

TECHNICAL SPECIFICATION							
Adsorption chiller NAK-C 050		ECONOMY		STANDARD			
HOT WATER CIRCLE	inlet temperature	88,0	88,0	88,0	88,0	°C	
	outlet temperature	80,8	82,6	82,7	83,8	°C	
	differential temperature	7,2	5,4	5,3	4,2	K	
	volume flow	66,0	66,0	66,0	66,0	m³/h	
	pressure drop	23,0	23,0	23,0	23,0	kPa	
HOT WATER HEATING CAPACITY (Q _{IN})		553	414	407	322	kW	
C.O.P. (HEATING EFFICIENCY Q ₀ : Q _{IN})		0,54	0,44	0,62	0,55		
CHILLING CAPACITY (Q ₀)		300	182	251	176	kW	
CHILLED WATER CIRCLE	inlet temperature	14,0	6,0	14,0	6,0	°C	
	outlet temperature	9,0	3,0	9,0	3,0	°C	
	differential temperature	5,0	3,0	5,0	3,0	K	
	volume flow	51,6	52,2	43,2	50,4	m³/h	
	pressure drop	76,0	78,0	59,0	69,0	kPa	
REQUIRED CHILLING CAPACITY		853	597	658	498	kW	
COOLING WATER CIRCLE	inlet temperature	31,0	31,0	31,0	31,0	°C	
	outlet temperature	37,1	35,2	35,7	34,6	°C	
	differential temperature	6,1	4,2	4,7	3,6	K	
	volume flow	120,0	120,0	120,0	120,0	m³/h	
	pressure drop	93,0	93,0	93,0	93,0	kPa	
SUPPLY CONNECTION DATA	compressed air connection	490	490	490	490	kPa	
	compressed air consumption	876	876	564	564	l/h	
	electrical connection (220 V/ 50)	0,4	0,4	0,4	0,4	kVA	
	refrigerant pump	0,2	0,2	0,2	0,2	kVA	
MESSURMENTS AND WEIGHS	length					3300	mm
	width					2010	mm
	height					3155	mm
	running weight					10,4	t
	transportation weight					9,2	t