

# Mbsm.pro, compressor, nly12ng, 1/2 hp–, 3/8 hp++, r290, 12,55cm<sup>3</sup>, LBP, 230V, Secop, Danfoss, CUBIGEL

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 24 August 2022



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**R290 LBP | LMBP • 50 Hz**
**Natural Refrigerant**

|                 | MODEL         | DISPLACEMENT | POWER | APPLICATION | CPR COOLING | VOLTAGE<br>FREQUENCY       | MOTOR | STARTING | EXPANSION | REFRIGERATION CAPACITY                                                       |     |     |      |        |       |      |       | WEIGHT | DESIGN |
|-----------------|---------------|--------------|-------|-------------|-------------|----------------------------|-------|----------|-----------|------------------------------------------------------------------------------|-----|-----|------|--------|-------|------|-------|--------|--------|
|                 |               |              |       |             |             |                            |       |          |           | COP in W/W<br>1 W = 0,864 kcal/h = 3,415 BTU/h<br>Evaporating Temperature °C |     |     |      |        |       |      |       |        |        |
|                 |               |              |       |             |             |                            |       |          |           | Cecomat (W)                                                                  |     |     |      | Ashrae |       |      |       |        |        |
|                 |               |              |       |             |             |                            |       |          |           | -40                                                                          | -30 | -25 |      | -10    | -23.3 |      |       |        |        |
|                 |               |              |       |             |             |                            |       |          |           |                                                                              |     | W   | COP  |        | W     | COP  |       |        |        |
| cm <sup>3</sup> | hp            |              |       |             |             |                            |       |          |           |                                                                              |     |     |      | Kg     |       |      |       |        |        |
|                 | NUS70NAc (**) | 6.70         | 1/4   | LMBP        | F           | 220-240V 50Hz ~1           | CSIR  | R        | C-V       | 103                                                                          | 186 | 241 | 1.37 | 462    | 325   | 1.76 | 8.60  | Ub     |        |
|                 | NUT70CAa      | 6.70         | 1/4   | LBP         | F           | 220-240V 50Hz ~1           | RSIR  | P        | C         | 109                                                                          | 195 | 250 | 1.30 | 463    | 335   | 1.68 | 9.20  | Ub     |        |
|                 | NUT70CAb      | 6.70         | 1/4   | LBP         | F           | 220-240V 50Hz ~1           | RSCR  | P        | C         | 109                                                                          | 195 | 250 | 1.39 | 463    | 335   | 1.80 | 9.41  | Ub     |        |
|                 | NUT70CAc      | 6.70         | 1/4   | LBP         | S           | 220-240V 50Hz ~1           | RSIR  | P        | C         | 109                                                                          | 195 | 250 | 1.30 | 463    | 335   | 1.68 | 9.20  | Ub     |        |
|                 | NUT70CAd      | 6.70         | 1/4   | LBP         | S           | 220-240V 50Hz ~1           | RSCR  | P        | C         | 109                                                                          | 195 | 250 | 1.39 | 463    | 335   | 1.80 | 9.41  | Ub     |        |
|                 | NUC70NGa      | 6.70         | 1/4   | LMBP        | F           | 200-220/230V 50/60Hz~1     | RSIR  | P        | C         | 106                                                                          | 190 | 243 | 1.04 | 450    | 325   | 1.35 | 8.80  | Ub     |        |
|                 | NUY70NGa (**) | 6.70         | 1/4   | LMBP        | F           | 200-220/220-230V 50/60Hz~1 | CSIR  | R        | C-V       | 109                                                                          | 195 | 250 | 1.39 | 463    | 335   | 1.40 | 8.95  | Uc     |        |
|                 | NUY80LAa      | 8.10         | 1/3   | LBP         | F           | 220-240V 50Hz ~1           | CSIR  | R        | C-V       | 129                                                                          | 230 | 294 | 1.16 | 540    | 393   | 1.49 | 9.43  | Uc     |        |
|                 | NLY90CAa      | 9.09         | 1/3   | LBP         | F           | 220-240V 50Hz ~1           | RSIR  | P        | C         | 130                                                                          | 236 | 307 | 1.06 | 591    | 413   | 1.37 | 10.30 | Ld     |        |
|                 | NLY90CAb      | 9.09         | 1/3   | LBP         | F           | 220-240V 50Hz ~1           | RSCR  | P        | C         | 130                                                                          | 236 | 307 | 1.11 | 591    | 413   | 1.44 | 10.30 | Ld     |        |
|                 | NUY90CAa      | 8.90         | 1/3   | LBP         | F           | 220-240V 50Hz ~1           | RSIR  | P        | C         | 157                                                                          | 267 | 338 | 1.21 | 614    | 451   | 1.55 | 9.30  | Uc     |        |
|                 | NUY90CAb      | 8.90         | 1/3   | LBP         | F           | 220-240V 50Hz ~1           | RSCR  | P        | C         | 158                                                                          | 270 | 342 | 1.28 | 625    | 457   | 1.64 | 9.40  | Uc     |        |
|                 | NUY90LAa      | 8.90         | 3/8   | LBP         | F           | 220-240V 50Hz ~1           | CSIR  | R        | C-V       | 157                                                                          | 267 | 338 | 1.21 | 614    | 451   | 1.55 | 9.40  | Uc     |        |
|                 | NUY90LAb      | 8.90         | 3/8   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 158                                                                          | 270 | 342 | 1.28 | 625    | 457   | 1.64 | 9.50  | Uc     |        |
|                 | NLY12LAa      | 10.70        | 3/8   | LBP         | F           | 220-240V 50Hz ~1           | CSIR  | R        | C-V       | 163                                                                          | 283 | 364 | 0.96 | 689    | 488   | 1.24 | 11.21 | Ld     |        |
|                 | NLY12LAb      | 10.70        | 3/8   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 163                                                                          | 283 | 364 | 1.01 | 689    | 488   | 1.31 | 11.31 | Ld     |        |
|                 | NLY12NGa      | 10.70        | 3/8   | LMBP        | F           | 200-220/220-230V 50/60Hz~1 | CSIR  | R        | C-V       | 168                                                                          | 288 | 371 | 0.98 | 715    | 499   | 1.28 | 11.04 | Ld     |        |
|                 | NLY12NGb      | 10.70        | 3/8   | LMBP        | F           | 200-220/220-230V 50/60Hz~1 | CSR   | R        | C-V       | 171                                                                          | 287 | 371 | 1.06 | 726    | 499   | 1.31 | 11.14 | Ld     |        |
|                 | NPY12LAa      | 12.10        | 3/8   | LBP         | F           | 220-240V 50Hz ~1           | CSIR  | R        | C-V       | 174                                                                          | 309 | 402 | 1.05 | 783    | 541   | 1.35 | 12.13 | Pd     |        |
|                 | NPY12LAb      | 12.10        | 3/8   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 174                                                                          | 309 | 402 | 1.15 | 783    | 541   | 1.49 | 12.23 | Pd     |        |
|                 | NPY14LAa      | 14.32        | 1/2   | LBP         | F           | 220-240V 50Hz ~1           | CSIR  | R        | C-V       | 217                                                                          | 376 | 485 | 1.05 | 928    | 651   | 1.35 | 12.17 | Pd     |        |
|                 | NPY14LAb      | 14.32        | 1/2   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 217                                                                          | 376 | 485 | 1.14 | 928    | 651   | 1.48 | 12.27 | Pd     |        |
|                 | NPT16LA       | 16.15        | 1/2   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 254                                                                          | 440 | 564 | 1.16 | 1062   | 756   | 1.50 | 12.17 | Pd     |        |
|                 | NPT18LA       | 18.00        | 1/2   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 269                                                                          | 473 | 611 | 1.13 | 1165   | 820   | 1.46 | 12.30 | Pd     |        |
|                 | NX18FBa       | 18.40        | 3/4   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 243                                                                          | 471 | 611 | 1.11 | 1137   | 820   | 1.44 | 16.41 | Xd     |        |
|                 | NX21FBa       | 20.72        | 3/4   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 267                                                                          | 517 | 675 | 1.11 | 1275   | 907   | 1.44 | 16.00 | Xd     |        |
|                 | NX23FBa       | 23.20        | 7/8   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 297                                                                          | 572 | 746 | 1.09 | 1411   | 1003  | 1.41 | 16.75 | Xd     |        |
|                 | NS26FB (**)   | 25.93        | 7/8   | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 199                                                                          | 580 | 765 | 1.04 | 1448   | 1029  | 1.35 | 22.60 | Sd     |        |
|                 | NS34FB (**)   | 34.42        | 1     | LBP         | F           | 220-240V 50Hz ~1           | CSR   | R        | C-V       | 257                                                                          | 750 | 990 | 1.04 | 1873   | 1332  | 1.35 | 23.00 | Sd     |        |

Compressors  
R290 / R600a

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