

MILLHOG® Rolling Motors and Tube Expanders, for fabricating and maintaining boilers, heat exchangers and condensers...

## MILLHOG® Rolling Motor Features

- Quickly, automatically, and accurately control tube expansion
- Precise, consistent tube wall reduction
- Tight tube joints
- Torque Control helps prevent over / under expansion
- Pneumatically powered
- Right angle models available for tight, restricted areas
- Many models available for rent

## MILLHOG® Tube Expander Features

- 3/8" to 4-1/2" O.D.
- Tube sheets to 5-3/8"
- Flare and straight rolls
- Kits available for sale or rent

## Precisely Bonds Tube to Tube Sheet

Equipped with the proper MILLHOG® Tube Expander and MILLHOG® Rolling Motor, premature tube failure and damage to the tube sheet, due to over/under expansion is prevented, assuring a tight, uniform bond between the tube O.D. and the tube sheet.



Available for sale or rental, tube expanding kits are custom fitted to meet your needs.



MILLHOG® torque controlled, pneumatically powered rolling motors are available in a variety of configurations that include: lever, and roll throttle models.



Tube expanders for Heat Exchangers, Condensers and Boilers are available from stock in a choice of configurations including; Straight, Flare, and Long Reach.

## MILLHOG® Rolling Motor Selection Chart

| Models     | Free Speed | Maximum Torque |          | Minimum Torque |          | Overall Length |     | Weight |       | Side To Center |      | Operating Hose |    | CFM | DR SQ | Tube Capacities |      | Chucks   |            |
|------------|------------|----------------|----------|----------------|----------|----------------|-----|--------|-------|----------------|------|----------------|----|-----|-------|-----------------|------|----------|------------|
|            |            | (RPM)          | IN. LBS. | Nm             | IN. LBS. | Nm             | IN. | mm     | LBS.  | KG.            | IN   | mm             | IN |     |       | mm              | IN   | mm       | included   |
| *710-3000  | 3000       | 9              | 0.68     | 2              | 0.23     | 7-9/16         | 192 | 1.9    | 0.86  | 13/16          | 20.6 | 1/4            | 7  | 8   | -     | 3/16            | 4.8  | 1/4 QC   | -          |
| *710-2000  | 2000       | 9              | 1.02     | 2              | 0.23     | 7-13/16        | 198 | 1.9    | 0.86  | 13/16          | 20.6 | 1/4            | 7  | 8   | -     | 1/4             | 6.3  | 1/4 QC   | -          |
| *720-1800B | 1000       | 27             | 3.05     | 2              | 0.226    | 7-7/8          | 200 | 24     | 1.09  | 13/16          | 20.6 | 1/4            | 7  | 17  | 1/4   | 3/8             | 9.5  | 1/4 QC   | 3/8 QC     |
| *720-550B  | 550        | 75             | 8.47     | 2              | 0.226    | 8-5/8          | 219 | 2.7    | 1.23  | 13/16          | 20.6 | 1/4            | 7  | 17  | 3/8   | 1/2             | 12.7 | 1/4 QC   | 3/8 QC     |
| *850-1250A | 1066       | 126            | 14.2     | 9.6            | 1.08     | 12-1/4         | 311 | 10.5   | 4.76  | 1-7/16         | 36.5 | 3/8            | 10 | 48  | 3-8   | 3/4             | 19   | 3/8 QC   | 1/2 QC     |
| 850-600A   | 486        | 230            | 26       | 4.4            | 1.63     | 12-1/4         | 311 | 10.5   | 4.76  | 1-7/16         | 36.5 | 3/8            | 10 | 48  | 3/8   | 1               | 25.4 | 3/8 QC   | 1/2-3/4 QC |
|            |            | FT. LBS.       | Nm       | FT. LBS.       | Nm       |                |     |        |       |                |      |                |    |     |       |                 |      |          |            |
| 1050-400   | 388        | 26.4           | 35.8     | 3.3            | 4.5      | 13-5/8         | 346 | 14     | 6.35  | 1-15/16        | 50   | 1/2            | 13 | 68  | 1/2   | 1-1/4           | 1.7  | 3/8 QC   | 1/2-3/4 QC |
| *1550-900  | 756        | 30.7           | 41.6     | 4.7            | 6.4      | 18             | 457 | 27     | 2.25  | 1-15/16        | 50   | 1/2            | 13 | 70  | 1/2   | 1-1/2           | 38.1 | 3/8 QC   | 1/2-3/4 QC |
| 1550-250   | 220        | 109.9          | 149      | 14.3           | 9.4      | 18             | 457 | 27     | 12.25 | 1-15/16        | 50   | 1/2            | 13 | 56  | 1/2   | 2-1/2           | 63.5 | 3/4-1 QC | 3/8-1/2 QC |

| Models                              | SPEED & TORQUE 90 psig AIR PRESSURE |                |     |                |     | Overall Length |      |        |     | Weight |          | HEAD DIMENSIONS |          | Square Drive Size | Tube Capacities | Chuck Size |
|-------------------------------------|-------------------------------------|----------------|-----|----------------|-----|----------------|------|--------|-----|--------|----------|-----------------|----------|-------------------|-----------------|------------|
|                                     | Free Speed                          | Maximum Torque |     | Minimum Torque |     | IN.            | mm   | LBS.   | KG. | IN./mm | IN./mm   |                 |          |                   |                 |            |
|                                     | (RPM)                               | FT. LBS.       | Nm  | FT. LBS.       | Nm  | IN.            | mm   | LBS.   | KG. | IN./mm | IN./mm   | IN.             | IN./mm   |                   |                 |            |
| *2055-R-370                         | 370                                 | 48             | 65  | 24             | 32  | 19.75"         | 489  | 7/3/04 | 3.5 | 7/8 23 | 3.0/76.1 | 1/2"            | 1.5/38   |                   | 1/2             |            |
| 2055-R-190                          | 190                                 | 95             | 129 | 43             | 58  | 19.75"         | 48 9 | 7/3/04 | 3.5 | 7/8 23 | 3.0/76.1 | 1/2"            | 2/50.8   |                   | 1/2             |            |
| Reversible Lever Throttle           |                                     |                |     |                |     |                |      |        |     |        |          |                 |          |                   |                 |            |
| *1573-L-190                         | 190                                 | 140            | 190 | 70             | 95  | 20.1           | 550  | 13     | 5.8 | 1.1/28 | 2.6/65   | 5/8             | 2.5/63.5 |                   | 3/4             |            |
| *1573-L-90                          | 90                                  | 305            | 410 | 150            | 200 | 21.7           | 550  | 14.75  | 6.7 | 1.5/37 | 2.6/65   | 5/8             | 4/101.5  |                   | 1               |            |
| Reversible Roll Throttle            |                                     |                |     |                |     |                |      |        |     |        |          |                 |          |                   |                 |            |
| 1753-R-190                          | 190                                 | 140            | 190 | 70             | 95  | 20.1           | 550  | 13     | 5.8 | 1.1/28 | 2.6/65   | 5/8             | 2.5/63.5 |                   | 3/4             |            |
| 1752-R-90                           | 90                                  | 305            | 410 | 150            | 200 | 21.7           | 550  | 14.75  | 6.7 | 1.5/37 | 2.75/70  | 5/8             | 4/101.5  |                   | 1               |            |
| Reversible Roll Throttle Stall Type |                                     |                |     |                |     |                |      |        |     |        |          |                 |          |                   |                 |            |
| 1753-RS-190                         | 190                                 | 155            | 210 | -              | -   | 18.5           | 465  | 18.5   | 8.4 | 1.1/28 | 2.6/65   | 5/8             | 2.5/63.5 |                   | 3/4             |            |
| *1753-RS-90                         | 90                                  | 325            | 440 | -              | -   | 19             | 485  | 18.5   | 8.4 | 1.5/37 | 2.75/70  | 3/4             | 4/101.5  |                   | 1               |            |

\* Rental Item, check availability