



# POWERED AIRE INC.

www.poweredaire.com

**MODEL: CHS - Hot Water / Steam Heated**

**Customer Entrance Door**

**Door Height: Up to Eleven Feet**

**PRODUCT DATA**  
**(H) HIGH SPEED (L) LOW SPEED**

Model	CHS 1-36	CHS 1-48	CHS 1-60	CHS 2-72	CHS 2-84	CHS 2-96	CHS 2-108	CHS 3-108	CHS 3-120	CHS 3-132	CHS 4-144
Nozzle Width (In.)	36	48	60	72	84	96	108	108	120	132	144
Max. FPM at Nozzle	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748	H 1904 L 1748
Max. CFM at Nozzle	H 1309 L 1202	H 1745 L 1603	H 1790 L 1650	H 2618 L 2404	H 3054 L 2804	H 3490 L 3204	H 3710 L 3403	H 3928 L 3606	H 4364 L 4006	H 4950 L 4658	H 5236 L 4808
Avg. FPM at Nozzle	H 1570 L 1408	H 1178 L 1056	H 942 L 845	H 1570 L 1408	H 1346 L 1207	H 1178 L 1056	H 1058 L 945	H 1570 L 1408	H 1421 L 1274	H 1178 L 1056	H 1570 L 1408
CFM at Nozzle	H 1005 L 961	H 1094 L 983	H 1084 L 977	H 2159 L 1936	H 2093 L 1896	H 2170 L 1942	H 2182 L 1949	H 3239 L 2905	H 3230 L 2900	H 3247 L 2912	H 4318 L 3872
Outlet Velocity Uniformity	95%	92%	91%	95%	93%	92%	95%	92%	95%	95%	95%
Number of Motors	1	1	1	2	2	2	2	3	3	3	4
Horse Power	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
mbtu/hr Hot Water	45	47	45	82	87	87	85	127	131	138	174
Temperature Rise Deg. (F)	H 38 L 43	H 40 L 45	H 38 L 43	H 35 L 39	H 37 L 41	H 37 L 41	H 36 L 40	H 36 L 40	H 37 L 41	H 39 L 44	H 37 L 41
mbtu/hr Steam	59	60	60	104	111	108	104	155	162	162	107
Temperature Rise Deg. (F)	H 50 L 56	H 51 L 57	H 51 L 57	H 44 L 49	H 47 L 53	H 46 L 51	H 44 L 49	H 44 L 49	H 46 L 51	H 46 L 51	H 44 L 49
Weight (Lbs)	123	134	170	240	271	295	318	355	396	459	480

Sound Level: High Speed 53 dba Low Speed 51 dba  
Sound level measured 10 feet from the unit in a free field based on a one motor unit.

Hot water rating based on 65°F entering air temperature and 200°F entering water temperature.  
Steam rating based on 65°F entering air temperature and 5 psig.  
\*Consult factory for coil values different from above.

**Single Phase Motor Voltage Available: 120 208/230 480 575**  
**Amp Draw Per Motor: 2.5 1.4 0.7 0.6**

- \*\* Nozzle width equals door width.
- \*\* For three phase motors consult factory.
- \*\* For unit over twelve feet long consult factory.

