

Product fiche

TOSHIBA

Air to Air Heat Exchanger

TOSHIBA CARRIER CORPORATION

(a) Supplier's name		TOSHIBA CARRIER CORPORATION			
(b) Supplier's model identifier		VN-M150HE	VN-M250HE	VN-M350HE	
(c) SEC (kWh/(m ² .a)) / SEC class	Cold	-66,4 / A+	-62,8 / A+	-65,2 / A+	
	Average	-31,2 / B	-29,1 / B	-31,4 / B	
	Warm	-8,3 / F	-7,2 / F	-9,5 / F	
(d) Typology		bidirectional	bidirectional	bidirectional	
(e) Type of drive		multi-speed drive	multi-speed drive	multi-speed drive	
(f) Type of heat recovery system		recuperative	recuperative	recuperative	
(g) Thermal efficiency (%)		79,5	74,3	74,5	
(h) Maximum flow rate (m ³ /h)		142	234	395	
(i) Electric power input (W)		69	118	159	
(j) Sound power level (L _{WA})	Extra high	42	45	50	
	High	40	41	46	
	Low	36	37	43	
(k) Reference flow rate (m ³ /s)		0,028	0,046	0,077	
(l) Reference pressure difference (Pa)		126	149	154	
(m) SPI (W/(m ³ /h))		0,347	0,360	0,288	
(n) Control factor		1	1	1	
Control typology		Manual control (no DCV)	Manual control (no DCV)	Manual control (no DCV)	
(o) Internal leakage rate (%)			6,8	6,8	6,8
	External leakage rate (%)	+250(Pa)	22,2	13,3	9,5
		-250(Pa)	21,7	13,0	9,3
(p) Mixing rate		-	-	-	
(q) Position and description of visual filter warning		-	-	-	
(r) Instructions to install regulated supply/exhaust grilles		-	-	-	
(s) Internet address for pre-/dis-assembly instructions		http://www.toshiba-carrier.co.jp/global/			
(t) The airflow sensitivity		-	-	-	
(u) The indoor/outdoor air tightness (m ³ /h)		-	-	-	
(v) AEC (kWh electricity/a)	Cold	10,2	10,3	9,4	
	Average	4,8	5,0	4,1	
	Warm	4,3	4,5	3,6	
(w) AHS (kWh primary energy/a)	Cold	83	80	80	
	Average	42	41	41	
	Warm	19	18	18	