



# MC SERIES TRANSMISSION COOLERS

## GET YOUR MOTOR RUNNING – KEEP IT ON THE HIGHWAY



Robust Shell and Tube  
Construction -  
the leading brand for  
more than 30 years

Standard and Custom  
Fittings options

UNS C12200 copper  
alloy shell construction

Cooling core bundles  
in Copper

### KEY FEATURES & ADVANTAGES

#### High Corrosion Resistance:

- Copper cooling bundles and CN12200 copper shell
- All fluids involved in heat exchange are in contact with corrosion resistant materials

#### Fully configurable:

- Any combination of diameter and length can be ordered
- Single pass cooling available on all models
- Cooling core materials and end-cap options for enhanced corrosion resistance

#### Robust and reliable all-copper construction

- Less risk of brazing failure due to temperature expansion/contraction
- High temperature and flow rate, efficient 1-pass design

### TECHNICAL SPECIFICATIONS

Shell Diameter	5"-6"
Tube Diameter	3/16", 1/4", 5/16"
Flow (shell side)	up to 225 gpm (851 LPM)
Flow (tube side)	up to 575 gpm (2176 LPM)
Operating Temperature	-20°F to 550°F (-29°C to 287°C)
Operating Pressure+	Operating Pressure+ up to 450 psi (31 bar)

+can go higher for unique designs

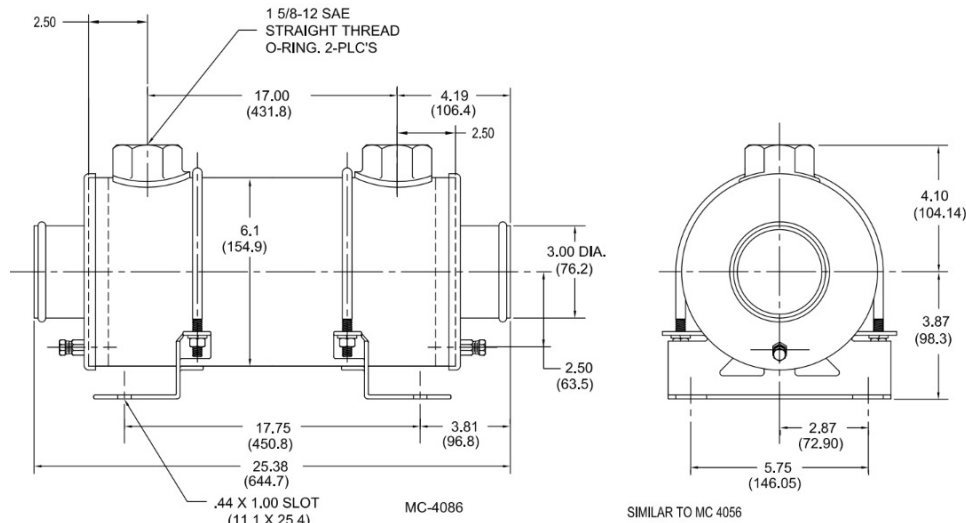
### INDUSTRIAL COOLING APPLICATIONS

- Transmission Oil Cooling
- Gear Cooling
- Engine Coolant Cooling
- Water Heating
- Hydraulic Oil Cooling
- Oil Cooling

**Not sure which model you need? Let's talk specs – call now to speak with an expert.**

# Built to Outperform and Outlast

## Engineered for maximum heat transfer and minimal maintenance



### MC Series Transmission Cooler Models with Allison and Common Cross-References:

Additional MC-Series models may be available – please contact TSM Champ if you do not see the MC model you require, or if you are searching for a particular match to a 3-xxxx Series coolers

CHAMP Model #	Equal To	Other Cross	Allison Series
MC 4027	3-1270A		WT-Series: MD3000R, B300R, B400R
MC 4038			
MC 4048	3-1284A		
MC 4055	3-1127A		MT600/300, MTB600/300, MTB600/400, HT700, HTB700, CLT700, CLT5000/6000
MC 4056	3-1179B		WT-Series: B400R, B500R, HD4000R, MTB600/300, MTB600/400, HT700, HTB700, CLT700, CLBT700, CLT5000/6000, CLBT5000/6000
MC 4058	3-1105A		HT700 (w/ 3-Gear Pump), MT600/300, MT600/400
MC 4059	3-1178A		AT540 / AT1540,
MC 4061	3-1261B		
MC 4074	3-1274A		
MC 4086	3-1279B	29523124	WT-Series: B400R, B500R, HD4000R, MTB600/300, MTB600/400, HT700, HTB700, CLT700, CLBT700, CLT5000/6000, CLBT5000/6000
MC 4088	3-1259A	29500669	WT-Series: MD3000R, B300R, B400R

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**CONTACT US TODAY to get a quote or custom recommendation for your next pool system upgrade**

