

# KOMAN



## HVAC MACHINE AND TOOL CATALOG

# KOMAN

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# CONTENTS

## 01 TUBE CUTTERS

|                               |    |
|-------------------------------|----|
| ROLLER TYPE TUBE CUTTER.....  | 02 |
| SMART SPRING TUBE CUTTER..... | 03 |

## 02 FLARING TOOLS

|                                               |    |
|-----------------------------------------------|----|
| ECCENTRIC CONE TYPE FLARING TOOL .....        | 04 |
| RATCHET ECCENTRIC CONE TYPE FLARING TOOL..... | 05 |
| FLARING TOOL .....                            | 06 |
| LITHIUM FLARING TOOL .....                    | 08 |
| ELECTRIC CORDLESS FLARING TOOL .....          | 10 |

## 03 TUBE EXPANDERS

|                                          |    |
|------------------------------------------|----|
| LEVER TUBE EXPANDER .....                | 11 |
| HYDRAULIC TUBE EXPANDER .....            | 12 |
| LITHIUM TUBE EXPANDER .....              | 13 |
| 90°PIPE BENDER SET .....                 | 15 |
| 180°3-IN-1 LADDER TYPE TUBE BENDER ..... | 16 |
| ROLLER TYPE TUBE BENDER .....            | 17 |

## 04 SCALES

|                               |    |
|-------------------------------|----|
| WIRELESS CHARGING SCALE ..... | 18 |
|-------------------------------|----|

## 05 VACUUM METER

|                    |    |
|--------------------|----|
| VACUUM METER ..... | 19 |
|--------------------|----|

## 06 SINGLE METERS

|                             |    |
|-----------------------------|----|
| DIGITAL SINGLE METERS ..... | 20 |
| SINGLE METERS .....         | 20 |

## 07 MANIFOLD GAUGES

|                                      |    |
|--------------------------------------|----|
| 2-VALVE DIGITAL MANIFOLD GAUGE ..... | 21 |
| 2-VALVE MANIFOLD GAUGE .....         | 21 |

## 08 VACUUM PUMPS

|                                |    |
|--------------------------------|----|
| INTELLIGENT VACUUM PUMPS ..... | 22 |
|--------------------------------|----|

## 09 REFRIGERANT RECOVERY MACHINE

|                                                    |    |
|----------------------------------------------------|----|
| DIGITAL DISPLAY REFRIGERANT RECOVERY MACHINE ..... | 21 |
|----------------------------------------------------|----|

## 10 SERVICE TOOLS

|                                     |    |
|-------------------------------------|----|
| TUBE EXPANDER .....                 | 26 |
| FIN STRAIGHTENER .....              | 26 |
| DEBURRER .....                      | 27 |
| INNER-OUTER REAMER .....            | 27 |
| PINCH OFF PLIER (STRONG TYPE) ..... | 28 |
| REPAIR PLIER .....                  | 29 |
| TUBE STRAIGHTENING TOOL .....       | 29 |

# ROLLER TYPE TUBE CUTTER

## KM-532



| Item No. | Description                |                                    |
|----------|----------------------------|------------------------------------|
| KM-319   | Roller Type<br>Tube Cutter | For $\Phi$ 1/8" to 3/4"(3-19mm)    |
| KM-428   |                            | For $\Phi$ 3/16" to 1-1/8"(4-28mm) |
| KM-532   |                            | For $\Phi$ 3/16" to 1-1/4"(5-32mm) |
| KM-650   |                            | For $\Phi$ 1/4" to 2"(6-50mm)      |
| KM-670   |                            | For $\Phi$ 1/4" to 2-3/4"(6-70mm)  |



## KM-428

- ★Alloy steel blade: sharp and durable
- ★Ball bearing: flexible and accurate
- ★Aluminum alloy cutter body: light and labor-saving

# SMART SPRING TUBE CUTTER

## KM-532S



Bender Spring Design

- ★ smart spring design, fast blade feed in
- ★ sharp blade design, smooth edge
- ★ bearing roller design, smooth cutting

| Item No. |                          | Description                 |
|----------|--------------------------|-----------------------------|
| KM-532S  | Smart Spring Tube Cutter | For 3/16" to 1-1/4"(5-32mm) |
| KM-650S  |                          | For 1-4" to 2"(6-50mm)      |

## **ECCENTRIC CONE TYPE FLARING TOOL** **KM-806A**

- ★High strength aluminum alloy clamp
- ★Aluminum alloy clamp limit plate
- ★Forged high strength aluminium alloy yoke
- ★Super tactility, precise flaring, lightweight



|  | Item No.   | Description                             |                                                                        |
|------------------------------------------------------------------------------------|------------|-----------------------------------------|------------------------------------------------------------------------|
|                                                                                    | KM-806A    | For inch:1/4",5/16",3/8",1/2",5/8",3/4" |                                                                        |
|                                                                                    | KM-806FT-L | KM-806+KM-532+KM-207                    | For inch and metric:1/4",5/16",3/8",1/2",5/8",3/4" & 6,9,10,12,16,19mm |

## **KM-809AM**

- ★Metric & Inch 2 in 1
- ★Support 9mm pipe flare
- ★High-strength aluminum alloy,  
lightweight, super durable

|  | Item No. | Description                                                                   |
|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------|
|                                                                                     | KM-809AM | Metric & Inch 2 in 1:6mm,1/4",9mm,3/8",10mm,12mm,1/2",5/8"(16mm) & 3/4"(19mm) |



# RATCHET ECCENTRIC CONE TYPE FLARING TOOL

## KM-R806A



- ★ Ratchet (removable handle)
- ★ Can be used with electric drill
- ★ High strength aluminum alloy clamp
- ★ Aluminum alloy clamp limit plate
- ★ Forged high strength aluminium alloy yoke
- ★ Super tactility, precise flaring, lightweight

|  | Item No.     | Description           |                                                                                   |
|--|--------------|-----------------------|-----------------------------------------------------------------------------------|
|  | KM -R806FT-L | KM-R806+KM-532+KM-207 | For inch and metric: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" & 6, 9, 10, 12, 16, 19mm |



## FLARING TOOL KM-519FT

PATENTED



Accurate flaring



High efficiency



Lightweight





## FLARING TOOL

KM-519FT

PATENTED

**Easy flaring  
convenient and fast**

Multi-size flaring clamps



Eccentric flaring cone

Can be used with electric drill  
More efficient and less labor

| Item No. | Description                                               |
|----------|-----------------------------------------------------------|
| KM-519FT | 1/4", 3/8", 1/2", 5/8"(16mm), 3/4"(19mm)                  |
|          | Optional Flaring Clamps: 5/16"(8mm), 6mm, 9mm, 10mm, 12mm |

## LITHIUM FLARING TOOL

### KM-E800A

PATENTED



Lithium drive



High efficiency

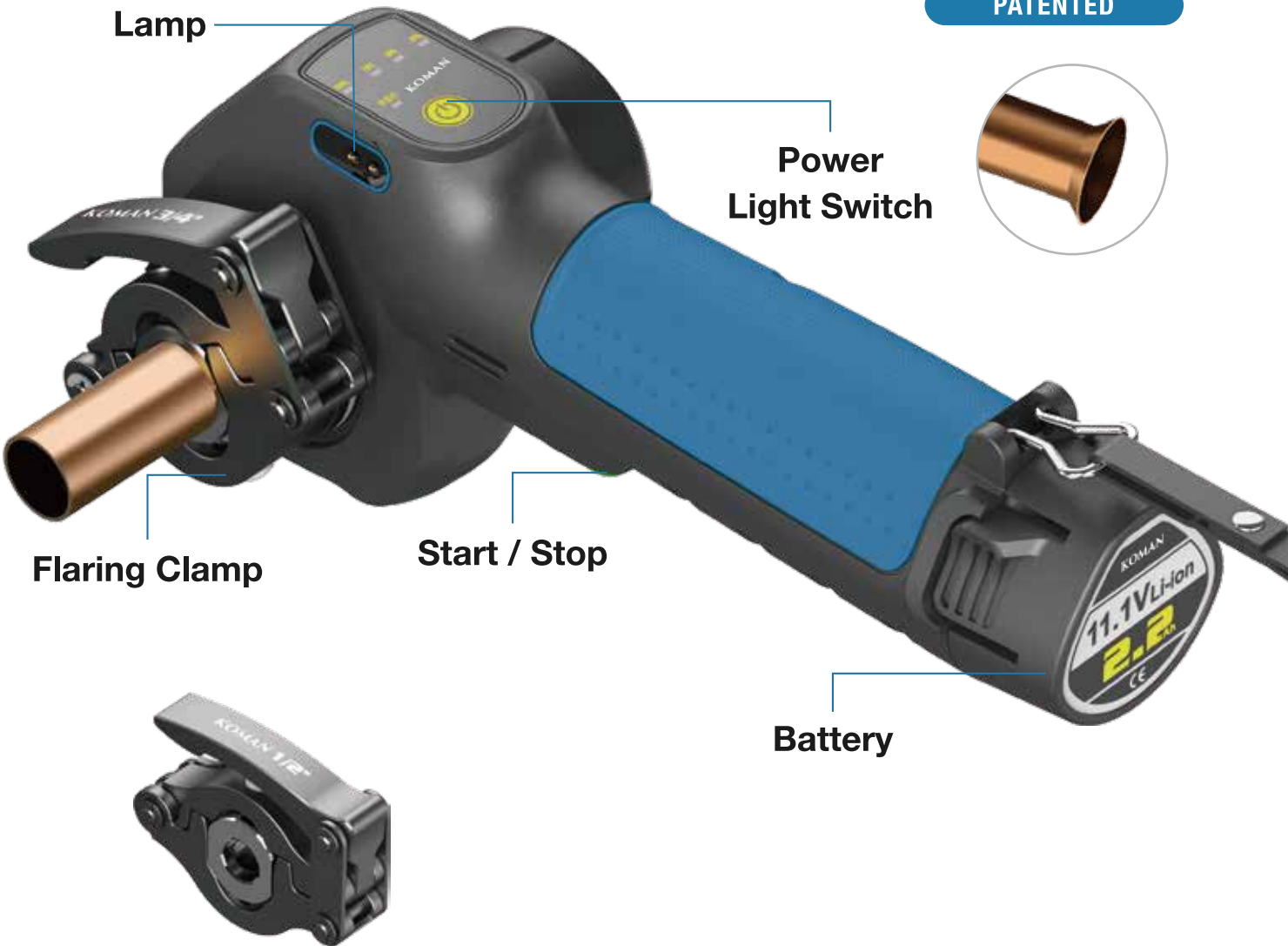


Long life battery

LITHIUM FLARING TOOL

KM-E800A

PATENTED



Flaring clamps

Easy flaring convenient and fast

|                 |                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------|
| Item No.        | KM-E800A                                                                                         |
| Power           | 11.1V Lithium battery                                                                            |
| Applicable Tube | Copper tube                                                                                      |
| Tube Diameter   | 1/4", 3/8", 1/2", 5/8"(16mm), 3/4"(19mm)<br>Optional flaring clamps: 6mm, 8mm(5/16"), 10mm, 12mm |
| Dimension       | 245x114x102 mm                                                                                   |
| Weight          | 3.5 kgs                                                                                          |

# ELECTRIC CORDLESS FLARING TOOL

## KM-E809AM-L



- ★Metric & Inch 2 in 1
- ★Support 9mm pipe flare
- ★Cordless flare make work easier



**Precise flare, exquisite workmanship, super durable**

| Item No.    | Description                                                                             |
|-------------|-----------------------------------------------------------------------------------------|
| KM-E809AM-L | Metric & Inch 2 in 1: 6mm, 1/4", 9mm, 3/8", 10mm, 12mm, 1/2", 5/8" (16mm) & 3/4" (19mm) |

# LEVER TUBE EXPANDER

## KM-100



**Lightweight forged alloy aluminum easy to carry**

| Item No. | Description    |                                                                |
|----------|----------------|----------------------------------------------------------------|
| KM-100A  | KM-100A+KM-532 | For inch: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8" O.D. Tubing |



## HYDRAULIC TUBE EXPANDER

### KM-300A



**Lightweight forged aluminum alloy easy to carry**

| Item No. | Description    |                                                        |
|----------|----------------|--------------------------------------------------------|
| KM-300A  | KM-300A+KM-532 | For inch: 3/8",1/2",5/8",3/4",7/8",1",1-1/8"O.D.Tubing |

LITHIUM TUBE EXPANDER  
KM-E300A

PATENTED



| Item No. | Description     |                                                    |
|----------|-----------------|----------------------------------------------------|
| KM-E300A | KM-E300A+KM-532 | For inch: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8" |



## LITHIUM TUBE EXPANDER KM-E300A

PATENTED



Lithium drive



High efficiency



Long life battery

# 90°PIPE BENDER SET

## KM-R999



### Reverse bending



### Easy operation perfect bending

| Item No.       | Description                                                                     |                                              |
|----------------|---------------------------------------------------------------------------------|----------------------------------------------|
| KM-R999+KM-207 | For inch:1/4",5/16",3/8",1/2",5/8",3/4",7/8"<br>For metric:6,8,10,12,16,19,22mm | In blow-mold carrying case<br>Aluminum wheel |

## 180°3-IN-1 LADDER TYPE TUBE BENDER

PATENTED



**KM-612A** For 1/4", 3/8" & 1/2" O.D. Tubing

- ★ Aluminum alloy body
- ★ Open size-slips on tubing at any point, can bend 0.4mm thin tube without distortion.
- ★ Calibrated markings for making accurate left-hand, right-hand, and offset bends 180° start requires less effort.



**KM-N368-180°**

For 1/4", 5/16" & 3/8" O.D. Tubing

# ROLLER TYPE TUBE BENDER

**PATENTED****KM-N364-10****Bender wheel****Fixing hook locate the tube****KM-N364-06**

## High-strength aluminum alloy, lightweight

| Item No.    | Description                    |
|-------------|--------------------------------|
| KM-N364A-06 | use for 3/8" O.D.Tubing        |
| KM-N364A-08 | use for 1/2" O.D.Tubing        |
| KM-N364A-10 | use for 5/8" & 16mm O.D.Tubing |
| KM-N364A-12 | use for 3/4" & 19mm O.D.Tubing |
| KM-N364A-14 | use for 7/8" & 22mm O.D.Tubing |

## WIRELESS CHARGING SCALE

PATENTED

### KM-RF100



#### High Strength Aluminum Alloy Weighing Plate

Range of Weight 275LB  
Easy to Carry

#### Wireless Control Technology

Not Affected by Control Line  
More Accurate Load-bearing

#### High-reliability Weighing Sensor

Accuracy 0.05% of Reading  
Resolution  $\pm 5g$

#### Large Screen Controller

Easy to Read Data  
Backlight Use for Night

### Technical parameter

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Weight Range        | 100kg                                                                            |
| Resolution          | 5g、0.01LB、0.16oz                                                                 |
| Precision           | $\pm 0.05\%$                                                                     |
| Power Supply        | Scale Power: 1.5V $\times$ 6 ( AA )<br>Controller Power: 1.5V $\times$ 5 ( AAA ) |
| Battery Life        | 50 Hours                                                                         |
| Operate Temperature | 14 ~ 113°F                                                                       |
| Net Weight          | 4.13kgs                                                                          |
| Platform Size       | 314*239*61mm                                                                     |





## VACUUM METER

### KM-VG90

- ★ The vacuum was measured at 99999pa~0.1pa.
- ★ Target vacuum alarm function.
- ★ One key full degree calibration.
- ★ System vacuum leak detection, identify the advantages and disadvantages of vacuum degree.
- ★ Portable design, battery power supply, power display, automatic shutdown (no operation for 10 minutes), etc.

### Technical parameter

|                           |                                        |
|---------------------------|----------------------------------------|
| Range                     | 99999pa~0.1pa,740000~0.75micron        |
| Accuracy                  | 0.1pa~1000pa;reading±5%(At 20°C)       |
| Resolution                | 0.1pa(<10pa);1pa(<100pa);10pa(<1000pa) |
| Unit                      | Pa,mBar,mmHg,mTorr,inHg,Microns        |
| Battery Life              | 40 Hours(3×AA Battery)                 |
| Maximum Overload Pressure | 0.5 Mpa/72 psi                         |
| Operating Temperature     | 31~50°C                                |
| Buzzer Alarm              | 90db, Shut down after 10 seconds       |



## DIGITAL SINGLE METERS



**KM-B168DH**

- ★ Collapsible Hook
- ★ Manual Ball Valve Design
- ★ Gauge Protector & Shock Proof
- ★ Built-in More Than 90 Kinds of Refrigerant Gas

|  | ITEM NO.                  | DESCRIPTION                                                                                |
|-----------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------|
|                                                                                   | KM-B168DH (HIGH PRESSURE) | More than 90 refrigerants data including R22、R32、R600、R1234YF、R410A、R134A etc in manifold. |
|                                                                                   | KM-B168DL (LOW PRESSURE)  |                                                                                            |

## SINGLE METERS



**KM-B168H**

- ★ Collapsible Hook
- ★ Optional Gauges
- ★ Aluminum Hand Wheel
- ★ Manual Ball Valve Design
- ★ Gauge Protector & Shock Proof

|  | ITEM NO.                 | DESCRIPTION           |
|-------------------------------------------------------------------------------------|--------------------------|-----------------------|
|                                                                                     | KM-B168H (HIGH PRESSURE) | R22、R404A、R410A、R407C |
|                                                                                     | KM-B168L (LOW PRESSURE)  |                       |

## 2-VALVE DIGITAL MANIFOLD GAUGE

- ★ Collapsible Hook
- ★ Manual Ball Valve Design
- ★ Gauge Protector & Shock Proof
- ★ Built-in More Than 90 Kinds Of Refrigerant Gas



KM-B268D

|  | Item No. | Size Of Hose | Description                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------|----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                    | KM-B268D | 60"(150cm)   | 3pcs red(1/4"SAE),yellow(1/4"SAE),& blue(1/4"SAE), charging hoses.Working pressure 800PSI,Burst 4000PSI. A sight glass Aluminum testing manifold body. Designed to meet 1/4" SAE requirement for refrigerant permutation.<br><br>More than 90 refrigerants data including R22、R32、R600、R1234yf、R410A、R134A etc in manifold. |

## 2-VALVE MANIFOLD GAUGE

- ★ Collapsible Hook
- ★ Optional Gauges
- ★ Aluminum Hand Wheel
- ★ Manual Ball Valve Design
- ★ Gauge Protector & Shock Proof



KM-B268M

|  | Dimeter Of Gauge 68mm | Gauge Scale                    | Size Of Hose | Description                                                                                                                                                      |
|-------------------------------------------------------------------------------------|-----------------------|--------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     | KM-B268M              | R22<br>R404A<br>R410A<br>R407C | 60"(150cm)   | 3pcs red(1/4"SAE),yellow(1/4"SAE),& blue(1/4"SAE), charging hoses.Working pressure 800Psi Burst 4000Psi. A sight glass aluminum body. Designed to meet 1/4" SAE. |

## INTELLIGENT VACUUM PUMPS

### KM-2BM

PATENTED

USE FOR  
**R32**



- ★ Sparkless brushless motor use for R1234YF, R290, R32 etc flammable refrigerants.
- ★ Portable and novel appearance.
- ★ Integrated cylinder, superior air impermeability.

| Item No.      | KM-2BM                | KM-2S               |
|---------------|-----------------------|---------------------|
| Flow Rate     | 2.5 CFM<br>71 L/MIN   | 2.5 CFM<br>71 L/MIN |
| Pole No.      | Dual Stages           | Single Stage        |
| Power         | 1/4 HP                | 1/4 HP              |
| Ultimate Vac. | 2x10 <sup>-1</sup> Pa | 2 Pa                |
| Inlet Port    | 1/4" & 3/8" flare     | 1/4" & 3/8" flare   |
| Oil Capacity  | 240 ml                | 300 ml              |
| Dimension     | 215.5x105x200mm       | 215.5x105x200mm     |
| Weight        | 3.5 kgs               | 3 kgs               |

## INTELLIGENT VACUUM PUMPS

USE FOR

R32

## KM-4BM

PATENTED



- ★ Sparkless brushless motor use for R1234YF, R290, R32 etc flammable refrigerants.
- ★ Portable and novel appearance.
- ★ Integrated cylinder, superior air impermeability.

| Item No.      | KM-4BM                | KM-4S             |
|---------------|-----------------------|-------------------|
| Flow Rate     | 4.5 CFM               | 4.5 CFM           |
|               | 127 L/MIN             | 127 L/MIN         |
| Pole No.      | Dual Stages           | Single Stage      |
| Power         | 1/4 HP                | 1/4 HP            |
| Ultimate Vac. | $2 \times 10^{-1}$ Pa | 2 Pa              |
| Inlet Port    | 1/4" & 3/8" flare     | 1/4" & 3/8" flare |
| Oil Capacity  | 720 ml                | 890 ml            |
| Dimension     | 290x128x276mm         | 290x128x276mm     |
| Weight        | 5.3 kgs               | 4.7 kgs           |

## INTELLIGENT VACUUM PUMPS

USE FOR  
**R32**

### KM-8BM

PATENTED



- ★ Sparkless brushless motor use for R1234YF, R290, R32 etc flammable refrigerants.
- ★ Portable and novel appearance.
- ★ Integrated cylinder, superior air impermeability.

| Item No.      | KM-8BM                | KM-8S                |
|---------------|-----------------------|----------------------|
| Flow Rate     | 8.5 CFM<br>241 L/MIN  | 8.5 CFM<br>241 L/MIN |
| Pole No.      | Dual Stages           | Single Stage         |
| Power         | 1/3 HP                | 1/3 HP               |
| Ultimate Vac. | 2x10 <sup>-1</sup> Pa | 2 Pa                 |
| Inlet Port    | 1/4" & 3/8" flare     | 1/4" & 3/8" flare    |
| Oil Capacity  | 570 ml                | 600 ml               |
| Dimension     | 349x139x333mm         | 349x139x333mm        |
| Weight        | 11 kgs                | 10.5 kgs             |

## DIGITAL DISPLAY REFRIGERANT RECOVERY MACHINE

USE FOR

**R32**

Digital Display

Oil-free  
CompressorSingle Knob  
Switch with  
Self-clearing Function

Brushless DC Motor

## LIGHT WEIGHT FAST RECOVERY

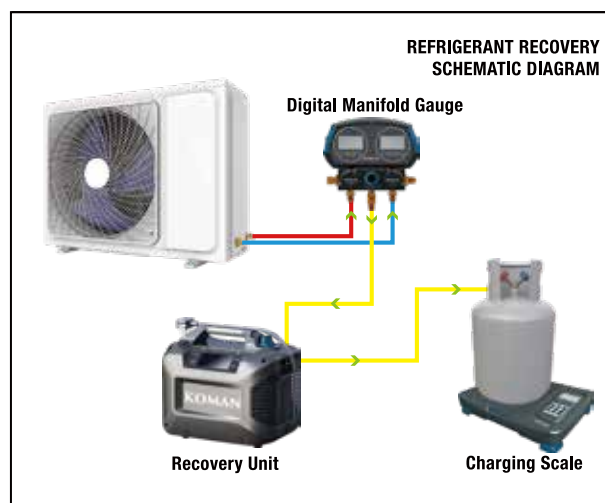
KM-520D

**Brushless DC Motor**Safe, Sparkless Design  
Light Weight, Easy to Carry**Double Cylinder Design**Quick Recovery  
Compact Structure**Digital Display**Easy and accurate reading of pressure values  
Backlight for night use**Oilless Compressor**

Suitable for R32, R600 and all other refrigerants

**Built-in Pressure Sensor**Accurate measurement of pressure values  
Overpressure protection (38kg)**Purge**

Prevent Mixing of Different Refrigerants



| Item No.                 | KM-520D                                                                                                                                                                                                          |             |             |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| Suitable refrigerant gas | III series: R12, R134a, R401C, R406A, R500, 1234YF<br>IV series: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509<br>V series: R402A, R404A, R407A, R407B, R410A, R507, R32 |             |             |
| Cylinder quantity        | 2 cylinder                                                                                                                                                                                                       |             |             |
| Power                    | 220V-240V, 50/60Hz                                                                                                                                                                                               |             |             |
| Motor                    | 750W(1HP)                                                                                                                                                                                                        |             |             |
| Speed of revolution      | 2500 RPM                                                                                                                                                                                                         |             |             |
| Electric current         | 220V:6A                                                                                                                                                                                                          |             |             |
| Compressor               | No oil lubricate, Forced air cooling, Piston type                                                                                                                                                                |             |             |
| High pressure protection | 38.5bar / 3850kPa(558psi)                                                                                                                                                                                        |             |             |
| Operating temperature    | 0°C ~ 40°C / 32 ~ 104°F                                                                                                                                                                                          |             |             |
| Dimensions               | 375 x 250 x 320 mm                                                                                                                                                                                               |             |             |
| Net weight               | 10 kg                                                                                                                                                                                                            |             |             |
| Refrigerant gas          | R134a                                                                                                                                                                                                            | R22         | R410A       |
| Liquid                   | 2.40 kg/min                                                                                                                                                                                                      | 2.70 kg/min | 3.50 kg/min |
| Push-pull mode           | 7.50 kg/min                                                                                                                                                                                                      | 8.50 kg/min | 9.50 kg/min |



## TUBE EXPANDER

### KM-622

PATENTED



Use for: 6mm,8mm,9mm,  
10mm,12mm,16mm,19mm,  
22mm,1/4",5/16",3/8",1/2",  
5/8",3/4",7/8" O.D. Tubing

## FIN STRAIGHTENER

### KM-351

PATENTED



For 8,9,10,12,14,15  
Spacings per inch.

## DEBURRER

### KM-207

PATENTED



Handy deburrer, Blade  
can be swivelled.

## INNER-OUTER REAMER

### KM-209

PATENTED



Aluminum body  
1/4" ~ 1-5/8" O.D. Tubing.  
Easy to deburr.

PINCH OFF PLIER (STRONG TYPE)

KM-201B

PATENTED



Strong pipe sealing



DURABLE



ULTRA-HIGH HARDNESS



FINE FORGING



FIRMLY ANTI-SKID



HIGH-QUALITY STEEL



LARGE TORSION

| Item No. | Description | Scope Of Application | Length | Weight |
|----------|-------------|----------------------|--------|--------|
| KM-201B  | 10inches    | 3-10mm(1/8"-3/8")    | 228mm  | 0.5kg  |

## REPAIR PLIER

### KM-301

PATENTED



Use for 1/4", 3/8", 1/2", 5/8",  
EASILY REPAIR  
FLATTENED PIPES.

## TUBE STRAIGHTENING TOOL

### KM-302

PATENTED



| Item No.  | Description              | Item No.  | Description             |
|-----------|--------------------------|-----------|-------------------------|
| KM-302-02 | Use for 3/16" O.D.Tubing | KM-302-08 | Use for 1/2" O.D.Tubing |
| KM-302-04 | Use for 1/4" O.D.Tubing  | KM-302-10 | Use for 5/8" O.D.Tubing |
| KM-302-06 | Use for 3/8" O.D.Tubing  |           |                         |



KOMAN



## HVAC&R MACHINE AND TOOL

Koman tools devoted in industrial design to make all of our new products reach state-of-the-art in aesthetics and ease-of-use.

We are able to guarantee the best products that will satisfy all customers' demands.