

# Helpman LEX 14-7

## Specifications

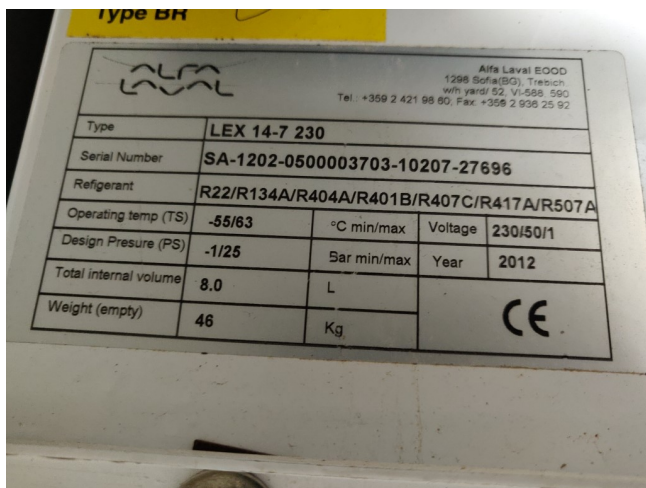
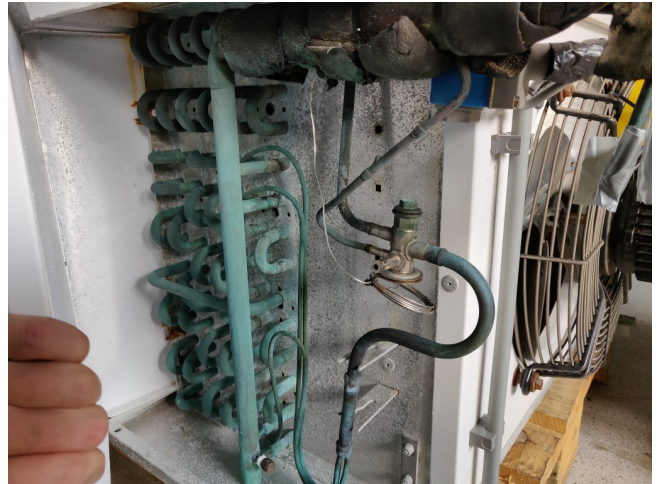
|                     |                                         |
|---------------------|-----------------------------------------|
| Merk                | Helpman                                 |
| Type                | LEX 14-7                                |
| Capaciteit kW       | 6                                       |
| Koudemiddel         | Freon                                   |
| Aantal Ventilatoren | 1                                       |
| Lamel afstand in mm | 7                                       |
| Ontdooiing          | None                                    |
| m <sup>3</sup> /h   | 3.540                                   |
| Afmetingen          | 970x692x710mm                           |
| Opmerkingen         | 6kW at 8K // based on R404A // YOB 2012 |
| Volume              | 8 dm <sup>3</sup>                       |
| Gewicht             | 46kg                                    |
| Stock               | 1                                       |



## Description

### Used Helpman LEX 14-7

Gebrauchtes helpman LEX 14-7 · Größe 970x692x710mm (LxBxH) · Gewicht: 46Kg · Rippenraum: 7 · m<sup>3</sup> / h: 3.540 · Lüfter: 1 · Hertz Lüfter: 50Hz · Kältemittel R404A · \*\* Alle Komponenten dieses gebrauchten Verdampfers werden Auf einwandfreien, leckfreien Zustand (Elektromotoren), Spulen, Lager getestet. Wir führen eine industrielle Reinigung durch und Rostflecken werden abgedeckt. Wir können auch Ihre Sendung arrangieren....



## Blow Through Unit Coolers 1.5 - 40 kW

| Dimensions / Connections |               |      |     |     |     |     |      |                |     |               |                |              |      |
|--------------------------|---------------|------|-----|-----|-----|-----|------|----------------|-----|---------------|----------------|--------------|------|
| Cooler type              | Dimensions mm |      |     |     |     |     |      | Shipp. vol.    |     | Cooler weight |                | Coil surface |      |
|                          | A             | B    | D   | F   | G   | H   | K    | m <sup>3</sup> | kg  | kg            | m <sup>2</sup> | 4 mm         | 7 mm |
| LEX 2-*                  | 598           | 412  | 485 | 385 | -   | 360 | 380  | 0.3            | 18  | 17            | 7.7            | 4.7          | 2.1  |
| LEX 4-*                  | 698           | 472  | 495 | 395 | -   | 430 | 440  | 0.3            | 22  | 21            | 11.2           | 6.7          | 3.0  |
| LEX 6-*                  | 698           | 472  | 605 | 503 | -   | 430 | 440  | 0.3            | 27  | 25            | 16.8           | 10.1         | 4.0  |
| LEX 8-*                  | 798           | 602  | 640 | 503 | -   | 505 | 570  | 0.6            | 38  | 35            | 26.1           | 15.7         | 6.0  |
| LEX 10-*                 | 1105          | 820  | 495 | 395 | -   | 430 | 880  | 0.5            | 38  | 32            | 22.4           | 13.5         | 6.0  |
| LEX 12-*                 | 1105          | 820  | 605 | 503 | -   | 430 | 880  | 0.5            | 42  | 38            | 33.6           | 20.2         | 6.8  |
| LEX 14-*                 | 1105          | 820  | 715 | 520 | 35  | 675 | 750  | 0.7            | 50  | 46            | 35.2           | 21.9         | 8.0  |
| LEX 16-*                 | 1110          | 792  | 750 | 520 | 35  | 675 | 750  | 0.7            | 50  | 46            | 35.2           | 21.9         | 8.0  |
| LEX 18-*                 | 1480          | 1180 | 590 | 520 | 35  | 520 | 1140 | 1.0            | 71  | 65            | 52.2           | 31.4         | 11.6 |
| LEX 20-*                 | 1540          | 1360 | 710 | 520 | 35  | 600 | 1320 | 1.3            | 95  | 88            | 70.5           | 42.4         | 15.5 |
| LEX 22-*                 | 1880          | 1550 | 750 | 520 | 35  | 675 | 1520 | 1.7            | 120 | 111           | 92.8           | 55.9         | 20.4 |
| LEX 24-*                 | 1880          | 1550 | 950 | 520 | 110 | 825 | 1520 | 2.2            | 139 | 128           | 116.0          | 69.8         | 25.2 |
| LEX 26-*                 | 2650          | 2328 | 750 | 520 | 35  | 675 | 2290 | 2.3            | 172 | 159           | 139.8          | 84.2         | 30.9 |
| LEX 28-*                 | 2650          | 2328 | 950 | 520 | 110 | 825 | 2290 | 3.0            | 202 | 186           | 174.7          | 105.2        | 39.9 |
| LEX 30-*                 | 3450          | 3098 | 950 | 520 | 110 | 825 | 3050 | 3.9            | 278 | 256           | 232.7          | 140.1        | 51.1 |

## Fans / Electric Defrost

| Cooler type | number | dia- meter | air volume |       | air <sup>2</sup> throw | sound <sup>3</sup> level dB(A) | fan power nominal / absorbed <sup>4</sup> |         | Electric defrost number of elements |          | defrost power <sup>5</sup> reduced |         |
|-------------|--------|------------|------------|-------|------------------------|--------------------------------|-------------------------------------------|---------|-------------------------------------|----------|------------------------------------|---------|
|             |        |            | 4 mm       | 7 mm  |                        |                                | 220V                                      | 380V    | coil                                | driftway | kW                                 | reduced |
| LEX 2-*     | 1      | 254        | 1020       | 1080  | 10                     | 48                             | 30/80                                     | 30/85   | 1                                   | 1        | 1.28                               | -       |
| LEX 4-*     | 1      | 305        | 1480       | 1570  | 12                     | 50                             | 30/100                                    | 30/100  | 1                                   | 1        | 1.76                               | -       |
| LEX 6-*     | 1      | 305        | 1420       | 1590  | 12                     | 50                             | 30/100                                    | 30/100  | 2                                   | 1        | 2.64                               | -       |
| LEX 8-*     | 1      | 356        | 2490       | 2620  | 15                     | 53                             | 70/150                                    | 80/145  | 2                                   | 1        | 3.0                                | -       |
| LEX 10-*    | 2      | 305        | 2070       | 2130  | 15                     | 53                             | 30/100                                    | 30/100  | 1                                   | 1        | 3.2                                | -       |
| LEX 12-*    | 2      | 356        | 2690       | 2810  | 15                     | 53                             | 30/100                                    | 30/100  | 2                                   | 1        | 4.8                                | -       |
| LEX 14-*    | 4      | 406        | 3240       | 3540  | 15                     | 57                             | 70/230                                    | 80/215  | 5                                   | 1        | 4.9                                | 3.4     |
| LEX 16-*    | 1      | 457        | 4430       | 4650  | 20                     | 60                             | 220/260                                   | 250/240 | 5                                   | 1        | 6.0                                | 4.5     |
| LEX 18-*    | 2      | 356        | 4980       | 5240  | 20                     | 56                             | 70/160                                    | 80/145  | 2                                   | 1        | 5.4                                | -       |
| LEX 20-*    | 2      | 406        | 6730       | 7080  | 20                     | 60                             | 70/230                                    | 80/215  | 5                                   | 1        | 8.4                                | 6.3     |
| LEX 22-*    | 2      | 457        | 8600       | 9200  | 20                     | 63                             | 220/260                                   | 250/240 | 5                                   | 1        | 13.2                               | 9.9     |
| LEX 24-*    | 2      | 508        | 11000      | 11600 | 20                     | 66                             | 220/260                                   | 250/240 | 5                                   | 1        | 13.2                               | 9.9     |
| LEX 26-*    | 3      | 457        | 13000      | 14000 | 20                     | 65                             | 220/260                                   | 250/240 | 5                                   | 1        | 19.2                               | 14.4    |
| LEX 28-*    | 3      | 508        | 16600      | 17500 | 20                     | 68                             | 220/260                                   | 250/240 | 5                                   | 1        | 19.2                               | 14.4    |
| LEX 30-*    | 4      | 508        | 22200      | 23400 | 20                     | 69                             | 220/260                                   | 250/240 | 10                                  | 2        | 24.0                               | 18.0    |

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**Blow Through Unit Coolers 1.5 - 40 kW** **LEX**



**Nominal Capacities (kW)**

| Cooler type             | R 22 frosted DT <sub>1</sub> | R 134a frosted DT <sub>1</sub> | R 404A frosted DT <sub>1</sub> | For reference only dry conditions DT <sub>1</sub> |        |        |
|-------------------------|------------------------------|--------------------------------|--------------------------------|---------------------------------------------------|--------|--------|
|                         |                              |                                |                                | R 22                                              | R 134a | R 404A |
| <b>Fin spacing 4 mm</b> |                              |                                |                                |                                                   |        |        |
| LEX 2-4                 | 1.5                          | 1.3                            | 1.5                            | 1.3                                               | 1.1    | 1.3    |
| LEX 4-4                 | 1.9                          | 1.5                            | 1.8                            | 1.7                                               | 1.3    | 1.6    |
| LEX 6-4                 | 2.8                          | 2.4                            | 2.8                            | 2.4                                               | 2.1    | 2.5    |
| LEX 8-4                 | 4.7                          | 4.1                            | 4.7                            | 4.1                                               | 3.5    | 4.1    |
| LEX 10-4                | 4.7                          | 4.4                            | 4.8                            | 4.1                                               | 3.8    | 4.2    |
| LEX 12-4                | 5.9                          | 5.6                            | 6.2                            | 5.1                                               | 4.9    | 5.4    |
| LEX 14-4                | 6.5                          | 6.4                            | 7.1                            | 5.7                                               | 5.6    | 6.2    |
| LEX 16-4                | 8.7                          | 8.4                            | 9.3                            | 7.5                                               | 7.3    | 8.1    |
| LEX 18-4                | 9.7                          | 8.7                            | 9.9                            | 8.5                                               | 7.6    | 8.6    |
| LEX 20-4                | 12.8                         | 10.8                           | 12.7                           | 11.2                                              | 9.4    | 11.0   |
| LEX 22-4                | 16.1                         | 13.0                           | 15.4                           | 14.0                                              | 11.3   | 13.4   |
| LEX 24-4                | 20.0                         | 16.1                           | 19.2                           | 17.4                                              | 14.0   | 16.7   |
| LEX 26-4                | 25.0                         | 23.0                           | 26.0                           | 22.6                                              | 20.0   | 22.6   |
| LEX 28-4                | 32.8                         | 29.0                           | 33.2                           | 28.5                                              | 25.2   | 28.9   |
| LEX 30-4                | 40.3                         | 35.5                           | 38.5                           | 35.0                                              | 28.3   | 33.4   |
| <b>Fin spacing 7 mm</b> |                              |                                |                                |                                                   |        |        |
| LEX 2-7                 | 1.3                          | 1.2                            | 1.3                            | 1.1                                               | 1.0    | 1.2    |
| LEX 4-7                 | 1.7                          | 1.4                            | 1.7                            | 1.5                                               | 1.2    | 1.4    |
| LEX 6-7                 | 2.5                          | 2.2                            | 2.5                            | 2.2                                               | 1.9    | 2.2    |
| LEX 8-7                 | 4.1                          | 3.7                            | 4.3                            | 3.8                                               | 3.3    | 3.7    |
| LEX 10-7                | 3.7                          | 3.6                            | 4.0                            | 3.2                                               | 3.2    | 3.5    |
| LEX 12-7                | 5.0                          | 4.9                            | 5.3                            | 4.4                                               | 4.3    | 4.6    |
| LEX 14-7                | 5.5                          | 5.5                            | 6.0                            | 4.6                                               | 4.4    | 5.2    |
| LEX 16-7                | 7.4                          | 7.3                            | 8.0                            | 6.4                                               | 6.3    | 7.0    |
| LEX 18-7                | 8.5                          | 7.8                            | 8.8                            | 7.4                                               | 6.8    | 7.6    |
| LEX 20-7                | 11.4                         | 10.0                           | 11.4                           | 9.8                                               | 8.7    | 9.9    |
| LEX 22-7                | 14.5                         | 12.4                           | 14.3                           | 12.6                                              | 10.7   | 12.4   |
| LEX 24-7                | 18.1                         | 15.6                           | 17.8                           | 15.7                                              | 13.5   | 15.5   |
| LEX 26-7                | 22.8                         | 21.2                           | 23.4                           | 19.8                                              | 16.4   | 20.4   |
| LEX 28-7                | 28.5                         | 26.5                           | 29.3                           | 24.8                                              | 23.0   | 25.3   |
| LEX 30-7                | 36.5                         | 31.0                           | 35.9                           | 31.7                                              | 27.0   | 31.2   |

**Correction Factors R 404A / DT<sub>1</sub>**

| DT <sub>1</sub> | Evaporating Temperature (t <sub>0</sub> ) °C |
|-----------------|----------------------------------------------|
| K               | +5 0 -5 -8 -10 -15 -20 -25 -30 -35           |

**Capacities**

**Frosted Conditions**

- Lightly frosted coil
- Relative humidity 85 %
- Suction gas superheating 62 % of the temperature difference (DT<sub>1</sub>), with a minimum of 3.5 K
- Refrigerant liquid temperature 30 °C (for t<sub>0</sub> = -20 °C and below liquid temperature)