



**be different.
make a difference.**

Materials Handling References

JUNGHEINRICH

Heavy duty forklift

Compact shut off valves for hydraulic tank

- butterfly valve SAE 2 ½"
- butterfly valve SAE 3"



TOYOTA Material Handling

Hydraulic cooler for Tonero forklifts:

Hot climate factory option

oil/air cooler LL 06 12V DC

- 12V DC fan unit
- with temp. switch IP69k
- up to 5kW @ 20lpm

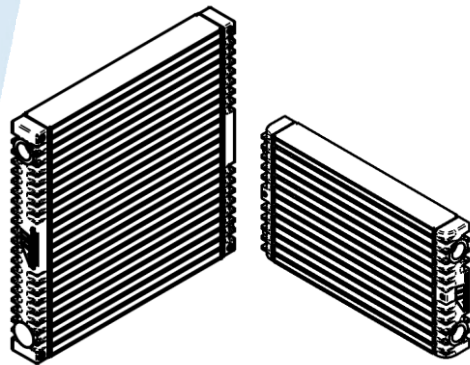


AVANT TECNO

Multi Purpose Vehicle

Compact high performance radiators
2 cooler setups for the hydraulic system:

- 5 kW oil cooler
- 8 kW oil cooler

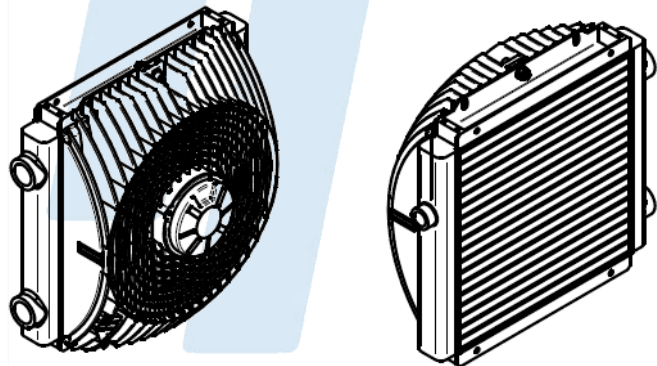


BERGMANN

Dumper Truck

Hydraulic cooler, customized

- 2-pass oil/air cooler
- with 24V DC fan configuration



Materials Handling References

TADANO FAUN

Mobile telescoping cranes

ASA 0177 DC oil/air cooler

- 24V DC h.p. fan
- internal 2bar bypass
- 26bar rating



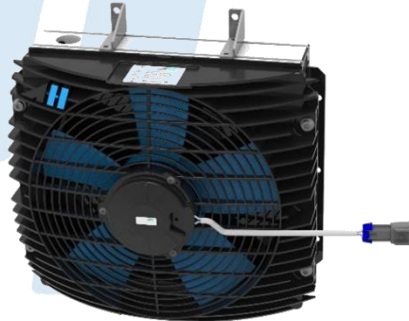
Materials Handling References

MANITOWOC NATIONAL CRANE

Mobile telescoping cranes

TT 11 12V DC

- 12V DC h.p. fan
- UNF ports
- mounting brackets



MANITOWOC GROVE

Mobile telescoping cranes

ASA0176AD02

- 24V DC h.p. fan
- Easy clean wavy air fin
- 26bar rating



PALFINGER

Truck mounted jib cranes

TT rail system oil coolers

- performance sizes TT07, 11 and 16
- various fan control configurations
- customized connectors and protection options



Materials Handling References

CARGOTEC / HIAB

Truck mounted jib cranes

TT rail system coolers

- performance sizes TT11 and 25
- internal 2bar bypass
- fan control setup integrated



Materials Handling References

TAKEUCHI / SUNCAR

**100% electric application,
2t to 16t excavator**

Cooling the circuits:

- hydraulic (ISO VG46)
- battery and e-motors (water/glycol)



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