

The Mahle logo is displayed in a bold, blue, sans-serif font in the top right corner of the page.

MAHLE

The background image shows a man in a grey work uniform working on a tractor. He is using a BEHR ACX 380 service station to add oil or refrigerant. The tractor's engine is visible on the left, and the man is on the right, focused on his task. A blue banner is overlaid on the bottom left of the image.

Refrigerant and oil filling quantities

Agricultural vehicles and machines
2025–26

The BEHR logo is shown in orange, bold, sans-serif capital letters. It is positioned above a semi-transparent white box that contains the model number ACX 380 and a small image of the service station's nozzle and hose.

BEHR®

ACX 380

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Symbols



Vehicle type (agricultural)



Year of manufacture



Refrigerant type



Refrigerant quantity (g)



OE compressor oil type



Compressor oil type from the BEHR sales brand
(please refer to the following pages when selecting the oil)



Oil filling quantity for the overall system (ml)
("n/a" = total quantity for system unknown or not provided by manufacturer—
see sticker in engine compartment or on compressor if applicable)

Safety precautions and notes

The information in the following tables has been compiled using data from vehicle manufacturers and other sources, and it is applicable only to air conditioning systems in their original designs. Only specially trained professionals should carry out work on air conditioning systems, taking into account the relevant safety precautions and country-specific laws.

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Did you know that MAHLE is one of the world's leading original equipment manufacturers for engine cooling and automotive air conditioning.

Product features

PAO 68 oil and PAO 68 Plus UV oil

- Nonhygroscopic: in contrast to other oils, these do not absorb any moisture from the ambient air
 - Can be used as an alternative to a range of PAG oils (see application overview): stock one oil instead of three
 - Successfully used in practice for more than 20 years
- Helps to increase the air conditioning system's performance
 - No adverse effects on components in the air conditioning circuit (also applies to use in air conditioning service stations/confirmed by manufacturers using the sealed glass tube method in accordance with the ASHRAE 97 standard)
 - Available with (PAO 68 Plus UV oil) or without (PAO 68 oil) the addition of a contrast agent

Advantages and effect

PAO 68 oil

- Being nonhygroscopic, PAO 68 oil is easy to use in workshops; the required amount of oil can also be taken from large containers (e.g., 5 liters)
- A low degree of refrigerant solubility in the oil means that the PAO 68 oil is not diluted and retains its full viscosity in the air conditioning compressor
- Oil film inside the components creates a better seal and decreases friction between the air conditioning compressor's moving parts
- Reduced operating temperature and wear
- Results in increased operational safety and reduces noise, running time, and energy consumption by the air conditioning compressor

PAO 68 Plus UV oil

- Same positive characteristics as PAO 68 oil
- Additional admixture of a fluorescent contrast agent for UV leak detection
- Low vol% concentration of the contrast agent with the following advantages: preserves the oil's positive characteristics and avoids negative effects on system components or service equipment
- Suitable for use as the sole oil for filling the entire system, without any negative effects

Additional details


Is PAO 68 oil compatible with other oils?

- PAO 68 oil does not damage fluoroelastomer materials, such as hoses and seals.
- Since PAO 68 oil is compatible with many other lubricants and refrigerants, it can be used both when topping off and when changing the system's entire oil volume. Owing to its molecular structure and density, PAO 68 oil can be mixed to a certain extent with other oils, but separates from them again when it settles and does not form a permanent bond.
- This guarantees that the necessary viscosity of the oils is maintained and there is no change in the overall viscosity.



The clear version of PAO 68 AA1 oil (without leak detecting agent) is also approved for use with R1234yf and in electrically driven air conditioning compressors in hybrid and electric vehicles.

Comparison of oils

Type of oil	Application	Notes
PAG oils for refrigerant R134a	There are various PAG oils with different flow characteristics (viscosities) for use with refrigerant R134a. PAG oils are hygroscopic. This means that cans do not have a long shelf life once opened.	Standard PAG oils are not suitable for refrigerant R1234yf or for electrically driven air conditioning compressors.
PAG YF oil for refrigerants R1234yf and R134a	There are also various PAG oils with different flow characteristics (viscosities) for use with refrigerant R1234yf. What makes these PAG oils from the BEHR sales brand special is that they are not only suitable for use with the refrigerant R1234yf but can also be used with the refrigerant R134a. As PAG oils are hygroscopic, cans do not have a long shelf life once opened.	PAG YF oil is suitable for both R1234yf and R134a refrigerants.
PAG SP-A2 oil for refrigerants R1234yf and R134a	For use in electrically driven air conditioning compressors that have been filled ex works with a special PAG oil.	
PAO 68 oil for refrigerant R134a, and in some cases for refrigerant R1234yf and others	Can be used as an alternative to the various PAG oils that are offered for R134a (has the advantage of being nonhygroscopic—i.e., in contrast to other oils, it does not absorb any moisture from the ambient air). The two different PAO 68 oils offered by MAHLE under the BEHR sales brand (AA1 and AA3) can be used in conjunction with numerous different refrigerants (see product overview).	 The clear version of PAO 68 AA1 oil (without leak detecting agent) can also be used with the new refrigerant R1234yf as well as in electrically driven air conditioning compressors in hybrid and electric vehicles.

PAO and other oils

Product	Application	A/C compressor type	Refrigerant	Viscosity class	Contents	MAHLE reference no.
PAG oil	Automotive air conditioning systems*	All types**	R134a	PAG I (ISO 46)	250 ml	ACPL 19 000P
	Automotive air conditioning systems*	All types**	R134a	PAG II (ISO 100)	250 ml	ACPL 20 000P
	Automotive air conditioning systems*	All types**	R134a	PAG III (ISO 150)	250 ml	ACPL 21 000P
PAG YF oil	Automotive air conditioning systems*	All types**	R1234yf R134a	PAG I (ISO 46)	250 ml	ACPL 22 000P
	Automotive air conditioning systems*	All types**	R1234yf R134a	PAG II (ISO 100)	250 ml	ACPL 23 000P
PAG SP-A2 oil	Air conditioning systems* in hybrid and electric vehicles	Electrically driven compressors filled ex works with special PAG oil	R1234yf R134a	PAG I (ISO 46)	250 ml	ACPL 9 000P

* Passenger cars, trucks, and agricultural and construction machinery

** Except for electric air conditioning compressors

The appropriate air conditioning compressor oil is determined on the basis of the air conditioning compressor type and the refrigerant used. The wrong choice can lead to damage. Vehicle- or manufacturer-specific instructions must be followed carefully.

Product	Application	A/C compressor type	Refrigerant	Viscosity class	Contents	MAHLE reference no.
PAO 68 oil	Automotive air conditioning systems*	All types (except vane compressors)	R1234yf R134a R413a R22 R513a	AA1 (ISO 68) AA1 (ISO 68) AA1 (ISO 68)	500 ml 1.0 L 5.0 L	ACPL 11 000P ACPL 10 000P ACPL 14 000P
	Air conditioning systems* in hybrid and electric vehicles	Electric compressors	R1234yf R134a R513a			
	Refrigerated trucks (fresh produce delivery vehicles)	Reciprocating compressors	R1234yf R134a R507a R500 R513a			
	Refrigerated trucks (freezer vans)	Reciprocating compressors	R507a R502 R513a R22			
	Automotive air conditioning systems*	Vane compressors	R1234yf R134a R413a	AA3 (ISO 100)	1.0 L	ACPL 13 000P

* Passenger cars, trucks, and agricultural and construction machinery

** Except for electric air conditioning compressors

The appropriate air conditioning compressor oil is determined on the basis of the air conditioning compressor type and the refrigerant used. The wrong choice can lead to damage. Vehicle- or manufacturer-specific instructions must be followed carefully.

Product	Application	A/C compressor type	Refrigerant	Viscosity class	Contents	MAHLE reference no.
PAO 68 Plus UV oil	Automotive air conditioning systems*	All types** (except vane compressors)	R134a R413a R22	AA1 (ISO 68) AA1 (ISO 68) AA1 (ISO 68)	500 ml 1.0 L 5.0 L	ACPL 15 000P ACPL 16 000P ACPL 17 000P
	Refrigerated trucks (fresh produce delivery vehicles)	Reciprocating compressors**	R134a R507a R500			
	Refrigerated trucks (freezer vans)	Reciprocating compressors**	R507a R502 R22			
	Automotive air conditioning systems*	Vane compressors**	R134a R413a	AA3 (ISO 100)	1.0 L	ACPL 18 000P

* Passenger cars, trucks, and agricultural and construction machinery

** Except for electric air conditioning compressors

The appropriate air conditioning compressor oil is determined on the basis of the air conditioning compressor type and the refrigerant used. The wrong choice can lead to damage. Vehicle- or manufacturer-specific instructions must be followed carefully.

**AGCO**

AGCOSTAR 8360/8425

R134a

1270

PAG SP20

PAO 68 or PAG ISO 100

140

GT Series

R134a

1400

PAG ND8

PAO 68 or PAG ISO 46

n/a

ST34A/ST47A/ST52A/ST60A

R134a

850

PAG ND8

PAO 68 or PAG ISO 46

n/a

LT70/LT85

R134a

1400

PAG SP20

PAO 68 or PAG ISO 100

n/a

LT75A/LT95A

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

n/a

DT160/DT180/DT200/DT225

R134a

1700

PAG SP10

PAO 68 or PAG ISO 46

190

DT205B/DT225B/DT250B/DT275B

R134a

1000

PAG SP10

PAO 68 or PAG ISO 46

190

RT95–RT150

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

190

Branson

20/25 Series

R134a

900

Ucon 488

PAO 68 or PAG ISO 150

260

F36Cn/F47Cn/F47CHn/F50Cn/F50CHn manufactured up to 03/2023

R134a

700

ISU PAG 105

PAO 68 or PAG ISO 46

100

F50Cn/F50CHn manufactured from 03/2023

R134a

600

ISU PAG 105

PAO 68 or PAG ISO 46

100

K62/K68/K72/K78

R134a

1100

Ucon 488

PAO 68 or PAG ISO 150

180

**Case IH**

895/995	R134a	1580	PAG 100	PAO 68 or PAG ISO 100	270
1394	R134a	1450	PAG 100	PAO 68 or PAG ISO 100	n/a
1494/1594	R134a	1580	PAG 100	PAO 68 or PAG ISO 100	n/a
3220/3230	R134a	1800	PAG 100	PAO 68 or PAG ISO 100	250
4210/4220/4230	R134a	1800	PAG 100	PAO 68 or PAG ISO 100	250
5120/5130/5140/5150	R134a	1750	PAG 100	PAO 68 or PAG ISO 100	270
5220/5230/5240/5250	R134a	1750	PAG 100	PAO 68 or PAG ISO 100	270
7110/7120/7130/7140/7150	R134a	1700	PAG 100	PAO 68 or PAG ISO 100	270
7210/7220/7230/7240/7250	R134a	1800	PAG 100	PAO 68 or PAG ISO 100	270
8910/8920/8930/8940/8950	R134a	1630	PAG 100	PAO 68 or PAG ISO 100	230
9210/9230/9240/9250/9260/9270/9280	R134a	1630	PAG 100	PAO 68 or PAG ISO 100	280
9310/9330/9350/9370/9380/9390	R134a	1630	PAG 100	PAO 68 or PAG ISO 100	280
CS 78–94 design: Konvekta, straight hood	R134a	1000	PAG 100	PAO 68 or PAG ISO 100	210
CS 78–94 design: MCC, straight hood	R134a	1200	PAG 100	PAO 68 or PAG ISO 100	210
CS 78–94 design: MCC, installed on the roof	R134a	1100	PAG 100	PAO 68 or PAG ISO 100	210

**Case IH**

CS 78–94 design: MCC, integrated in the roof

R134a

1400

PAG 100

PAO 68 or PAG ISO 100

220

CS 110–150

R134a

1500

PAG 100

PAO 68 or PAG ISO 100

220

CS Pro/MT

R134a

1000

PAG 100

PAO 68

n/a

CVX T1 + T2

R134a

1500

PAG 100

PAO 68 or PAG ISO 100

310

CVX T3

R134a

1400

PAG 100

PAO 68 or PAG ISO 100

300

CX 50/60/70/80/90/100

R134a

1930

PAG 100

PAO 68 or PAG ISO 100

250

Farmall U

R134a

650

PAG 100

PAO 68 or PAG ISO 100

60

Farmall U Pro

R134a

650

PAG 100

PAO 68 or PAG ISO 100

190

JX 60–95

R134a

1400

PAG 100

PAO 68 or PAG ISO 100

190

JX-C

R134a

800

PAG 100

PAO 68 or PAG ISO 100

185

JX-N/JX-V

R134a

750

PAG 100

PAO 68 or PAG ISO 100

185

JXU

R134a

1600

PAG 100

PAO 68 or PAG ISO 100

190

Kompakt 300/400

R134a

800

PAG 100

PAO 68 or PAG ISO 100

185

Kompakt 4000

R134a

1400

PAG

PAO 68

n/a

Magnum 71xx chassis frame no. 50000–64977

R134a

1800

PAG 100

PAO 68 or PAG ISO 100

250



Case IH

Magnum 72xx chassis frame no. 64978–

R134a

2040

PAG 100

PAO 68 or PAG ISO 100

250

MX 80C/90C/100C

R134a

1930

PAG 100

PAO 68 or PAG ISO 100

250

MX 100/110/120/135/150/170

R134a

1930

PAG 100

PAO 68 or PAG ISO 100

250

MX 180/200/220

R134a

2100

PAG 100

PAO 68 or PAG ISO 100

290

MXM

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

210

MX Magnum 215–335

R134a

2100

PAG 100

PAO 68 or PAG ISO 100

290

MXU/Pro/Multicontroller/Maxxum/X-Line

R134a

engine: 4-cylinder + 2-valve

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

210

engine: 6-cylinder + 2-valve

R134a

850

PAG 100

PAO 68 or PAG ISO 100

210

engine: 4-valve

R134a

850

PAG 100

PAO 68 or PAG ISO 100

210

Optum

R134a

1300

PAG 100

PAO 68 or PAG ISO 100

200

Puma 115–155

R134a

1050

PAG 100

PAO 68 or PAG ISO 100

210

Puma 115–210

R134a

1050

PAG 100

PAO 68 or PAG ISO 100

210

Puma CVX (T4A) drier integrated in condenser

R134a

1300

PAG 100

PAO 68 or PAG ISO 100

210

Puma CVX (T4A) drier upstream of condenser

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

210



Case IH

Puma (T4B)	R134a	1300	PAG 100	PAO 68 or PAG ISO 100	200
Quantum N + V	R134a	1200	PAG 100	PAO 68 or PAG ISO 100	180
Quantum C	R134a	800	PAG 100	PAO 68 or PAG ISO 100	180
Steiger	R134a	1900	PAG 100	PAO 68	n/a

Challenger

1038/1042/1046/1050 with chassis frame no. preceeded by 531/532/533/534	R134a	1550	PAG ND8	PAO 68 or PAG ISO 46	250
1603/1603T/1664/1664T/1703/1803	R134a	1700	PAG	PAO 68 or PAG ISO 100	200
1804/1844/1903/2204/2505/2800	R134a	1700	PAG	PAO 68 or PAG ISO 100	200
3104/6103	R134a	1800	PAG	PAO 68 or PAG ISO 100	200
3244/6203	R134a	1800	PAG	PAO 68 or PAG ISO 100	300
6303/7300	R134a	1300	PAG	PAO 68 or PAG ISO 100	200
7300B/8300B	R134a	1150	PAG	PAO 68 or PAG ISO 100	300
8103/8104/8144	R134a	1800	PAG	PAO 68 or PAG ISO 100	200
8204/8244/8203	R134a	1800	PAG	PAO 68 or PAG ISO 100	300



Challenger					
8300/8303	R134a	1300	PAG	PAO 68 or PAG ISO 100	200
8300B	R134a	1150	PAG	PAO 68 or PAG ISO 100	300
8400	R134a	1350	PAG	PAO 68 or PAG ISO 100	300
8400B	R134a	950	PAG	PAO 68 or PAG ISO 100	300
9103/9105/9300	R134a	1800	PAG	PAO 68 or PAG ISO 100	200
9203/9205	R134a	1800	PAG	PAO 68 or PAG ISO 100	300
9300B model year 2015	R134a	1350	PAG	PAO 68 or PAG ISO 100	300
9300B model year 2016	R134a	950	PAG	PAO 68 or PAG ISO 100	300
MT 265B/285B/295B/297B	R134a	850	PAG ND8	PAO 68 or PAG ISO 46	n/a
MT 315B/325B/335B/345B	R134a	800	PAG SP20	PAO 68 or PAG ISO 100	135
MT 400D Series	R134a	1000	PAG SP10	PAO 68 or PAG ISO 46	190
MT 400E Series	R134a	1200	PAG SP10	PAO 68 or PAG ISO 46	190
MT 425/445/455/465	R134a	1400	PAG SP20	PAO 68 or PAG ISO 100	190
MT 425B/445B/455B/465B with standard hood	R134a	1200	PAG SP10	PAO 68 or PAG ISO 46	190
MT 425B/445B/455B/465B with steep, removable hood	R134a	1350	PAG SP10	PAO 68 or PAG ISO 46	190



Challenger

MT 525B/535B/545B/555B/565B/575B with standard hood	R134a	1200	PAG SP10	PAO 68 or PAG ISO 46	190
MT 525B/535B/545B/555B/565B/575B with steep, removable hood	R134a	1350	PAG SP10	PAO 68 or PAG ISO 46	190
MT 535/545/565	R134a	1700	PAG SP10	PAO 68 or PAG ISO 46	200
MT 600E Series with condenser 396 mm high (until ~06/2017)	R134a	1400	PAG ND8	PAO 68 or PAG ISO 46	190
MT 600E Series with condenser 569 mm high (from ~06/2017)	R134a	1250	PAG ND8	PAO 68 or PAG ISO 46	190
MT 645D/655D/665D/675D/685D from chassis frame no.: E352034	R134a	1050	PAG SP10	PAO 68 or PAG ISO 46	190

CLAAS

Ares 500/600 with short roof overhang at rear	R134a	950	PAG 244	PAO 68 or PAG ISO 46	160
with long roof overhang at rear	R134a	1450	PAG 244	PAO 68 or PAG ISO 46	230
Ares 506/606	R134a	1450	PAG 244	PAO 68 or PAG ISO 46	230
Ares 507/607	R134a	1250	PAG 244	PAO 68 or PAG ISO 46	230
Ares 700/800	R134a	1200	PAG 244	PAO 68 or PAG ISO 46	160
Ares/Atlas (Tier 2) with long roof overhang	R134a	1650	PAG 244	PAO 68 or PAG ISO 46	270
Arion 410–420	R134a	750	PAG ND8	PAO 68 or PAG ISO 46	200

**CLAAS**

Arion 430–470

R134a

850

PAG ND8

PAO 68 or PAG ISO 46

200

Arion 510–660

R134a

1500

PAG ND8

PAO 68 or PAG ISO 46

200

Atos 220–240 (A98 Stage 3B)

R134a

1350

PAG SP20

PAO 68 or PAG ISO 100

210

Atos 330–350 (A99 Stage 3B)

R134a

1350

PAG SP20

PAO 68 or PAG ISO 100

210

Axion 800–870

R134a

1325

PAG ND8

PAO 68 or PAG ISO 46

200

Axion 920–960

R134a

1450

PAG ND8

PAO 68 or PAG ISO 46

300

Celtis

R134a

1750

PAG 244

PAO 68 or PAG ISO 46

230

Ceres

R134a

900

PAG 244

PAO 68 or PAG ISO 46

160

Cergos

R134a

1650

PAG 244

PAO 68 or PAG ISO 46

270

Challenger C Series

R134a

2300

PAG

PAO 68

n/a

Challenger C Series

R134a

1900

PAG

PAO 68

n/a

Cougar 1400

R134a

1800

PAG

PAO 68

220

Dionis/Fructus/Pales

R134a

700

PAG 244

PAO 68 or PAG ISO 46

135

Elios 210–240 Stage 3B

R134a

800

PAG SP20

PAO 68 or PAG ISO 100

135

Elios 210–240 Stage V

R134a

800

PAG SP20

PAO 68 or PAG ISO 100

135

**CLAAS**

Nectis VE/VL/F

R134a

800

PAG 244

PAO 68 or PAG ISO 46

135

Nexos Stage 3B

R134a

800

PAG SP20

PAO 68 or PAG ISO 100

135

Nexos Stage V

R134a

800

PAG SP20

PAO 68 or PAG ISO 100

135

Ranger 920–975 Plus

R134a

960

PAG

PAO 68

n/a

Scorpion 6030–9040

R134a

1300

PAG

PAO 68

n/a

T Series/Temis

R134a

1450

PAG 244

PAO 68 or PAG ISO 46

270

Targo/Targo K Series

R134a

1100

PAG

PAO 68

n/a

Xerion 0330

R134a

1900

PAG 244

PAO 68 or PAG ISO 46

270

Xerion 4000–5000 (Type 783) Saddle Trac

R134a

1400

PAG ND8

PAO 68 or PAG ISO 46

300

Xerion 4000–5000 (Type 783) Trac/Trac VC

R134a

1600

PAG ND8

PAO 68 or PAG ISO 46

300

Xerion 4000–5000 (Type 784) Saddle Trac

R134a

1400

PAG ND8

PAO 68 or PAG ISO 46

300

Xerion 4000–5000 (Type 784) Trac/Trac VC

R134a

1600

PAG ND8

PAO 68 or PAG ISO 46

300

Xerion 4200–5000 (Type 784) Trac/Trac VC from chassis frame no. 78410011

R134a

1500

PAG ND8

PAO 68 or PAG ISO 46

300

Xerion 4200–5000 (Type 784) Saddle Trac from chassis frame no. 78410011

R134a

1500

PAG ND8

PAO 68 or PAG ISO 46

300

Xerion 4200–5000 (Type 784) Trac/Trac VC from chassis frame no. 78410011

R1234yf

1400

Zerol HD46

PAO 68 or PAG ISO 46 YF

300



CLAAS

Xerion 4200–5000 (Type 784) Saddle Trac from chassis frame no. 78410011

R1234yf

1400

Zerol HD46

PAO 68 or PAG ISO 46 YF

300

Xerion up to chassis frame no. 78100109 with cabin over engine

R134a

1500

PAG 244

PAO 68 or PAG ISO 46

300

with rotating cabin

R134a

1700

PAG 244

PAO 68 or PAG ISO 46

300

Xerion from chassis frame no. 78100110 with cabin over engine

R134a

1700

PAG 244

PAO 68 or PAG ISO 46

300

with rotating cabin

R134a

1900

PAG 244

PAO 68 or PAG ISO 46

300

DEUTZ-FAHR

Agrofarm 85–100 with open-view roof

R134a

1400

PAG 46

PAO 68 or PAG ISO 46

210

Agrofarm 410–430 with standard roof

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

200

Agrofarm 420–430 with open-view roof

R134a

1000

PAG 100

PAO 68 or PAG ISO 100

200

Agrofarm 420–430 TTV

R134a

1100

PAG 46

PAO 68 or PAG ISO 46

210

Agrokid 210–230

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

n/a

Agroplus 310–420 with open-view roof

R134a

800

PAG 46

PAO 68 or PAG ISO 46

200

Agroplus 310–420 with standard roof

R134a

1400

PAG 46

PAO 68 or PAG ISO 46

200

Agroplus F-V-S

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

200

**DEUTZ-FAHR**

Agrotron 4.70–6.15 (MK 1)

R134a

1650

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 6.20–6.45 (MK 1)

R134a

1550

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 80–115 (MK 2)

R134a

1650

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 120–150 (MK 2)

R134a

1550

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 160–200 (MK 2)

R134a

1950

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 230–260 (MK 2) Sanden compressor

R134a

2150

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 230–260 (MK 2) Delphi compressor

R134a

1900

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 80–150 (MK 3)

R134a

1425

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 160–200 (MK 3)

R134a

1950

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 230–260 (MK 3)

R134a

1900

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 108/118/128

R134a

1950

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 130–180.7

R134a

1950

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron 210–265

R134a

2150

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron L720

R134a

1600

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron K Series

R134a

1650

PAG 46

PAO 68 or PAG ISO 46

210

**DEUTZ-FAHR**

Agrotron M Series

R134a

1750

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron X Series

R134a

1750

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron TTV 1130–1165

R134a

1750

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron TTV 410/420/430

R134a

1650

PAG 46

PAO 68 or PAG ISO 46

n/a

Agrotron TTV 610/620/630

R134a

1750

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 5 (Basic)

R134a

1450

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 5C/5G

R134a

1350

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 5D with normal roof

R134a

1400

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 5D with open-view roof

R134a

800

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 5 TTV

R134a

1450

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 6.4 6140 Tier 4i (4-cylinder)

R134a

950

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 6 6150/6160 (6-cylinder)

R134a

1100

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 6 Tier 4 final

R134a

1250

PAG 46

PAO 68 or PAG ISO 46

230

Agrotron Series 6 6120–6140 TTV Tier 4 final

R134a

1350

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 6 Stage 5

R134a

1250

PAG SP10

PAO 68 or PAG ISO 46

210

**DEUTZ-FAHR**

Agrotron Series 7 Tier 3B

R134a

1650

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 7 Tier 4i

R134a

1650

PAG 46

PAO 68 or PAG ISO 46

210

Agrotron Series 7 Tier 4 final

R134a

1250

PAG 46

PAO 68 or PAG ISO 46

230

Agrotron Series 9 Tier 4 final

R134a

1300

PAG 46

PAO 68 or PAG ISO 46

265

D6507C/D7007C/D7807C

R12

1200

Mineral oil

PAO 68

n/a

D6507C/D7007C/D7807C

R134a

950

PAG 100

PAO 68 or PAG ISO 100

230

DT160–DT225

R134a

1700

PAG 150

PAO 68 or PAG ISO 150

230

DTA

R134a

1550

PAG 150

PAO 68 or PAG ISO 150

230

DX3.50/DX3.70/DX3.90

R12

1190

Mineral oil

PAO 68

n/a

DX3.50/DX3.70/DX3.90

R134a

950

PAG 100

PAO 68 or PAG ISO 100

230

DX4.70/DX6.30/DX6.50/DX7.10

R12

1500

Mineral oil

PAO 68

n/a

DX4.70/DX6.30/DX6.50/DX7.10/DX8.30

R134a

1180

PAG 100

PAO 68 or PAG ISO 100

230

DX90–DX160

R12

1500

Mineral oil

PAO 68

n/a

DX90/DX92

R134a

1180

PAG 100

PAO 68 or PAG ISO 100

230

DX110–DX160

R134a

1180

PAG 100

PAO 68 or PAG ISO 100

230

**DEUTZ-FAHR**

Series 5 D Keyline Stage 5

R134a

1350

PAG SP15

PAO 68 or PAG ISO 100

200

Series 5 D TTV Stage 3B

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Series 5 D TTV Stage V

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Series 5 Keyline 5075/5095/5105

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

Series 5 Stage IV

R134a

1350

PAG SP15

PAO 68 or PAG ISO 100

200

Series 5 Stage V

R134a

1350

PAG SP15

PAO 68 or PAG ISO 100

200

Series 6C Stage V

R134a

1100

PAG SP20

PAO 68 or PAG ISO 100

200

Farmtrac

6075E

R134a

750

PAG

PAO 68

n/a

Fendt

1038/1042/1046/1050 Vario with chassis frame no. preceeded by 531/532/533/534

R134a

1550

PAG ND8

PAO 68 or PAG ISO 46

250

200 Vario V/F/P 260/261/262/263/264/272/273/274

R134a

1200

PAG ND8

PAO 68 or PAG ISO 46

300

200 Vario 330/331/332/333/334

R134a

1300

PAG ND8

PAO 68 or PAG ISO 46

300

**Fendt**

300 Vario 336/337/338/339

R134a

1250

PAG ND8

PAO 68 or PAG ISO 46

300

with open-view roof

R134a

1300

PAG ND8

PAO 68 or PAG ISO 46

300

300 Vario SCR (St3b) 322/323/324/325/340

R134a

1200

PAG ND8

PAO 68 or PAG ISO 46

250

400 Vario COM III 400/401/402/403/404

R134a

1250

PAG ND8

PAO 68 or PAG ISO 46

300

with open-view roof

R134a

1300

PAG ND8

PAO 68 or PAG ISO 46

300

700 Vario COM III 724/725/726/727

R134a

1250

PAG ND8

PAO 68 or PAG ISO 46

300

with open-view roof

R134a

1300

PAG ND8

PAO 68 or PAG ISO 46

300

700 Vario SCR (St3b) 732/733/734/735/736/737

R134a

1100

PAG ND8

PAO 68 or PAG ISO 46

250

800 Vario 715/717/718

R134a

1250

PAG ND8

PAO 68 or PAG ISO 46

300

800 Vario COM 729/731

R134a

1250

PAG ND8

PAO 68 or PAG ISO 46

300

with open-view roof

R134a

1300

PAG ND8

PAO 68 or PAG ISO 46

300

800 Vario SCR (St3b) 832/833/834/835/836

R134a

1100

PAG ND8

PAO 68 or PAG ISO 46

250

900 Vario 916/920/924/926/930

R134a

1200

PAG ND8

PAO 68 or PAG ISO 46

300

900 Vario COM 919/922/925/928/931/934

R134a

1900

PAG ND8

PAO 68 or PAG ISO 46

300

900 Vario SCR (St3b) 941/942/943/944/945/946

R134a

1100

PAG ND8

PAO 68 or PAG ISO 46

250



Fendt					
Farmer 200 V/F/P/S 205/206/207/208/210/212/213/214	R134a	1150	PAG ND8	PAO 68 or PAG ISO 46	300
Farmer 200 V/F/P/S 221/222/246/247/248/294/295/296/297	R134a	1150	PAG ND8	PAO 68 or PAG ISO 46	300
Farmer 200 V/F/P/S 326/327/328/329	R134a	1150	PAG ND8	PAO 68 or PAG ISO 46	300
Farmer 200 S 326/327/328/329 with Neumaier cabin	R134a	1200	PAG ND8	PAO 68 or PAG ISO 46	300
Farmer 300 152/158/162/168/170/175/178/186/192/198/199	R134a	1350	PAG ND8	PAO 68 or PAG ISO 46	300
Farmer 300 307/308/309/310/311/312	R134a	1400	PAG ND8	PAO 68 or PAG ISO 46	300
Farmer 300 C/Ci 117/118/119	R134a	1200	PAG ND8	PAO 68 or PAG ISO 46	300
Farmer 400 409/410/411/412	R134a	1250	PAG ND8	PAO 68 or PAG ISO 46	300
Favorit 500 509/510/511/512/514/515	R134a	1400	PAG ND8	PAO 68 or PAG ISO 46	300
Favorit 600 280/281/282/283/284/285/291/292 Delco compressor	R134a	1800	PAG ND8	PAO 68 or PAG ISO 46	*
Favorit 600 382/383/384/385 Delco compressor	R134a	1550	PAG ND8	PAO 68 or PAG ISO 46	*
Favorit 600 382/383/384/385 Denso compressor	R134a	1550	PAG ND8	PAO 68 or PAG ISO 46	300
Favorit 700 711/712/714/716	R134a	1250	PAG ND8	PAO 68 or PAG ISO 46	300
Favorit 800 816/818/822/824	R134a	1200	PAG ND8	PAO 68 or PAG ISO 46	300
GT 380 148/149	R134a	1200	PAG ND8	PAO 68 or PAG ISO 46	300



Fendt

GT 390/395	R134a	1550	PAG ND8	PAO 68 or PAG ISO 46	300
Xylon 520/522/524	R134a	1200	PAG ND8	PAO 68 or PAG ISO 46	300

Fiat

86 Series	R134a	900	PAG 46	PAO 68 or PAG ISO 46	135
90/94 Series	R134a	1500	PAG 46	PAO 68 or PAG ISO 46	175
L Series	R134a	1600	PAG 46	PAO 68 or PAG ISO 46	185
TL Series	R134a	1600	PAG 46	PAO 68 or PAG ISO 46	185
Winner	R134a	1700	PAG 46	PAO 68 or PAG ISO 46	135

Ford

5640–8340	R134a	1500	PAG 46	PAO 68 or PAG ISO 46	320
8160–8560	R134a	1800	PAG 46	PAO 68 or PAG ISO 46	200
8630–8830	R134a	1900	PAG 46	PAO 68 or PAG ISO 46	240
M100–M160	R134a	1900	PAG 46	PAO 68 or PAG ISO 46	200
TS 80–100/115	R134a	1500	PAG 46	PAO 68 or PAG ISO 46	200



Hürlimann

XB Elite	R134a	1600	PAG	PAO 68	n/a
XB Max	R134a	1400	PAG	PAO 68	n/a
XM year of manufacture 2009–2014	R134a	1600	PAG	PAO 68	n/a
XN 705–709	R134a	950	PAG	PAO 68	n/a
XS 70–100	R134a	950	PAG	PAO 68	n/a
XT 85–130	R134a	1800	PAG	PAO 68	n/a

John Deere

5050R–5100R	R134a	1600	PAG	PAO 68 or PAG ISO 46	250
5080M–5100M	R134a	1600	PAG	PAO 68 or PAG ISO 46	250
5080GF/5090G	R134a	1200	PAG	PAO 68 or PAG ISO 46	250
5620–5820	R134a	1600	PAG	PAO 68 or PAG ISO 46	280
6000–6900	R134a	1300	PAG	PAO 68 or PAG ISO 46	190
6000SE–6900SE	R134a	1450	PAG	PAO 68 or PAG ISO 46	250
6010–6910	R134a	1300	PAG	PAO 68 or PAG ISO 46	190



John Deere

6010SE–6610SE	R134a	1450	PAG	PAO 68 or PAG ISO 46	250
6020–6920	R134a	1450	PAG	PAO 68 or PAG ISO 46	220
6800–6900	R134a	1300	PAG	PAO 68 or PAG ISO 46	n/a
6810–6910S	R134a	1300	PAG	PAO 68 or PAG ISO 46	n/a
6820–6920S	R134a	1450	PAG	PAO 68 or PAG ISO 46	n/a
7600–7800	R134a	1700	PAG	PAO 68 or PAG ISO 46	255
7610–7810	R134a	1800	PAG	PAO 68 or PAG ISO 46	255
7200R–7800R	R134a	1850	PAG	PAO 68 or PAG ISO 46	255
7720–7920	R134a	1800	PAG	PAO 68 or PAG ISO 46	255
8110–8410	R134a	2150	PAG	PAO 68 or PAG ISO 46	255
8120–8520	R134a	2450	PAG	PAO 68 or PAG ISO 46	255
8130–8530	R134a	2050	PAG	PAO 68 or PAG ISO 46	255
8225R–8370R	R134a	2050	PAG	PAO 68 or PAG ISO 46	255



Kubota

M110/M120 Denso 10PA compressor	R134a	1000	PAG 46	PAO 68 or PAG ISO 46	150
Denso CS compressor	R134a	1000	PAG 46	PAO 68 or PAG ISO 46	90
M4900/M5700 Denso 10PA compressor	R134a	1020	PAG 46	PAO 68 or PAG ISO 46	130
Denso CS compressor	R134a	1020	PAG 46	PAO 68 or PAG ISO 46	90
M6800/M8200 Denso 10PA compressor	R134a	1020	PAG 46	PAO 68 or PAG ISO 46	130
Denso CS compressor	R134a	1020	PAG 46	PAO 68 or PAG ISO 46	90
M9000 Denso 10PA compressor	R134a	1020	PAG 46	PAO 68 or PAG ISO 46	130
Denso CS compressor	R134a	1020	PAG 46	PAO 68 or PAG ISO 46	90

Lamborghini

Mach VTR 230+250	R134a	1100	PAG SP20	PAO 68 or PAG ISO 100	200
R7 Stage 3A	R134a	1650	PAG SP20	PAO 68 or PAG ISO 100	n/a
R8	R134a	1950	PAG SP20	PAO 68 or PAG ISO 100	210
Spark 160.4–230 Stage 5	R134a	1250	PAG SP15	PAO 68 or PAG ISO 100	210
Spark R 115–135 Stage 5	R134a	1100	PAG SP20	PAO 68 or PAG ISO 100	200



Lamborghini

Spark VRT 155–230 Stage 5

R134a

1300

PAG SP20

PAO 68 or PAG ISO 100

210

Spire 95–105 FARMotion Stage 5

R134a

1200

PAG SP15

PAO 68 or PAG ISO 100

200

Spire Trend 70–100 Stage 5

R134a

1350

PAG SP15

PAO 68 or PAG ISO 100

210

Spire Trend FARMotion Stage 3B with open-view roof

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Spire Trend FARMotion Stage 3B with standard roof

R134a

1200

PAG SP15

PAO 68 or PAG ISO 100

200

Spire VRT 95–115 FARMotion Stage 5

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Strike 95–125 Stage 5

R134a

1350

PAG SP15

PAO 68 or PAG ISO 100

210

Strike Trend 75/95/105

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

240

Landini

80 Series

R134a

1350

PAG

PAO 68

n/a

10000–14500

R134a

1600

PAG

PAO 68

n/a

Blizzard

R134a

1300

PAG

PAO 68

n/a

Ghilbi

R134a

1300

PAG

PAO 68

n/a

Globus

R134a

850

PAG

PAO 68

n/a

**Landini**

Landpower	R134a	1750	PAG	PAO 68	n/a
Legend	R134a	1850	PAG	PAO 68	n/a
Mythos	R134a	1600	PAG	PAO 68	n/a
Rex (Frutteto)	R134a	900	PAG	PAO 68	n/a
Vision	R134a	1300	PAG	PAO 68	n/a

Lindner

Geotrac 63-73/83-93	R134a	1100	PAG	PAO 68	n/a
Geotrac 104/114/124	R134a	1500	PAG 46	PAO 68 or PAG ISO 46	n/a
Geotrac 114ep-134ep	R134a	1050	PAG	PAO 68	n/a
Geotrac Series 4 Alpin 64-94/74ep-94ep/84epPRO	R134a	970	PAG 46	PAO 68 or PAG ISO 46	n/a
Lintrac 90	R134a	1000	PAG 68	PAO 68	n/a

LOVOL

TB 504	R134a	850	PAG 56	PAO 68 or PAG ISO 46	130
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Massey Ferguson

MF 1080–1155 A6 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 1080–1155 Seltec compressor

R134a

1300

PAG 150

PAO 68 or PAG ISO 150

230

MF 1500

R134a

825

PAG ND8

PAO 68 or PAG ISO 46

60

MF 1533/1547/1552/1560

R134a

840

PAG 46

PAO 68 or PAG ISO 46

110

MF 1700

R134a

825

PAG ND8

PAO 68 or PAG ISO 46

60

MF 1805 A6 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 1805 Seltec compressor

R134a

1300

PAG 150

PAO 68 or PAG ISO 150

230

MF 2200

R134a

850

PAG 244

PAO 68 or PAG ISO 46

110

MF 2400

R134a

850

PAG 244

PAO 68 or PAG ISO 46

110

MF 2640/2675 A6 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 2640/2675 Seltec compressor

R134a

1300

PAG 150

PAO 68 or PAG ISO 150

230

MF 2705/2745/2775 A6 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 2705/2745/2775 Seltec compressor

R134a

1300

PAG 150

PAO 68 or PAG ISO 150

230

MF 2805 A6 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 2805 Seltec compressor

R134a

1300

PAG 150

PAO 68 or PAG ISO 150

230



Massey Ferguson

MF 300	R134a	1400	PAG SP20	PAO 68 or PAG ISO 100	175
MF 3000	R134a	1700	PAG SP20	PAO 68 or PAG ISO 100	190
MF 303	R134a	1300	PAG SP20	PAO 68 or PAG ISO 100	100
MF 304	R134a	900	PAG 244	PAO 68 or PAG ISO 46	100
MF 307	R134a	1350	PAG SP20	PAO 68 or PAG ISO 100	100
MF 3300/3400	R134a	950	PAG SP20	PAO 68 or PAG ISO 100	200
MF 3600 (F)	R134a	1700	PAG SP20	PAO 68 or PAG ISO 100	190
MF 3600 (I) Carraro	R134a	800	PAG SP20	PAO 68 or PAG ISO 100	110
MF 410/510	R134a	900	PAG 100	PAO 68 or PAG ISO 100	280
MF 4200	R134a	1400	PAG SP20	PAO 68 or PAG ISO 100	210
MF 4300	R134a	1550	PAG SP20	PAO 68 or PAG ISO 100	210
MF 4400	R134a	1200	PAG SP20	PAO 68 or PAG ISO 100	210
MF 4607M/4609M/4610M	R134a	950	PAG ND8	PAO 68 or PAG ISO 46	60
MF 4608/4609/4610	R134a	950	PAG ND8	PAO 68 or PAG ISO 46	60
MF 4700	R134a	900	PAG SP20	PAO 68 or PAG ISO 100	190



Massey Ferguson

MF 4707/4708/4709/4710

R134a

1400

PAG SP10

PAO 68 or PAG ISO 46

190

MF 540/550

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 5400

R134a

1200

PAG SP20

PAO 68 or PAG ISO 100

190

MF 5400 Series with fruit and viticulture cabin

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

120

MF 5400 Series with standard cabin

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

190

MF 5420/5430/5440/5450

R134a

1000

PAG SP20

PAO 68 or PAG ISO 100

190

MF 5600

R134a

950

PAG SP20

PAO 68 or PAG ISO 100

190

MF 5700

R134a

900

PAG SP20

PAO 68 or PAG ISO 100

190

MF 5700SL

R134a

950

PAG SP20

PAO 68 or PAG ISO 100

190

MF 573/583/593/596

R134a

1700

PAG 150

PAO 68 or PAG ISO 150

230

MF 6100

R134a

1700

PAG SP20

PAO 68 or PAG ISO 100

190

MF 6200

R134a

1700

PAG SP20

PAO 68 or PAG ISO 100

190

MF 6400

R134a

1200

PAG SP20

PAO 68 or PAG ISO 100

190

MF 6400 with panoramic roof and flat hood

R134a

1350

PAG SP10

PAO 68 or PAG ISO 46

190

MF 6400 with standard roof

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

190



Massey Ferguson

MF 6600	R134a	950	PAG SP20	PAO 68 or PAG ISO 100	190
MF 6600 with panoramic roof	R134a	1100	PAG SP10	PAO 68 or PAG ISO 46	190
MF 6600 with standard roof	R134a	1000	PAG SP10	PAO 68 or PAG ISO 46	190
MF 670/689/690/699	R134a	1300	PAG 150	PAO 68 or PAG ISO 150	170
MF 6700	R134a	900	PAG SP20	PAO 68 or PAG ISO 100	190
MF 6700S	R134a	1200	PAG SP20	PAO 68 or PAG ISO 100	190
MF 6711/6712/6713	R134a	1400	PAG SP10	PAO 68 or PAG ISO 46	190
MF 6712S/6713S/6714S/6715S/6716S/6718S with panoramic roof	R134a	1350	PAG SP10	PAO 68 or PAG ISO 46	190
MF 6712S/6713S/6714S/6715S/6716S/6718S with standard roof	R134a	1200	PAG SP10	PAO 68 or PAG ISO 46	190
MF 7400	R134a	1200	PAG SP20	PAO 68 or PAG ISO 100	190
MF 7400 with panoramic roof and flat hood	R134a	1350	PAG SP10	PAO 68 or PAG ISO 46	190
MF 7400 with standard roof	R134a	1200	PAG SP10	PAO 68 or PAG ISO 46	190
MF 750/760	R134a	1450	PAG 100	PAO 68 or PAG ISO 100	280
MF 7600	R134a	950	PAG SP20	PAO 68 or PAG ISO 100	190
MF 7614/7615/7616/7618 with standard hood	R134a	1000	PAG SP10	PAO 68 or PAG ISO 46	190



Massey Ferguson

MF 7614/7615/7616/7618 with standard hood and panoramic roof

R134a

1100

PAG SP10

PAO 68 or PAG ISO 46

190

MF 7619/7620/7622/7624/7626 with standard hood

R134a

1250

PAG SP10

PAO 68 or PAG ISO 46

190

MF 7700

R134a

1200

PAG SP20

PAO 68 or PAG ISO 100

190

MF 7714/7715/7716/7718 with standard hood and panoramic roof

R134a

1350

PAG SP10

PAO 68 or PAG ISO 46

190

MF 7714/7715/7716/7718/7719/7720/7722/7724/7726 with standard hood

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

190

MF 8100

R134a

1700

PAG SP20

PAO 68 or PAG ISO 100

190

MF 8200

R134a

1700

PAG SP20

PAO 68 or PAG ISO 100

190

MF 8400

R134a

1400

PAG SP20

PAO 68 or PAG ISO 100

190

MF 850 A6 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 850 R4 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

230

MF 850 Seltec compressor

R134a

1300

PAG 150

PAO 68 or PAG ISO 150

230

MF 860 A6 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

280

MF 860 R4 compressor

R134a

1450

PAG 100

PAO 68 or PAG ISO 100

230

MF 8600

R134a

1000

PAG SP20

PAO 68 or PAG ISO 100

190

MF 8600 from chassis frame no.: E352034

R134a

1050

PAG SP10

PAO 68 or PAG ISO 46

190



Massey Ferguson

MF 8700 with condenser 396 mm high	R134a	1400	PAG SP10	PAO 68 or PAG ISO 46	190
MF 8700 with condenser 569 mm high	R134a	1250	PAG SP10	PAO 68 or PAG ISO 46	190
MF 8700/after rebuild	R134a	1400/950	PAG SP20	PAO 68 or PAG ISO 100	220
MF 9240	R134a	1330	PAG SP20	PAO 68 or PAG ISO 100	190

McCormick

CX Series	R134a	1450	PAG	PAO 68	n/a
F 100 manufactured up to 02/2006	R134a	1400	PAG	PAO 68	n/a
F 100 year of manufacture 02/2006–06/2010	R134a	900	PAG	PAO 68	n/a
F 100 manufactured from 06/2010	R134a	1000	PAG	PAO 68	n/a
F Series manufactured from 2015	R134a	900	PAG	PAO 68	n/a
GX Series	R134a	800	PAG	PAO 68	n/a
MC Series 95/115/120/135	R134a	1450	PAG	PAO 68	n/a
MC Series 95/105/115/120/135 – Power6	R134a	1950	PAG	PAO 68	n/a
MTX Series	R134a	1700	PAG	PAO 68	n/a
ZTX Series	R134a	1700	PAG	PAO 68	n/a



New Holland

40 5640–8340

R134a

1500

PAG

PAO 68 or PAG ISO 46

300

86 50–82/86

R134a

900

PAG

PAO 68 or PAG ISO 46

135

90 + 94 55–180/90 + 65–88/94

R134a

1500

PAG

PAO 68 or PAG ISO 46

175

Boomer 35–55 Stage V

R134a

650

PAG SP20

PAO 68 or PAG ISO 100

260

G/70 G170–G240 + 8670–8970

R134a

2270

PAG

PAO 68 or PAG ISO 46

330

L/35 L60–L95 + 4635–7638

R134a

1600

PAG

PAO 68 or PAG ISO 46

185

LM LM410–LM610

R134a

750

PAG

PAO 68 or PAG ISO 46

135

LM LM5000

R134a

1600

PAG

PAO 68 or PAG ISO 46

185

M/60 M100–M160 + 8160–8560

R134a

1800

PAG

PAO 68 or PAG ISO 46

200

T4 55–75 Tier 4 + Stage V

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

180

T4000

R134a

1400

PAG

PAO 68

n/a

T4000 F/N/V

R134a

1200

PAG

PAO 68

n/a

T4S 55–75

R134a

1250

PAG SP20

PAO 68 or PAG ISO 100

185

T5 Stage 3B + Tier 4A

R134a

650

PAG SP10

PAO 68 or PAG ISO 46

190

T5 Stage IV/V + Tier 4B final

R134a

950

PAG SP10

PAO 68 or PAG ISO 46

210

**New Holland**

T5000	R134a	1600	PAG	PAO 68	n/a
T6 125–180 Stage IV/V + Tier 4B final	R134a	1300	PAG SP10	PAO 68 or PAG ISO 46	200
T6 180 Methan Power	R134a	1300	PAG SP10	PAO 68 or PAG ISO 46	200
T6000 6030–6080	R134a	900	PAG	PAO 68	n/a
T7 Stage IV/V + Tier 4B final	R134a	1300	PAG SP10	PAO 68 or PAG ISO 46	200
T7000 from chassis frame no. Z8B24554	R134a	900	PAG	PAO 68	n/a
T7000 up to chassis frame no. Z8B24553	R134a	1100	PAG	PAO 68	n/a
T7500	R134a	1600	PAG	PAO 68	n/a
T8 Tier 4B	R134a	2100	PAG	PAO 68	n/a
TD 5	R134a	1500	PAG SP20	PAO 68 or PAG ISO 100	185
TD 5000	R134a	1400	PAG	PAO 68	n/a
TDD	R134a	1400	PAG	PAO 68	n/a
TG 230–285	R134a	2100	PAG	PAO 68	n/a
TL/TLA TL70–TL100	R134a	1600	PAG	PAO 68 or PAG ISO 46	185
TM 1 TM115–TM165	R134a	1400	PAG	PAO 68 or PAG ISO 46	200



New Holland

TM 2 TM120–TM190

R134a

1100

PAG

PAO 68

n/a

TN VA

R134a

750

PAG

PAO 68

n/a

TND/TNS TN55–TN75

R134a

800

PAG

PAO 68 or PAG ISO 46

185

TNF TN65F–TN90F

R134a

800

PAG

PAO 68 or PAG ISO 46

185

TS TS80–TS100 + TS115

R134a

1500

PAG

PAO 68 or PAG ISO 46

200

TSA 100–135

R134a

1100

PAG

PAO 68

n/a

TVT 135–195

R134a

1500

PAG

PAO 68

n/a

Renault

54 Series TX/TZ/TS

R134a

1000

PAG

PAO 68

n/a

Ares 546/556/566/616/626/636/696

R134a

1450

PAG

PAO 68

n/a

Celtis

R134a

1800

PAG

PAO 68

n/a

Fructus

R134a

1000

PAG

PAO 68

n/a

Nectis

R134a

800

PAG

PAO 68

n/a

Temis

R134a

1450

PAG

PAO 68

n/a

**SAME**

Antares 100–105 CV

R134a

1600

PAG

PAO 68

n/a

Antares 110–130 CV

R134a

1800

PAG

PAO 68

n/a

Delfino Stage V

R134a

1100

PAG SP20

PAO 68 or PAG ISO 100

70

Dorado 55/60/75/85

R134a

950

PAG

PAO 68

n/a

Dorado 56/76/86

R134a

1100

PAG

PAO 68

n/a

Dorado 60/70 CV

R134a

1400

PAG

PAO 68

n/a

Dorado 95–105 FARMotion Stage 5

R134a

1200

PAG SP15

PAO 68 or PAG ISO 100

200

Dorado CVT 95–115 FARMotion Stage 5

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Dorado F 70–100

R134a

1300

PAG SP10

PAO 68 or PAG ISO 46

110

Dorado S70/S75/S90/S100

R134a

950

PAG

PAO 68

n/a

Dorado Natural 70–100 FARMotion Stage 3B with standard roof

R134a

1250

PAG SP15

PAO 68 or PAG ISO 100

200

Dorado Natural 70–100 FARMotion Stage 3B with open-view roof

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Dorado Natural Stage V

R134a

1350

PAG SP15

PAO 68 or PAG ISO 100

200

Explorer I 75/85/95

R134a

1800

PAG

PAO 68

n/a

Explorer II 70/90 CV SLH/HP

R134a

1600

PAG

PAO 68

n/a

**SAME**

Explorer III 85SP/100SP/110SP

R134a

850

PAG

PAO 68

n/a

Explorer III 85SD/100SD/110SD

R134a

1400

PAG

PAO 68

n/a

Explorer Natural 75/95/105

R134a

1200

PAG SP10

PAO 68 or PAG ISO 46

240

Explorer Stage V

R134a

1350

PAG

PAO 68

n/a

Fortis 120–210

R134a

950

PAG SP20

PAO 68 or PAG ISO 100

200

Frutteto I 60/100

R134a

1300

PAG

PAO 68

n/a

Frutteto II 60/85 CV/HP

R134a

1300

PAG

PAO 68

n/a

Frutteto III 80/90/100

R134a

950

PAG

PAO 68

n/a

Frutteto 3S

R134a

1300

PAG SP10

PAO 68 or PAG ISO 46

100

Frutteto 3V

R134a

1300

PAG SP10

PAO 68 or PAG ISO 46

100

Frutteto S FARMotion Stage 5

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Frutteto V FARMotion Stage 5

R134a

1000

PAG SP15

PAO 68 or PAG ISO 100

200

Galaxy 170

R134a

1800

PAG

PAO 68

n/a

Golden 60/65/75/85

R134a

950

PAG

PAO 68

n/a

Iron 100/110/120

R134a

1600

PAG

PAO 68

n/a

**SAME**

Iron 130S/140S/150S/165S/200S

R134a

1950

PAG

PAO 68

n/a

Iron 3 Stage 3A

R134a

1650

PAG SP20

PAO 68 or PAG ISO 100

n/a

Laser 3

R134a

1600

PAG

PAO 68

n/a

Laser 100/150

R134a

1800

PAG

PAO 68

n/a

Laser New 130/145/165/180

R134a

1300

PAG SP10

PAO 68 or PAG ISO 46

210

Rubin 120/135/150

R134a

1600

PAG

PAO 68

n/a

Silver 3

R134a

1150

PAG SP20

PAO 68 or PAG ISO 100

n/a

Silver 80–150

R134a

1800

PAG

PAO 68

n/a

Solaris 35/45/55

R134a

1100

PAG

PAO 68

n/a

Titan-Racing 145/190 CV

R134a

1800

PAG

PAO 68

n/a

Virtus J 90–120

R134a

1150

PAG SP20

PAO 68 or PAG ISO 100

n/a

STEYR

9000/M9000 design: Konvekta, straight hood

R134a

1000

PAG 100

PAO 68 or PAG ISO 100

210

9000/M9000 design: MCC, straight hood

R134a

1200

PAG 100

PAO 68 or PAG ISO 100

210



STEYR

9000/M9000 design: MCC, installed on the roof

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

210

9000/M9000 design: MCC, integrated in the roof

R134a

1400

PAG 100

PAO 68 or PAG ISO 100

220

9100 Series: 9105/9115/9125/9145

R134a

1500

PAG 100

PAO 68 or PAG ISO 100

220

9100 Series: 9160/9180/9200

R134a

1700

PAG 100

PAO 68 or PAG ISO 100

n/a

CVT 120/130/150/170

R134a

1500

PAG 100

PAO 68 or PAG ISO 100

300

M900

R134a

1400

PAG

PAO 68

250

Profi engine: 4-cylinder + 2-valve

R134a

1100

PAG 100

PAO 68 or PAG ISO 100

210

Profi engine: 6-cylinder + 2-valve

R134a

850

PAG 100

PAO 68 or PAG ISO 100

210

Profi engine: 4-valve

R134a

850

PAG 100

PAO 68 or PAG ISO 100

210

URSUS

C-350

R134a

750

SP20

PAO 68 or PAG ISO 100

185

C-380/C-380M/C-385/C-395

R134a

1150

SP20

PAO 68 or PAG ISO 100

185

C-3105/C-3110/C-3110HL

R134a

1150

SP20

PAO 68 or PAG ISO 100

185



Valtra					
600/700/800/900	R134a	1600	ZXL 100 PG	PAO 68 or PAG ISO 46	210
6000–8750	R134a	1400	PAG	PAO 68	n/a
6200/6300/6400	R134a	1700	ZXL 100 PG	PAO 68 or PAG ISO 46	210
6250/6350 Hi-Tech	R134a	1700	ZXL 100 PG	PAO 68 or PAG ISO 46	210
6550/6850 Hi-Tech	R134a	1700	ZXL 100 PG	PAO 68 or PAG ISO 46	210
A65/A75/A85/A95	R134a	1600	ZXL 100 PG	PAO 68 or PAG ISO 46	210
A72–A92	R134a	1100	PAG	PAO 68	n/a
A75N/A85N/A95N	R134a	1800	ZXL 100 PG	PAO 68 or PAG ISO 46	210
A83h–A93h	R134a	800	PAG	PAO 68	n/a
C90–C150	R134a	1600	PAG	PAO 68	n/a
M120/M150	R134a	1700	ZXL 100 PG	PAO 68 or PAG ISO 46	210
N113H–N143H/N143V–N163V/N143D–N163D	R134a	850	PAG	PAO 68	n/a
N122V–N142V/N122D–N142D	R134a	900	PAG	PAO 68	n/a
N82h–N92h	R134a	1100	PAG	PAO 68	n/a
N91c–N111c/N91h–N141h/N121LS–N141LS	R134a	1600	PAG	PAO 68	n/a

**Valtra**

N93H3/N93H5/N103H3/N103H5

R134a

850

PAG

PAO 68

n/a

S230–S280

R134a

1600

PAG

PAO 68

n/a

S232–S352

R134a

1000

PAG

PAO 68

n/a

S233–S353

R134a

1000

PAG

PAO 68

n/a

T120 C/CH / T170 C/CH

R134a

1700

ZXL 100 PG

PAO 68 or PAG ISO 46

210

T120/T170

R134a

1700

ZXL 100 PG

PAO 68 or PAG ISO 46

210

T121c–T171c/T121h–T191h/T151eLS–T191LS

R134a

1600

PAG

PAO 68

n/a

T132V–T202V/T132D–T202D

R134a

900

PAG

PAO 68

n/a

T133H–T193H/T153V–T213V/T153D–T203D

R134a

850

PAG

PAO 68

n/a

T180/T190

R134a

1700

ZXL 100 PG

PAO 68 or PAG ISO 46

210

XM130/XM 150

R134a

1700

ZXL 100 PG

PAO 68 or PAG ISO 46

210

White

6065C effec 51091

R134a

1350

PAG

PAO 68

n/a

6085 effec 1566







R134a

1350

PAG

PAO 68

n/a

					
White					
6105 effec 1402	R134a	1880	PAG	PAO 68	n/a
6124/6144	R134a	1400	PAG	PAO 68	n/a
6410/6510	R134a	1450	PAG	PAO 68	n/a
6710/6810	R134a	1700	SP10	PAO 68 or PAG ISO 46	190
8010 Series	R134a	1700	SP10	PAO 68 or PAG ISO 46	190
Zetor					
Forterra	R134a	800	PAG	PAO 68	n/a
Major	R134a	800	PAG	PAO 68	n/a
Proxima	R134a	800	PAG	PAO 68	n/a
Proxima Plus/Power	R134a	800	PAG	PAO 68	n/a



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