



# MCHE chiller condenser layout

2G25/4G25, R410A, Ambient temperature 35 °C/Rh 40%, Sub-cooling 5 K, 3 m/s

Heat rejection (kW)		40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	
Core area (m <sup>2</sup> )	T <sub>c</sub> = 48°C	1.1	1.4	1.7	2.0	2.3	2.6	2.9	3.1	3.4	3.7	4.0	4.2	4.5	4.8	5.1	5.4	
	T <sub>c</sub> = 55°C	0.7	0.9	1.1	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3	
Core layout		2 pass (4G25)							1 pass (2G25)									
Inlet header size based on	end feed	ø 32 mm							ø 38 mm									
	1 conn.	ø 32 mm																
	2 conn.	ø 32 mm																
No. of inlet connections	7/8"	1 inlet						2 inlets										
	1 1/8"	1 inlet												2 inlets				
Outlet header size based on	1 conn.	ø 32 mm								ø 38 mm								
	2 conn.	ø 32 mm																
No. of outlet connections	7/8"	1 outlet					2 outlets								3 outlets			
	1 1/8"	1 outlet												2 outlets				