

NOTES:

1. (M)- FAN MOTOR LOCATION
2. HEAVIEST SECTION IS COIL SECTION
3. MPT DENOTES MALE PIPE THREAD
FPT DENOTES FEMALE PIPE THREAD
BFW DENOTES BEVELED FOR WELDING
GVD DENOTES GROOVED
FLG DENOTES FLANGE
4. +UNIT WEIGHT DOES NOT INCLUDE ACCESSORIES (SEE ACCESSORY DRAWINGS)
5. 3/4" [19mm] DIA. MOUNTING HOLES. REFER TO RECOMMENDED STEEL SUPPORT DRAWING
6. DIMENSIONS LISTED AS FOLLOWS: ENGLISH FT IN [METRIC] [mm]
7. * - APPROXIMATE DIMENSIONS DO NOT USE FOR PRE-FABRICATION OF CONNECTING PIPING
8. MAKE-UP WATER PRESSURE
20 psi [137 kPa] MIN, 50 psi [344 kPa] MAX
9. VENT PROVIDED ON CLOSED CIRCUIT COOLERS ONLY

DETAIL A

Diagram showing a cross-section of the unit. Dimensions include: 1'-11" [584] for the overall width, 2'-7" [787] for the overall height, 6" [153] for the distance from the bottom to the coil section, and 10" [255] for the distance from the top to the coil section. Labels indicate 'LWCO HEATER (At opposite end)' and 'HEATER (At opposite end)'.

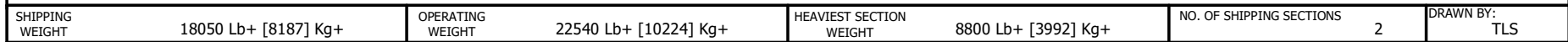
FACE B

PLAN VIEW

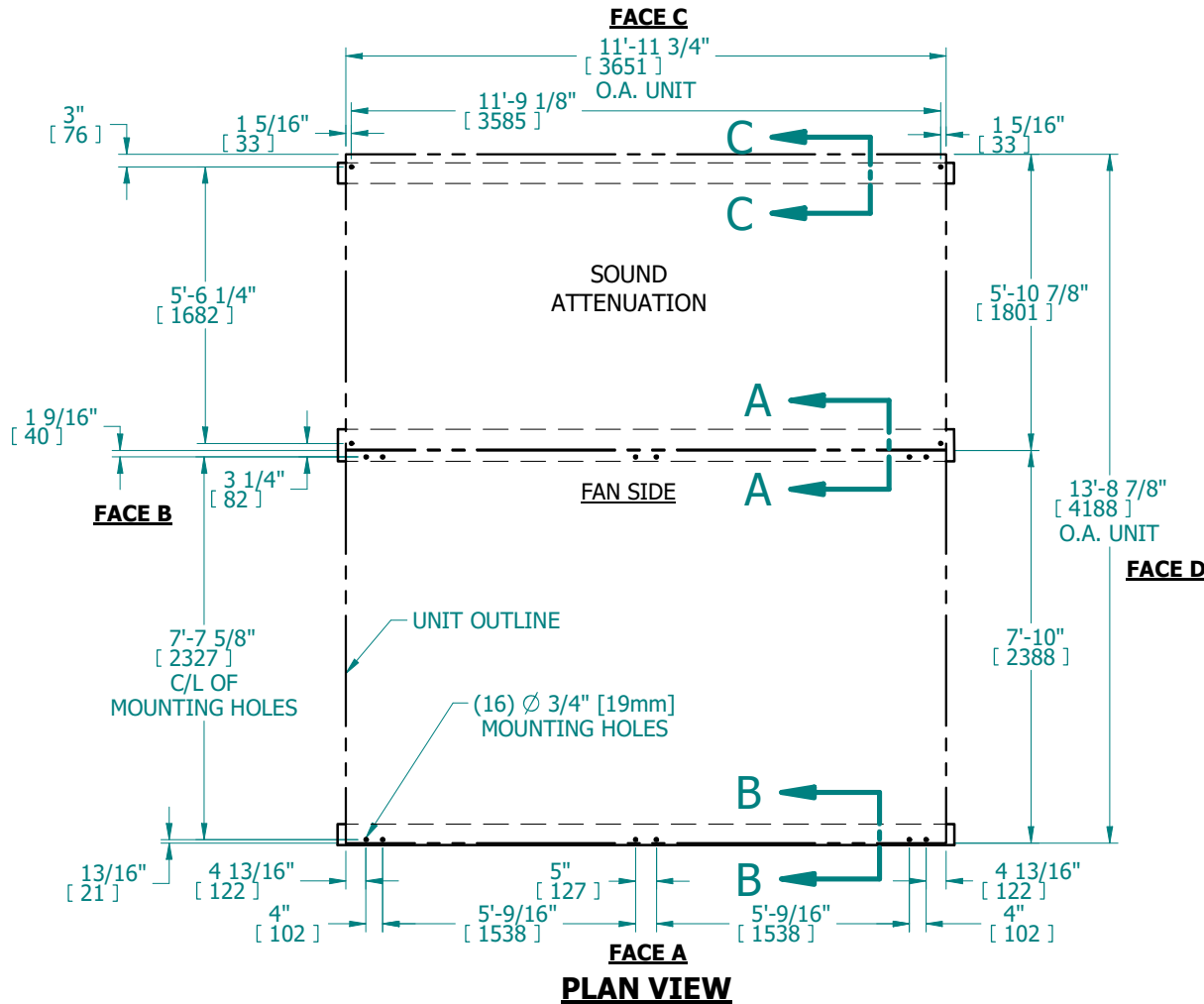
Diagram showing the plan view of the unit. Dimensions include: 7'-10" [2388] for the overall width and 10" [255] for the distance from the top to the coil section. Labels indicate 'LWCO HEATER' and 'HEATER'.

FACE C

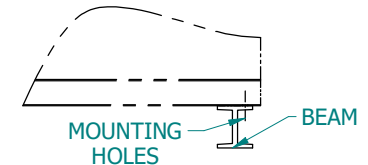
FACE D



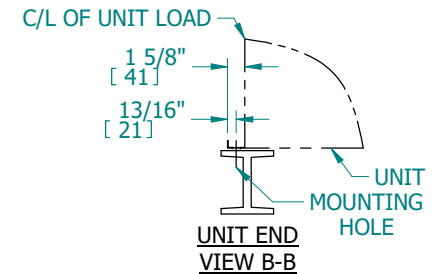
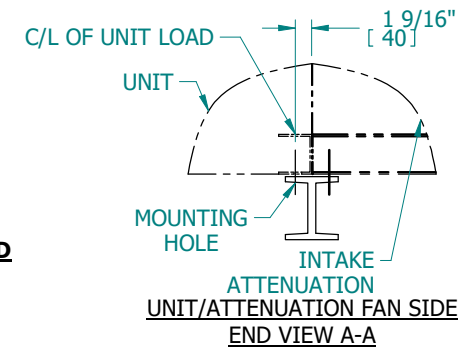
UNIT	8Px12 LSE UNITS	EVAPCO, INC. 	DWG. #	SLAACEP812-DC	
TITLE	STEEL SUPPORT CONFIG. W/ATTENUATION		SCALE	N.T.S.	DRAWN BY SLR



INTAKE SOUND ATTENUATION

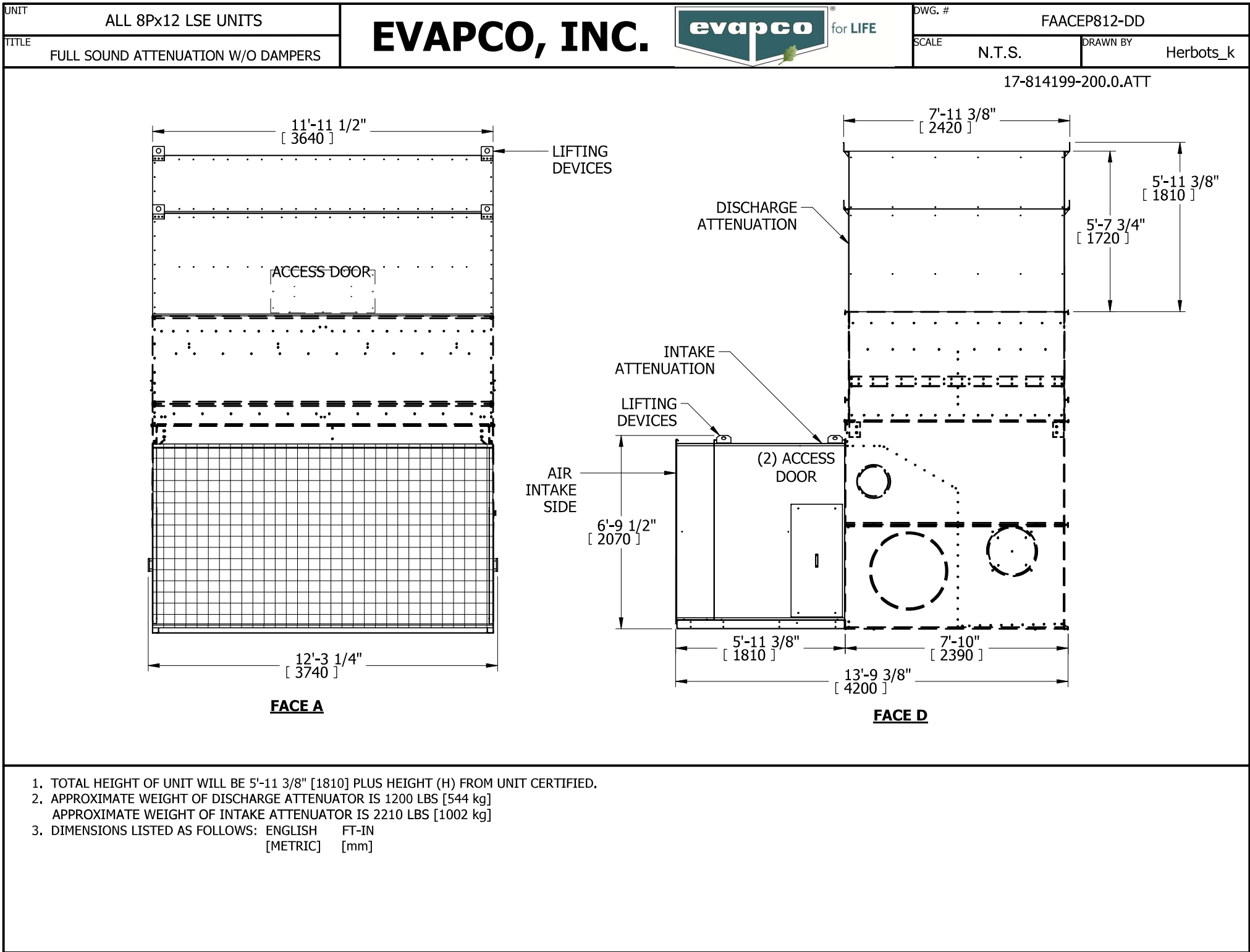


ATTENUATION SIDE VIEW C-C

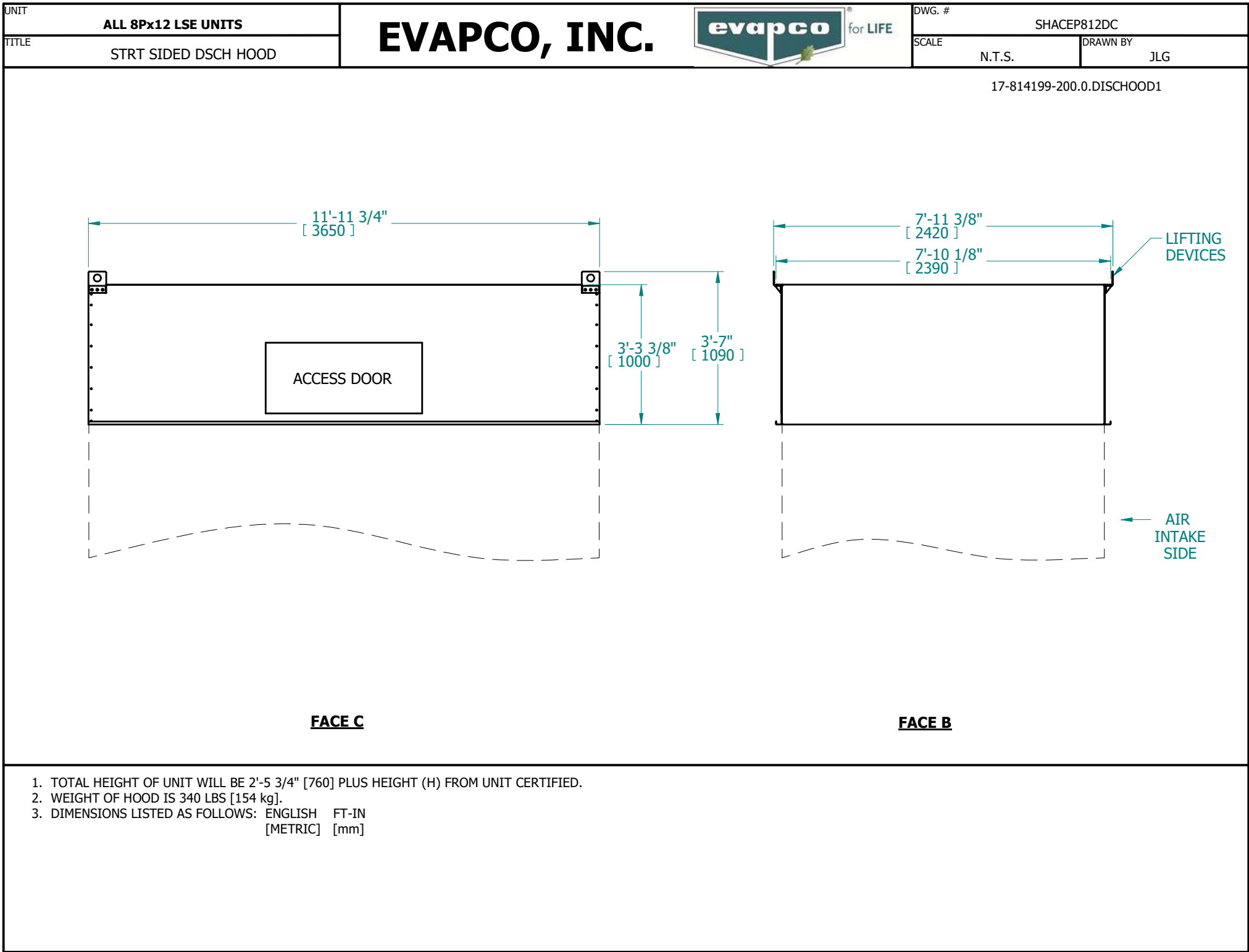


NOTES:

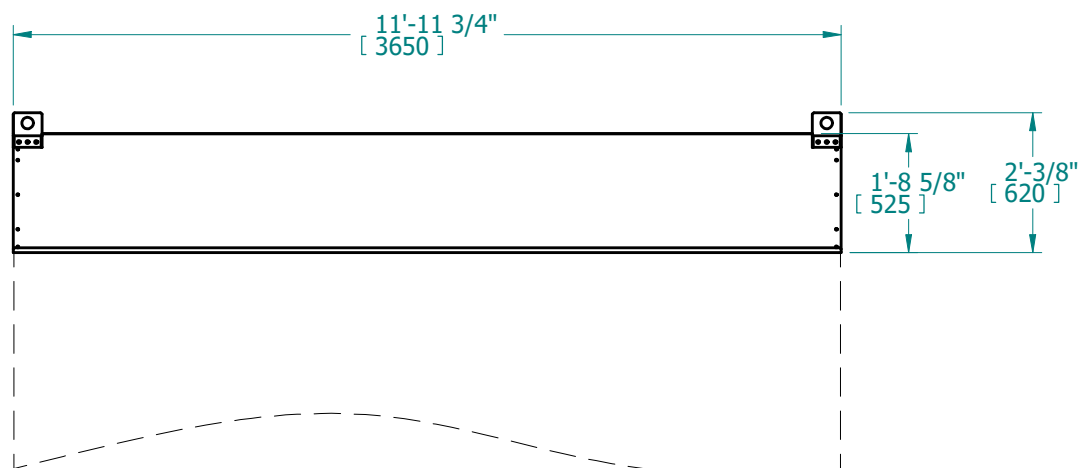
- BEAMS SHOULD BE SIZED IN ACCORDANCE WITH ACCEPTED STRUCTURAL PRACTICES. MAXIMUM DEFLECTION OF BEAM UNDER UNIT TO BE 1/360 OF UNIT LENGTH NOT TO EXCEED 1/2" [13mm].
- DEFLECTION MAY BE CALCULATED BY USING 55% OF THE OPERATING WEIGHT AS A UNIFORM LOAD ON EACH BEAM. SEE CERTIFIED PRINT FOR OPERATING WEIGHT.
- SUPPORT BEAMS AND ANCHOR HARDWARE ARE TO BE FURNISHED BY OTHERS. ANCHOR HARDWARE TO BE ASTM - A325 5/8" [16mm] BOLT OR EQUIVALENT.
- BEAMS MUST BE LOCATED UNDER THE FULL LENGTH OF THE PAN SECTION & INTAKE ATTENUATION.
- SUPPORTING BEAM SURFACE MUST BE LEVEL. DO NOT LEVEL THE UNIT BY PLACING SHIMS BETWEEN THE UNIT MOUNTING FLANGE AND THE SUPPORTING BEAM.
- ANCHORING ARRANGEMENT SHOWN HAS A MAXIMUM WIND RATING OF 145 PSF [6.94 kPa] ON CASSED VERTICAL SURFACES.
- THE FACTORY RECOMMENDED STEEL SUPPORT CONFIGURATION IS SHOWN. CONSULT THE FACTORY FOR ALTERNATE SUPPORT CONFIGURATIONS.
- UNIT SHOULD BE POSITIONED ON STEEL SUCH THAT THE ANCHORING HARDWARE FULLY PENETRATES THE BEAM'S FLANGE AND CLEARS THE BEAM'S WEB.
- DIMENSIONS LISTED AS FOLLOWS: ENGLISH FT-IN [METRIC] [mm]



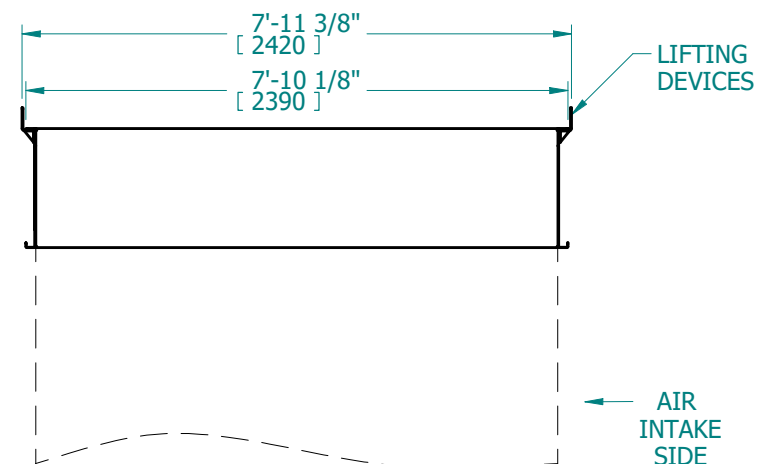
- 1. TOTAL HEIGHT OF UNIT WILL BE 5'-11 3/8" [1810] PLUS HEIGHT (H) FROM UNIT CERTIFIED.
- 2. APPROXIMATE WEIGHT OF DISCHARGE ATTENUATOR IS 1200 LBS [544 kg]
APPROXIMATE WEIGHT OF INTAKE ATTENUATOR IS 2210 LBS [1002 kg]
- 3. DIMENSIONS LISTED AS FOLLOWS: ENGLISH FT-IN
[METRIC] [mm]



17-814199-200.0.DISCHOOD2

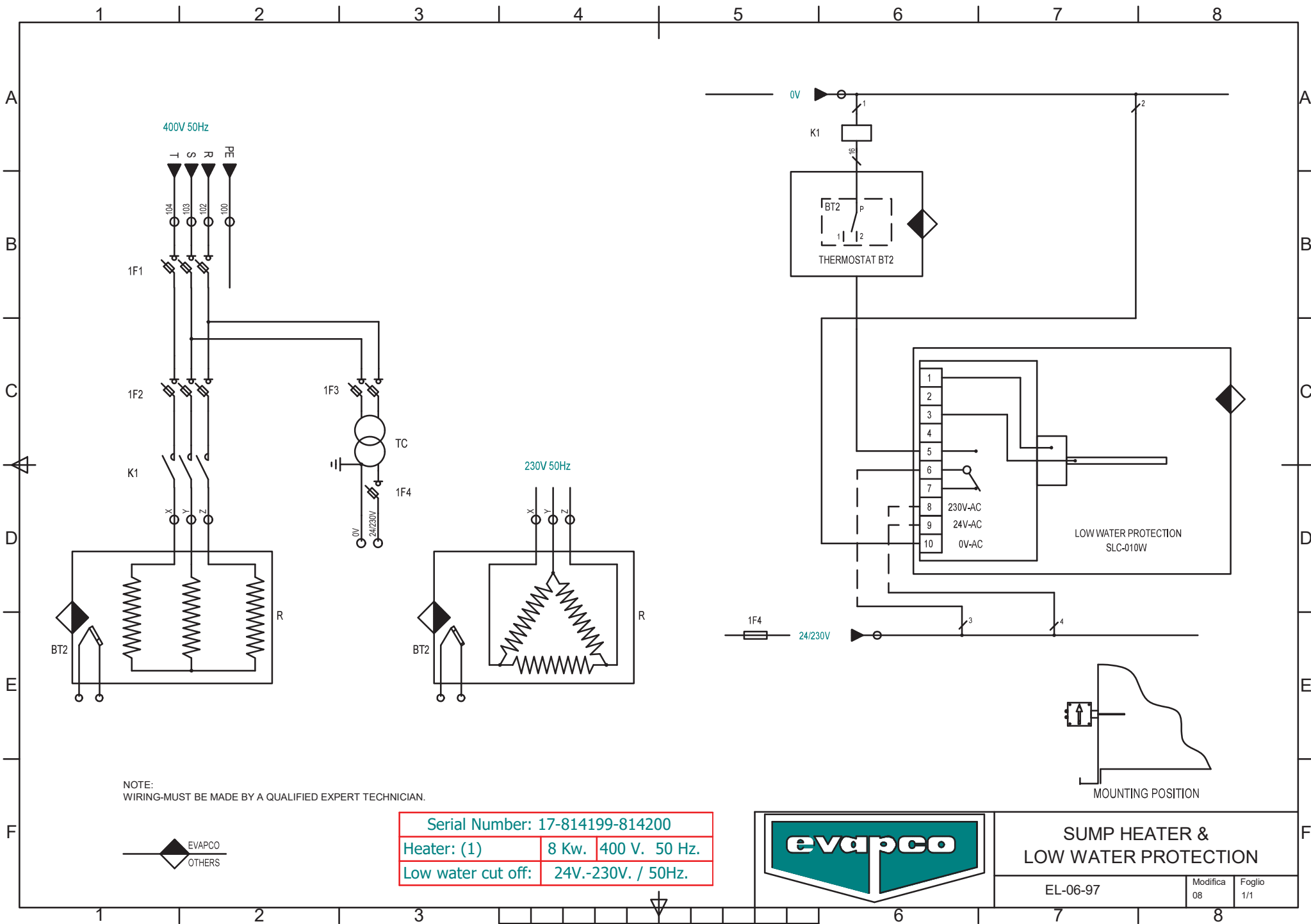


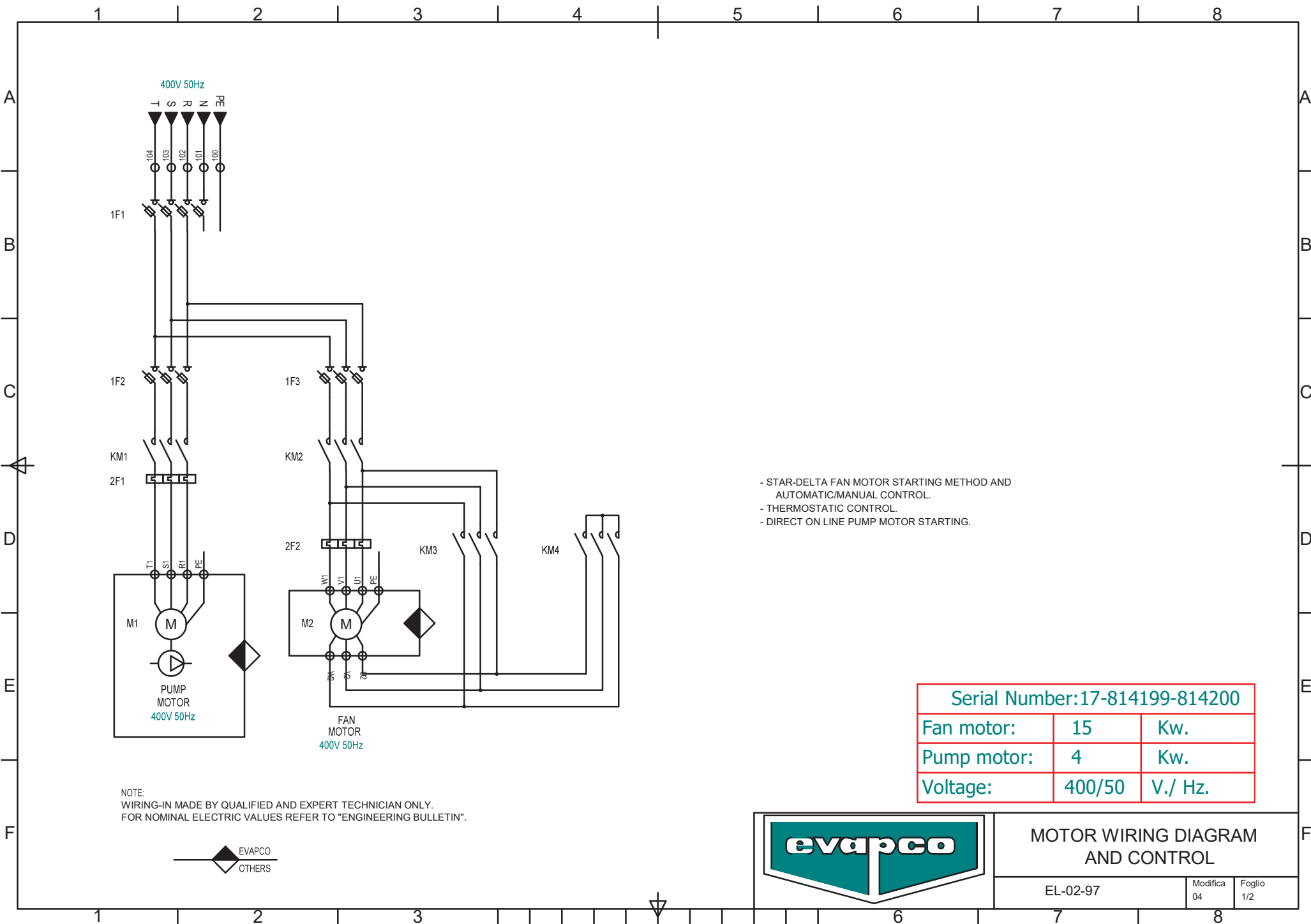
FACE C

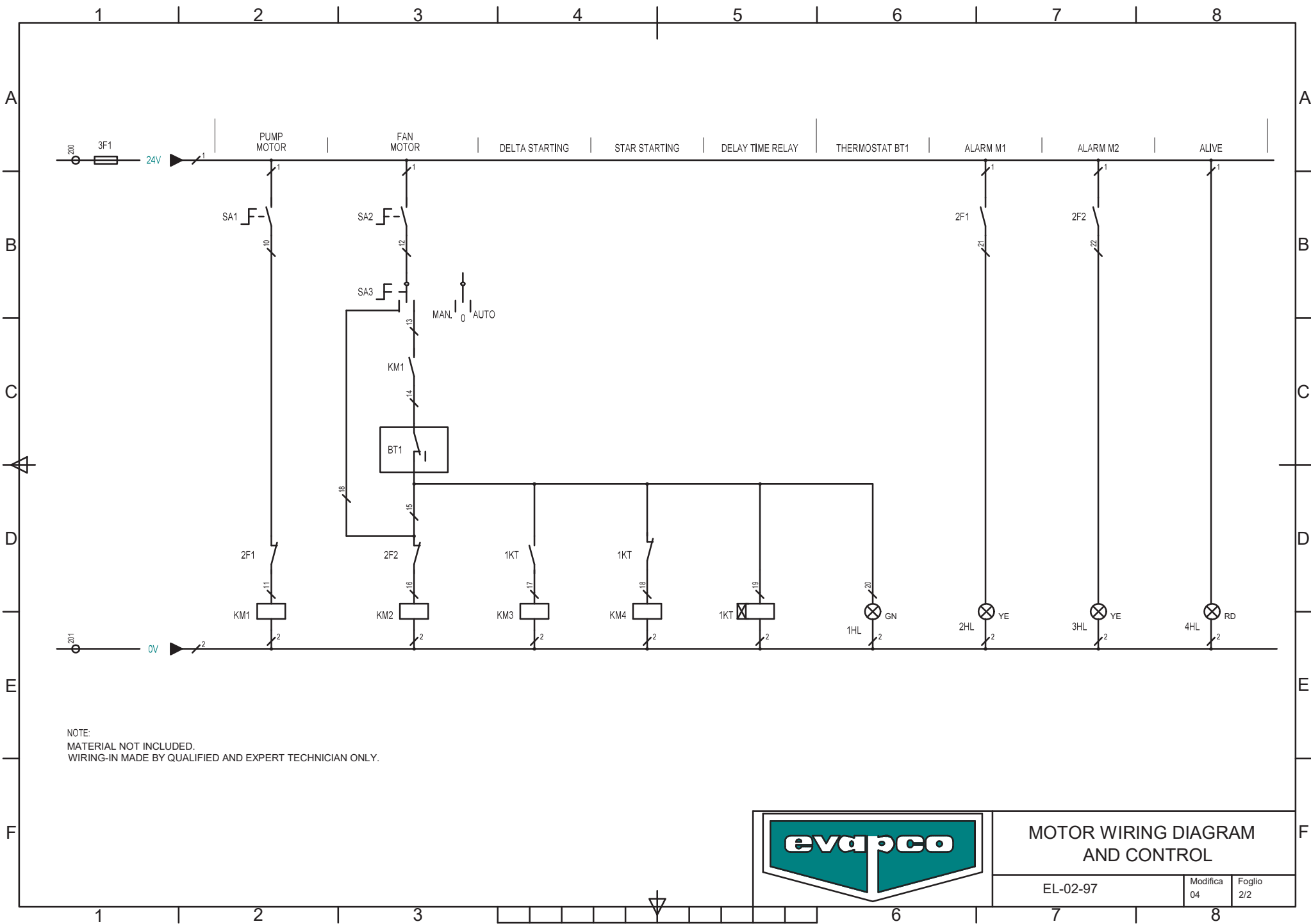


FACE B

1. TOTAL HEIGHT OF UNIT WILL BE 2'-5 3/4" [760] PLUS HEIGHT (H) FROM UNIT CERTIFIED.
2. WEIGHT OF HOOD IS 340 LBS [154 kg].
3. DIMENSIONS LISTED AS FOLLOWS: ENGLISH FT-IN
[METRIC] [mm]







WEG ELECTRIC DATA FOR FAN MOTORS -

W22 Line - TEFC IE3 (Premium Efficiency)

ELEKTRISCHE DATEN LUEFTERMOTOREN WEG

DONNÉES ÉLECTRIQUES POUR MOTEURS VENTILATEURS WEG



Size Baugrosse Grandeur	50 Hz								60 Hz (kW=50Hz)						
	S [rpm] (tr/min) 230/400V	P [kW]	In (amp)						S [rpm] (tr/min) 400V	P [kW]	In (amp)				
			220V	230V	240V	380V	400V	415V			380V	400V	415V	440V	460V
100L-6	950	1.5	6.44	6.44	6.42	3.73	3.70	3.71	1140	1.5	3.50	3.35	3.26	3.15	3.15
112M-6	950	2.2	9.14	9.08	8.92	5.29	5.22	5.16	1140	2.2	5.03	4.79	4.65	4.47	4.44
132M-6	965	4	15.90	15.80	15.60	9.21	9.11	9.03	1160	4	8.94	8.52	8.27	7.95	7.90
80-4	1420	0.75	2.87	2.82	2.77	1.66	1.62	1.60	1694	0.75	1.56	1.50	1.46	1.42	1.43
90S-4	1455	1.1	4.13	4.09	4.05	2.39	2.35	2.34	1747	1.1	2.34	2.23	2.16	2.07	2.05
90L-4	1450	1.5	5.54	5.51	5.45	3.21	3.17	3.15	1740	1.5	3.17	3.02	2.93	2.81	2.79
100L-4	1435	2.2	8.02	7.93	7.78	4.64	4.56	4.50	1696	2.2	4.73	4.48	4.33	4.14	3.96
L100L-4	1440	3	10.8	10.7	10.50	6.26	6.15	6.07	1714	3	6.38	6.05	5.85	5.58	5.33
112M-4	1450	4	14.3	14.0	13.60	8.26	8.03	7.89	1728	4	8.17	7.80	7.58	7.31	7.10
132S-4	1460	5.5	18.5	18.1	17.50	10.7	10.4	10.1	1742	5.5	11.0	10.4	9.95	9.40	8.96
132S-4	1460	5.5				10.7	10.4	10.1	1742	5.5	11.0	10.4	9.95	9.40	8.96
132M-4	1460	7.5				14.5	13.9	13.9	1742	7.5	14.5	13.7	13.2	12.6	12.4
160M-4	1470	11				21.5	20.9	20.6	1757	11	21.8	20.6	19.9	18.9	18.4
160L-4	1465	15				29.1	27.9	28.0	1750	15	29.2	27.6	26.6	25.3	24.7
180M-4	1470	18.5				36.1	35.1	34.7	1757	18.5	36.5	34.6	33.4	31.8	30.6
180L-4	1470	22				42.3	41.0	40.6	1757	22	42.9	40.6	39.1	37.1	36.0
200M-4	1480	30				58.0	57.1	56.4	1771	30	59.5	56.4	54.4	51.7	50.0
225S/M-4	1480	37				69.6	66.8	66.0	1771	37	70.7	66.6	64.0	60.3	58.5
225S/M-4	1475	45				83.4	80.9	79.0	1764	45	86.0	80.9	77.6	73.0	71.2
250S/M-4	1480	55				103.0	98.6	97.5	1780	55	105.0	98.8	94.8	89.2	87.2

In [A] : Rated Current / Nennstrom / Courant Nominal
 S [rpm] : Rated Speed / Drehzahl / Vitesse Nominale
 P [W] : Power / Nennleistung / Puissance

For 480V & 500V = special motor winding, is not the same multi voltage motor as for 380-415V 50Hz & 440-460V 60Hz !!!
Standard winding insulation is suitable for VFD applications up to 460V.
Above 460V up to 690V either reinforced insulation or filters are required.

NOTE: Multivoltage motors in 220-240V/380-415V 50Hz or 460V 60Hz with same power of 50Hz are IE3 as standard
 Multivoltage motors in 380-415V/660-690V 50Hz or 460V 60Hz with same power of 50Hz are IE3 as standard
 Other kW/V/Hz combinations motors see classification by color

Suitable for VFD applications up to 460V. Conditions must remain within the following:

- Maximum voltage peak on motor terminals: 1600V
- dv/dt inverter terminals: $\leq 5200V/\mu s$
- Minimum rise time of the inverter: $t_r > 0,1\mu s$
- Minimum time between consecutive pulses: $t_{ep} > 6\mu s$
- WEG VFD complies with the above condition with no necessity of external filter, since installed accordingly the VFD User's Manual instructions.
- Motor cable length no longer than 100m. For longer cables please contact WEG.



ELECTRIC MOTOR TABLE

Monoblock centrifugal pumps - MP Series

PUMP model	MOTOR kW	220-230/380-400			380-400/660-690			---/440-460			440-460/---		
		50 Hz			50 Hz			60 Hz			60 Hz		
		Rated current	Starting current	Rated speed	Rated current	Starting current	Rated speed	Rated current	Starting current	Rated speed	Rated current	Starting current	Rated speed
		(A)	(A)	(rpm)	(A)	(A)	(rpm)	(A)	(A)	(rpm)	(A)	(A)	(rpm)
EVAPCO PUMP #15	0,37	1,55-1,52/0,89-0,87	9,15-8,97/5,28-5,15	1415-1425				---/0,86-0,84	---/5,1-5,0	1715-1725			
EVAPCO PUMP #15	0,55	2,31-2,27/1,34-1,31	13,6-13,4/7,91-7,73	1415-1425				---/0,82-0,80	---/4,9-4,8	1715-1725			
EVAPCO PUMP #15	0,75	2,97-2,94/1,72-1,69	17,5-17,3/10,1-9,97	1415-1425				---/1,52-1,48	---/9,0-8,8	1725-1735			
EVAPCO PUMP #55	1,1	4,27-4,17/2,47-2,4	27,8-26,5/16,1-15,6	1440-1450				---/2,50-2,40	---/16,3-15,6	1740-1750			
EVAPCO PUMP #57E	1,5	5,73-5,67/3,32-3,26	36,1-35,7/20,9-20,5	1430-1440				---/2,95-2,87	---/18,6-18,0	1735-1745			
EVAPCO PUMP #57E	2,2	8,25-8,07/4,78-4,64	54,5-52,1/31,5-30,6	1415-1425				---/4,86-4,65	---/32,0-30,7	1710-1720			
EVAPCO PUMP #58	4	14,1-13,8/8,18-7,91	98,7-96,6/57,3-55,4	1445-1450				---/8,3-8,09	---/58,1-56,6	1740-1745			
EVAPCO PUMP #59	4	14,1-13,8/8,18-7,91	98,7-96,6/57,3-55,4	1445-1450				---/8,3-8,09	---/58,1-56,6	1740-1745			
EVAPCO PUMP #106	5,5				10,8-10,5/6,23-6,07	78,8-76,7/45,5-44,3	1455-1460				10,6-10,2/ ---	74,2-71,4/ ---	1755-1760
EVAPCO PUMP #196E	7,5				14,4-13,9/8,27-8,07	122-118/70,3-68,6	1460-1465				13,9-13,2/ ---	118,1-112,2/ ---	1760-1770
EVAPCO PUMP #196E	11				21,1-20,7/12,1-12,0	148-145/87,0-84,0	1465-1470				20,9-20,4/ ---	146,3-142,8/ ---	1765-1770

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