



Product special

Air conditioning



TVH PARTS NV • PARTS & ACCESSORIES DIVISION

Brabantstraat 15 • BE-8790 Waregem

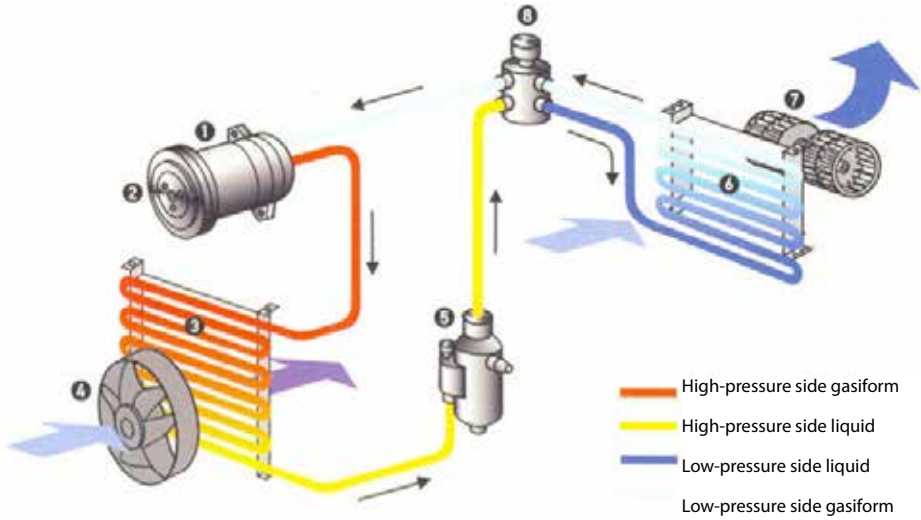
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OVERVIEW A/C SYSTEM



1 Compressor

2 Compressor coupling

3 Condensator (cooler)

4 Condensator/fan

5 Filter/dryer

6 Vaporiser


7 Blower/Fan

8 Expansion valve

COMPRESSORS

REF	Displacement	Oil	Rated voltage	Diameter flange	Belt pulley	Used for	
145TA8495	147 cc/rev	ZXL 100PG 150 cc	24 VDC	135 mm	3E	Hyster, Clark, Linde, Kalmar, TCM, BT, SVE Trucks	
145TA8496	155 cc/rev	PAG46 175 cc	24 VDC	132 mm	PV8	Kalmar, Volvo, SVE Trucks	
145TA8497	155 cc/rev	SP-15 200 cc	24 VDC	132 mm	2A	Kalmar, Terberg	
145TA8498	115 cc/rev	PAG46 180 cc	24 VDC	119 mm	PV08	Kalmar, Scania, SMV Konecranes, SVE Trucks	
145TA8499	155 cc/rev	SP-15 200 cc	24 VDC	119 mm	PV8	Terberg	
145TA8500	163 cc/rev	PAG46 163 cc	24 VDC	135 mm	A2	Clark, BT, Kalmar	

COMPRESSORS

REF	Displacement	Oil	Rated voltage	Diameter flange	Belt pulley	Used for	
145TA8501	160 cc/rev	SP10 135 cc	12 VDC	120 mm	PV6	Baker, Linde,	
145TA8502	155 cc/rev	SP10 207cc	24 VDC	132 mm	2A	Kalmar, Sisu	
145TA8503	145 cc/rev	POE 100PG 150cc	12 VDC	125 mm	2A	Baker, Linde, Komatsu	
145TA8504	155 cc/rev	SP-15 300 cc	12 VDC	130 mm	PV8	Fantuzzi	

**Haven't found the reference that you were looking for?
Please contact your sales advisor for more information.**

CONDENSERS

REF	Used for	
145TA8505	BT, Kalmar	
145TA8506	Terberg	
145TA8507	Clark, TCM, BT, Kalmar	
145TA8508	Hyster, Yale	
145TA8510	Hyster, Yale	
145TA8511	Volvo	

CONDENSERS

REF	Used for	
145TA8512	Manitou	
145TA8513	Kalmar, Sisu	
145TA8514	Daewoo-Doosan	
145TA8515	Case	
145TA8516	Manitou	

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FANS

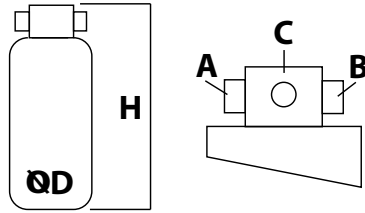
REF	Used for	Motor type	Voltage	Speed selection	Flow	Dimensions	Diameter	
131TA9602	Clark, TCM, BT, Kalmar, Svetruck, SMV Konecranes	DC	24	1	460 m ³ /h	202 x 51 mm	209 mm	
145TA8517	Lansing, Linde, Kalmar, Terberg	DC	24	3	1160 m ³ /h	140 x 167 x 351mm	-	
145TA8518	Hyster, Yale, Daewoo-Doosan, Fantuzzi	DC	24	1	1180 m ³ /h	51 x 246 mm	246 mm	
145TA8519	Manitou	DC	24	1	1060 m ³ /h	51 x 246 mm	246 mm	
145TA8520	Daewoo-Doosan	DC	24	1	-	520 x 415 x 100 mm	-	
145TA8521	Kalmar, Sisu	DC	24	1	-	100 x 312 mm	312 mm	

FANS

REF	Used for	Motor type	Voltage	Speed selection	Flow	Dimensions	Diameter	
145TA8522	Hyster	DC	24	1	-	294 x 66 x 310 mm	310 mm	
145TA8523	Linde	DC	12	1	1180 m³/h	51 x 246 mm	246 mm	
145TA8524	Fantuzzi, Fenwick	DC	24	1	1300 m³/h	268 x 51,1 mm	283,5 mm	
145TA8525	Hyster, Fenwick, BT, Kalmar, SVE Truck, PPM, CVS Ferrari, Mafi	DC	24	3	1100 m³/h	139,8 x 167,5 x 351 mm	-	

Haven't found the reference that you were looking for?
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FILTER DRYERS



REF	Used for	D	H	A	B	C	
145TA8860	BT, Kalmar, Svetruck, Terberg, SMV Konecranes, Sisu	76.3	209	M16	M16	M12	
145TA8861	Clark, TCM, BT, Kalmar, SMV Konecranes	76.5	158	5/8 unf	5/8 unf	5/8 unf	
145TA8862	Sisu, Kalmar	60	202.5	5/8 unf	5/8 unf	5/8 unf	
145TA8863	Sisu, Kalmar	76	229	5/8 unf	5/8 unf	7/16 unf	
145TA8864	Linde, Baker	75	586	5/8 unf	5/8 unf	7/16 unf	

FILTER DRYERS


REF	Used for	D	H	A	B	C	
143TA7540	Kalmar	77.3	445	5/8 unf	5/8 unf	7/16 unf	
145TA8865	Daewoo-Doosan	63.5	203	5/8 unf	5/8 unf	7/16 unf	
145TA8866	Caterpillar, Ama	63	167	3/4 unf	5/8 unf	na	
145TA8867	Hyster	74	171	5/8 unf	5/8 unf	7/16 unf	
145TA8868	Caterpillar	60	225	-	-	-	

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VAPORISERS

REF	Used for	
145TA8526	Clark, BT, Kalmar	
145TA8527	Clark, BT, Kalmar	
145TA8528	Manitou	
145TA8529	Claas	
145TA8530	Manitou	
145TA8531	Massey Ferguson	

VAPORISERS

REF	Used for	
145TA8532	Renault	 A black, rectangular vaporiser with a series of horizontal fins and a metal fitting on the right side.
145TA8533	New Holland	 A black, rectangular vaporiser with a series of horizontal fins and a metal fitting on the right side.
145TA8534	Carraro	 A smaller, rectangular vaporiser with a series of horizontal fins and two colored (blue and orange) fittings at the bottom.

Haven't found the reference that you were looking for?
Please contact your sales advisor for more information.

EXPANSION VALVES

REF	Used for	
145TA8535	Hyster, Yale, Clark, TCM, BT, Kalmar, SMV Konecranes	
145TA8536	Kalmar, Sisu	
145TA8537	Kalmar, Sisu, Ottawa	
145TA8538	Mafi	
145TA8539	Baker, Linde	
145TA8540	Bobcat	

EXPANSION VALVES

REF	Used for	
145TA8541	JCB, Fiat	 A brass expansion valve with a circular top cap and two ports on the side.
145TA8542	Fenwick, Fantuzzi	 A silver expansion valve with a circular top cap and two ports on the side.
145TA8543	Baker, Linde	 A silver expansion valve with a circular top cap and two ports on the side.
145TA8544	Fiat, Case, JCB	 A brass expansion valve with a circular top cap and two ports on the side.
145TA8545	JCB, Case	 A silver expansion valve with a circular top cap and two ports on the side.

Haven't found the reference that you were looking for?
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COMPLETE A/C SYSTEMS

SKIMO A/C

REF 141TA3463 - 12 V

REF 138TA4553 - 24 V

Compact

- Dimensions: 730 x 470 x 250 mm
- Footprint: 300 x 400 mm

High performance

- High cooling capacity/electrical consumption
- Ratio: cooling capacity 2,9 kW at 31 °C for only 0,8 kW electrical consumption

Quick and easy to install

- Delivered pre-charged with R134a gas
- Easy mounting and fastening on the roof
- Simple electrical connection
- The A/C can be controlled from the cab

Fits on most machines and vehicles



SKIMO SPLIT A/C SYSTEM

REF 143TA7392 - 12 V

REF 143TA7393 - 24 V

Composed of an exterior condenser unit and an inside evaporator unit.

Condenser unit

- Dimensions (L x W x H): 690 x 420 x 205 mm
- Can be mounted horizontally or vertically
- Weight: 30 kg

Evaporator unit

- Dimensions (L x W x H): 410 x 155 x 415 mm
- Cooling capacity: 2900 W with + 31°C air intake and 50% air humidity
- Weight: 10 kg
- **Not included:** refrigerant HFC R134a and oil: PAG 150 46



The ideal volume of the cab is approximately 2 m³. Suitable for compact machines with small cabs or limited driving power, or machines of which the cab is situated far from the engine. Fast and easy installation: the 2 units are connected by 2 hoses (high and low pressure) and a wiring harness.

COMPLETE A/C SYSTEMS

TRUCK A/C - TKT-40T



REF 145TA8869

The TKT-40T A/C unit was specially designed for truck cabs and engineering machines. It is powered by the engine of the vehicle. It is famous for its reliable performance, streamlined design and economic price while offering high quality. The unit is widely used in South America, Europe, Australia and Asia on truck cabs, trailers, forklifts, cranes, heavy machines etc.

- Inner screw copper tube & aluminium fin design
- High cooling capacity, used worldwide in warm countries
- Easy installation & operation
- ISO 9001, CE & TS16949 certification
- 36-month warranty time after delivery

Structure		Roof top model
Cooling capacity		4 kW/13640 BTU/3445 kcal/h
Compressor		SD5H14 (135cc/rev)
Voltage		DC 12 V/DC 24 V
Power consumption		Less than 0,25 kW
Condenser	N° of condenser fans	1 pc
	Coil type	Copper tube & aluminum fin
	Condenser air flow	610 m ³ /h
Evaporator	N° of evaporator blowers	1 pc
	Evaporator coil type	Copper tube & aluminum fin
	Evaporator air flow	750 m ³ /h
Refrigerant		R134A, 0,9 kg
Dimension of roof top unit		750 x 680 x 70 mm
Weight of roof top unit		32 kg
Application		Truck cabs, trailers, farming machines and engineering machines

ELECTRIC TRUCK A/C - TKT-20ER



REF 145TA8870

TKT-20ER is a complete electrical A/C for trucks, trailers, motor homes and caravans. The unit can also operate when the engine is off, enabling a cool environment for the driver to have a good sleep. What's more, many drivers use it while driving to save fuel.

- Roof top design, streamlined appearance
- High cooling capacity, used worldwide in warm countries
- Easy installation & operation

Structure		Roof top model	
Cooling capacity		2,7 kW/9207 BTU/2325 kcal/h	
Compressor		Electrical compressor	
Voltage		DC 12 V	DC 24 V
Standard total current		≤ 60 A	≤ 30 A
Condenser	N° of condenser fans	2 pcs	
	Condenser air flow	2000 m ³ /H	
	Condenser weight	38,5 kg	
Evaporator	N° of evaporator blowers	1 pc	
	Evaporator air flow	900 m ³ /H	
	Evaporator weight	6,7 kg	
Pressure protection	High pressure	3,34 MPa	
	Low pressure	0,03 MPa	
Refrigerant		R134 A, 1,0 kg	
Dimension of roof top unit		910 x 800 x 200 mm	
Application		Truck, trailer, tractor, mining machine, motor home and caravan	

A/C STATION

REF 145TA8876

Fully automatic dual-gas station for recovering, recycling, and recharging **R134a** and **HFO1234yf** coolant.



Standard features

- Fast changeover from one gas to another
- Protection against cross-contamination thanks to separate circuits for the 2 gases
- Money-saving
- Compact design, 2-in-1 station
- 4 pressure gauges
- 7" colour touch-screen display
- Automatic discharge of non-condensable gases
- Automatic service taps
- 2 pairs of service hoses
- 4 separate lines for oil and dye
- 2 compressors
- Simple filter replacement
- High-capacity fan/air exhaust

Technical characteristics

Type of coolant	HFO1234yf
Service procedure	Fully automatic or manual
Voltage	220-240 V - 50/60 Hz
Scale resolution	10 g
Oil scale resolution	5 g
Working temperature range	11/49 °C
Filter system	2 filters for humidity
Vacuum pump	100 l/min capacity, 0.1 mbar vacuum level
Compressor	Hermetically sealed, 12cc, high-pressure
Recovery speed	300 g/min in liquid phase
Coolant bottle	2 x 12 l, refillable
Hoses	2 pairs, each 3 m
Overall size	55 x 60 x 105 cm
Weight	110 kg
Thermal printer	Standard equipment
Pressure sensors	Class 1
Display	Colour graphic, 7" touch screen
Bottle temperature sensor	Integrated
Bottle heater	Automatic

CONSUMABLES & ACCESSORIES

A/C STATION



REF 147TA3374
Trolley with wheels



REF 145TA8893

- Housing in coated steel
- Automatic injection of new oil
- Compact and easy to transport
- Large pressure gauges provide a better readability
- Automatic service alarm
- Extensive database, containing all data with regard to quantities of coolant for agricultural machinery and cars
- New control panel
- Easy blocking of the scales
- Coolant management
- Guided leak tests
- Automatic refilling of the internal tank

Technical characteristics

Type of coolant	R134a
Service procedure	Fully automatic or manual
Automatic oil extraction	Yes
Compressor 1/3 hp	1/3 hp
Vacuum pump	72 l/min
Gas bottle	7 kg
High-capacity dehydration filter	1
Electronic scales (gas/oil resolution)	+/- 10/5 g
Display	LCD
Cooling fan	1
Voltage	220-240 V - 50 Hz
Recovery speed (gr/min)	300 g/min (in liquid phase)
Dimensions	510 x 420 x 445 mm
Hoses	6 m
Bottle heater	No
Colour	Black
Weight	45 kg
Rechargeable cartridges	Yes

A/C STATION



REF 145TA8894

Fully automatic station for filling, recycling and maintaining an A/C system with **R134a** or **hfo1234YF** coolant.

- Large pressure gauges provide a better readability.
- Extensive database, containing all data with regard to quantities of coolant for agricultural machinery and cars.

Technical characteristics	
Type of coolant	R134a
Service procedure	Fully automatic or manual
Scale resolution	10 g
Working temperature range	11/49°C
Filter system	1 (humidity) filter (112 g)
Vacuum pump	100 l/min - 0.1 mbar vacuum level
Compressor	1/3 hp
Oil scale resolution	5 g
Purification capacity	300 g/min in liquid phase
Coolant reservoir	22 l, rechargeable (12 l for HFO)
Hoses	6 m
Dimensions	55 x 60 x 105 cm
Bottle heater	Standard
Weight	80 kg
Pressure gauges	Class 1
Pressure gauges (bottle)	Class 2.5

A/C STATION



REF 145TA8895

- Integrated bottle pressure gauge
- Automatic discharge of non-condensable gases
- Extensive database, containing all data with regard to quantities of coolant for agricultural machinery and cars
- Coolant management
- Automatic leak detection

Technical characteristics	
Type of coolant	R134a
Service procedure	Fully automatic or manual
Automatic oil extraction	Yes
Compressor	1/3 hp
Vacuum pump	72 l/min
Gas bottle	12 l
High-capacity dehydration filter	1
Electronic scales (gas/oil resolution)	+/- 10/5 g
Display	LCD
Cooling fan	1
Thermal printer	Yes
Bottle heater	Yes
Rechargeable, sealed cartridges	Yes
Tension	220-240 V - 50 Hz
Recovery speed (gr/min)	300 g/min (in liquid phase)
Dimensions	550 x 600 x 1050 mm
Hoses	6 m - With quick-release coupling
Hose storage pocket	Yes
Colour	Green
Weight	80 kg

CONSUMABLES & ACCESSORIES

GAS R437A



REF 145TA8880

RECOVERY CYLINDERS



REF 145TA8877

ELECTRONIC & UV LEAK DETECTION KIT



REF 143TA6496

Description

- The kit includes a leak detector and allows the user to perform electronic and UV leak detection all with one tool
- 6 levels of sensitivity (15 levels of detection)
- Tri-coloured LED indicator
- Detects leaks as small as 3 g per year
- Allowing easy access into tight areas
- Mute function

Delivered with

- Electronic and UV leak detector
- UV dye injector W/25 application dye cartridge
- Dye cleaner & UV safety glasses
- Includes custom moulded case
- Dye injector connection hose W/R12 adapter

CONSUMABLES & ACCESSORIES

ASSORTMENT ADAPTER A/C



REF 145TA8871

- 2,58 kg

A/C O-RING ASSORTMENT



REF 145TA8872

- 0,50 kg
- 200 pc

REPAIR KIT



REF 145TA8873

OIL FOR COMPRESSOR



REF 143TA6498

- 1 l

UV DYE BOTTLE



REF 143TA6499

- 32 applications
- 237 ml

OIL INJECTOR 1/4"



REF 145TA8874

CONSUMABLES & ACCESSORIES

UV LEAK DETECTION SET



REF 145TA8878

COMPRESSOR REPAIR KIT



REF 145TA8879

Tools required for the maintenance of seals, couplings and bearings. Supplied in box with manual.

FLEXIDYN PU

REF 143TA6983 – Size: 7

REF 143TA6984 – Size: 8

REF 143TA6985 – Size: 9

REF 143TA6986 – Size: 10

REF 143TA6987 – Size: 11

Recommendations

For handling sharp parts in a dry or greasy environment (Dynaflex)

Characteristics

- Cat II
- EN 420
- EN 388:4543



Honeywell

CONTACT CLEANER

REF 143TA6892

- Effective precision cleaner for electrical/electronic equipment
- Quickly cleans contacts and components
- Removes flux traces, light oils, finger prints and other contaminants
- 500 ml



CRC

CONSUMABLES & ACCESSORIES

ECO LEAK FINDER FPS

REF 143TA6918

- Quick and reliable water-based gas leak detector
- Can be used for almost all types of gases
- Contains anti-corrosion agents and stabilizers
- 500 ml



O-RING KIT

REF 147TA3485

- Emergency repair kit to make replacement o-rings on the spot
 - Easy to handle
 - Ready to use in just seconds
 - Creates a bond that is as strong as the rubber itself
- Contains:**
- Nitrile rubber cord with 5 different diameters
 - Splicing jig
 - Safety knife
 - Loctite 406 20g



MINUS 50

REF 143TA6920

- Coolant for electrical and electronic use
- Not flammable
- Used to cool down parts and components to temperatures below 0 °C to a minimum of -50 °C
- 500 ml



CONSUMABLES & ACCESSORIES

HEAVY-DUTY TUBE CUTTER



REF 143TA7432

- Used for 1/8"–1 1/8" O.D. tubing (1/4"–1" nominal)

PLUMBER TYPE MINI TUBE CUTTER



REF 143TA7434

- Designed for applications with limited working space
- Cuts soft copper, aluminium and thin wall steel tubing
- Tube cutter for 1/8"–7/8" (4–22 mm) O.D. tubing (1/8"–3/4" nominal)

6 PIECE FLARE NUT WRENCH SET – METRIC



REF 143TA3792

Contents:

- 6 flare nut wrenches: 8 x 10 – 10 x 11 – 11 x 13 – 12 x 14 – 17 x 19 – 19 x 22 mm

HOSE CLAMP PLIERS



REF 143TA7516

(Old: 74/9580-993)

- 15 mm

REF 143TA7517

(Old: 74/9580-992)

- 60 mm

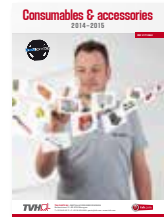
PRODUCT SPECIALS



- Beta quality tools & workwear
- Document & accessories holders
- Drum handling & accessories
- Force professional tools
- Forks & accessories
- Hardware special
- Hydraulic power units
- Jacks & supports
- LED lights
- Lubrication & accessories
- Maintenance special
- Mirror special
- Oils & greases
- Press special
- Safety & ergonomics
- Seats & accessories
- Skips, scoops & crane jibs
- Summertime special
- Twistlocks
- Tyres & accessories
- Weighing special
- Windshields & glazing
- Winter products

- REF 17857457
- REF 14372877
- REF 21735662
- REF 22835159
- REF 21641763
- REF 21720627
- REF 21713854
- REF 18178749
- REF 22775197
- REF 21841408
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- REF 21715151
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