

Air Cooled Integrals

Cabinet Type (Remove/Integral)	Frozen or Chilled?	Project Ref	Cabinet Model	Notes	Fans	Number of shelves	Cabinet Length [m]	Cabinet Length [mm]	Cabinet depth [mm]	Cabinet Height [mm]	Defrost method	Expansion device	Core temperature	TEC/TDA	For Integral TEC as EN441-9 [W]	TEC-REC [W/24h]	DFC [kWh/24h]	Fans- Power P _f [W]	Fans- running time within 24 h t _f [h]	Frame Heaters - Power P _h [W]	Frame Heaters- running time within 24 h t _h [h]	Other Heaters - Power P _o [W]	Other Heaters- running time within 24 h t _o [h]	Def. Heaters- Power P _d [W]	Def. Heaters- run time within 24 h t _d [h]	Lighting- Power P _l [W]	Lighting- running time within 24 h t _l [h]	Condensing Unit- Power P _c [W]	Condensing - run time within 24 h t _c [h]	Control & Valve- Power P _v [W]	Control & Valve- run time within 24 h t _v [h]	No of Defrost	Duration [min]	Defrost periods [h]	24 h - (defrost periods) t _d [h]	TDA [m ²]
Integral AC	Chilled	D0078-02	NCA6S00C90	OPEN HT TEMPLATE - Input		5	2.50	2500			Off cycle		Warmest M-pack between 5°C to -1°C (M1)	9.39	30.64	30.64	28.0	24.0		24.0		24.0		0.0	44.0	12.0	1477.0	19.9			24.0		0.0	24.00	3.263	

Direct Energy Consumption, DEC = (P_f × t_f) + (P_h × t_h) + (P_o × t_o) + (P_d × t_d) × 10⁻³

Total Display Area, TDA = (H_u × L_u) + (H_l × T_g × L_g) + (A_g)