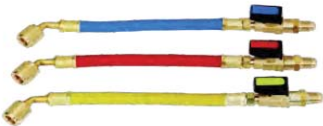


## Manifold Gauge

|                                                                                     |                                                                    |                                                                                      |                                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|    | <p><b>LD.R1.01</b></p> <p>manifold gauge<br/>brass body</p>        |    | <p><b>LD.R1.02</b></p> <p>manifold gauge<br/>brass body</p>                            |
|    | <p><b>LD.R1.03</b></p> <p>manifold gauge<br/>aluminum body</p>     |    | <p><b>LD.R1.04</b></p> <p>manifold gauge<br/>aluminum body</p>                         |
|   | <p><b>LD.R1.05</b></p> <p>manifold gauge<br/>aluminum body</p>     |   | <p><b>LD.R1.06</b></p> <p>manifold gauge<br/>aluminum body</p>                         |
|  | <p><b>LD.R1.07</b></p> <p>manifold gauge set<br/>aluminum body</p> |  | <p><b>LD.R1.08</b></p> <p>manifold gauge set<br/>electronic type<br/>with suitcase</p> |
|  | <p><b>LD.R1.09</b></p> <p>manifold gauge<br/>electronic type</p>   |  | <p><b>LD.R1.10</b></p> <p>manifold gauge set<br/>electronic type<br/>with suitcase</p> |

## Gauge & charging hose

|                                                                                     |                                                                                                |                                                                                      |                                                                             |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|    | <p><b>LD.R2.01</b></p> <p>One-way manifold gauge</p>                                           |    | <p><b>LD.R2.02</b></p> <p>One-way manifold gauge</p>                        |
|     | <p><b>LD.R2.03</b></p> <p>One-way manifold gauge</p>                                           |    | <p><b>LD.R2.04</b></p> <p>One-way manifold gauge</p> <p>Electronic type</p> |
|  | <p><b>LD.R2.05</b></p> <p>R410A</p>                                                            |  | <p><b>LD.R2.06</b></p> <p>R12, R22, R502</p>                                |
|  | <p><b>LD.R2.07</b></p> <p>hose with ball valve<br/>1/4 SAE, 5/16SAE,<br/>3/8 SAE, 1/2 ACME</p> |  | <p><b>LD.R2.08</b></p> <p>charging hose</p>                                 |
|  | <p><b>LD.R2.09</b></p> <p>charging hose</p>                                                    |  | <p><b>LD.R2.10</b></p> <p>charging hose</p>                                 |

## Quick Coupler & Core Tool

|                                                                                     |                                                                                             |                                                                                      |                                                                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|    | <p><b>LD.R3.01</b></p> <p>quick coupler</p> <p>C3771BD copper adjustable open and close</p> |    | <p><b>LD.R3.02</b></p> <p>quick coupler</p> <p>C3771BD copper adjustable open and close</p> |
|    | <p><b>LD.R3.03</b></p> <p>quick coupler</p>                                                 |    | <p><b>LD.R3.04</b></p> <p>quick coupler</p>                                                 |
|   | <p><b>LD.R3.05</b></p> <p>quick coupler</p>                                                 |  | <p><b>LD.R3.06</b></p> <p>Automotiver R-134A vacuum/charge recover core tool</p>            |
|  | <p><b>LD.R3.07</b></p> <p>core remove tool</p>                                              |  | <p><b>LD.R3.08</b></p> <p>core remove tool</p>                                              |
|  | <p><b>LD.R3.09</b></p> <p>valve core tool</p>                                               |  | <p><b>LD.R3.10</b></p> <p>multinational valve tool kit</p>                                  |

## Flush Gun kit



**LD.R4.01**

Flushing gun kit  
with gauge



**LD.R4.02**

Flushing gun kit



**LD.R4.03**

Flushing gun kit



**D.R4.04**

flex hose with valve  
and gauge for  
nitrogen  
1/4SAE  
Application: **N2**



**LD.R4.05**

Oil filler  
For filling freezing  
oil



**LD.R4.06**

Oil filler  
For filling freezing  
oil



**LD.R4.07**

charging support



**LD.R4.08**

charging support



**LD.R4.09**

charging kit for  
R134A system



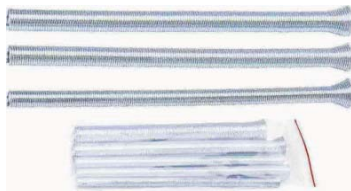
**LD.R4.10**

fluorescent injector  
kit

## Refrigeration Tool

|                                                                                     |                                                                                                                                                           |                                                                                      |                                                                                                                                                       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>LD.R5.01</b></p> <p>ROLLER TYPE TUBE CUTTER</p> <p>For <math>\Phi 3/16</math>" to 1-1/8" (4-28mm)<br/>Zinc alloy body</p>                           |    | <p><b>LD.R5.02</b></p> <p>ROLLER TYPE TUBE CUTTER</p> <p>For <math>\Phi 1/4</math>" to 2-3/4" (6-70mm)<br/>Aluminum alloy body</p>                    |
|    | <p><b>LD.R5.03</b></p> <p>Heavy-duty Cutter<br/>Aluminum alloy body<br/>for 1/8" to 1 1/8"</p>                                                            |    | <p><b>LD.R5.04</b></p> <p>Mini Cutter<br/>zinc alloy body<br/>for 1/8" to 7/8"</p>                                                                    |
|  | <p><b>LD.R5.05</b></p> <p>Heavy-duty Cutter<br/>Aluminum alloy body<br/>for 1/8" to 1 1/8"</p>                                                            |  | <p><b>LD.R5.06</b></p> <p>Ratchet wrench<br/>4 sizes:<br/>1/4", 3/16", 9/16", 1/2"<br/>hex ratchet.</p>                                               |
|  | <p><b>LD.R5.07</b></p> <p>Pinch-off Tool</p>                                                                                                              |  | <p><b>LD.R5.08</b></p> <p>Pinch-off Tool</p>                                                                                                          |
|  | <p><b>LD.R5.09</b></p> <p>inner-outer reamer<br/>Plastic body,<br/>3/16"~1-1/2" O.D.<br/>tubing<br/>Reams both inside and<br/>outside edges of tubing</p> |  | <p><b>LD.R5.10</b></p> <p>inner-outer reamer<br/>Zinc body,<br/>1/4"~1-5/8" O.D.<br/>tubing<br/>Reams both inside and<br/>outside edges of tubing</p> |

## Refrigeration Tool

|                                                                                     |                                                                                                                                                                          |                                                                                      |                                                                                                                                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>LD.R6.01</b></p> <p>Fin straightener<br/>For 8", 9", 10", 12",<br/>14", 15"<br/>Spacings per inch</p>                                                              |    | <p><b>LD.R6.02</b></p> <p>Fin straightener<br/>stainless steel.<br/>Cleaning&amp;straighteni<br/>ng evaporator fin.</p>             |
|    | <p><b>LD.R6.03</b></p> <p>CAPILLARY TUBE<br/>CUTTER</p> <p>Cuts all sizes of<br/>capillary tubes without<br/>collapsing nor swaging<br/>the tubes.</p>                   |    | <p><b>LD.R6.04</b></p> <p>DEBURRER</p> <p>Handy deburrer,<br/>blade can be<br/>swivelled.</p>                                       |
|  | <p><b>LD.R6.05</b></p> <p>INSPECT MIRROR</p> <p>Mirror O.D: 32mm<br/>50mm<br/>Length closed: 127mm,<br/>200mm Length open :<br/>500mm, 410mm<br/>Diameter: 8mm. 10mm</p> |  | <p><b>LD.R6.06</b></p> <p>PICK UP TOOLS<br/>Length closed:<br/>126mm<br/>Length open: 637mm</p>                                     |
|   | <p><b>LD.R6.07</b></p>                                                                                                                                                   |  | <p><b>LD.R6.08</b></p> <p>Bender Spring</p>                                                                                         |
|  | <p><b>LD.R6.09</b></p> <p>GRABBER FLARING<br/>TOOL</p> <p>For 3/16"to 3/4"&amp;5mm to<br/>19mm O.D.</p>                                                                  |  | <p><b>LD.R6.10</b></p> <p>BLOCKS TYPE<br/>FLARING TOOL</p> <p>For inch:<br/>3/16",1/4",5/16",3/8",1/2",<br/>5/8" &amp; 3/4"O.D.</p> |

## Refrigeration Tool

|                                                                                     |                                                                                                                                                                 |                                                                                      |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>LD.R7.01</b></p> <p>ELECTRIC CONE TYPE FLARING TOOLS</p> <p>For inch:<br/>3/16",1/4",5/16",3/8",1/2",<br/>5/8"&amp; 3/4"O.D. Tubing</p>                   |    | <p><b>LD.R7.02</b></p> <p>ELECTRIC CONE TYPE FLARING TOOLS</p> <p>For inch:<br/>3/16",1/4",5/16",3/8",1/2",<br/>5/8",3/4"&amp;5mm,6mm,8mm,<br/>10mm,12mm,16mm,19mm<br/>O.D. Tubing</p> |
|    | <p><b>LD.R7.03</b></p> <p>ELECTRIC CONE TYPE FLARING TOOLS</p> <p>For inch:<br/>3/16",1/4",5/16",3/8",1/2",<br/>5/8"&amp; 3/4"O.D. Tubing</p>                   |    | <p><b>LD.R7.04</b></p> <p>ELECTRIC CONE TYPE FLARING TOOLS</p> <p>For inch:<br/>3/16",1/4",5/16",3/8",1/2",<br/>5/8",3/4"&amp;5mm,6mm,8mm,<br/>10mm,12mm,16mm,19mm</p>                 |
|   | <p><b>LD.R7.05</b></p> <p>ELECTRIC CONE TYPE FLARING TOOLS</p> <p>For inch&amp;metric:<br/>1/4"(6mm),5/16"(8mm),3/8"(10mm),1/2"(12mm),5/8"(16mm),3/4"(19mm)</p> |   | <p><b>LD.R7.06</b></p> <p>13PCS TUBING TOOL KIT</p>                                                                                                                                    |
|  | <p><b>LD.R7.07</b></p> <p>45°FLARING &amp; SWAGING TOOL KIT</p>                                                                                                 |  | <p><b>LD.R7.08</b></p> <p>45°FLARING &amp; SWAGING TOOL KIT</p>                                                                                                                        |
|  | <p><b>LD.R7.09</b></p> <p>HYDRAULIC EXPANDER &amp; FLARING TOOLS</p> <p>For inch:<br/>3/16",1/4",5/16",3/8",1/2",<br/>5/8",3/4",7/8"</p>                        |  | <p><b>LD.R7.10</b></p> <p>HYDRAULIC HOSE COMPRESSING TOOLS</p>                                                                                                                         |

## Refrigeration Tool

|                                                                                     |                                                                                                                  |                                                                                      |                                                                                                                                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>LD.R8.01</b></p> <p>lever type tube bender</p> <p>for 1/4" to 7/8"</p>                                     |    | <p><b>LD.R8.02</b></p> <p>180° 3-in-1 TUBE BENDER</p> <p>For 1/4", 5/16" &amp; 3/8" size O.D. Tubing<br/>Aluminum alloy body<br/>bend radius 15/16" (24mm)</p> |
|    | <p><b>LD.R8.03</b></p> <p>180° 4-in-1 FIBRE TUBE BENDER</p> <p>For 3/16", 1/4", 5/16", 3/8" size O.D. Tubing</p> |    | <p><b>LD.R8.04</b></p> <p>90° TUBE BENDER 3-in-1</p> <p>For 1/4", 5/16", 3/8" size O.D. Tubing</p>                                                             |
|   | <p><b>LD.R8.05</b></p> <p>Programmable charging scale<br/>Kg/Lb/Oz<br/>weight capacity: 100kg</p>                |   | <p><b>LD.R8.06</b></p> <p>refrigerant charging scale<br/>Kg/Lb/Oz<br/>weight capacity: 70kg/100kg</p>                                                          |
|  | <p><b>LD.R8.07</b></p> <p>multiple flushing and leak test kit</p>                                                |  | <p><b>LD.R8.08</b></p> <p>hand-held Refractometer</p>                                                                                                          |
|  | <p><b>LD.R8.09</b></p> <p>INFRARED THERMOMETER</p> <p>Temperature range: -4° to 968°F/-20° to 520°C</p>          |  | <p><b>LD.R8.10</b></p> <p>INFRARED THERMOMETER</p> <p>Temperature range: -4° to 608°F/-20° to 320°C</p>                                                        |

## Leak Detector

|                                                                                     |                                                                                                                                                         |                                                                                      |                                                                                                                                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>LD.R9.01</b></p> <p>LED display<br/>suitable for all<br/>halogenated<br/>refrigerant,including<br/>R600a, R410a etc.</p> <p>Accuracy: 3g/year</p> |    | <p><b>LD.R9.02</b></p> <p>suitable for all<br/>halogenated<br/>refrigerant,including<br/>R600a, R410a etc.</p> <p>Accuracy: 5g/year</p> |
|    | <p><b>LD.R9.03</b></p> <p>For All halogenated<br/>refrigerants<br/>Ultimate sensitivity:<br/>3g/yr;</p>                                                 |    | <p><b>LD.R9.04</b></p> <p>nano-materialied<br/>Semi-conductor<br/>sensor</p>                                                            |
|   | <p><b>LD.R9.05</b></p> <p>For All halogenated<br/>refrigerants<br/>Ultimate sensitivity:<br/>5g/yr</p>                                                  |   | <p><b>LD.R9.06</b></p> <p>For All halogenated<br/>refrigerants<br/>Ultimate sensibility:<br/>6g/yr</p>                                  |
|  | <p><b>LD.R9.07</b></p> <p>leak detector kit</p>                                                                                                         |  | <p><b>LD.R9.08</b></p> <p>leak detector kit</p>                                                                                         |
|  | <p><b>LD.R9.09</b></p> <p>leak detector kit</p>                                                                                                         |  | <p><b>LD.R9.10</b></p> <p>leak detector kit</p>                                                                                         |

## Mixed Part



**LD.R10.01**  
Vibration Absorb



**LD.R10.02**  
Mapp Gas



**LD.R10.03**  
Aluminum Foil tape



**LD.R10.04**  
AC contactor



**LD.R10.05**  
Sensor

## Compressor



**LD.R11.01**  
compressor



**LD.R11.02**  
compressor



**LD.R11.03**  
compressor



**LD.R11.04**  
compressor



**LD.R11.05**  
compressor



**LD.R11.06**  
compressor



**LD.R11.07**  
compressor



**LD.R11.08**  
compressor



**LD.R11.09**  
compressor



**LD.R11.10**  
compressor

## Refrigerant & Cylinder

|                                                                                     |                                                       |                                                                                      |                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------|
|    | <p><b>R134A</b></p> <p>Refrigerant &amp; Cylinder</p> |    | <p><b>R125</b></p> <p>Refrigerant &amp; Cylinder</p>  |
|    | <p><b>R22</b></p> <p>Refrigerant &amp; Cylinder</p>   |    | <p><b>R410A</b></p> <p>Refrigerant &amp; Cylinder</p> |
|   | <p><b>R600A</b></p> <p>Refrigerant &amp; Cylinder</p> |   | <p><b>R401A</b></p> <p>Refrigerant &amp; Cylinder</p> |
|  | <p><b>R502</b></p> <p>Refrigerant &amp; Cylinder</p>  |  | <p><b>R404A</b></p> <p>Refrigerant &amp; Cylinder</p> |
|  | <p>refrigerant cylinder reusable</p>                  |  | <p>Refrigerant &amp; Cylinder</p>                     |

## Copper tube & fitting

|                                                                                     |                  |                                                                                      |                  |
|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|------------------|
|     | <b>LD.R13.01</b> |    | <b>LD.R13.02</b> |
|    | <b>LD.R13.03</b> |    | <b>LD.R13.04</b> |
|   | <b>LD.R13.05</b> |   | <b>LD.R13.06</b> |
|  | <b>LD.R13.07</b> |  | <b>LD.R13.08</b> |
|  | <b>LD.R13.09</b> |  | <b>LD.R13.10</b> |

## Mixed Parts

|                                                                                     |                                               |                                                                                      |                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------|
|    | <p><b>LD.R14.01</b></p> <p>access valve</p>   |    | <p><b>LD.R14.02</b></p> <p>hand valve</p>     |
|    | <p><b>LD.R14.03</b></p> <p>AC connector</p>   |    | <p><b>LD.R14.04</b></p> <p>AC valve</p>       |
|  | <p><b>LD.R14.05</b></p> <p>four-way valve</p> |   | <p><b>LD.R14.06</b></p> <p>four-way valve</p> |
|  | <p><b>LD.R14.07</b></p> <p>hand valve</p>     |  | <p><b>LD.R14.08</b></p> <p>sight glass</p>    |
|  | <p><b>LD.R14.09</b></p>                       |  | <p><b>LD.R14.10</b></p>                       |

## Brass Fitting

|                                                                                     |                  |                                                                                      |                  |
|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|------------------|
|    | <b>LD.R15.01</b> |    | <b>LD.R15.02</b> |
|    | <b>LD.R15.03</b> |    | <b>LD.R15.04</b> |
|  | <b>LD.R15.05</b> |  | <b>LD.R15.06</b> |
|  | <b>LD.R15.07</b> |  | <b>LD.R15.08</b> |
|  | <b>LD.R15.09</b> |  | <b>LD.R15.10</b> |

## Air Conditioner Motor

|                                                                                     |                                                                    |                                                                                      |                                                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|    | <p><b>LD.R16.01</b></p> <p>Split Air conditioner indoor motor</p>  |    | <p><b>LD.R16.02</b></p> <p>Split Air conditioner indoor motor</p>  |
|    | <p><b>LD.R16.03</b></p> <p>Split Air conditioner indoor motor</p>  |    | <p><b>LD.R16.04</b></p> <p>Split Air conditioner indoor motor</p>  |
|  | <p><b>LD.R16.05</b></p> <p>Split Air conditioner indoor motor</p>  |   | <p><b>LD.R16.06</b></p> <p>Split Air conditioner indoor motor</p>  |
|  | <p><b>LD.R16.07</b></p> <p>Split Air conditioner indoor motor</p>  |  | <p><b>LD.R16.08</b></p> <p>Split Air conditioner indoor motor</p>  |
|  | <p><b>LD.R16.09</b></p> <p>Split Air conditioner outdoor motor</p> |  | <p><b>LD.R16.10</b></p> <p>Split Air conditioner outdoor motor</p> |

## AC Motor



**LD.R17.01**

split air conditioner  
outdoor motor



**LD.R17.02**

split air conditioner  
outdoor motor



**LD.R17.03**

split air conditioner  
outdoor motor



**LD.R17.04**

split air conditioner  
outdoor motor



**LD.R17.05**

split air conditioner  
outdoor motor



**LD.R17.06**

split air conditioner  
outdoor motor



**LD.R17.07**

split air conditioner  
outdoor motor



**LD.R17.08**

split air conditioner  
outdoor motor



**LD.R17.09**

split air conditioner  
outdoor motor

## Remote Controller



**LD.R18.01**



**LD.R18.02**



**LD.R18.03**



**LD.R18.04**



**LD.R18.05**



**LD.R18.06**



**LD.R18.07**



**LD.R18.08**

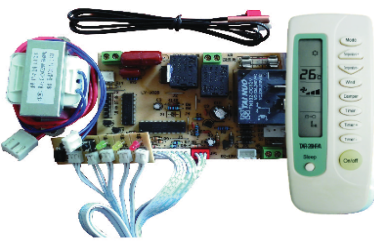
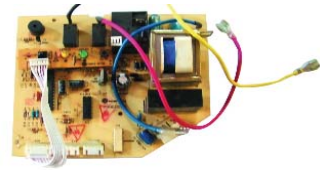


**LD.R18.09**



**LD.R18.10**

## Remote Controller

|                                                                                                                                                                                                                                                                                                                                                 |                         |                                                                                      |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|-------------------------|
|                                                                                                                                                                                                                                                                | <p><b>LD.R19.01</b></p> |    | <p><b>LD.R19.02</b></p> |
|                                                                                                                                                                                                                                                                | <p><b>LD.R19.03</b></p> |    | <p><b>LD.R19.04</b></p> |
|                                                                                                                                                                                                                                                               | <p><b>LD.R19.05</b></p> |   | <p><b>LD.R19.06</b></p> |
|                                                                                                                                                                                                                                                              | <p><b>LD.R19.07</b></p> |  | <p><b>LD.R19.08</b></p> |
|     |                         |                                                                                      | <p><b>LD.R19.09</b></p> |

## Vacuum Pump



| Models          |                  | VP115          |
|-----------------|------------------|----------------|
| Flow Rate       | 50Hz             | 1.5CFM         |
|                 |                  | 42L/MIN        |
|                 | 60Hz             | 1.8CFM         |
|                 |                  | 50L/MIN        |
| Ultimate Vacuum | Partial Pressure | 2Pa            |
|                 | Total pressure   | 150Microns     |
| Stage           |                  | 1              |
| Power           |                  | 1/4HP          |
| Inlet Port      |                  | 1/4"SAE        |
| Oil Capacity    |                  | 200ml          |
| Dimensions      |                  | 240 x93 x200mm |
| Weight          |                  | 4.0kg          |

## Vacuum Pump



| Models          |                  | VP2200D               |
|-----------------|------------------|-----------------------|
| Flow Rate       | 50Hz             | 10CFM                 |
|                 |                  | 283L/MIN              |
|                 | 60Hz             | 12CFM                 |
|                 |                  | 340L/MIN              |
| Ultimate Vacuum | Partial Pressure | $2 \times 10^{-1}$ Pa |
|                 | Total pressure   | 150Microns            |
| Stage           |                  | 2                     |
| Power           |                  | 1HP                   |
| Inlet Port      |                  | 1/4" & 3/8"SAE        |
| Oil Capacity    |                  | 600ml                 |
| Dimensions      |                  | 390 x140 x252mm       |
| Weight          |                  | 14.5kg                |

## Vacuum Pump



|                 |                  |                |
|-----------------|------------------|----------------|
| Models          |                  | VP115N         |
| Flow Rate       | 50Hz             | 1.5CFM         |
|                 |                  | 42L/MIN        |
|                 | 60Hz             | 1.8CFM         |
|                 |                  | 50L/MIN        |
| Ultimate Vacuum | Partial Pressure | 2Pa            |
|                 | Total pressure   | 150Microns     |
| Stage           |                  | 1              |
| Power           |                  | 1/4HP          |
| Inlet Port      |                  | 1/4"SAE        |
| Oil Capacity    |                  | 200ml          |
| Dimensions      |                  | 240 x93 x200mm |
| Weight          |                  | 4.0kg          |

## Vacuum Pump



| Models          |                  | VP2200ND                     |
|-----------------|------------------|------------------------------|
| Flow Rate       | 50Hz             | 10CFM                        |
|                 |                  | 283L/MIN                     |
|                 | 60Hz             | 12CFM                        |
|                 |                  | 340L/MIN                     |
| Ultimate Vacuum | Partial Pressure | $2 \times 10^{-1} \text{Pa}$ |
|                 | Total pressure   | 15Microns                    |
| Stage           |                  | 2                            |
| Power           |                  | 1HP                          |
| Inlet Port      |                  | 1/4" & 3/8"SAE               |
| Oil Capacity    |                  | 600ml                        |
| Dimensions      |                  | 390 x140 x252mm              |
| Weight          |                  | 14.5kg                       |

## Recovery Unit



|                           |           |                                                                                                  |            |            |
|---------------------------|-----------|--------------------------------------------------------------------------------------------------|------------|------------|
| Model                     |           | RECO250                                                                                          |            |            |
| Refrigerants              |           | Cat. III :R-12,R-134a,R-401C,R-406A,R-500                                                        |            |            |
|                           |           | Cat. IV :R-22,R-401A,R-401B,R-402B,R-407C, R-407D,R-408A,R-409A,R-411A,R-411B,R-412A,R-502,R-509 |            |            |
|                           |           | Cat. V:R-402A,R-404A,R-407A,R-407B,R-410A, R-507                                                 |            |            |
| Power                     |           | 110-127V/60Hz 220-240V 50/60Hz 110-220V 50/60Hz                                                  |            |            |
| Motor                     |           | 1/2HP AC;Capacitor start                                                                         |            |            |
| Max.Current               |           | 4A@50Hz 8A@60Hz                                                                                  |            |            |
| Compressor                |           | Oil-less;air cooled;piston style                                                                 |            |            |
| Refrigerant Recovery Rate |           | Cat. III                                                                                         | Cat. IV    | Cat. V     |
|                           | Vapor     | 0.23kg/min                                                                                       | 0.25kg/min | 0.26kg/min |
|                           | Liquid    | 1.57kg/min                                                                                       | 1.81kg/min | 1.85kg/min |
|                           | Push/Pull | 4.64kg/min                                                                                       | 5.57kg/min | 6.22kg/min |
| High Pressure Shut-off    |           | 38bar/550psi                                                                                     |            |            |
| Low Pressure Shut-off     |           | Optional                                                                                         |            |            |
| 80%O.F.P.Shut-off kit     |           | Optional                                                                                         |            |            |
| Operating Temp.           |           | 0 °C -40 °C                                                                                      |            |            |
| Dimensions                |           | 485mm ( L)x220mm(W)x365mm(H)                                                                     |            |            |
| Net Weight                |           | 14kg                                                                                             |            |            |

## Fan Motor

|                                                                                     |                                                       |                                                                                      |                                              |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------|
|    | <b>LD.R25.01</b><br>110V 50/60HZ 0.16A<br>8W          |    | <b>LD.R25.02</b><br>220V 50/60HZ 0.06A<br>7W |
|    | <b>LD.R25.03</b><br>110/220V 50/60HZ<br>0.42/0.2A 27W |    | <b>LD.R25.04</b><br>220V 50/60HZ 0.06A<br>7W |
|  | <b>LD.R25.05</b>                                      |  | <b>LD.R25.06</b>                             |
|  | <b>LD.R25.07</b>                                      |  | <b>LD.R25.08</b>                             |
|  | <b>LD.R25.09</b>                                      |  | <b>LD.R25.10</b>                             |

## Capacitor



**LD.R26.01**



**LD.R26.02**



**LD.R26.03**



**LD.R26.04**



**LD.R26.05**

## Filter Drier



**LD.R27.01**



**LD.R27.02**



**LD.R27.03**



**LD.R27.04**



**LD.R27.05**



**LD.R27.06**



**LD.R27.07**



**LD.R27.08**



**LD.R27.09**



**LD.R27.10**

## Filter Drier

|                                                                                     |                  |                                                                                      |                  |
|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|------------------|
|    | <b>LD.R28.01</b> |    | <b>LD.R28.02</b> |
|    | <b>LD.R28.03</b> |    | <b>LD.R28.04</b> |
|    | <b>LD.R28.05</b> |  | <b>LD.R28.06</b> |
|  | <b>LD.R28.07</b> |  | <b>LD.R28.08</b> |
|  | <b>LD.R28.09</b> |  | <b>LD.R28.10</b> |

## Relay, Protector

|                                                                                     |                  |                                                                                      |                  |
|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|------------------|
|    | <b>LD.R29.01</b> |    | <b>LD.R29.02</b> |
|    | <b>LD.R29.03</b> |    | <b>LD.R29.04</b> |
|  | <b>LD.R29.05</b> |  | <b>LD.R29.06</b> |
|  | <b>LD.R29.07</b> |  | <b>LD.R29.08</b> |
|  | <b>LD.R29.09</b> |  | <b>LD.R29.10</b> |

## Capillary Thermostat

|                                                                                     |                                                                                                  |                                                                                      |                                                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|    | <p><b>LD.R30.01</b></p> <p>cold off: 0 °C<br/>warm off: 75 °C</p>                                |    | <p><b>LD.R30.02</b></p> <p>cold on/off:<br/>15 °C / 18 °C<br/>warm on/off:<br/>27 °C / 30 °C</p>       |
|    | <p><b>LD.R30.03</b></p> <p>cold on/off:<br/>20 °C / 17 °C<br/>warm on/off:<br/>28 °C / 26 °C</p> |    | <p><b>LD.R30.04</b></p> <p>cold on/off:<br/>7.9 °C / 4.1 °C<br/>warm on/off:<br/>16.3 °C / 13.4 °C</p> |
|   | <p><b>LD.R30.05</b></p> <p>cold on/off:<br/>5 °C / 1.5 °C<br/>warm on: 12.5</p>                  |  | <p><b>LD.R30.06</b></p> <p>cold on/off:<br/>-21 °C / -30 °C<br/>warm on/off:<br/>-11 °C / -20 °C</p>   |
|  | <p><b>LD.R30.07</b></p> <p>cold off: 0 °C<br/>warm off: 50 °C</p>                                |  | <p><b>LD.R30.08</b></p> <p>cold on/off:<br/>-35 °C / 4 °C<br/>warm on/off:<br/>35 °C / 4 °C</p>        |
|  | <p><b>LD.R30.09</b></p> <p>cold off: -35 °C<br/>warm off: 35 °C</p>                              |  | <p><b>LD.R30.10</b></p> <p>cold off: -35 °C<br/>warm off: 35 °C</p>                                    |

## Defrost Thermostat

|                                                                                     |                                                                                           |                                                                                      |                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|    | <p><b>LD. R31. 01</b></p> <p>Defrost timer</p>                                            |    | <p><b>LD.R31.02</b></p> <p>Defrost heater</p>                                             |
|    | <p><b>LD.R31.03</b></p> <p>OPEN:60F<br/>CLOSE:40F<br/>Different temperature available</p> |    | <p><b>LD.R31.04</b></p> <p>OPEN:80F<br/>CLOSE:15F<br/>Different temperature available</p> |
|   | <p><b>LD.R31.05</b></p> <p>OPEN:13 °C<br/>CLOSE:-4 °C</p>                                 |   | <p><b>LD.R31.06</b></p> <p>OPEN:55F<br/>CLOSE:35F</p>                                     |
|  | <p><b>LD.R31.07</b></p> <p>OPEN:45F<br/>CLOSE:25F<br/>With Temperature fuse:158F</p>      |  | <p><b>LD.R31.08</b></p> <p>OPEN:47F<br/>CLOSE:15F</p>                                     |
|  | <p><b>LD.R31.09</b></p> <p>OPEN:8 °C<br/>CLOSE:-4 °C<br/>With Temperature fuse:70 °C</p>  |  | <p><b>LD.R31.10</b></p> <p>OPEN:13 °C<br/>CLOSE:0°C</p>                                   |

## Thermometer

|                                                                                     |                                                                     |                                                                                      |                                                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>LD.R32.01</b></p> <p>Measuring range:<br/>-50 °C -+80 °C</p>  |    | <p><b>LD.R32.02</b></p> <p>Measuring range:<br/>-40 °C -+120 °C</p>                                                                           |
|    | <p><b>LD.R32.03</b></p> <p>Measuring range:<br/>-50 °C -+300 °C</p> |    | <p><b>LD.R32.04</b></p> <p>Measuring range:<br/>-50 °C -+300 °C</p>                                                                           |
|  | <p><b>LD.R32.05</b></p> <p>Measuring range:<br/>-50 °C -+70 °C</p>  |  | <p><b>LD.R32.06</b></p> <p>Measuring range:<br/>-50 °C -+150 °C</p>                                                                           |
|  | <p><b>LD.R32.07</b></p> <p>Measuring range:<br/>-50 °C -+110 °C</p> |  | <p><b>LD.R32.08</b></p> <p>Measuring range:<br/>indoor temp .: -30 °C -+50 °C<br/>Outdoor temp.: -50 °C -+70 °C<br/>Humidity:20%--99%(RH)</p> |
|  | <p><b>LD.R32.09</b></p> <p>data logger</p>                          |  | <p><b>LD.R32.10</b></p> <p>data logger</p>                                                                                                    |