

FLW2006 Powerful recirculating cooler

The powerful FL models are suitable for a wide range of cooling tasks in industrial environments, such as removal of large process heat. 2 variants: Air-cooled (FL) and water-cooled (FLW).



Your advantages

- Ergonomic design and easy operation
- Splash-proof keypad
- Large, bright LED display
- Permissible temperature in return line +80°C
- Easy filling from the top with hinged protective lid
- Low liquid level protection with optical and audible alarm signal
- Integrated stainless steel bath tanks
- Removable ventilation grid
- Front drain
- No side vents, instruments can be placed right next to other equipment
- RS232 interface for PC connection
- IP class according to IEC 60529: 21
- Alarm output, potential-free change-over contact (max. 30 VA)
- Pressure Indicator
- By-pass valve to adjust pump pressure

Technical data

Available voltage versions		Bath	
Order No.	9 676 200	Bath tank	Stainless steel
Available voltage versions:			
9 676 200.16	230V/3PPE/60Hz (Without Plug)		
9 676 200.07	400V/3PNPE/50Hz (Plug 32A CEE)		
Cooling		Other	
Cooling of compressor	1-stage Water	Sound pressure level dbA	69
Cooling water pressure max. bar	6	Classification	Classification I (NFL)
Cooling water difference pressure bar	2 ... 6	IP Code	IP 21
Cooling water consumption l/min	24	Pump type	Centrifugal Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight kg	341
Temperature display	LED	Cooling Water Connection in	G $\frac{3}{4}$
Temperature setting	Keypad	Barbed fittings inner diameter	1"
		Dimensions cm (W x L x H)	95 x 115 x 161
		Filling volume l	15 ... 37
		Pump connections	G1 $\frac{1}{4}$ " male
Temperature values			
Setting the resolution of the temperature display °C	0.1		
Return flow temperature max. °C	80		
Temperature display resolution °C	0.1		

Performance values

230V/3PPE/60Hz (Without Plug)

230V/3PPE/60Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	20	15	12	7	3
Refrigerant	R404A				
Filling volume g	2500				
Global Warming Potential for R404A	3922				
Carbon dioxide equivalent t	9.805				
Pump capacity flow rate l/min	80				
Pump capacity flow pressure bar	0.8 ... 6				

400V/3PNPE/50Hz (Plug 32A CEE)

400V/3PNPE/50Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	20	15	12	7	3
Refrigerant	R452A				
Filling volume g	2750				
Global Warming Potential for R452A	2140				
Carbon dioxide equivalent t	5.885				
Pump capacity flow rate l/min	80				
Pump capacity flow pressure bar	0.8 ... 6				

Benefits



Precise
PID Temperature control with set control parameters, temperature stability $\pm 0.02 \dots \pm 0.2$ °C



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