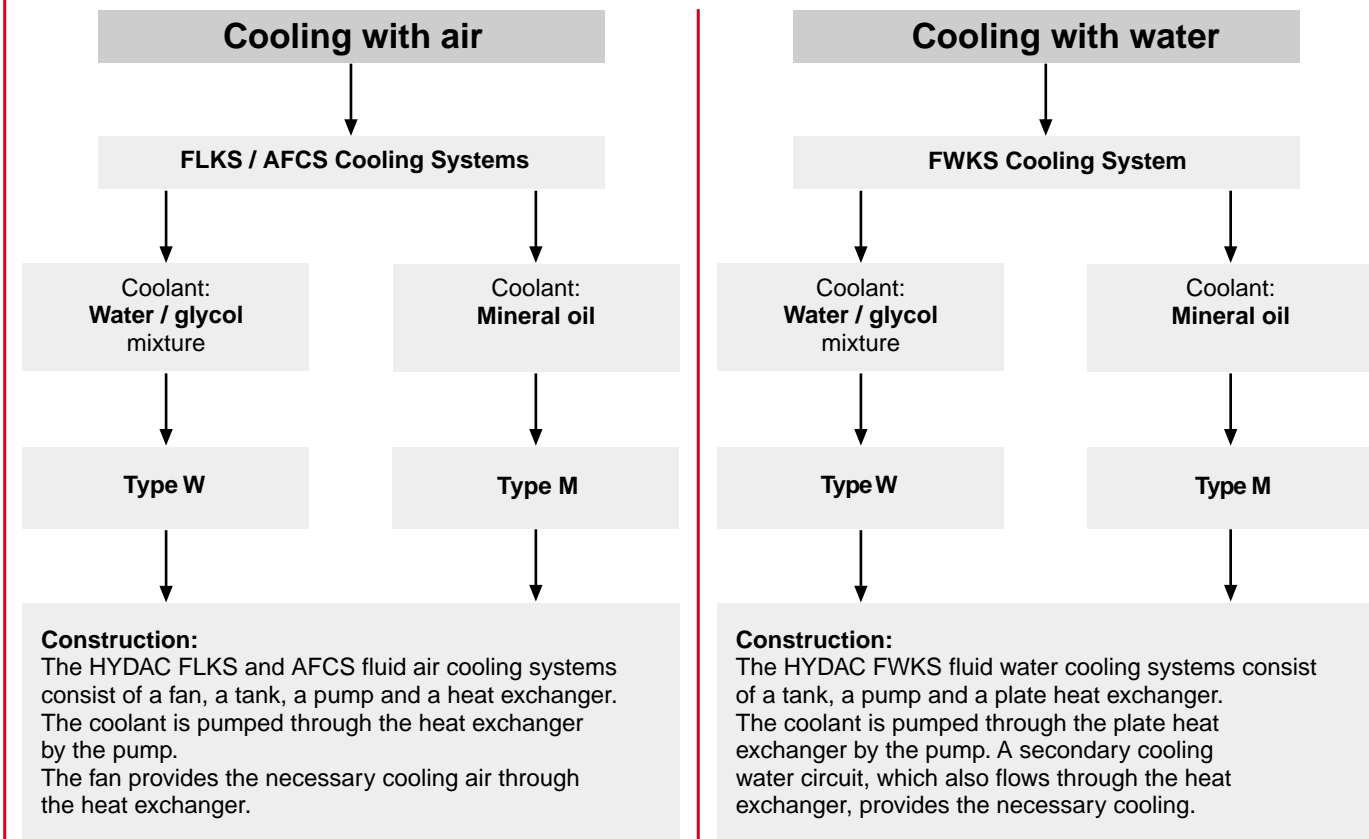


# HYDAC SYSTEM

## Cooling Systems FLKS / AFCS / FWKS Overview of Range

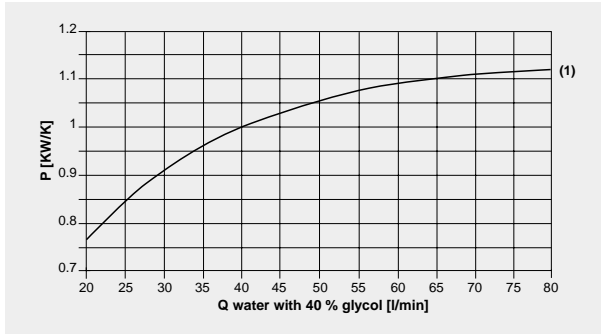
### APPLICATIONS:

- Cooling of AC main drives
- Cooling of motor spindles on machining centres
- Cooling of transmission and braking systems
- Cooling of servo and linear motors
- Cooling of presses
- Cooling of dual circuit systems



## Cooling with air

Coolant: water / glycol mixture:  
AFCS cooling system

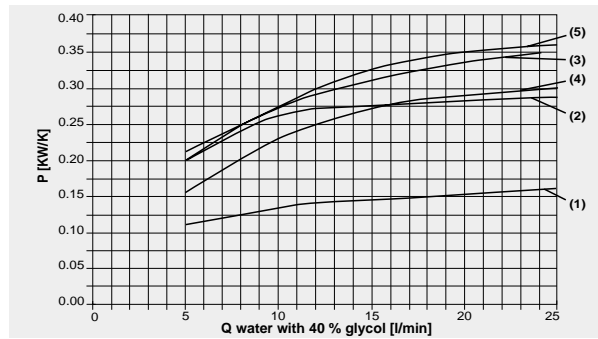


Cooling capacity at 50 Hz

### Brochure list:

(1) AFCS-10/1.0/W	Brochure no.: E 5.606
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Coolant: water / glycol mixture:  
FLKS cooling system

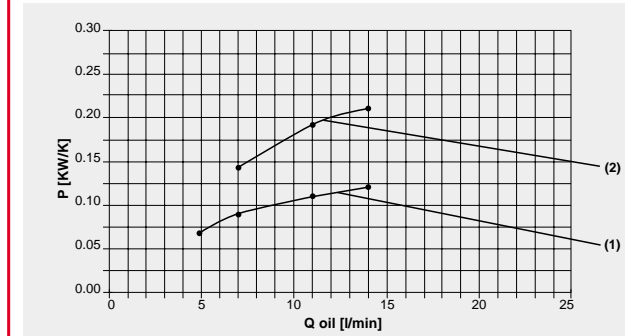


Cooling capacity at 50 Hz

### Brochure list:

(1) FLKS-170S/2.0/W (4 pole)	Brochure no.: E 5.603
(2) FLKS-3L/1.0/W (6 pole)	Brochure no.: E 5.611
(3) FLKS-3S/1.0/W (4 pole)	Brochure no.: E 5.611
(4) FLKS-340SL/2.0/W (6 pole)	Brochure no.: E 5.603
(5) FLKS-340S/2.0/W and FLKS-340SL/2.0/W (4 pole)	Brochure no.: E 5.603

Coolant: mineral oil:  
FLKS cooling system



Cooling capacity at 50 Hz

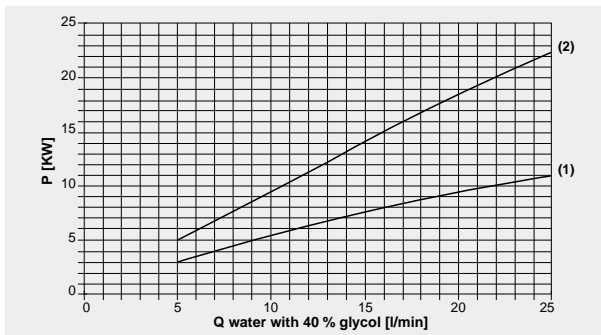
Parameters: Oil: VG 10

### Brochure list:

(1) FLKS-170/1.6/M and 1.7/M (4 pole)	Brochure no.: E 5.612
(2) FLKS-3S/1.0/M (4 pole)	Brochure no.: in preparation

## Cooling with water

Coolant: water/glycol mixture:  
FWKS cooling system



Cooling capacity at 50 Hz

### Parameters:

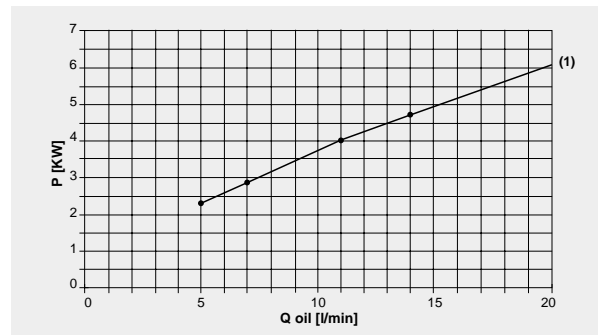
$Q_{\text{water}} = Q_{\text{fluid}} / 2$ ;  $T_{\text{fluid in}} = 50 \text{ }^\circ\text{C}$ ;  $T_{\text{water in}} = 20 \text{ }^\circ\text{C}$

The cooling capacity is dependent  
on the flow rate on the cold water side!

### Brochure list:

(1) FWKS-0/1.0/W	Brochure no.: E 5.608
(2) FWKS-2/1.0/W	Brochure no.: E 5.607

Coolant: mineral oil:  
FWKS cooling system



Cooling capacity at 50 Hz

### Parameters:

Oil VG 46;  $Q_{\text{water}} = Q_{\text{fluid}} / 2$ ;  $T_{\text{fluid in}} = 50 \text{ }^\circ\text{C}$ ;  $T_{\text{water in}} = 20 \text{ }^\circ\text{C}$

The cooling capacity is dependent on the  
flow rate on the cold water side!

### Brochure list:

(1) FWKS-2/1.0/M	Brochure no.: E 5.609
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