



## REVOLUTIONARY ENERGY SAVINGS

Air-cooled oil-free centrifugal chillers from Smardt Chiller Group

**SMARTD**

TD - 0081B  
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# CHILLER NOMENCLATURE

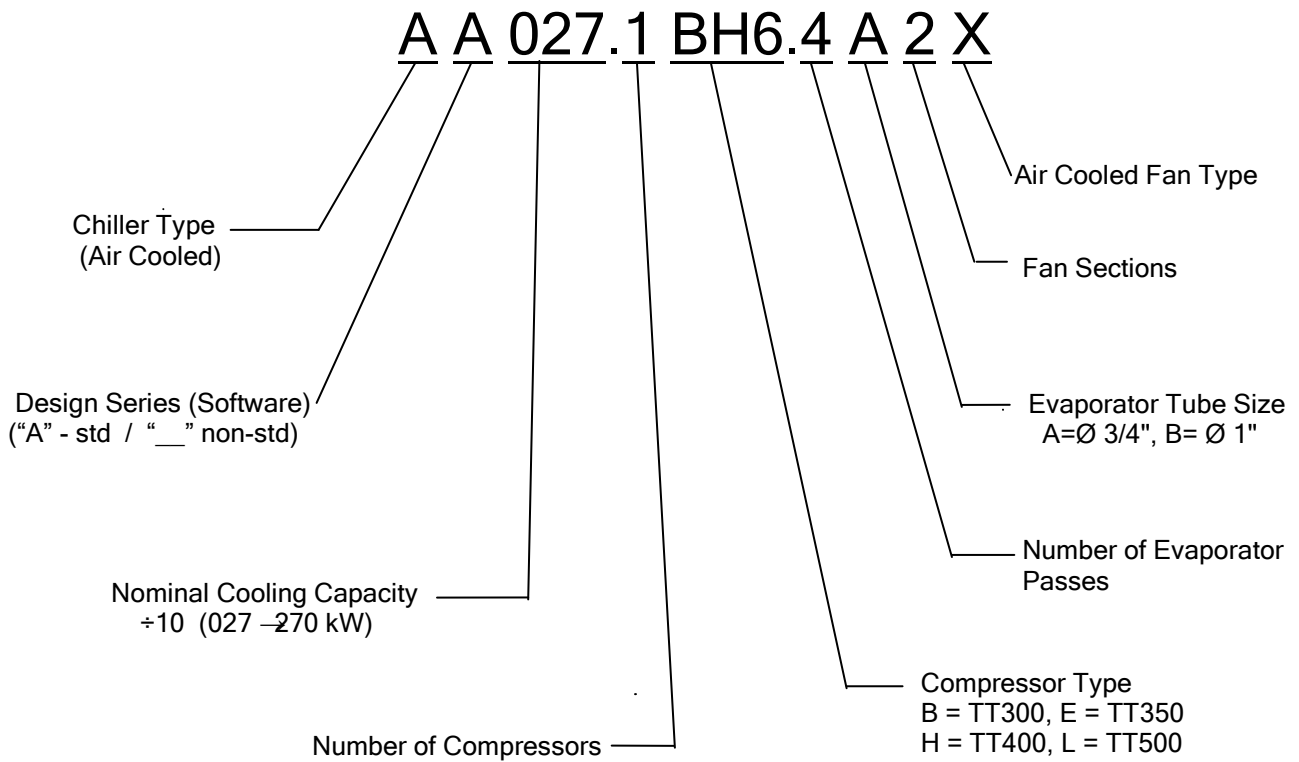


Figure 3: Chiller Nomenclature

### CHILLER DIMENSIONS & CLEARANCES

#### Dimensions For Plant Layout Air-cooled Chiller

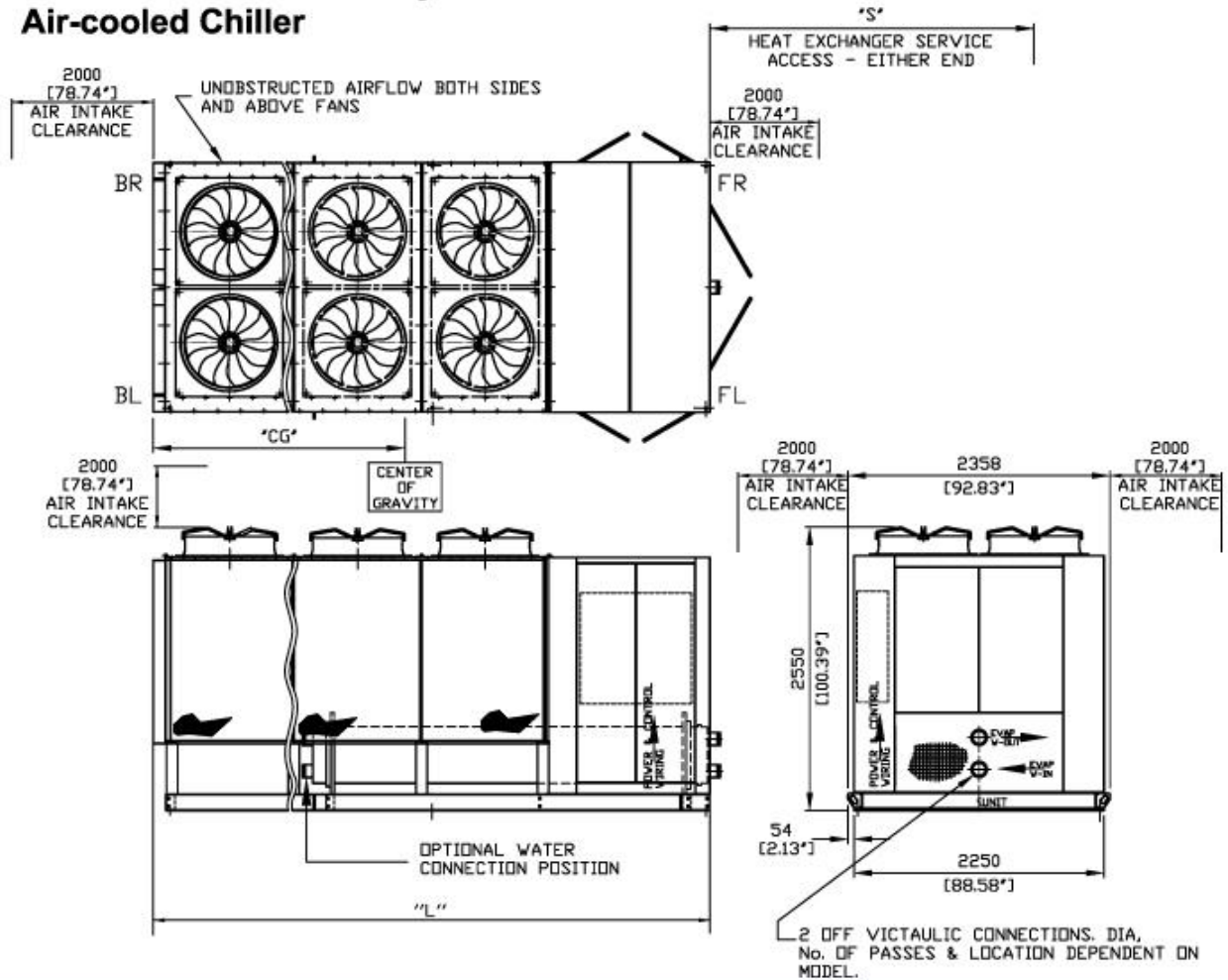


Figure 4: Chiller Dimensions & Clearances  
(Ref. Table 2)

## OVERALL DIMENSIONS, WEIGHTS, & PHYSICAL DATA

Model No.	No. of Comp'	No. of Fans	Length	Service Length	No. of Lifting Lugs	Empty Weight	Shipping Weight (Charged)	Operating Weight	Weight at Foot FR
			mm (ft-in)	mm (ft-in)		Kg (lbs)	Kg (lbs)	Kg (lbs)	Kg (lbs)
A027	1	4	3680 (12'-8")	8458 (27'-9")	4	3038 (6698)	3230 (7120)	3348 (7382)	899 (1983)
A030	1	6	5010 (16'-5¼")	8458 (27'-9")	4	3745 (8256)	4000 (8820)	4144 (9137)	1195 (2635)
A054	2	8	6150 (20'-21/8")	8458 (27'-9")	4	4798 (10578)	5150 (11360)	5323 (11735)	1528 (3368)
A059	2	10	7315 (24'-0")	8458 (27'-9")	6	5358 (11812)	5750 (12680)	5952 (13123)	1758 (3876)
A073	3	10	7315 (24'-0")	8458 (27'-9")	6	5846 (12888)	6250 (13780)	6467 (14258)	1903 (4195)
A082	3	12	8458 (27'-9")	8458 (27'-9")	6	6396 (14100)	6850 (15100)	7092 (15636)	2122 (4678)

Weight at Foot FL	Weight at Foot BR	Weight at Foot BL	Center of Gravity	R134a Charge	Water Content	Flow Range **	No. of Tube Passes	Water Conn. Sizes (Victualic)
Kg (lbs)	kg (lbs)	kg (lbs)	mm (ft-in)	kg (lbs)	kg (lbs)	L/s (gpm)		
943 (2079)	736 (1623)	770 (1697)	2060 (6'-9")	191 (422)	119 (262)	8-18 (127-285)	2	4
1238 (2729)	840 (1852)	871 (1921)	2870 (9'-5")	256 (564)	144 (317)	10-20 (127-285)	2	4
1570 (3461)	1099 (2422)	1127 (2484)	3505 (11'-6")	356 (782)	170 (375)	12-30 (127-285)	2	5
1800 (3969)	1224 (2698)	1211 (2670)	4300 (14'-1")	394 (868)	201 (443)	21-48 (333-713)	3	6
1945 (4289)	1295 (2856)	1324 (2918)	3680 (14'-1")	405 (892)	217 (478)	26-54 (412-856)	2	6
2169 (4782)	1387 (3057)	1415 (3119)	5260 (17'-3")	454 (1000)	243 (536)	26-54 (412-856)	2	6

The above table applies to 460 VAC - variable speed. For 575 VAC refer to SMARTD model specific equipment spec.

\*Values differ by chiller model. Refer also to SMARTD model specific equipment spec for further details.

\*\*gpm are U.S. gallons per minute

Table 2: Overall Dimensions, Weights, & Physical Data

\*Includes full refrigerant charge - water circuits empty.

Weights may vary with individual tube count.