

# P-BAR

Standard Hydraulic Oil Coolers for Mobile & Industrial Applications  
Aluminum Plate & Bar Core Construction

# SERIES

METRIC

Mobile MA



Industrial BOL



Industrial AOL



# CROSSOVER GUIDE

We **COOL** what you **POWER**

**TS** *Thermal  
Transfer Products*  
A ThermaSys® Company

## AKG to Thermal Transfer Products

AKG	Thermal Transfer Products
C-8	MA-8
C-12	MA-12
C-14	MA-14
C-18	MA-18
C-20	MA-20
C-32	MA-32
C-48	MA-48
C-66	MA-66
C-82	MA-82
C-120	MA-120
DC-10-12/24	MA-12-4A/B
DC-16-12/24	MA-18-4A/B
DC-20-12/24	MA-32-4A/B
DC-45-12/24	MA-232-4A/B
DC-60-12/24	MA-248-4A/B

Exact Thermal and Dimensional Interchange

## ASA to Thermal Transfer Products

ASA	Thermal Transfer Products
TT02 12/24V	MA-3-4A/B
TT04 12/24V	MA-3.5-4A/B
TT06 12/24V	MA-12-4A/B
TT07 12/24V	MA-18-4A/B
ASA-0115 12/24V	MA-32-4A/B
ASA-0177 12/24V	MA-48-4A/B
ASA-0257 12/24V	MA-232-4A/B
ASA-0367 12/24V	MA-248-4A/B

Approximate Thermal and Non-Dimensional Interchange.

## Emmegi to Thermal Transfer Products

Emmegi	Thermal Transfer Products
2510 12201	MA-3.5-3-4A
2515 12201	MA-12-3-4A
2515 12202	MA-12-3-4A
2515 24201	MA-12-3-4B
2520 12201	MA-12-3-4A
2520 24201	MA-12-3-4B
2524 12201	MA-18-3-4A
2524 24201	MA-18-3-4B
2530 12201	MA-32-3-4A
2530 24201	MA-32-3-4B
2540 12201	MA-32-3-4A
2540 24201	MA-32-3-4B
2540 24301	MA-32-3-4A
2550 12201	MA-48-3-4A

Approximate Thermal and Non-Dimensional Interchange

## Hydac to Thermal Transfer Products

Hydac Model Series	Model Number	Thermal Transfer Model Number*
ELD (DC Electric)	ELD-1	MA-4
	ELD-2	MA-18
	ELD-3	MA-32
	ELD-4.5	MA-48
	ELD-5	MA-232
	ELD-6	MA-248

Approximate Thermal and Non-Dimensional Interchange

\*Full model code must contain connection type and motor code. For connections: -1 for NPT, -2 for SAE, -3 for BSPP. For Motors: 4A for 12V, 4B for 24V. EX. MA-18-2-4A

## OilAir Hydraulics to Thermal Transfer Products

Oilair Model Series	Model Number	Thermal Transfer Model Number*
OAD (DC Electric)	OAD-04	MA-4
	OAD-07	MA-18
	OAD-11	MA-32
	OAD-16	MA-48
	OAD-23	MA-232
	OAD-33	MA-248

Approximate Thermal and Non-Dimensional Interchange

\*Full model code must contain connection type and motor code. For connections: -1 for NPT, -2 for SAE, -3 for BSPP. For Motors: 4A for 12V, 4B for 24V. EX. MA-18-2-4A

## Universal Hydraulik to Thermal Transfer Products

Universal Hydraulik	Thermal Transfer Products
LKM-110-12V-S	MA-32-3-4A
LKM-120-12V-S	MA-32-3-4A
LKM-210-12V-S	MA-32-3-4A
LKM-220-12V-S	MA-32-3-4A
LKM-310-12V-S	MA-48-3-4A
LKM-320-12V-S	MA-48-3-4A
LKM-410-12V-S	MA-232-3-4A
LKM-420-12V-S	MA-232-3-4A
LKM-10006373-12V-S	MA-4-3-4A
LKM-10001300-12V-S	MA-18-3-4A
LKM-1002286-12V-S	MA-48-3-4A
LKM-10002894-12V-S	MA-248-3-4A

For Universal Hydraulik "-24V," use "-4B" in place of "-4A."

# Industrial AOL

## AKG to Thermal Transfer Products

AKG	Thermal Transfer Products
ACL-160	AOL-3000
ACL-250	AOL-3500

Approximate Thermal and Dimensional Interchange

## Dunham-Bush to Thermal Transfer Products

Dunham-Bush Model Series	Model Number	Thermal Transfer Products
100 Series	DB-318	AOL-1200
	DB-321	AOL-1600
	DB-327	AOL-2500
	DB-330	AOL-3000
	DB-421	AOL-1600/AOL-3000
	DB-430	AOL-3000

Approximate Thermal, Non-Dimensional Interchange

## Hayden to Thermal Transfer Products

Hayden Model Series	Model Number	Thermal Transfer Products
Temp-Toller Hundred Series	TT-318	AOL-950
	TT-418	AOL-1200
Temp-Toller Jumbo Series	TT321	AOL-1600
	TT-324	AOL-2000
	TT-327	AOL-2500
	TT-430	AOL-3500

Approximate Thermal, Non-Dimensional Interchange

## AKG to Thermal Transfer Products

AKG	Thermal Transfer Products
AC-8	BOL-8
AC-16	BOL-16
AC-30	BOL-30
AC-40	BOL-725
AC-70	BOL-950
AC-100	BOL-1200
AC-130	BOL-1600
AC-160	BOL-2000

Approximate Thermal and Dimensional Interchange

## ASA to Thermal Transfer Products

ASA	Thermal Transfer Products
ASA-0115 230/460V	BOL-16
ASA-0177 230/460V	BOL-30
ASA-0256 230/460V	BOL-30
ASA-0367 230/460V	BOL-725
ASA-0567 230/460V	BOL-950
ASA-0927 230/460V	BOL-1200
ASA-0929 230/460V	BOL-1600

Approximate Thermal and Dimensional Interchange

## Emmegi to Thermal Transfer Products

Emmegi	Thermal Transfer Products
2515 01201	BOL-4-3-18
2515 03201	BOL-4-3-18
2520 01201	BOL-8-3-18
2540 01201	BOL-16-3-18

Approximate Thermal and Non-Dimensional Interchange

## Hydac to Thermal Transfer Products

Hydac Model Series	Model Number	Thermal Transfer Model Number*
OK (AC Electric)	OK-1H	BOL-8
	OK-2S	BOL-8
	OK-2H	BOL-8
	OK-3S	BOL-8
	OK-3H	BOL-16
	OK-4L	BOL-16
	OK-4S	BOL-16
	OK-5L	BOL-400
	OK-5S	BOL-400
	OK-6L	BOL-30
	OK-6S	BOL-30
	OK-7L	BOL-725
	OK-7S	BOL-950
	OK-8L	BOL-725
	OK-8S	BOL-950
	OK-9L	BOL-950
	OK-10L	BOL-1600
OK-11L	AOL-2500	
ELH** (Hydraulic)	ELH-2	BOL-8
	ELH-3	BOL-16
	ELH-4	BOL-400
	ELH-5	BOL-30
	ELH-6	BOL-725
	ELH-8	BOL-950
	ELH-9	BOL-950
	ELH-10	BOL-1600
	ELH-11	AOL-2500

Approximate Thermal and Non-Dimensional Interchange

\*Full model code must contain connection type and motor code. For connections: -1 for NPT, -2 for SAE, -3 for BSPP. For Motors: -2 for 1PH, -3 for 3 PH, -9 for Hydraulic. EX. BOL-30-2-3PH

\*\*Crossovers based on heat removals with equal fan RPMs. Hydraulic Motor Operating Conditions vary from Hydac Specifications

## OilAir Hydraulics to Thermal Transfer Products

Oilair Model Series	Model Number	Thermal Transfer Model Number*
OAI (AC Electric)	OAI-04-110v	BOL-8
	OAI-07-4	BOL-8
	OAI-07-2	BOL-8
	OAI-11-4	BOL-16
	OAI-11-2	BOL-16
	OAI-16-6	BOL-16
	OAI-16-4	BOL-30
	OAI-23-6	BOL-30
	OAI-23-4	BOL-30
	OAI-33-6	BOL-725
	OAI-33-4	BOL-950
	OAI-44-6	BOL-950
	OAI-44-4	BOL-950
	OAI-56-8	BOL-950
	OAI-56-6	BOL-950
	OAI-56-4	BOL-1600
	OAI-76-8	BOL-1200
	OAI-76-6	BOL-1200
	OAI-110-8	AOL-2000
	OAI-110-6	AOL-2500
OAH** (Hydraulic)	OAH-007	BOL-16
	OAH-011	BOL-16
	OAH-016	BOL-400
	OAH-023	BOL-30
	OAH-033	BOL-725
	OAH-044	BOL-950
	OAH-056	BOL-950
	OAH-058	BOL-1200
	OAH-076	BOL-1600
	OAH-078	BOL-1600
	OAH-110	BOL-1600
	OAH-112	AOL-2500

Approximate Thermal and Non-Dimensional Interchange

\*Full model code must contain connection type and motor code. For connections: -1 for NPT, -2 for SAE, -3 for BSPP. For Motors: -2 for 1PH, -3 for 3 PH, -9 for Hydraulic. EX. BOL-30-2-3PH

\*\*Crossovers based on heat removals with equal fan RPMs. Hydraulic Motor Operating Conditions vary from OilAir Specifications

## Olaer to Thermal Transfer Products

Olaer	Thermal Transfer Products
LAC 003-2-D	BOL-4-3-18
LAC 004-2-D	BOL-4-3-18
LAC 007-4-C	BOL-8-3-18
LAC 007-2-C	BOL-8-3-18
LAC2 007-4-D	BOL-16-3-18
LAC2 007-2-D	BOL-16-3-18
LAC2 011-4-D	BOL-16-3-18
LAC2 016-6-D	BOL-16-3-18
LAC2 016-4-D	BOL-30-3-18
LAC2 016-2-A	BOL-30-3-18
LAC2 023-6-D	BOL-30-3-18
LAC2 023-4-D	BOL-30-3-18
LAC 033-6-A	BOL-725-3-18
LAC 033-4-A	BOL-725-3-18
LAC 044-6-A	BOL-950-3-18
LAC 044-4-A	BOL-950-3-18
LAC 056-8-A	BOL-950-3-18
LAC 056-6-A	BOL-950-3-18
LAC 056-4-A	BOL-950-3-18
LAC 058-8-A	BOL-950-3-18
LAC 058-6-A	BOL-950-3-18
LAC 058-4-A	BOL-950-3-18
LAC 076-8-A	BOL-1200-3-18-LN
LAC 076-6-A	BOL-1200-3-18-LN
LAC 078-8-A	BOL-1200-3-18-LN
LAC 078-6-A	BOL-1200-3-18
LAC 110-8-A	BOL-1600-3-18-LN
LAC 110-6-F	BOL-1200-3-18
LAC 112-8-A	BOL-1600-3-18
LAC 112-6-F	BOL-2000-3-18-LN

*Approximate Thermal and Non-Dimensional Interchange*

## Sessino to Thermal Transfer Products

Sessino	Thermal Transfer Products
AP300	BOL-16
AP430	BOL-30

*Approximate Thermal and Non-Dimensional Interchange*

## Universal Hydraulik to Thermal Transfer Products

Universal Hydraulik	Thermal Transfer Products
LKI-110-4	BOL-8
LKI-110-2	BOL-16
LKI-120-2	BOL-16
LKI-210-2	BOL-30
LKI-220-2	BOL-30
LKI-310-6	BOL-30
LKI-310-4	BOL-30
LKI-320-4	BOL-30
LKI-410-4	BOL-30
LKI-420-4	BOL-30
LKI-510-6	BOL-725
LKI-510-4	BOL-725
LKI-520-4	BOL-725
LKI-610-4	BOL-950
LKI-620-4	BOL-950
LKI-710-8	BOL-950
LKI-710-6	BOL-950
LKI-810-8	BOL-1200
LKI-810-6	BOL-1200
LKI-910-8	BOL-1600
LKI-910-6	BOL-1600
LKI-1010-8	BOL-2000
LKI-1010-6	BOL-2000
LKI-HYD 100	BOL-16-2-9
LKI-HYD 200	BOL-30-2-9
LKI-HYD 300	BOL-30-2-9
LKI-HYD 400	BOL-30-2-9
LKI-HYD 500	BOL-725-2-9
LKI-HYD 600	BOL-725-2-9
LKI-HYD 700	BOL-1200-2-9
LKI-HYD 800	BOL-1600-2-9
LKI-HYD 900	BOL-1600-2-9
LKI-HYD 1000	BOL-2000-2-9

*Approximate Thermal and Non-Dimensional Interchange*

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