



# TECHNICAL SPECIFICATIONS

| ARB<br>AIR COMPRESSORS |                              | SUPPLY VOLTAGE<br>V | PERFORMANCE UNDER NO LOAD |               |               |                   | PERFORMANCE UNDER LOAD |                |                                    |         |                   | MAXIMUM LOAD    |     |  | WEIGHT |                  | WEIGHT |  | DIMENSIONS |                 |                 |                |      |    | AUTOMOTIVE CURRENT LOAD PROTECTION IN LOOM | AIR LOCKER SOLENOID MOUNTING MANIFOLD | PRESSURE CUTOFF SWITCH | DURABLE POLYPROPYLENE CARRY CASE | AIR FILTER EQUIPPED | 6 METER [20 FT] TYRE INFLATION HOSE | THERMAL OVER-LOAD PROTECTED MOTOR | LOW HEAD SUBMERSIBLE |
|------------------------|------------------------------|---------------------|---------------------------|---------------|---------------|-------------------|------------------------|----------------|------------------------------------|---------|-------------------|-----------------|-----|--|--------|------------------|--------|--|------------|-----------------|-----------------|----------------|------|----|--|---------------------------------------|------------------------|----------------------------------|---------------------|-------------------------------------|-----------------------------------|----------------------|
| MODEL                  | DESCRIPTION                  |                     | CURRENT DRAW<br>A         | AIR FLOW      |               | CURRENT DRAW<br>A | AIR FLOW               |                | DUTY CYCLE<br>(on time / off time) |         | CURRENT DRAW<br>A | PRESSURE RATING |     | -compressor, included accessories, packaging |        | -compressor only |        | -when positioned vertically in the mounting bracket.<br>-portable compressor sizes shown as carry case size. |            | HEIGHT<br>mm in | LENGTH<br>mm in | WIDTH<br>mm in |      |    |  |                                       |                        |                                  |                     |                                     |                                   |                      |
|                        |                              |                     |                           | @ 0kPa<br>lpm | @ 0PSI<br>cfm |                   | @ 200kPa<br>lpm        | @ 29PSI<br>cfm | %                                  | min/min |                   | kPa             | psi | kg   | lb     | kg               | lb     | mm   | in         |                 |                 |                | mm   | in |  |                                       |                        |                                  |                     |                                     |                                   |                      |
| <b>CKSA12</b>          | COMPACT ON-BOARD             | 12                  | 5.5                       | 27.7          | 0.98          | 7.5               | 19.7                   | 0.70           | 35                                 | 21/39   | 9.0               | 690             | 100 | 2.4  | 5.3    | 1.5              | 3.3    | 122  | 4.8        | 162             | 6.4             | 88             | 3.5  | ✗  | ✓  | ✓                                     | ✗                      | ✓                                | ✗                   | ✗                                   | ✗                                 |                      |
| <b>CKMA12</b>          | HIGH OUTPUT ON-BOARD         | 12                  | 14.2                      | 87.2          | 3.08          | 25.2              | 65.9                   | 2.34           | 50                                 | 30/30   | 32.0              | 690             | 100 | 4.5  | 9.9    | 3.5              | 7.7    | 145  | 5.7        | 190             | 7.5             | 98             | 3.9  | ✓  | ✓  | ✓                                     | ✗                      | ✓                                | ✗                   | ✓                                   | ✓                                 |                      |
| <b>CKMA24</b>          | HIGH OUTPUT ON-BOARD         | 24                  | 7.1                       | 87.2          | 3.08          | 12.6              | 65.9                   | 2.34           | 50                                 | 30/30   | 18.0              | 690             | 100 | 4.5  | 9.9    | 3.5              | 7.7    | 145  | 5.7        | 190             | 7.5             | 98             | 3.9  | ✓  | ✓  | ✓                                     | ✗                      | ✓                                | ✗                   | ✓                                   | ✓                                 |                      |
| <b>CKMP12</b>          | HIGH OUTPUT PORTABLE         | 12                  | 14.2                      | 87.2          | 3.08          | 25.2              | 65.9                   | 2.34           | 50                                 | 30/30   | 32.0              | 690             | 100 | 6.6  | 14.5   | N/A              | N/A    | 208  | 8.2        | 440             | 17.3            | 238            | 9.4  | ✓  | ✗  | ✓                                     | ✓                      | ✓                                | ✓                   | ✓                                   | ✓                                 |                      |
| <b>CKMB12A</b>         | HIGH OUTPUT BASIC            | 12                  | 14.2                      | 87.2          | 3.08          | 25.2              | 65.9                   | 2.34           | 50                                 | 30/30   | 34.3              | 1030            | 150 | 3.6  | 7.9    | 3.3              | 7.3    | 145  | 5.7        | 190             | 7.5             | 98             | 3.9  | ✗  | ✗  | ✗                                     | ✗                      | ✗                                | ✗                   | ✓                                   | ✓                                 |                      |
| <b>CKMB24A</b>         | HIGH OUTPUT BASIC            | 24                  | 7.1                       | 87.2          | 3.08          | 12.6              | 65.9                   | 2.34           | 50                                 | 30/30   | 17.2              | 1030            | 150 | 3.6  | 7.9    | 3.3              | 7.3    | 145  | 5.7        | 190             | 7.5             | 98             | 3.9  | ✗  | ✗  | ✗                                     | ✗                      | ✗                                | ✗                   | ✓                                   | ✓                                 |                      |
| <b>CKMTA12</b>         | MAXIMUM PERFORMANCE ONBOARD  | 12                  | 28.4                      | 174.4         | 6.16          | 50.4              | 131.8                  | 4.68           | 100                                | 60/0    | 68.6              | 1030            | 150 | 8.8  | 19.4   | 7.9              | 17.4   | 105  | 4.1        | 278             | 10.9            | 190            | 7.5  | ✓  | ✗  | ✓                                     | ✗                      | ✓                                | ✗                   | ✓                                   | ✓                                 |                      |
| <b>CKMTA24</b>         | MAXIMUM PERFORMANCE ONBOARD  | 24                  | 14.2                      | 174.4         | 6.16          | 25.2              | 131.8                  | 4.68           | 100                                | 60/0    | 34.3              | 1030            | 150 | 8.8  | 19.4   | 7.9              | 17.4   | 105  | 4.1        | 278             | 10.9            | 190            | 7.5  | ✓  | ✗  | ✓                                     | ✗                      | ✓                                | ✗                   | ✓                                   | ✓                                 |                      |
| <b>CKMTP12</b>         | MAXIMUM PERFORMANCE PORTABLE | 12                  | 28.4                      | 174.4         | 6.16          | 50.4              | 131.8                  | 4.68           | 100                                | 60/0    | 68.6              | 1030            | 150 | 15   | 33.0   | N/A              | N/A    | 186  | 7.3        | 478             | 18.8            | 355            | 14.0 | ✓  | ✗  | ✓                                     | ✓                      | ✓                                | ✓                   | ✓                                   | ✓                                 |                      |
| <b>CKMTP24</b>         | MAXIMUM PERFORMANCE PORTABLE | 24                  | 14.2                      | 174.4         | 6.16          | 25.2              | 131.8                  | 4.68           | 100                                | 60/0    | 34.3              | 1030            | 150 | 15   | 33.0   | N/A              | N/A    | 186  | 7.3        | 478             | 18.8            | 355            | 14.0 | ✓  | ✗  | ✓                                     | ✓                      | ✓                                | ✓                   | ✓                                   | ✓                                 |                      |

1 Air locker solenoids can be fitted using optional manifold kit #171503

-All ARB Air Compressors are individually leak tested, pressure tested, current draw tested and flow tested under load at the factory before packaging.

-ARB Air Compressor pressure switches are specially designed to suit the working pressure range of an ARB Air Locker air operated locking differential.

-All specifications here are average nominal values recorded during factory testing, and these values may vary as materials technology and component design undergoes continuous improvement.