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DUTY REQUIREMENTS		Side 1	Side 2
Fluid		Water	Water
Flow type		Counter-Current	
Circuit		Inner	Outer
Heat load	kW		266,0
Inlet temperature	°C	65,0	57,9
Outlet temperature	°C	59,9	63,0
Flow rate	m³/h	46,00	46,00
Thermal length		2,54	2,54
PLATE HEAT EXCHANGER		Side 1	Side 2
Total heat transfer area	m²		26,9
Heat flux	kW/m²		9,9
Mean temperature difference	K		2,0
Overall heat transfer coefficient required	W/m², °C		4950
Pressure drop - total*	kPa	25,4	24,8
- in ports	kPa	1,23	1,23
Port diameter (up/down)	mm	100/100	100/100
Number of channels per pass		69	70
Number of plates			140
Oversurfacing	%		20
Fouling factor	m², °C/kW		0,034
Reynolds number		2690	2577
Port velocity (up/down)	m/s	1,62/1,62	1,62/1,62
Channel velocity	m/s	0,308	0,304
Shear stress	Pa	42,6	41,5
Average wall temperature	°C	61,6	61,4
Largest wall temperature difference	K		0,2
Min./Max. wall temperature	°C	59,1/64,1	58,8/63,9
*Excluding pressure drop in connections.			
TOTALS		Side 1	Side 2
Total weight empty (no connections)*	kg		91,34 - 104,49
Total weight filled (no connections)*	kg		146,65 - 159,8
Hold-up volume (Inner Circuit)	dm³		27,94
Hold-up volume (Outer Circuit)	dm³		28,35
Port size F1/P1	mm		100
Port size F2/P2	mm		100
Port size F3/P3	mm		100

DIMENSIONS

	FRONT	BACK	SIDE			
				A	mm	694 ±2
				B	mm	304 ±1
				C	mm	567 ±2
				D	mm	179 ±1
				E*	mm	20 - 54 / 20 - 112 ±1
				F*	mm	327,6 - 342,6 +0,5%/-1,5%
				G*	mm	0 - 3,5
				R	mm	44

*Dimensions depend on the selected product.