

## Hot Water and Steam Heat

### Key Design Features

- Stainless steel case is minimum 18 gauge 304 stainless steel in a number three finish.
- CHS has heavy duty 1/2 HP motors at 1075 rpm each. 50/60 cycle. Dual speed.
- Galvanized fans.
- Air intake screen is perforated stainless steel with mill grain finish.
- High efficiency discharge plenum ensures that air being discharged fills the entire width and height of the opening. This also lowers the unit's operational sound level.
- Directional air foil vane factory set to facilitate deflection of air stream +/-20 degrees.
- Optional 1 inch cleanable filter.
- Steam or hot water coil mounted to intake of air curtain. Coil consists of 5/8 in. O.D. copper tubes and aluminum fins. Coils certified to ARI standard 410.



#### Recommended Controls

- Remote mounted High/Off/Low Switch
- Built-in Time Delay Relay
- Magnetic Door Switch for activation

**When requesting a quote for a Hot Water/Steam heated air curtain, please provide:**

- Specifics of water/steam entering and exiting the air curtain.
- Location for water/steam supplies and returns (both on one side or one each side)

**Sound level:** High speed: **53 dBA** / Low speed: **51 dBA** (Measured 10 ft. from unit in a free field based on a one motor unit)

	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
Avg. FPM	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: 1570 L: 1408	H: 1570 L: 1408	H: 1421 L: 1274	H: 1178 L: 1056	H: 1570 L: 1408
Max. CFM	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: 3928 L: 3606	H: 3928 L: 3606	H: 4364 L: 4006	H: 4950 L: 4658	H: 5236 L: 4808
CFM @ 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: 3239 L: 2905	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%	92%	92%	95%	95%	95%
Number of motors	1	1	1	2	2	2	3	3	3	3	4
Motor HP	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	123	134	170	240	271	295	318	355	396	459	480

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

NOTE: 575 motor voltage is transformed down to 120v



MADE IN THE USA

\*\* For unit over twelve feet long consult factory.