High Performance Air/Oil Exchangers

Schéma By Pass

Echangeur Air / Huile

Echangeur Air / huile

Vers la Grue

Distributeur Machine

Reservoir d'Huile

Pompe

- Bi-technology heat exchangers with high thermal efficiency AC/AL
- The Air/Oil exchangers for hydraulic power plants, excavators and other hydraulic machines are equipped with 12 or 24 V blowers.
- Due to their wide working range, they can be installed on all types of machines, even those with high vibration levels, because while the heat exchange core is made of aluminium for high heat output, the rest of the structure and frame are made of steel for high resistance to mechanical stress.
- In general, the radiator should be mounted on the return line to the tank with the lowest pressure. There should be no obstacles to the flow of air out of the radiator. In order to have an optimal exchange rate it is advisable to install the radiator so that the oil inlet is physically higher than the outlet (see diagram).
- Calculation formula: Heat dissipation in KW/C° = Power to be dissipated/(Oil temperature - Ambient temperature). The convention is that the power to be dissipated is 1/3 of the power of the installation.

The advantages of this range are :

- High mechanical strength thanks to steel
- High cooling capacity thanks to aluminium
- Half the weight
- All models are factory tested

High Performance Air/Oil Exchangers

Type	Mini-maxi capacity in L	Fan Ø in mm	Fan U/P/V	Air Flow in m3/h	Operating pressure	h	Dba	Weight
RHAC 10.40	10-40	168	12 ou 24V/80W/4300 trmn	410	16	160	75	5
RHAC 20.80	20-80	225	12 ou 24V/100W/3000 trnm	865	16	157	72	7
RHAC 25.100	25-100	225	12 ou 24V/100W/3000 trnm	785	16	175	72	7
RHAC 30.120	30-120	280	12 ou 24V/110W/3000 trnm	1280	16	175	74	10
RHAC 35.140	35-140	305	12 ou 24V/180W/3000trnm	2100	16	211	83	14
RHAC 40.160	40-160	385	12 ou 24V/210W/2500trmn	3370	16	234	79	20
RHAC 45.180	45-180	2 x 280	12 ou 24V/2x150W/3100 trmn	2000/hélice	16	191	79	24
Specify voltage 12 V or 24 V								
All models are delivered with their probe								

By Pass

Type	Designation
CA25-5	Valve By Pass 5 bar 1 '' (inf à 150 L/mn)
CA32-5	Valve By Pass bar 1''1/4 (sup à 150 L/mn)

Also available on request mixed models air/oil/water