GPM Head (FT) x W x H) (in.) Diameter (in.) Location HP RPM @ Duty Point @ Duty Point @ Duty Point # Motor Frame . Transducers p Flow Switch d Inertia Base er W/ Strainer /e (Discharge) o Connections Pipe Reducers Pump Motors ssure Gauges rature Gauges rat	75 52 x 20 x 20 8.7 Refer to Plans 208-230 / 3Ø / 60 10.87 1760 77% Yes Provided By Pump Vendor 215T Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	AHU Mode C AHU CFM (Low / Me Entering Air Temp. (DB D AHU Dimensions (M AHU We Heating Coil (Indoor) Basis Coil Mode Heating Capacit Min Heating Capacit Min Heating Capacit AHU Electrical AHU Electrical AHU Electrical AHU Electrical AHU Electrical Combinal Total Cooling Capac Combinal Saturated Condensing T Minimum OA Ter Condenser EAT (°F d Refrigerant Lines (Liquid HP Dimensions (V HP Dimensions	on         AHL           of Design         Fraser-a           I Number         DHPM36P           rientation         Wall-W           ed / High)         677-70           /WB) (°F)         80           rive Type         Dir           /WB) (°F)         80           rive Type         Dir           / x D x H)         54 x 1           eight (Ibs)         4           Coil Type         Heat           of Design         Frazer-a           I Number            y (BTUH)         36,           gnation         HP           of Design         Frazer-a           I Number         DHPM360           Tonnage         3           ity (MBH)         36           emp (°F)         9           nperature            b / °F wb)         80           / Va	NWM42Q1         DHPM36NWM42Q           Mounted         Wall-Mounted           06-824         677-706-824           / 67         80 / 67           rect         Direct           10 x 13         54 x 10 x 13           45         45           Pump         Heat Pump           Johnston         Frazer-Johnston               ,400         36,400           ,600         20,600               ,400         36,400           ,600         20,600               ,400         36,400           ,600         20,600               ,400         36,400           ,600         20,600               ,400         36,400           ,600         20,600               Johnston         Frazer-Johnston           CSM42Q1         DHPM36CSM42Q           3.0         3.0           6.0         36.0           3.2         8.2           95        <	HPM24N Wall-Mc 354-41 80 / Dire 40 x 8. 45 Frazer-Jc 23,0 15,0 208 / 19 0.2 3.1 Frazer-Jc	whnstonWM42Q1punted $3-472$ $67$ $ct$ $5 \times 13$ pumpphnston $00$ $00$ $00$ $00$ $00$ $00$ $00$ $00$ $00$ $00$ $00$ $00$ $3-3$ whnston $SM42Q1$ $0$ <td></td>	

