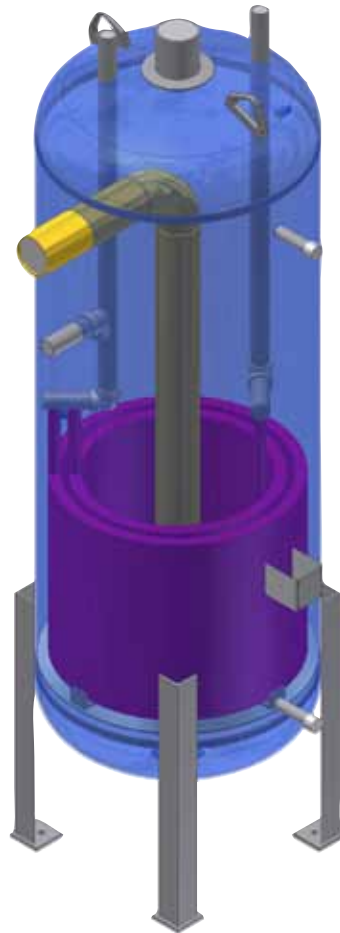


VERTICAL INTERCOOLERS with COILS



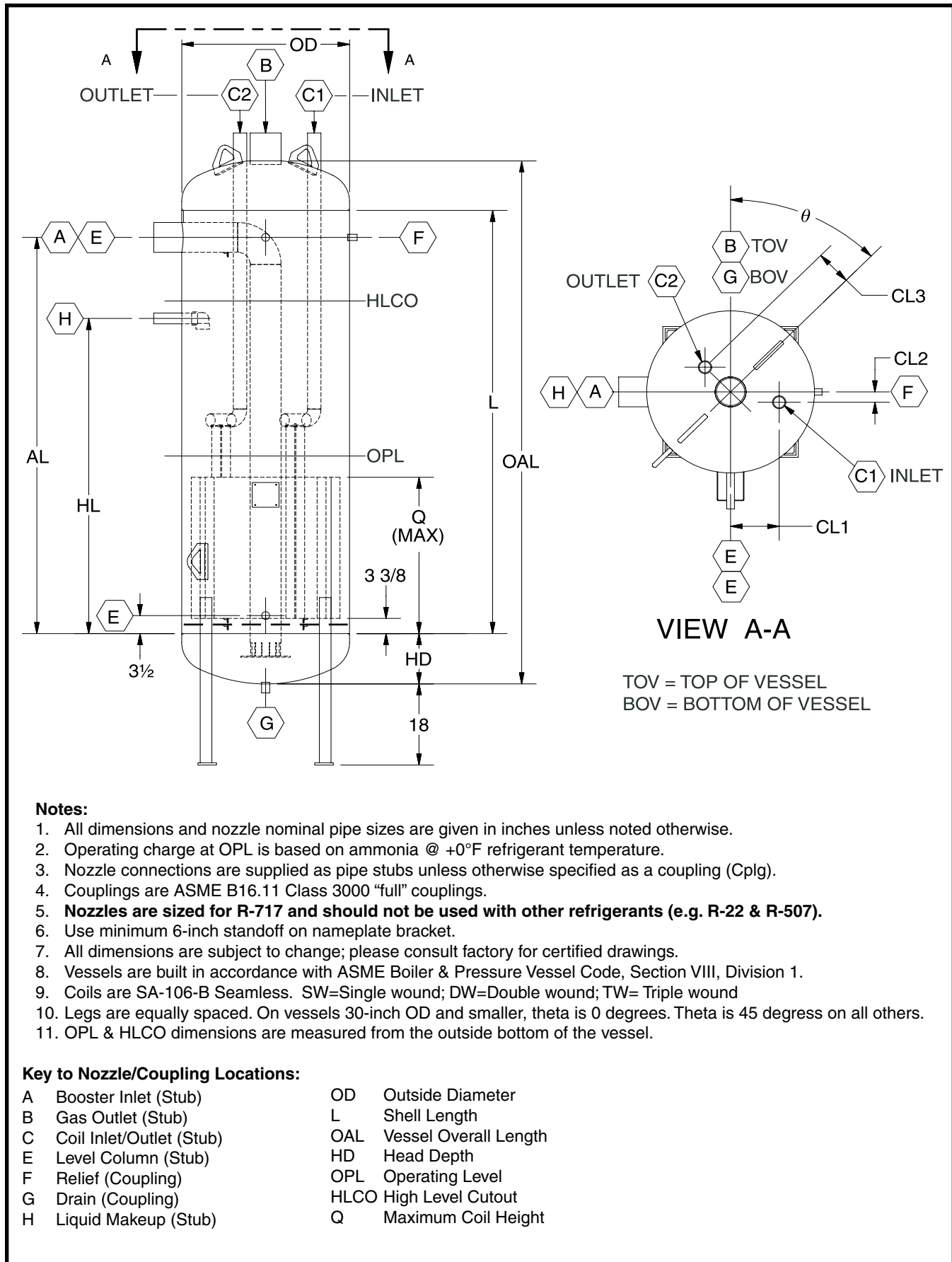


Figure 1. Data and Dimensions

VERTICAL INTERCOOLER CAPACITIES – R-717

MODEL NUMBER	OPERATING TEMPERATURE				
	0°F	10°F	20°F	30°F	40°F
VIC-12-84	22.4	25.1	27.9	30.8	34.0
VIC-16-84	36.2	40.5	45.1	49.8	54.8
VIC-20-86	57.7	64.5	71.7	79.3	87.4
VIC-24-88	84.2	94.1	105.0	116.0	128.0
VIC-30-113	134.0	150.0	167.0	185.0	203.0
VIC-36-116	194.0	216.0	241.0	266.0	293.0
VIC-42-119	265.0	296.0	330.0	364.0	401.0
VIC-48-122	344.0	385.0	428.0	473.0	521.0
VIC-54-125	438.0	489.0	544.0	601.0	662.0
VIC-60-128	542.0	606.0	674.0	745.0	821.0
VIC-72-134	780.0	872.0	969.0	1,071.0	1,180.0
VIC-84-140	1,060.0	1,185.0	1,318.0	1,458.0	1,605.0
VIC-96-146	1,391.0	1,555.0	1,730.0	1,913.0	2,106.0

Capacities given are high stage tons of refrigeration using Ammonia (R-717).

Capacities based on +95°F liquid feed temperature.

Capacities are at the Intercooler and include low stage load, booster heat of compression, and side loads if any.

Mass flow rate to low stage load is reduced by liquid makeup to intercooler.

DIMENSIONAL DATA

MODEL NUMBER	COIL DESCRIPTION	MAWP	OD	OAL	HD	L	LEGS QTY	Uninsulated Dry Wt (lbm)	R-717 (2) Operating Charge (lbm)	Surge Vol. (cu-ft)	Theta θ
VIC-12-84	43 LF NPS-¾ Sch-80 SW	300	12¾	84	6	72	3	500	77.6	1.83	0
VIC-16-84	65 LF NPS-¾ Sch-80 SW	300	16	84¼	6½	72	3	500	130.4	3.07	0
VIC-20-86	82 LF NPS-1 Sch-80 SW	300	20	86¾	7¾	72	3	900	239.9	3.57	0
VIC-24-88	107 LF NPS-1¼ Sch-80 SW	300	24	88¾	8¾	72	3	1,200	397.8	3.73	0
VIC-30-113	165 LF NPS-1¼ Sch-80 DW	250	30	113¾	9¼	94	3	1,900	656.5	13.88	0
VIC-36-116	225 LF NPS-1½ Sch-80 DW	250	36	116¾	11¾	94	4	2,500	930.8	17.05	45
VIC-42-119	260 LF NPS-1½ Sch-80 DW	250	42	119¾	12¼	94	4	2,900	1,361.8	22.96	45
VIC-48-122	296 LF NPS-2 Sch-40 DW	250	48	122½	14¼	94	4	4,100	1,931.8	22.34	45
VIC-54-125	410 LF NPS-2 Sch-40 TW	250	54	125½	15¾	94	4	5,000	2,176.1	35.43	45
VIC-60-128	450 LF NPS-2 Sch-40 TW	250	60	128½	17¼	94	4	5,600	2,803.3	44.70	45
VIC-72-134	575 LF NPS-2 Sch-40 TW	250	72	134¾	20¾	94	4	8,300	4,489.4	55.31	45
VIC-84-140	650 LF NPS-2 Sch-40 TW	250	84	140¾	23¾	94	4	11,400	7,026.7	63.03	45
VIC-96-146	750 LF NPS-2 Sch-40 TW	250	96	146¾	26¾	94	4	13,500	9,686.1	74.58	45

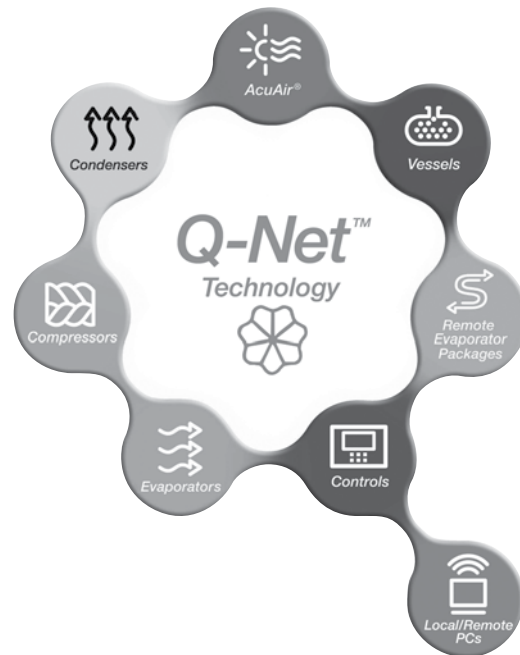
MODEL NUMBER	NOZZLE/ COUPLING NPS (NOTES 3,4,5)							LOCATIONS							
	A	B	C	E	F	G	H	AL	CL1	CL2	CL3	HL	Q*	OPL	HLCO
VIC-12-84	2½	2½	¾	1¼	1/2	1	1	68	1¾	1¾	4	56	27¾	34	62
VIC-16-84	3	3	¾	1¼	1/2	1	1¼	68	3¾	3¾	6	56	27¾	34	62½
VIC-20-86	4	4	1	1¼	1/2	1	1¼	67	4¾	4¾	8	55	33¾	41	62¾
VIC-24-88	4	4	1¼	1¼	¾	1	1½	67	4½	4½	10	55	39¾	48	63¾
VIC-30-113	5	5	2	1½	¾	1	2	88	8¾	1½	5¾	76	39¾	50	85½
VIC-36-116	6	6	2½	1½	¾	1	2	88	10¾	1½	7¼	70	39¾	51	81¾
VIC-42-119	6	6	2½	1½	¾	1	2½	88	12¾	4½	10¼	70	39¾	53	82½
VIC-48-122	8	8	3	1½	¾	1	2½	86	16½	5½	11¼	68	45¾	60	82¼
VIC-54-125	8	8	4	1½	¾	1	3	86	18½	3¾	9½	68	39¾	56	83¾
VIC-60-128	8	8	4	1½	¾	1	3	86	20½	5½	12½	68	39¾	57	85¼
VIC-72-134	10	10	4	1½	1	1	4	84	21¾	6½	15½	66	41¾	62	86¾
VIC-84-140	10	10	4	1½	1	1	4	84	21¾	6½	15½	66	45¾	69	89¾
VIC-96-146	12	12	4	1½	1	1	4	82	23½	8¾	18½	64	45¾	72	90¾

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Form 120-610 SED (2005-09)
Supersedes: S120-610 SED (2003-11)
Subject to change without notice
Published in USA • GUI 2C

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