FIN TUBES:

HEAT EXCHANGER DESIGN, INC. offers longitudinal fin tubes starting from ¾” OD tubes and up to 6” IPS. Fin heights are ¼” to 1”. Fin density is available from 16 fins per tube maximum for ¾” OD tubes to 64 fins per tube on 6” IPS.

PIPE OR TUBE SIZE	NUMBER OF FINS	TOTAL AREA OF FINNED TUBES (SQ.FT / FT. OF LINEAL LENGTH)						
		HEIGHT OF LONGITUDINAL FIN						
		¼”	5/16”	3/8”	½”	5/8”	¾”	1”
¾” OD	12	0.693	0.821	0.946	1.196	1.446	1.696	2.196
	16	0.863	1.032	1.196	1.529	1.863	2.196	2.863
7/8” OD	16	0.896	1.062	1.129	1.562	1.896	2.229	2.896
	20	1.062	1.271	1.479	1.895	2.312	2.729	3.562
1” OD	16	0.926	1.095	1.262	1.595	1.928	2.262	2.928
	20	1.095	1.303	1.512	1.928	2.345	2.762	3.595
	24	1.262	1.512	1.762	2.262	2.762	2.762	4.262
1” I.P.S.	16	1.011	1.178	1.047	1.380	1.713	2.047	2.713
	24	1.344	1.594	1.844	2.344	2.844	3.344	4.344
1-1/2” I.P.S	24	1.357	1.747	1.997	2.497	2.997	3.497	4.497
	32	1.831	2.164	2.497	3.164	3.831	4.497	5.831
	40	2.164	2.581	2.997	3.831	4.664	5.497	7.164
2” I.P.S	24	1.622	1.872	2.122	2.622	3.122	3.622	4.622
	32	1.955	2.288	2.622	3.288	3.955	4.622	5.955
	40	2.288	2.705	3.122	3.955	4.788	5.622	7.288
	48	2.622	3.122	3.622	4.622	5.622	6.622	8.622
2-1/2” I.P.S	24	1.753	2.003	2.253	2.753	3.253	3.753	4.753
	32	2.086	2.419	2.753	3.419	4.086	4.753	6.086
	40	2.419	2.836	3.253	4.086	4.919	5.753	7.419
	48	2.753	3.253	3.753	4.753	5.753	6.753	8.753
3” I.P.S	24	1.916	2.166	2.416	2.916	3.416	3.916	4.916
	48	2.916	3.416	3.916	4.916	5.916	6.916	8.916
	56	3.250	3.833	4.416	5.583	6.750	7.916	10.250
3-1/2” I.P.S	32	2.381	2.714	3.047	3.714	4.380	5.047	6.380
	48	2.916	3.416	3.916	4.916	5.916	6.916	8.916
	56	3.250	3.833	4.416	5.583	6.750	7.916	10.250
4” I.P.S	48	3.178	3.678	4.178	5.178	6.178	7.178	9.178
	56	3.511	4.095	4.678	5.845	7.011	8.178	10.511
	64	3.845	4.511	5.178	6.511	7.845	9.178	11.845
6” I.P.S	48	3.734	4.234	4.734	5.734	6.734	7.734	9.734
	64	4.401	5.068	5.734	7.068	8.401	9.734	12.401
	72	4.734	5.484	6.234	7.734	9.234	10.734	13.734