

# Donper, Refrigeration, Compressor, r134A, freezer, LU140CY1, CT6220CE, AK120CY1, 1/3Hp-

written by Lilianne | 12 December 2021  
Product Description

## Donper Refrigeration Compressor r134A

– Famous and Popular Compressors

– D series hermetic compressors for R134A mainly are designed for applications in water dispenser, small freezer. The main characteristics of D series are light weight, compact size, high reliability, low noise and low vibration.

– R134A S series hermetic compressor mainly are designed for applications in water dispenser, small refrigerator, small freezer. The main characteristics of S series are light weight and compact size, reliability, low noise and high low vibration. By the optimal design of the suspension system and the continuous curvature design of its housing, low operating vibration and sound levels have been achieved.

| R600a Series  |              |               |              |       |         |            |              |                  |         |     |      |
|---------------|--------------|---------------|--------------|-------|---------|------------|--------------|------------------|---------|-----|------|
| Refrige-rant  | Applica-tion | Model         | Series       | Power | Cooling | Motor type | Power supply | Cooling capacity | COP W/W |     |      |
| *ASHRAE -23.3 | *CECOMAF -25 | *ASHRAE -23.3 | *CECOMAF -25 |       |         |            |              |                  |         |     |      |
| R600a         | LBP          | W40CY         | IN           | 1/14  | S       | hatch      | 220/50       | 55               | 43      | 0.9 | 0.75 |
| R600a         | LBP          | S53CY         | S            | 1/10  | S       | hatch      | 220/50       | 75               | 57      | 1.2 | 0.95 |
| R600a         | LBP          | S65CY         | S            | 1/8   | S       | hatch      | 220/50       | 95               | 72      | 1.2 | 0.95 |
| R600a         | LBP          | S75CY         | S            | 1/7   | S       | hatch      | 220/50       | 118              | 86      | 1.2 | 0.95 |
| R600a         | LBP          | SK53CY        | S            | 1/10  | S       | RSCR       | 220/50       | 75               | 57      | 1.3 | 1.03 |

|       |     |         |     |        |   |       |        |     |     |      |      |
|-------|-----|---------|-----|--------|---|-------|--------|-----|-----|------|------|
| R600a | LBP | L76CY   | L   | 1/6    | S | hatch | 220/50 | 132 | 100 | 1.36 | 1.07 |
| R600a | LBP | L88CY   | L   | 1/5    | S | hatch | 220/50 | 153 | 116 | 1.36 | 1.07 |
| R600a | LBP | QD60AY  | NOT | 1/7    | S | hatch | 100/60 | 125 | 95  | 1.35 | 1.07 |
| R600a | LBP | QD76Y   | NOT | 1/6    | S | hatch | 220/50 | 132 | 100 | 1.36 | 1.07 |
| R600a | LBP | QD88Y   | NOT | 1/5    | S | hatch | 220/50 | 153 | 116 | 1.36 | 1.07 |
| R600a | LBP | QD100Y  | NOT | 1/5 +  | S | hatch | 220/50 | 170 | 129 | 1.38 | 1.09 |
| R600a | LBP | QD123Y  | NOT | 1/4    | S | hatch | 220/50 | 187 | 142 | 1.38 | 1.09 |
| R600a | LBP | LK88CY  | L   | 1/5 +  | S | RSCR  | 220/50 | 160 | 122 | 1.58 | 1.25 |
| R600a | LBP | QD100YG | NOT | 1/4 +  | S | RSCR  | 220/50 | 180 | 137 | 1.58 | 1.25 |
| R600a | LBP | QD135YG | NOT | 1/4 +  | S | RSCR  | 220/50 | 215 | 163 | 1.58 | 1.23 |
| R600a | LBP | QD153YG | NOT | 1/4 +  | S | RSCR  | 220/50 | 246 | 184 | 1.58 | 1.23 |
| R600a | LBP | LU68CY  | L   | 1/7    | S | RSCR  | 220/50 | 120 | 91  | 1.56 | 1.22 |
| R600a | LBP | QD68YU  | NOT | 1/7    | S | RSCR  | 220/50 | 120 | 91  | 1.56 | 1.22 |
| R600a | LBP | QD76YU  | NOT | 1/6    | S | RSCR  | 220/50 | 140 | 106 | 1.65 | 1.3  |
| R600a | LBP | QD88YU  | NOT | 1/5    | S | RSCR  | 220/50 | 160 | 122 | 1.68 | 1.33 |
| R600a | LBP | QD100YU | NOT | 1/4    | S | RSCR  | 220/50 | 180 | 137 | 1.7  | 1.34 |
| R600a | LBP | QD123YU | NOT | 1/4    | S | RSCR  | 220/50 | 196 | 150 | 1.68 | 1.3  |
| R600a | LBP | QD135YU | NOT | 1/4 +  | S | RSCR  | 220/50 | 220 | 168 | 1.68 | 1.3  |
| R600a | LBP | QD153YU | NOT | 1/4 +  | S | RSCR  | 220/50 | 248 | 189 | 1.65 | 1.28 |
| R600a | LBP | QD68YZ  | NOT | 1/6    | S | RSCR  | 220/50 | 120 | 91  | 1.8  | 1.42 |
| R600a | LBP | QD76YZ  | NOT | 1/6    | S | RSCR  | 220/50 | 140 | 106 | 1.8  | 1.42 |
| R600a | LBP | QD88YZ  | NOT | 1/5 +  | S | RSCR  | 220/50 | 165 | 125 | 1.8  | 1.42 |
| R600a | LBP | QD100YZ | NOT | 1/4 +  | S | RSCR  | 220/50 | 185 | 141 | 1.8  | 1.42 |
| R600a | LBP | QD135YZ | NOT | 1 / 3- | S | RSCR  | 220/50 | 220 | 168 | 1.8  | 1.42 |
| R600a | LBP | QD60YT  | NOT | 1/8    | S | ESCR  | 220/50 | 106 | 81  | 1.88 | 1.48 |
| R600a | LBP | QD68YT  | NOT | 1/7    | S | ESCR  | 220/50 | 126 | 96  | 1.9  | 1.5  |
| R600a | LBP | QD76YT  | NOT | 1/6    | S | ESCR  | 220/50 | 146 | 111 | 1.94 | 1.53 |
| R600a | LBP | LU68PY  | L   | 1/7    | S | BLDC  | 220/50 | 120 | 91  | 1.65 | 1.3  |
| R600a | LBP | LU68PY  | L   | 1/5    | S | BLDC  | 220/50 | 160 | 122 | 1.65 | 1.3  |

|                         |                         |  |                                |  |                         |  |
|-------------------------|-------------------------|--|--------------------------------|--|-------------------------|--|
| <b>Model no</b>         | <b>L140CY1</b>          |  | <b>Refrigerant</b>             |  | <b>R600a</b>            |  |
| <b>Cooling capacity</b> | <b>230W</b>             |  | <b>Input power</b>             |  | <b>170W</b>             |  |
| <b>Hose Power</b>       | <b>1/3- HP</b>          |  | <b>Temperature application</b> |  | <b>LBP</b>              |  |
| <b>Displacement</b>     | <b>14cm<sup>3</sup></b> |  | <b>Working Current</b>         |  | <b>1.3A</b>             |  |
| <b>Voltage</b>          | <b>220V~240V/50Hz</b>   |  | <b>COP</b>                     |  | <b>1.35W/W</b>          |  |
| <b>Motor type</b>       | <b>RSIR</b>             |  | <b>Cylinder capacity</b>       |  | <b>14cm<sup>3</sup></b> |  |
| <b>Cooling type</b>     | <b>Need a fan motor</b> |  | <b>Weight</b>                  |  | <b>8.6±0.4kg</b>        |  |



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#### Quick Details

|                         |  |                               |   |
|-------------------------|--|-------------------------------|---|
| Condition:              | New  | Applicable Industries:        | Hotels, Restaurant, Home Use, Food Shop, Food & Beverage... |
| Showroom Location:      | None   | Video outgoing-inspection:    | Not Available   |
| Machinery Test Report:  | Not Available  | Marketing Type:               | Ordinary Product  |
| Brand Name:             | Dongbei/OEM  | Place of Origin:              | Hubei, China  |
| Application:            | Refrigeration Parts                                      | Type:                         | Refrigeration Compressor                                    |
| Product name:           | R600a 1/3 hp Refrigeration Commercial Freezer Compressor | Warranty:                     | 1 year  |
| Voltage:                | 220V~240V/50HZ   | Refrigerant:                  | R600a   |
| Cooling capacity:       | 230W   | Horse Power:                  | 1/3   |
| Cylinder capacity:      | 14 Cubic Centimetre                                      | Input power:                  | 170W  |
| Motor Type:             | RSIR   | Working current:              | 1.3A  |
| After Warranty Service: | Online support   | Weight:                       | 8.6±0.4kg   |
| Certification:          | CCC/VDE  | Local Service Location:       | None  |
|                         |  | After-sales Service Provided: | Online support  |



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|                  |                   |
|------------------|-------------------|
| COOLING CAPACITY | 230W              |
| REFRIGERANTS     | R600a             |
| INPUT POWER      | 170W              |
| HORSE POWER      | 1/3-              |
| DISPLACEMENT     | 14cm <sup>3</sup> |



|                  |                   |                         |                   |
|------------------|-------------------|-------------------------|-------------------|
| Model no         | L140CY1           | Refrigerant             | R600a             |
| Cooling capacity | 230W              | Input power             | 170W              |
| Horse Power      | 1/3- HP           | Temperature application | LBP               |
| Displacement     | 14cm <sup>3</sup> | Working Current         | 1.3A              |
| Voltage          | 220V~240V/50Hz    | COP                     | 1.35W/W           |
| Motor type       | RSIR              | Cylinder capacity       | 14cm <sup>3</sup> |
| Cooling type     | Need a fan motor  | Weight                  | 8.6±0.4kg         |

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