

January 20 2021 Regular Meeting

January 20 2021 Regular Meeting - January 20 2021 Regular Meeting

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AGENDA
NORTHERN INYO HEALTHCARE DISTRICT
BOARD OF DIRECTORS REGULAR MEETING
January 20, 2021 at 5:30 p.m.
2957 Birch Street, Bishop, CA

Northern Inyo Healthcare District invites you to attend this Zoom meeting:

TO CONNECT VIA ZOOM: (A link is also available on the NIHD Website)
<https://zoom.us/j/213497015?pwd=TDIiWXRuWjE4T1Y2YVFWbnF2aGk5UT09>
Meeting ID: 213 497 015
Password: 608092

PHONE CONNECTION:
888 475 4499 US Toll-free
877 853 5257 US Toll-free
Meeting ID: 213 497 015

1. Call to Order (at 5:30 pm).
2. **Public Comment:** The purpose of public comment is to allow members of the public to address the Board of Directors. Public comments shall be received at the beginning of the meeting and are limited to three (3) minutes per speaker, with a total time limit of 30 minutes for all public comment unless otherwise modified by the Chair. Speaking time may not be granted and/or loaned to another individual for purposes of extending available speaking time unless arrangements have been made in advance for a large group of speakers to have a spokesperson speak on their behalf. Comments must be kept brief and non-repetitive. The general Public Comment portion of the meeting allows the public to address any item within the jurisdiction of the Board of Directors on matters not appearing on the agenda. Public comments on agenda items should be made when that item is considered.
3. New Business:
 - A. Chiller plant upgrade (*action item*).
 - B. VMG Health introduction and overview of services (*information item*).
 - C. Formation of subcommittee to discuss physician group compensation (*action item*).
 - D. Human Resources Department Update (*information item*).
 - E. Discussion of NIHD Chief Executive Officer Search (*action item*).
4. Chief of Staff Report, Charlotte Helvie, MD:

- A. Policy and Procedure approvals (*action items*):
 - 1. *Early Progressive Mobility Protocol*
 - 2. *Echocardiography Use of Contrast*
- B. Medical Staff Reappointment for Calendar Years 2021-2022 (*action item*):
 - 1. *Mark Robinson, MD (orthopedics) – Active Staff*
- C. Medical Executive Committee Meeting Report (*information item*).

Consent Agenda (action items)

- 5. Approval of minutes of the December 16 2020 regular meeting
- 6. Interim Chief Executive Officer report
- 7. Interim Chief Medical Officer report
- 8. Chief Nursing Officer report
- 9. Financial and Statistical reports as of November 30 2020
- 10. Cerner Implementation update
- 11. Policy and Procedure annual approvals

-
- 12. NIHD Committee updates from Board members (*information items*).
 - 13. Reports from Board members (*information items*).
 - 14. Adjournment to Closed Session to/for:
 - A. Public Employee Performance Evaluation (*pursuant to Government Code Section 54957(b)*)
Title: Interim Chief Executive Officer.
 - B. Significant exposure to litigation (*pursuant to Government Code Section 54956.9*), three cases.
 - 15. Return to Open Session and report of any action taken (*information item*).
 - 16. Adjournment.

In compliance with the Americans with Disabilities Act, if you require special accommodations to participate in a District Board meeting, please contact administration at (760) 873-2838 at least 48 hours prior to the meeting.

MEMORANDUM

To: Northern Inyo Hospital
Date: 08/05/2020
Re: Replacement of Central Plant Split Chiller Air-Cooled Condensers

The following memo discusses the replacement of the existing air-cooled condensers serving the three split Carrier chillers in the central plant at the facility referenced above. After review of the mechanical plans shared with us on 6/29/20 and using the assumptions outlined in this memo, it was determined that replacing the existing three (3) dual circuit air-cooled condensers with six (6) Carrier 09DMP095 single circuit air-cooled condensers would allow for operation at the design capacity and minimize impact to the existing structure.

Four (4) new condensers could be located on the roof of the existing chiller building and two (2) new condensers could be located on the ground North of the existing chiller building; see Appendix 1 for preliminary layout sketch.

The existing building is served by three (3) Carrier HXA171NY Chillers with a total combined design capacity of 452.2 tons. It is assumed the chillers are in good operating condition. Consideration of future capacity is not included. Chiller plant trend data is unavailable for review.

The following parameters were used to select the Carrier 09DPM095 condensers:

- Project Site: Bishop, CA
 - Summer Design Temperature (ASHRAE 0.1%): 103 °F
 - Winter Design Temperature (ASHRAE Median of Extremes): 5 °F
 - Elevation: 4,200 FT
- OSP # Required
- Head Pressure Control option required due to low ambient winter temperatures
- Maintaining less than or equal to existing rooftop equipment weight.

See Appendix 2 for preliminary selection information with OSHPD Special Seismic Certification Approval (OSP) number.

The following considerations were made to develop the preliminary layout in Appendix 1:

- Airflow clearances for Carrier 09DPM095 condenser
 - Top – Do not restrict
 - Coil and rear sides – 42" from solid surface
 - Panel sides – 48" from solid surface
- Four (4) new condensers can be mounted on the roof (total estimated operating weight: 8,164 lb)
 - Two (2) new condensers can be mounted on existing equipment pads on the roof of the existing chiller building

Project Scope of work



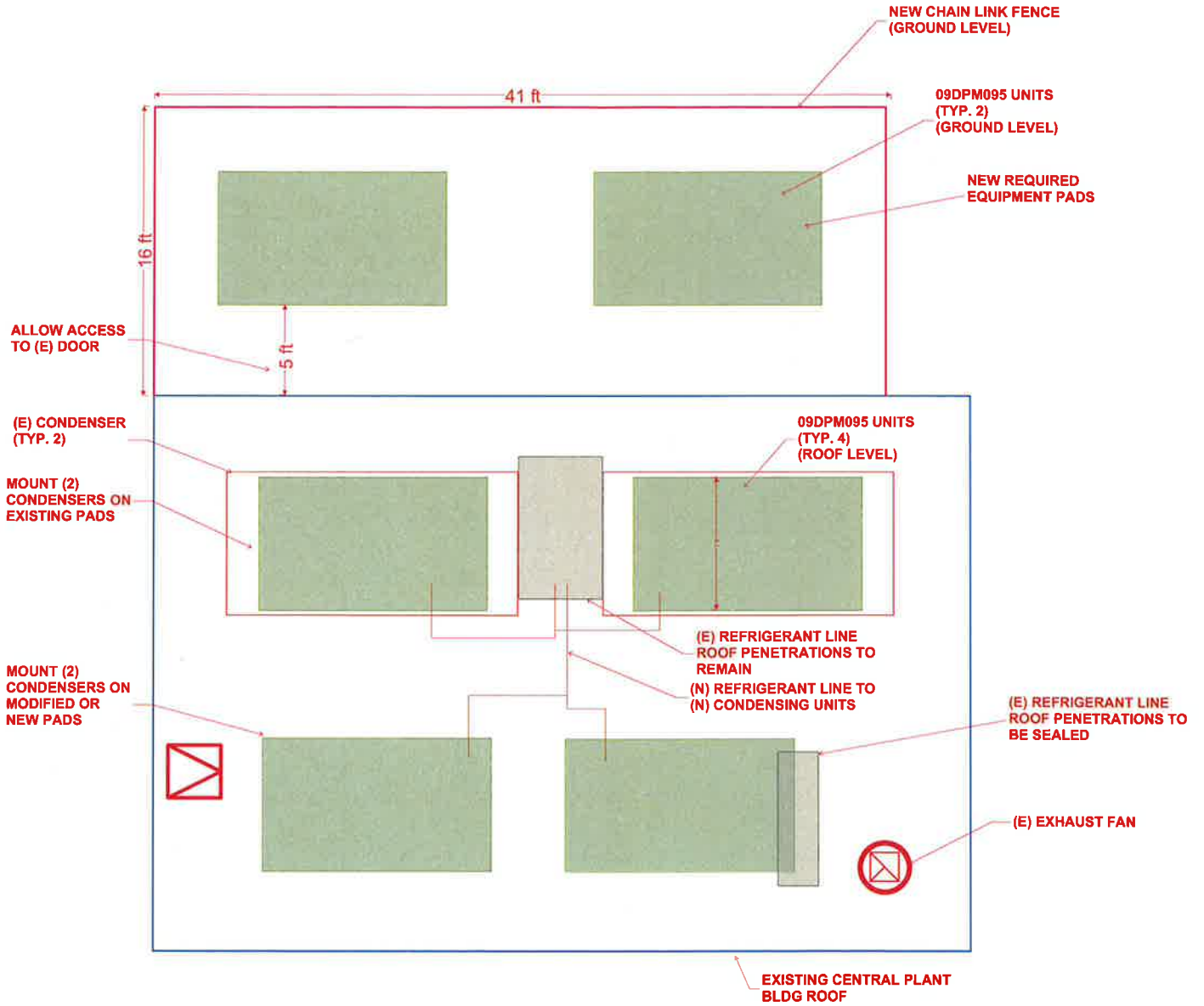
- Two (2) new condensers can be mounted on new/modified equipment pads on the roof of the existing chiller building
- Existing refrigerant line penetrations on the North side of the roof for two (2) chillers to connect to (4) new condensers can be reused.
- Existing refrigerant line penetrations on the South side of the roof for one (1) chiller to be sealed.
- Two (2) new condensers can be mounted on the ground North of the chiller building on new equipment pads (*requires demo of existing trees, installation of a new chain link fence*)
 - Equipment mounted 5' North of chiller building wall to allow for access to existing door

The following items will need to be coordinated as part of the chiller remote air-cooled condenser replacement project:

- Structural:
 - Confirm existing chiller room roof structure can support new distribution of equipment weight
 - Design of modified/new roof pad for two (2) new air-cooled condensers
 - Design of new pad for two (2) new air-cooled condensers on ground level
 - Coordinate sealing of existing roof penetration for refrigerant lines with roofing contractor
 - Coordinate possible new roof opening if existing exhaust fan needs to be relocated
- Roofing contractor
 - Coordinate with structural regarding new/modified equipment pad & opening & sealing of existing roof penetrations for refrigerant lines
- Electrical:
 - Determine required building electrical modifications or upgrades to provide power to all six (6) new air-cooled condensing units
- Acoustic Consultant:
 - Determine if acoustic impact of new condensers is acceptable & whether or not condensers should be ordered with low sound option
- General Contractor:
 - Installation of a new fence around two (2) new air-cooled condensers mounted on the ground level. See Appendix 1 for preliminary dimensions of fence

END OF MEMORANDUM

APPENDIX 1: PRELIMINARY LAYOUT



Project Scope of work

APPENDIX 1: PRELIMINARY LAYOUT





Model number nomenclature

09DP M 095 6 4 - 0 0 1 0 0

09DP -- Split System Condenser

Refrigeration Circuit Options*
 M - Multiple Refrigeration Circuit
 S - Single Refrigeration Circuit

Unit Size

018	050	095
020	060	115
030	065	130
035	075	
040	085	

Power Supply
 1 - 575-3-60
 2 - 380-3-60
 5 - 208/230-3-60
 6 - 480-3-60
 9 - 380/415-3-50

Condenser Coil/Low Sound Options
 0 - Aluminum Fin / Copper Tube, No Sound Treatment
 1 - Copper Fin / Copper Tube, No Sound Treatment
 2 - Aluminum Pre-Coat Fin / Copper Tube, No Sound Treatment
 3 - Aluminum E-Coat Fin / Copper Tube, No Sound Treatment
 4 - Micro Channel (MCHX), No Sound Treatment
 5 - E-Coat Micro Channel (MCHX), No Sound Treatment
 6 - Copper E-Coat Fin / Copper Tube, No Sound Treatment
 7 - Aluminum Fin / Copper Tube, Low Sound Fan(s)
 8 - Copper Fin / Copper Tube, Low Sound Fan(s)
 9 - Aluminum Pre-Coat Fin / Copper Tube, Low Sound Fan(s)
 B - Aluminum E-Coat Fin / Copper Tube, Low Sound Fan(s)
 C - Micro Channel (MCHX), Low Sound Fan(s)
 D - E-Coat Micro Channel (MCHX), Low Sound Fan(s)
 F - Copper E-Coat Fin / Copper Tube, Low Sound Fan(s)

Revision Level
 -- Current Revision Level

Packaging/Security Options

- 0 - Std Packaging
- 4 - Security Grilles/Hail Guards Only
- 8 - Bottom Skid Only
- D - Bottom Skid, Security Grilles/Hail Guards
- J - Bottom Skid, Top Crate, Bag
- N - Bottom Skid, Top Crate, Bag, Security Grilles/Hail Guards

Not Used

Electrical Options

- 0 - Single Point Power, Terminal Block
- 1 - Single Point Power, Non-Fused Disconnect

Ambient/Interrupt Options

- 0 - Std Ambient, Std Interrupt
- 3 - Std Ambient, High Interrupt
- 6 - Low Ambient, Std Interrupt
- 9 - Low Ambient, High Interrupt

Configuration

- 0 - MCHX
- 1 - RTPF

LEGEND

MCHX — Microchannel Heat Exchanger
 RTPF — Round Tube Plate Fin

*09DPS units available in sizes 018-030. 09DPM units available in sizes 035-130.

Quality Assurance

Certified to ISO 9001



Project Scope of work

09DP085-130 UNITS — English (cont)

09DP UNIT SIZE	09DPM085		09DPM095		09DPM115		09DPM130	
CAPACITY, 60 Hz (tons)*	115.6		129.4		149.4		172.0	
CAPACITY, 50 Hz (tons)*	96.3		107.8		124.5		143.3	
Circuit	Dual Circuit	Single Circuit	Dual Circuit	Single Circuit	Dual Circuit	Single Circuit	Dual Circuit	Single Circuit
OPERATING WEIGHTS (lb)								
MCHX Standard	1933		1933		2447		2533	
MCHX With Low Sound Option	2041		2041		2573		2677	
Cu-Al RTPF	2296		2296		2885		3054	
Cu-Al RTPF With Low Sound Option	2404		2404		3011		3198	
Cu-Cu RTPF	3016		3016		3725		4014	
Cu-Cu RTPF With Low Sound Option	3124		3124		3851		4158	
MCHX APPROXIMATE TOTAL REFRIGERANT CHARGE R-410A (lb)	52.8		52.8		61.6		70.4	
RTPF APPROXIMATE TOTAL REFRIGERANT CHARGE R-410A (lb)	135.3		151.8		177.1		202.4	
MCHX APPROXIMATE TOTAL REFRIGERANT CHARGE R-134a (lb)	61.0		61.0		71.1		81.3	
RTPF APPROXIMATE TOTAL REFRIGERANT CHARGE R-134a (lb)	156.3		175.4		204.4		233.7	
Nitrogen Shipping Charge	5 psig							
Condenser Fans								
Standard	Propeller Type - Direct Drive							
Quantity	6	6	6	6	7	7	8	8
Motor Hp (per fan)	1	1	1	1	1	1	1	1
RPM	1140 (60 Hz), 950 (50 Hz)							
Diameter (in.)	30							
Airflow (cfm) (60 Hz)†	67,500		67,500		78,750		90,000	
Airflow (cfm) (50 Hz)†	56,250		56,250		65,620		75,000	
Total Watts (60 Hz)†	9600		9600		11,200		12,800	
Total Watts (50 Hz)†	8000		8000		9333		10,667	
Low Noise	Plastic Type - Direct Drive							
Quantity	6	6	6	6	7	7	8	8
Motor Hp (per fan)	1	1	1	1	1	1	1	1
RPM	850 (60 Hz), 700 (50 Hz)							
Diameter (in.)	30							
Airflow (cfm) (60 Hz)†	62,400		62,400		72,800		83,200	
Airflow (cfm) (50 Hz)†	52,000		52,000		60,670		69,330	
Total Watts (60 Hz)†	7800		7800		9100		10,400	
Total Watts (50 Hz)†	6500		6500		7583		8667	
Coil DETAIL								
No. Coils per Circuit (Ckt A/Ckt B)	3/2	5	3/3	6	4/3	7	5/3	8
Circuit % (Ckt A/Ckt B)	60/40	100	50/50	100	57/43	100	63/37	100
Total Coils	5	5	6	6	7	7	8	8
sq ft	124.7	124.7	149.6	149.6	174.6	174.6	199.5	199.5
PIPING								
Pressure Relief	Fusible Plug on liquid lines of both circuits - 210°F							
Hot Gas Connection Line Size (in.)	1 ⁵ / ₈ + 1 ³ / ₈	2 ¹ / ₈	1 ⁵ / ₈ + 1 ⁵ / ₈	2 ¹ / ₈	1 ⁵ / ₈ + 1 ⁵ / ₈	2 ¹ / ₈	1 ⁵ / ₈ + 1 ⁵ / ₈	2 ¹ / ₈
Liquid Connection Line Size (in.)	7 ⁷ / ₈ + 7 ⁷ / ₈	1 ¹ / ₈	7 ⁷ / ₈ + 7 ⁷ / ₈	1 ¹ / ₈	7 ⁷ / ₈ + 7 ⁷ / ₈	1 ¹ / ₈	1 ¹ / ₈ + 7 ⁷ / ₈	1 ³ / ₈
CHASSIS DIMENSIONS (ft-in.)								
Length	12-8	12-8	12-8	12-8	16-0	16-0	16-0	16-0
Width	7-5	7-5	7-5	7-5	7-5	7-5	7-5	7-5
Height								
Standard	6-1	6-1	6-1	6-1	6-1	6-1	6-1	6-1
Low Sound	6-7	6-7	6-7	6-7	6-7	6-7	6-7	6-7

LEGEND

MCHX — Microchannel Heat Exchanger
 RTPF — Round Tube Plate Fin includes both aluminum/copper and copper/copper coils

*Nominal heat rejection based on optimum refrigerant charge of R-410A with 15°F subcooling at 30°F temperature difference.

†Condenser fan airflow and power are for units operating at full load and 95°F ambient.

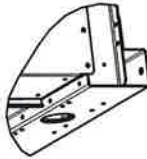
Dimensions (cont)



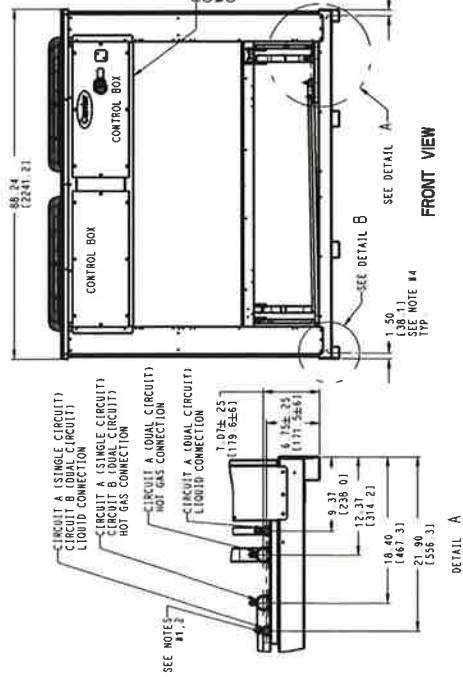
09DPPM075-095 UNITS

UNIT CONFIGURATION	CENTER OF GRAVITY		UNIT HEIGHT	PIPING CONNECTIONS				PIPING LOCATIONS
	X	Y		HOT GAS	LIQUID	CIRCUIT A	CIRCUIT B	
DISPPOS:1	SINGLE	73.0 (1854.1)	2-1/8 (54.1)	1-7/8 (29.1)	1-7/8 (29.1)	7/8 (22.1)	9.00 (228.6)	0.83 (21.0)
			1-5/8 (44.1)	1-5/8 (44.1)	1-5/8 (44.1)	7/8 (22.1)	7/8 (22.1)	9.00 (228.6)
DISPPOS:3	SINGLE	76.5 (1934.4)	2-1/8 (54.1)	1-7/8 (29.1)	1-7/8 (29.1)	7/8 (22.1)	9.00 (228.6)	0.83 (21.0)
			1-5/8 (44.1)	1-5/8 (44.1)	1-5/8 (44.1)	7/8 (22.1)	7/8 (22.1)	9.00 (228.6)
DISPPOS:5	SINGLE	73.0 (1854.1)	2-1/8 (54.1)	1-7/8 (29.1)	1-7/8 (29.1)	7/8 (22.1)	9.00 (228.6)	0.83 (21.0)
			1-5/8 (44.1)	1-5/8 (44.1)	1-5/8 (44.1)	7/8 (22.1)	7/8 (22.1)	9.00 (228.6)
DISPPOS:3	SINGLE	76.5 (1934.4)	2-1/8 (54.1)	1-7/8 (29.1)	1-7/8 (29.1)	7/8 (22.1)	9.00 (228.6)	0.83 (21.0)
			1-5/8 (44.1)	1-5/8 (44.1)	1-5/8 (44.1)	7/8 (22.1)	7/8 (22.1)	9.00 (228.6)
DISPPOS:5	SINGLE	73.0 (1854.1)	2-1/8 (54.1)	1-7/8 (29.1)	1-7/8 (29.1)	7/8 (22.1)	9.00 (228.6)	0.83 (21.0)
			1-5/8 (44.1)	1-5/8 (44.1)	1-5/8 (44.1)	7/8 (22.1)	7/8 (22.1)	9.00 (228.6)

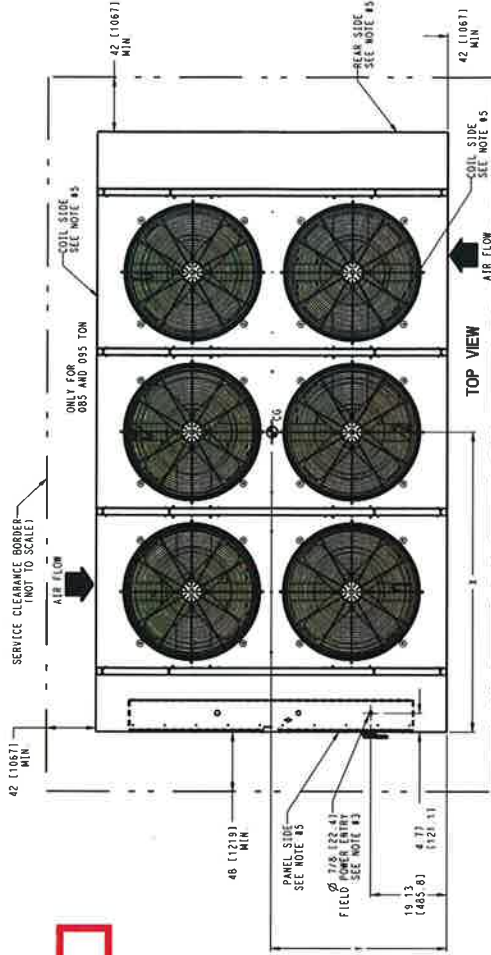
- NOTES:
- BE SURE TO USE A WET BAG AND REMOVE ALL VALVE CORES BEFORE BRAZING FIELD PIPING.
 - TEMPERATURE RELIEF DEVICES LOCATED ON LIQUID LINE AND HAVE A 3/8" SAE FLARE CONNECTION DO NOT CAP OR OTHERWISE OBSTRUCT THE TEMPERATURE/PRESSURE RELIEF.
 - ACTUAL HOLE REQUIRED DEPENDS ON FIELD WIRE SIZING.
 - ACTUAL HOLE REQUIRED DEPENDS ON FIELD WIRE SIZING.
 - UNIT MUST HAVE CLEARANCES AS FOLLOWS:
COIL AND REAR SIDES - 42 (1067) FROM SOLID SURFACE.
PANEL SIDES - 48 (1219) PER NEC.
SEE TABLE COLUMN "H" DIMENSION FOR STANDARD AND LOW SOUND WITH STACK FAN OPTION.
 - CARRIER DOES NOT RECOMMEND INSTALLATION IN A PIT.
 - UNIT CAN BE HANDLED USING CRANE. REFER TO SERVICE INSTALLATION INSTRUCTION.
 - DIMENSIONS IN () ARE IN MILLIMETERS.



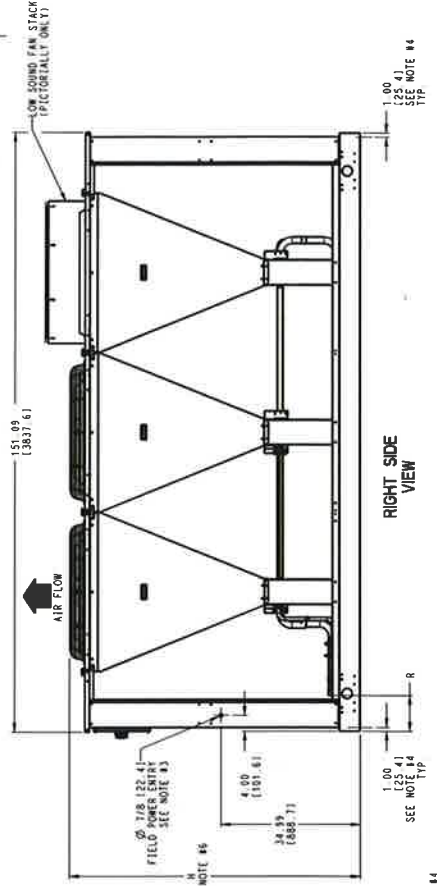
DETAIL B



FRONT VIEW



TOP VIEW



RIGHT SIDE VIEW

U.S. ECCN: 1E998	SHEET: 1 OF 1	DATE: 02/28/19	SUPERCEDS: 10/31/18	09DP075-095 UNIT ASSY	09DP555558	REV: F
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STANDARD FAN (cont)

09DP UNIT SIZE	V-Ph-Hz	SUPPLY VOLTAGE		CONDENSER FAN		MCA	MOCP
		Min	Max	TOTAL QTY	FLA		
065	208/230-3-60	187	254	4	6.6	28.1	30
	380-3-60	342	418		3.9	16.6	20
	460-3-60	414	506		3.3	14.0	15
	575-3-60	518	632		2.6	11.1	15
	380/415-3-50	342	440		3.3	14.0	15
075	208/230-3-60	187	254	5	6.6	34.7	40
	380-3-60	342	418		3.9	20.5	25
	460-3-60	414	506		3.3	17.3	20
	575-3-60	518	632		2.6	13.7	15
	380/415-3-50	342	440		3.3	17.3	20
085	208/230-3-60	187	254	6	6.6	41.3	45
	380-3-60	342	418		3.9	24.4	25
	460-3-60	414	506		3.3	20.6	25
	575-3-60	518	632		2.6	16.3	15
	380/415-3-50	342	440		3.3	20.6	25
095	208/230-3-60	187	254	6	6.6	41.3	45
	380-3-60	342	418		3.9	24.4	25
	460-3-60	414	506		3.3	20.6	25
	575-3-60	518	632		2.6	16.3	15
	380/415-3-50	342	440		3.3	20.6	25
115	208/230-3-60	187	254	7	6.6	47.9	50
	380-3-60	342	418		3.9	28.3	30
	460-3-60	414	506		3.3	23.9	25
	575-3-60	518	632		2.6	18.9	20
	380/415-3-50	342	440		3.3	23.9	25
130	208/230-3-60	187	254	8	6.6	54.5	60
	380-3-60	342	418		3.9	32.2	35
	460-3-60	414	506		3.3	27.2	30
	575-3-60	518	632		2.6	21.5	25
	380/415-3-50	342	440		3.3	27.2	30

LEGEND

- AWG — American Wire Gage
- FIOF — Factory-Installed Option
- FLA — Full Load Amps
- MCA — Minimum Circuit Amps, complies with NEC, Article 430-24
- MOCP — Maximum Overcurrent Protection (Amps)
- NEC — National Electrical Code

NOTES:

1. Units are suitable for use on electrical systems where voltage supplied to the unit terminals is not below or above the listed minimum and maximum limits. Maximum allowable phase imbalance is voltage 2% and amps 10%.
2. All units or modules have single point primary power connection. Main power must be supplied from a field-supplied disconnect.

3. All terminal block units should be capable of handling 14 AWG to 2 AWG.
4. Disconnect units with MOCP of greater than 40 require 8 AWG to 1 AWG.
5. Disconnect units with MOCP less than 40 require 14 AWG to 6 AWG.
6. For all high short circuit capable FIOF units, fuses must be used for overload protection.





60 Hz NO SOUND TREATMENT FAN, SOUND POWER DATA (dB)

UNIT	OCTAVE BAND CENTER FREQUENCY (Hz)									dBa
	31.5	63.0	125.0	250.0	500.0	1000.0	2000.0	4000.0	8000.0	
09DPS018	34.6	66.9	74.1	80.4	86.2	86.5	83.5	81.1	75.7	91.4
09DPS020	37.6	69.9	77.1	83.4	89.2	89.5	86.5	84.1	78.8	94.4
09DPS030	37.6	69.9	77.1	83.4	89.2	89.5	86.5	84.1	78.8	94.4
09DPM035	37.6	69.9	77.1	83.4	89.2	89.5	86.5	84.1	78.8	94.4
09DPM040	39.4	71.7	78.9	85.1	90.9	91.2	88.3	85.9	80.5	96.2
09DPM050	40.6	72.9	80.1	86.4	92.2	92.5	89.5	87.1	81.8	97.4
09DPM060	40.6	72.9	80.1	86.4	92.2	92.5	89.5	87.1	81.8	97.4
09DPM065	40.6	72.9	80.1	86.4	92.2	92.5	89.5	87.1	81.8	97.4
09DPM075	41.6	73.9	81.1	87.4	93.1	93.5	90.5	88.1	82.7	98.4
09DPM085	42.4	74.7	81.9	88.2	93.9	94.2	91.3	88.9	83.5	99.2
09DPM095	42.4	74.7	81.9	88.2	93.9	94.2	91.3	88.9	83.5	99.2
09DPM115	43.0	75.4	82.6	88.8	94.6	94.9	92.0	89.6	84.2	99.9
09DPM130	43.6	75.9	83.1	89.4	95.2	95.5	92.6	90.2	84.8	100.5

60 Hz LOW SOUND FAN, SOUND POWER DATA (dB)

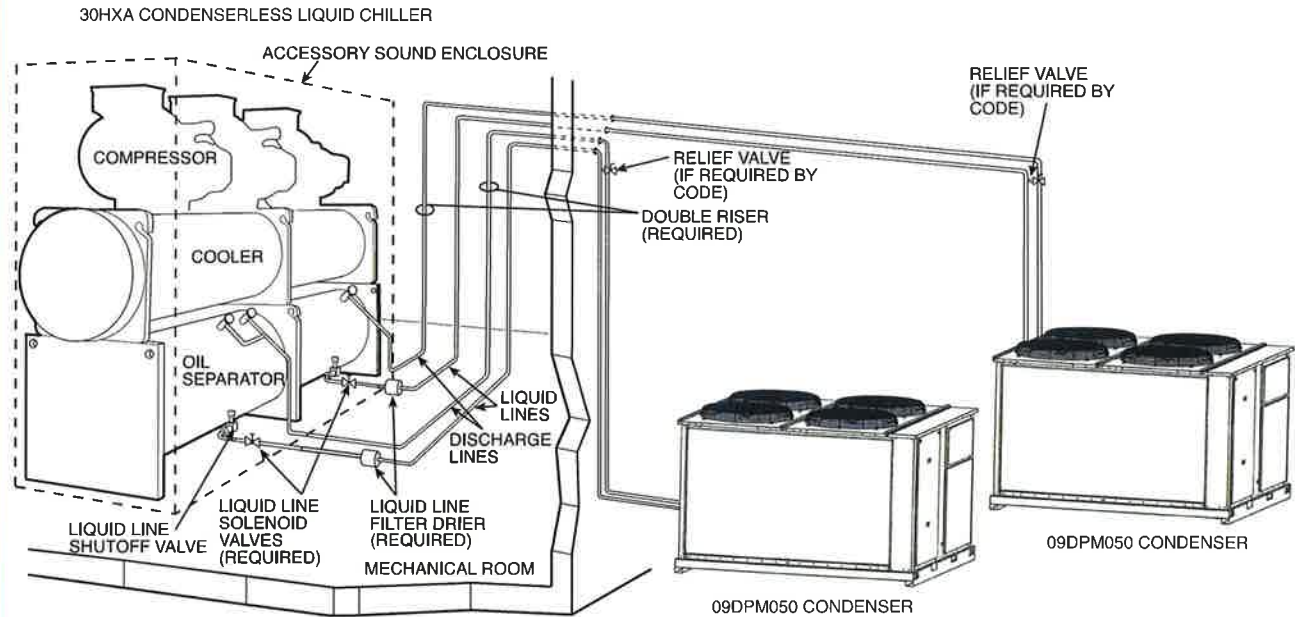
UNIT	OCTAVE BAND CENTER FREQUENCY (Hz)									dBa
	31.5	63.0	125.0	250.0	500.0	1000.0	2000.0	4000.0	8000.0	
09DPS018	34.7	47.6	64.0	72.1	78.3	79.8	75.7	71.1	59.2	83.7
09DPS020	37.7	50.7	67.0	75.1	81.3	82.8	78.7	74.1	62.2	86.7
09DPS030	37.7	50.7	67.0	75.1	81.3	82.8	78.7	74.1	62.2	86.7
09DPM035	33.1	45.0	67.4	72.2	78.3	81.8	77.1	72.6	60.6	84.9
09DPM040	34.9	46.7	69.1	74.0	80.0	83.5	78.8	74.3	62.4	86.7
09DPM050	36.1	48.0	70.4	75.3	81.3	84.8	80.1	75.6	63.6	87.9
09DPM060	36.1	48.0	70.4	75.3	81.3	84.8	80.1	75.6	63.6	87.9
09DPM065	36.1	48.0	70.4	75.3	81.3	84.8	80.1	75.6	63.6	87.9
09DPM075	37.1	148.9	71.3	76.2	82.3	85.7	81.1	76.6	64.6	88.9
09DPM085	37.9	49.7	72.1	77.0	83.1	86.5	81.9	77.3	65.4	89.7
09DPM095	37.9	49.7	72.1	77.0	83.1	86.5	81.9	77.3	65.4	89.7
09DPM115	38.6	50.4	72.8	77.7	83.7	87.2	82.5	78.0	66.1	90.4
09DPM130	39.1	51.0	73.4	78.3	84.3	87.8	83.1	78.6	66.6	90.9

NOTES:

1. Estimated sound power levels are -dB re 1 Picowatt.
2. The estimated sound power levels are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center on its base.
3. Sound power levels are shown above were determined in accordance with AHRI standard 70 for large outdoor refrigeration and air conditioning equipment.



TYPICAL 30HXA CONDENSERLESS LIQUID CHILLER REFRIGERANT PIPING TO 09DP REMOTE CONDENSERS (30HXA076 and 09DPM050 Units Shown)



NOTES:

1. Chiller and condenser must be installed *levelly* to maintain proper compressor oil return.
2. Wiring and piping shown are general points-of-connection guides only and are not intended for a specific installation. Wiring and piping shown are for a quick overview of system and are not in accordance with recognized standards.
3. All wiring must comply with applicable local and national codes.
4. All piping must follow standard piping techniques. Refer to Carrier System Design Manual part 3, Carrier E20-II software Refrigerant Piping program, or appropriate ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers) handbook for details on proper piping sizes and design.
5. See Physical Data section for approximate refrigerant charge.
6. Hot gas lines should rise above refrigerant level in condenser circuit. Double riser may be required; check unit minimum capacity.
7. Trap should be installed on hot gas lines to prevent condenser oil and refrigerant vapor migration from accumulating in the compressor during off cycle.
8. Pitch all horizontal lines downward in the direction of refrigerant flow.
9. For piping lengths greater than 50 ft (15.2 m), provide support to liquid and gas lines near the connections to the condenser coil.
10. For pressure relief requirements, see latest revision of ASHRAE Standard 15, Safety Code for Mechanical Refrigeration.
11. All 09DP units have factory-installed contactors.



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP - 0184 - 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: [] New [X] Renewal

Manufacturer Information

Manufacturer: Carrier Corporation

Manufacturer's Technical Representative: Anthony Molavi

Mailing Address: 9701 Old Statesville Road, Charlotte, NC 28269

Telephone: (704) 921-3976 Email: Anthony.Molavi@carrier.utc.com

Product Information

Product Name: Carrier AquaSnap Chillers & Gemini Splits Systems

Product Type: Air-Cooled Chillers & Split Systems

Product Model Number: 30RAP (10-150 tons), 30MPA (15-74), 30MPW(15-74), 38AP (25-130), 09DP (018-130), 30XA and 30XV (80-500)
(List all unique product identification numbers and/or part numbers)

General Description: Air-cooled chillers. Seismic enhancements made to the test units and modifications required to address anomalies observed during testing shall be incorporated in the production units.

Mounting Description: Rigid base mounted (30RAP, 30MPA, 30MPW, 38AP, 09DP, 30XA and 30XV)
Neoprene or rigid base mounted (30XA and 30XV), refer to table 1

Applicant Information

Applicant Company Name: Carrier Corporation

Contact Person: Anthony Molavi

Mailing Address: 9701 Old Statesville Road, Charlotte, NC 28269

Telephone: (704) 921-3976 Email: Anthony.Molavi@carrier.utc.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant: Anthony Molavi Date: 03/1/2018

Title: Engineering Manager Company Name: Carrier Corporation

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

