



# REFRIGERATION SCREW COMPRESSORS

Screw compressors **DEN-R** are created for highly effective compression of any types of coolants and gases, including explosive. A series allows to capture the broadest range of temperatures and capacities, and also provides an optimum ratio of productivity and power consumption.

With a rated resource of work not less than 20 years compressors are one of the most reliable and efficient tools on the organization of system of cold supply or compression of process gases at the industrial enterprises.



## Technical parameters

| Parameter              |     | UOM | Unit size |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-----|-----|-----------|------|------|------|------|------|------|------|------|------|------|------|
|                        |     | -   | 155S      | 155M | 155L | 200S | 200M | 200L | 250S | 250M | 250L | 320S | 320M | 320L |
| Refrigerating capacity | -40 | kW  | 72        | 90   | 109  | 146  | 185  | 225  | 298  | 376  | 450  | 608  | 757  | 906  |
|                        | -30 |     | 123       | 154  | 185  | 246  | 311  | 376  | 495  | 622  | 743  | 1003 | 1247 | 1493 |
|                        | -20 |     | 194       | 242  | 291  | 386  | 487  | 587  | 769  | 965  | 1152 | 1552 | 1932 | 2311 |
|                        | -15 |     | 214       | 268  | 322  | 426  | 539  | 651  | 849  | 1067 | 1276 | 1711 | 2136 | 2560 |
|                        | -10 |     | 265       | 332  | 399  | 527  | 666  | 805  | 1048 | 1317 | 1574 | 2110 | 2634 | 3157 |
|                        | -5  |     | 328       | 411  | 493  | 650  | 822  | 993  | 1292 | 1624 | 1940 | 2600 | 3245 | 3889 |
| Shaft power            | -40 | kW  | 55        | 67   | 79   | 104  | 128  | 153  | 196  | 246  | 292  | 393  | 488  | 584  |
|                        | -30 |     | 61        | 75   | 89   | 117  | 144  | 172  | 221  | 276  | 329  | 441  | 549  | 657  |
|                        | -20 |     | 70        | 86   | 102  | 134  | 165  | 197  | 254  | 317  | 378  | 507  | 631  | 756  |
|                        | -15 |     | 70        | 85   | 101  | 133  | 163  | 195  | 250  | 314  | 374  | 500  | 624  | 747  |
|                        | -10 |     | 73        | 90   | 106  | 140  | 172  | 205  | 263  | 329  | 393  | 525  | 655  | 785  |
|                        | -5  |     | 75        | 91   | 108  | 143  | 175  | 209  | 268  | 336  | 401  | 536  | 668  | 801  |
| Pressure max.          |     | MPa | 2.8       |      |      |      |      |      |      |      |      |      |      |      |
| Coolant                |     |     | ammonia   |      |      |      |      |      |      |      |      |      |      |      |
| Condensing temperature |     | °C  | +35       |      |      |      |      |      |      |      |      |      |      |      |
| Shaft speed            |     | rpm | 2950      |      |      |      |      |      |      |      |      |      |      |      |
| frequency current      |     | Hz  | 50        |      |      |      |      |      |      |      |      |      |      |      |

## Designation interpretation

### DEN-200M128R

**DEN** – compressor unit mark;

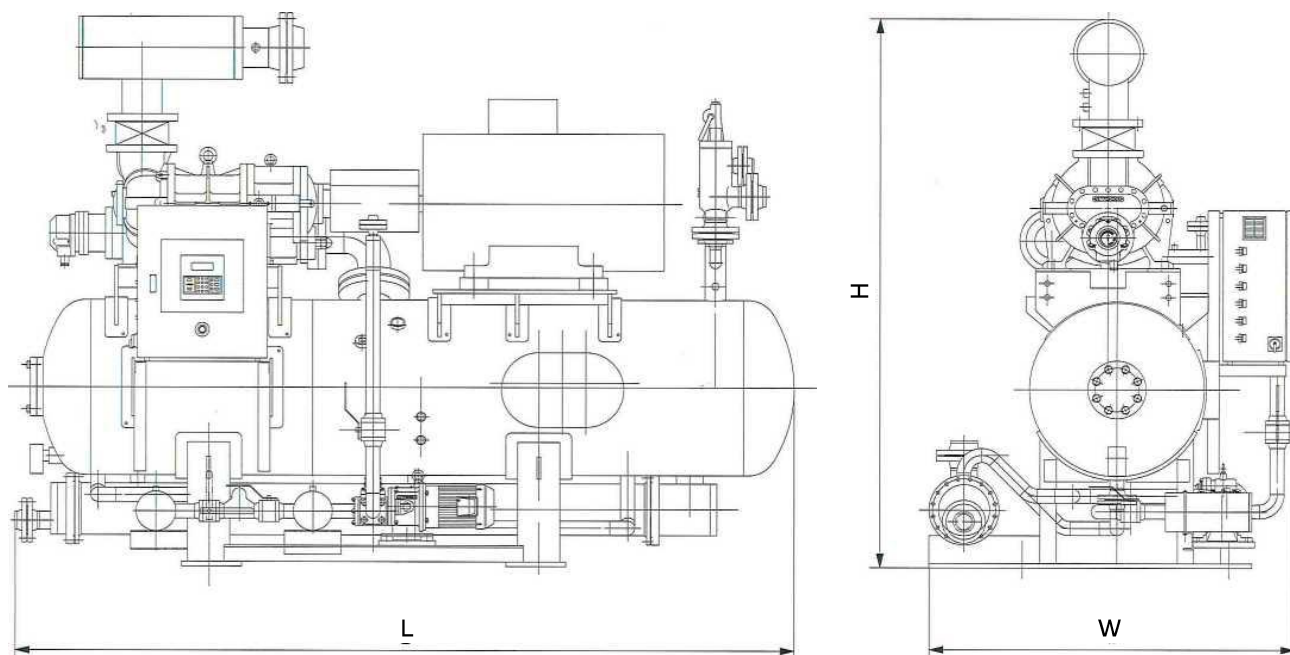
**200** – unit size;

**M** – enclosure type of compressor (**S** – small, **M** – medium, **L** – large);

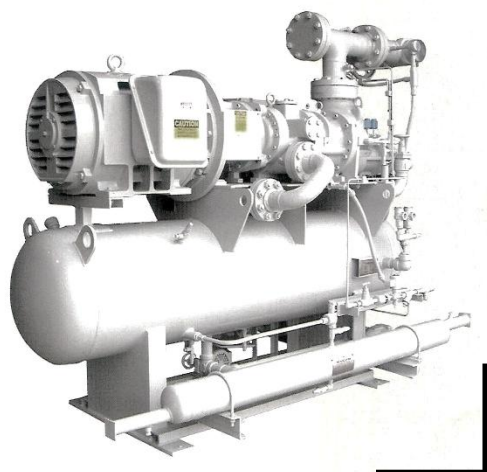
**128** – shaft power, kW;

**R** – refrigeration type.

## Dimensions and weight



| Unit size | L, mm | W, mm | H, mm | Weight, kg | Oil, l |
|-----------|-------|-------|-------|------------|--------|
| 155S      | 3170  | 1300  | 2100  | 3270       | 250    |
| 155M      | 3170  | 1300  | 2100  | 3350       | 250    |
| 155L      | 3170  | 1300  | 2100  | 3420       | 250    |
| 200S      | 3370  | 1600  | 2400  | 3830       | 290    |
| 200M      | 3370  | 1600  | 2400  | 3900       | 290    |
| 200L      | 3370  | 1600  | 2400  | 4150       | 290    |
| 250S      | 3780  | 1900  | 3000  | 5710       | 370    |
| 250M      | 3780  | 1900  | 3000  | 6250       | 370    |
| 250L      | 3780  | 1900  | 3000  | 6380       | 370    |
| 320S      | 6390  | 3300  | 4100  | 15400      | 480    |
| 320M      | 6390  | 3300  | 4100  | 15570      | 480    |
| 320L      | 6390  | 3300  | 4100  | 16800      | 480    |



## Contact

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