

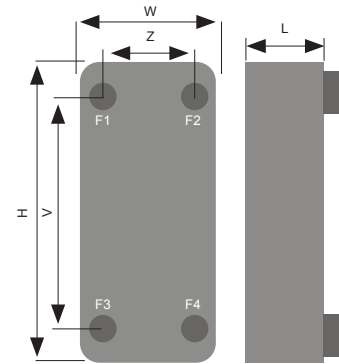
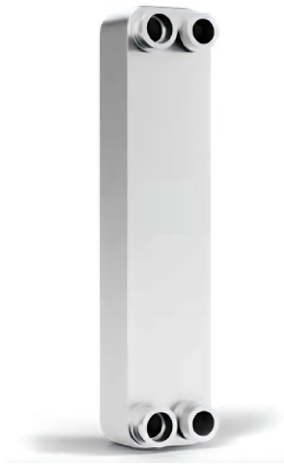


# HTGKB SERIES

## ASYMMETRIC BRAZED PLATE HEAT EXCHANGERS

The new HTGKB Series delivers an effective operating range up to 100kW for heat pumps, heating, cooling and refrigeration systems with efficiency and reliability benefits.

The asymmetric design effectively reduces water-side pressure drop while maximizing system performance, energy efficiency and reliability. The unique plate design features oversized water channels to effectively, lower pressure drop by 25% while increasing flow rate by 19%, requires only 44% of the refrigerant charge as standard plate designs and weighs approximately 48% less.



Brazing Material	Model HTGKB		Max. Working Pressure (psi)	Max. Working Temperature (°F)
Cooper	050,075, 110	(F1,F3/ F2,F4)	464.1/363	392°F
	051, 076, 081, 111		652.7/435.1	

MODEL TYPE	DIMENSIONS IN INCHES					Weight*(kg) (Without Connections)	Volume/ Channel (gal)	Total Volume (gal)
	H	W	V	Z	L			
HTGKB050	12.17	4.29	9.84	1.97	0.413+0.071*N	2.646+0.020*N	(F1-F3):0.008 (F2-F4):0.012	(N-1)*0.008 (N-1)*0.012
HTGKB075	12.99	4.69	10.98	2.68	0.370+0.059*N	3.352+0.245*N	(F1-F3):0.010 (F2-F4):0.012	(N-1)*0.010 (N-1)*0.012
HTGKB110	20.83	4.8	18.5	2.48	0.413+0.073*N	5.005+0.375*N	(F1-F3):0.018 (F2-F4):0.026	(N-1)*0.018 (N-1)*0.026

MODEL TYPE	DIMENSIONS IN INCHES					Weight*(kg) (Without Connections)	Volume/ Channel (gal)	Total Volume (gal)
	H	W	V	Z	L			
HTGKB051	12.17	4.29	9.84	1.97	0.492+0.071*N	4.719+0.020*N	(F1-F3):0.008 (F2-F4):0.012	(N-1)*0.008 (N-1)*0.012
HTGKB076	12.99	4.69	10.98	2.68	0.370+0.059*N	3.352+0.245*N	(F1-F3):0.010 (F2-F4):0.012	(N-1)*0.010 (N-1)*0.012
HTGKB081	14.84	4.72	12.95	2.83	0.370+0.067*N	3.704+0.273*N	(F1-F3):0.013 (F2-F4):0.016	(N-1)*0.013 (N-1)*0.016
HTGKB111	20.83	4.8	18.5	2.48	0.492+0.073*N	9.107+0.375*N	(F1-F3):0.018 (F2-F4):0.026	(N-1)*0.018 (N-1)*0.026

\* N = number of plates

