

MAX POWER  
**480 W**  
MAX TORQUE  
**640 Nm**

"07" series air motors are **much appreciated in pharmacy, chemistry and food processing industries**. Sealed and **made of stainless steel**, they are **waterproof, resistant to corrosive products** and their exhaust is collected so that there is **no risk of pollution**.

Like any of our air motors, "07" series air motors **can be used without lubrication** on demand in order to reduce even more any risk of oil exhaust.

Although they have a minimal size and weight, they **can develop up to 480W**.

| + ACCESSORIES FOR THIS MOTOR                               |  | Reference |
|------------------------------------------------------------|--|-----------|
| Filtration, pressure Regulation and Lubrication unit (FRL) |  | AC106     |
| Safety Air Treatment Box (SAT Box)                         |  | AC118     |
| With Pedal remote control                                  |  | AC119     |
| With handle remote control                                 |  | AC120     |
| With remote emergency kill switch                          |  | AC125     |
| With remote E-Stop and pedal remote control                |  | AC121     |
| With remote E-Stop and handle remote control               |  | AC122     |
| Maintenance kits                                           |  |           |
| Maintenance kit for "07" series                            |  | AC301     |
| Maintenance kit for lube free "07" series                  |  | AC311     |
| Maintenance kit for kit start "07" series                  |  | AC321     |
| modec Oil Co-16                                            |  | AC149     |
| Filters and silencers                                      |  |           |
| Metallic standard exhaust silencer                         |  | AC168     |
| Metallic standard inlet silencer                           |  | AC180     |
| Plastic standard exhaust silencer                          |  | AC166     |
| Plastic standard inlet silencer                            |  | AC150     |
| Heavy duty exhaust silencer                                |  | AC167     |
| Heavy duty inlet silencer                                  |  | AC154     |
| Speed control muffler                                      |  | AC171     |
| High flow air muffler                                      |  | AC158     |
| Exhaust silencer filter                                    |  | AC165     |

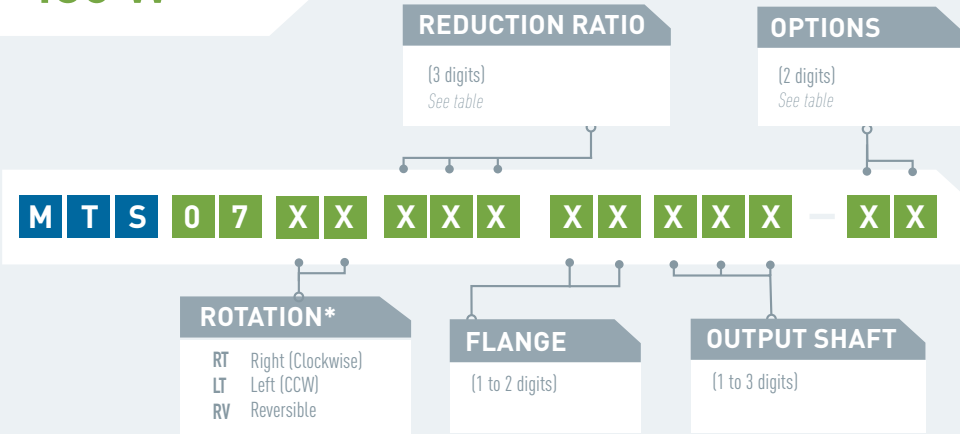
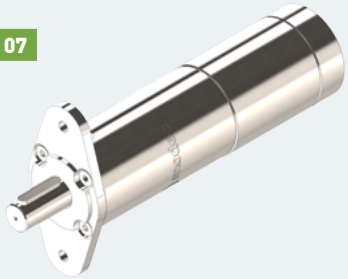
| CONNECTION AND LUBRICATION                                                            |                 |               |               |               |                             |
|---------------------------------------------------------------------------------------|-----------------|---------------|---------------|---------------|-----------------------------|
|  | Min. fittings Ø |               | Min. pipe Ø   |               | Lubrification<br>(6,2 bars) |
|                                                                                       | In              | Out           | In            | Out           |                             |
|                                                                                       | 5 mm / 0,2 In   | 7 mm / 0,3 In | 6 mm / 0,2 In | 9 mm / 0,4 In | 3 drops / minute            |

| CONVERSION TABLE            |                                                       |                   |
|-----------------------------|-------------------------------------------------------|-------------------|
| Watt ➤ Horse power          | Newton meter ➤ Pound feet                             | Millimeter ➤ Inch |
| Watt x 0.001341 = hp        | Nm x 0,7376 = lb.ft                                   | mm x 0,03937 = in |
| Bar ➤ Pound per square Inch | Normo Liter / minute ➤ Standard cubic feet per minute | Kilogram ➤ Pound  |
| Bar x 14,5 = psi            | NL / min x 0,03531 = scfm                             | Kg x 2,205 = lb   |



MOTOR MTS 07  
POWER 380-480 W

MTS 07



\* rotation direction is defined when looking from the back of the motor

PERFORMANCES

| MTS 07 XT     | Reduction ratio | Air supply pressure | Speed (rpm) |             | Torque (N.m) |                 |        | Max Power (W) | Air cons (NI/min) | Dimensions |             |     |
|---------------|-----------------|---------------------|-------------|-------------|--------------|-----------------|--------|---------------|-------------------|------------|-------------|-----|
| @ max Power   |                 |                     | Free        | @ max Power | Max (stall)  | Starting torque | A (mm) |               |                   | Ø (mm)     | Weight (kg) |     |
| MTS 07 XT 003 | 3               | 6,2 bars            | 2453        | 4907        | 1,9          | 3,5             | 3,0    | 477           | 700               | 132        | 45          | 1,4 |
|               |                 | 5 bars              | 2259        | 4519        | 1,6          | 2,9             | 2,5    | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 2075        | 4150        | 1,3          | 2,3             | 2,0    | 291           | 500               |            |             |     |
| MTS 07 XT 005 | 5               | 6,2 bars            | 1799        | 3598        | 2,5          | 4,7             | 4,1    | 477           | 700               | 132        | 45          | 1,4 |
|               |                 | 5 bars              | 1657        | 3314        | 2,2          | 3,9             | 3,5    | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 1522        | 3044        | 1,8          | 3,2             | 2,8    | 291           | 500               |            |             |     |
| MTS 07 XT 008 | 8               | 6,2 bars            | 1012        | 2024        | 4,5          | 8,4             | 7,4    | 477           | 700               | 132        | 45          | 1,4 |
|               |                 | 5 bars              | 932         | 1864        | 3,9          | 7,0             | 6,2    | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 856         | 1712        | 3,3          | 5,6             | 5,0    | 291           | 500               |            |             |     |
| MTS 07 XT 011 | 11              | 6,2 bars            | 743         | 1487        | 6,1          | 11              | 10     | 477           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 685         | 1369        | 5,3          | 9,5             | 8,4    | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 629         | 1258        | 4,4          | 7,7             | 6,7    | 291           | 500               |            |             |     |
| MTS 07 XT 015 | 15              | 6,2 bars            | 545         | 1090        | 8,4          | 16              | 14     | 477           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 502         | 1004        | 7,2          | 13              | 11     | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 461         | 922         | 6,0          | 10              | 9,2    | 291           | 500               |            |             |     |
| MTS 07 XT 020 | 20              | 6,2 bars            | 400         | 800         | 11           | 21              | 19     | 477           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 368         | 736         | 9,8          | 18              | 16     | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 338         | 676         | 8,2          | 14              | 13     | 291           | 500               |            |             |     |
| MTS 07 XT 026 | 26              | 6,2 bars            | 307         | 613         | 15           | 28              | 24     | 477           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 282         | 565         | 13           | 23              | 20     | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 259         | 519         | 11           | 19              | 16     | 291           | 500               |            |             |     |
| MTS 07 XT 036 | 36              | 6,2 bars            | 225         | 450         | 20           | 38              | 33     | 477           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 207         | 414         | 17           | 32              | 28     | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 190         | 380         | 15           | 25              | 22     | 291           | 500               |            |             |     |
| MTS 07 XT 049 | 49              | 6,2 bars            | 165         | 330         | 28           | 51              | 45     | 477           | 700               | 170,7      | 45          | 1,7 |
|               |                 | 5 bars              | 152         | 304         | 24           | 43              | 38     | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 140         | 279         | 20           | 34              | 30     | 291           | 500               |            |             |     |
| MTS 07 XT 064 | 64              | 6,2 bars            | 127         | 253         | 36           | 67              | 59     | 477           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 117         | 233         | 31           | 56              | 49     | 378           | 600               |            |             |     |
|               |                 | 4 bars              | 107         | 214         | 26           | 45              | 40     | 291           | 500               |            |             |     |
| MTS 07 RV     | Reduction ratio | Air supply pressure | Speed (rpm) |             | Torque (N.m) |                 |        | Max Power (W) | Air cons (NI/min) | Dimensions |             |     |
| @ max Power   |                 |                     | Free        | @ max Power | Max (stall)  | Starting torque | A (mm) |               |                   | Ø (mm)     | Weight (kg) |     |
| MTS 07 RV 003 | 3               | 6,2 bars            | 2085        | 4170        | 1,8          | 3,0             | 2,7    | 383           | 700               | 132        | 45          | 1,4 |
|               |                 | 5 bars              | 1920        | 3840        | 1,5          | 2,5             | 2,2    | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 1765        | 3530        | 1,2          | 2,0             | 1,8    | 219           | 500               |            |             |     |
| MTS 07 RV 005 | 5               | 6,2 bars            | 1529        | 3058        | 2,4          | 4,1             | 3,7    | 383           | 700               | 132        | 45          | 1,4 |
|               |                 | 5 bars              | 1408        | 2816        | 2,0          | 3,4             | 3,0    | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 1294        | 2588        | 1,6          | 2,7             | 2,4    | 219           | 500               |            |             |     |
| MTS 07 RV 008 | 8               | 6,2 bars            | 860         | 1720        | 4,3          | 7,4             | 6,5    | 383           | 700               | 132        | 45          | 1,4 |
|               |                 | 5 bars              | 792         | 1584        | 3,6          | 6,0             | 5,3    | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 728         | 1456        | 2,9          | 4,9             | 4,3    | 219           | 500               |            |             |     |
| MTS 07 RV 011 | 11              | 6,2 bars            | 632         | 1264        | 5,8          | 10              | 8,8    | 383           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 582         | 1164        | 4,8          | 8,2             | 7,2    | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 535         | 1070        | 3,9          | 6,6             | 5,8    | 219           | 500               |            |             |     |
| MTS 07 RV 015 | 15              | 6,2 bars            | 463         | 927         | 7,9          | 14              | 12     | 383           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 427         | 853         | 6,6          | 11              | 9,8    | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 392         | 784         | 5,3          | 9,0             | 8,0    | 219           | 500               |            |             |     |
| MTS 07 RV 020 | 20              | 6,2 bars            | 340         | 680         | 11           | 19              | 16     | 383           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 313         | 626         | 9,0          | 15              | 13     | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 288         | 575         | 7,3          | 12              | 11     | 219           | 500               |            |             |     |
| MTS 07 RV 026 | 26              | 6,2 bars            | 261         | 521         | 14           | 24              | 21     | 383           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 240         | 480         | 12           | 20              | 17     | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 221         | 441         | 9,5          | 16              | 14     | 219           | 500               |            |             |     |
| MTS 07 RV 036 | 36              | 6,2 bars            | 191         | 382         | 19           | 33              | 29     | 383           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 176         | 352         | 16           | 27              | 24     | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 162         | 324         | 13           | 22              | 19     | 219           | 500               |            |             |     |
| MTS 07 RV 049 | 49              | 6,2 bars            | 140         | 281         | 26           | 45              | 40     | 383           | 700               | 170,7      | 45          | 1,7 |
|               |                 | 5 bars              | 129         | 259         | 22           | 37              | 32     | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 119         | 238         | 18           | 30              | 26     | 219           | 500               |            |             |     |
| MTS 07 RV 064 | 64              | 6,2 bars            | 108         | 215         | 34           | 59              | 52     | 383           | 700               | 149,7      | 45          | 1,6 |
|               |                 | 5 bars              | 99          | 198         | 28           | 48              | 42     | 295           | 600               |            |             |     |
|               |                 | 4 bars              | 91          | 182         | 23           | 39              | 34     | 219           | 500               |            |             |     |

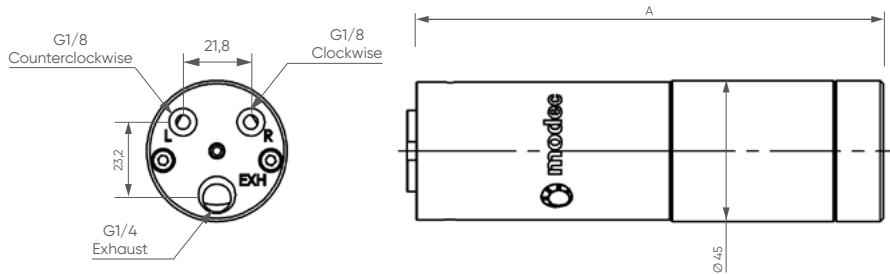
Data indicated in this table have an accuracy of +/- 5%

OPTIONS AVAILABLE FOR THIS MOTOR

|                    |    |    |    |    |    |    |
|--------------------|----|----|----|----|----|----|
| Collected exhaust* | ➔  | ➔  | ➔  | ➔  | ➔  | ➔  |
| ATEX certification |    | ➔  |    |    | ➔  | ➔  |
| Lubrication free   |    |    | ➔  |    | ➔  |    |
| Kit start          |    |    |    | ➔  |    | ➔  |
| Stainless steel    | ➔  | ➔  | ➔  | ➔  | ➔  | ➔  |
| Code               | 11 | 23 | 27 | 28 | 36 | 37 |

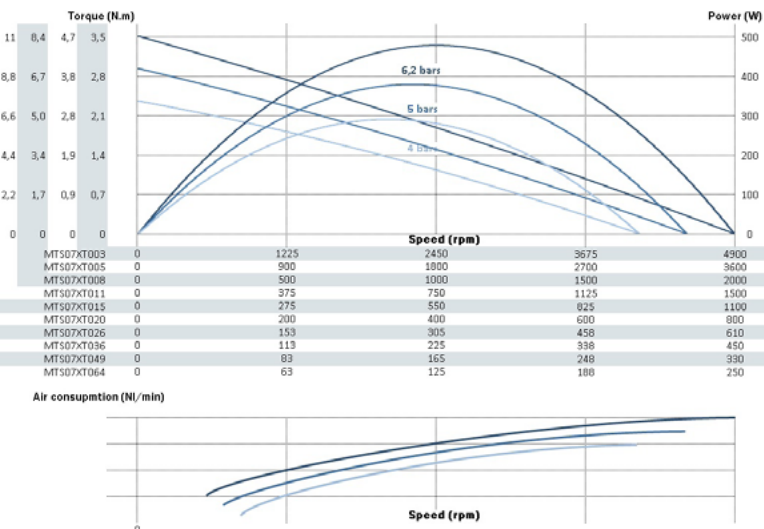
LAYOUT

MTS 07

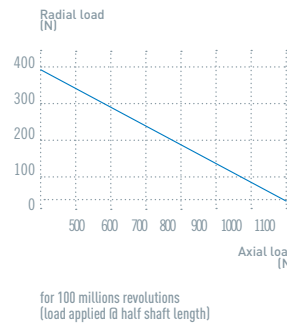


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MTS 07 XT

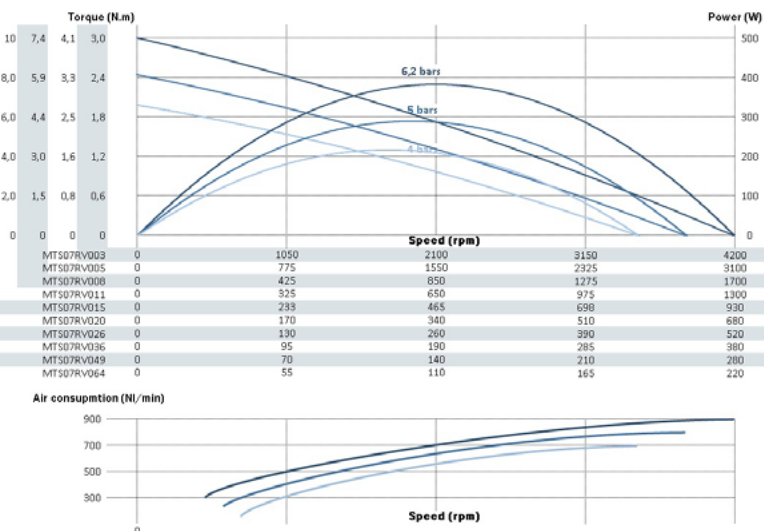


MAXIMUM RADIAL & AXIAL LOAD



NOTES

MTS 07 RV





Coupling the motor on your machine is as critical as choosing the right motor ! With Modec, no need to modify your machine to make it compliant with the motor. We offer a wide choice of flanges and shafts so that you can find the ones that match your need. In case you don't find the right one, we can design and manufacture specific flanges and shafts on request.

FLANGES & SHAFTS

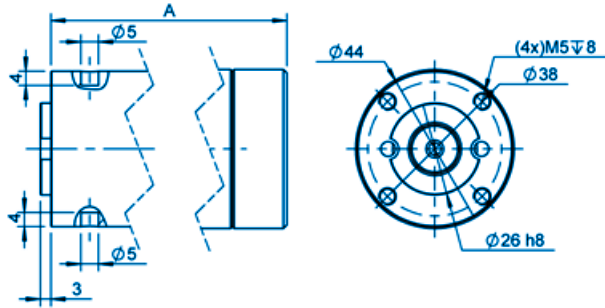
GROUP II

(1/2)

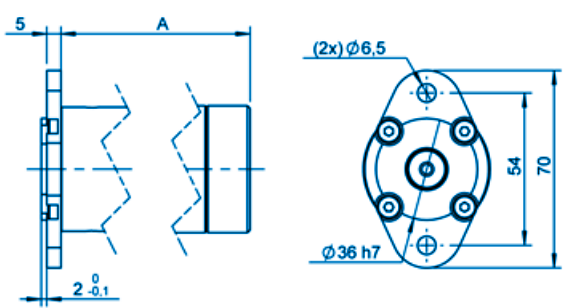
MTE 07

MTS 07

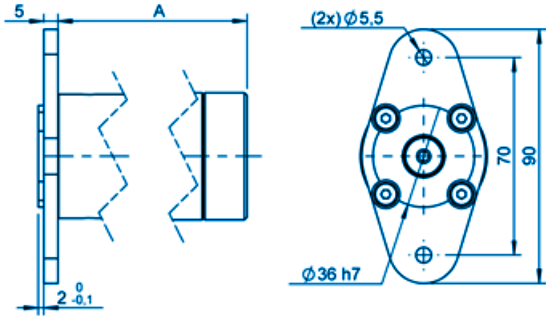
GROUP II FLANGE AA



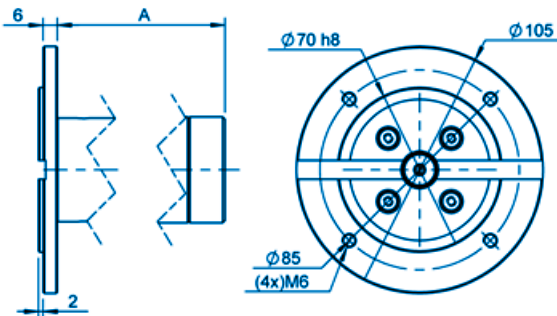
GROUP II FLANGE AB



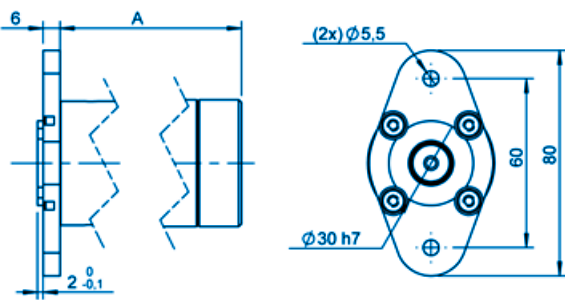
GROUP II FLANGE AC



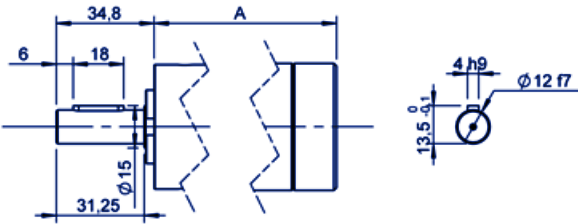
GROUP II FLANGE AD - IEC 71B14



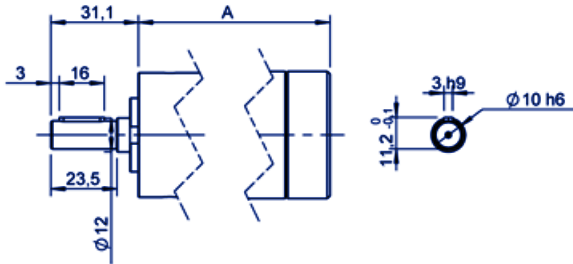
GROUP II FLANGE AE



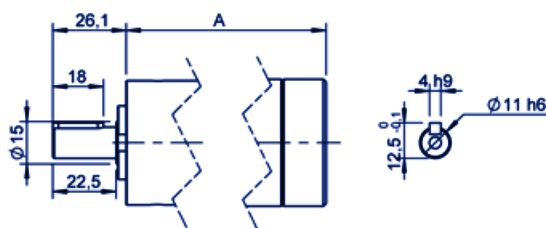
GROUP II SHAFT 001 - KEYED  $\phi 12$



GROUP II SHAFT 004 - KEYED  $\phi 10$



GROUP II SHAFT 006 - KEYED  $\phi 11$



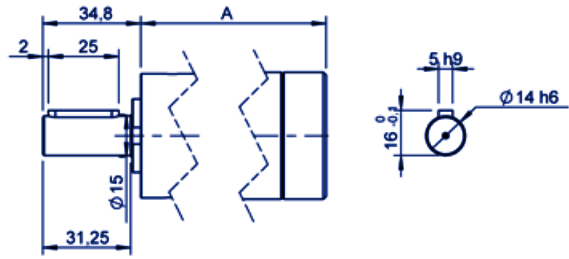
SHAFTS

GROUP II (2/2)

MTE 07

MTS 07

GROUP II SHAFT S01 - KEYED Ø14 - IEC 71B14



You didn't find  
your match ?

Contact us !