

# Data sheet

Sheet No.: C3PM 2.01 RevB

Date: August 2010

# CBA-300 Series

## Performance Data – (Pneumatic)

### Double-Acting Actuators

#### CBA-300 Series

Actuator Model	Volume (cu cm) ▲		Maximum Operating Pressure (MOP)* (Bar)	Maximum Allowable Working Pressure (MAWP)** (Bar)	Approximate Weight of Actuator (kg)
	Outboard	Inboard (Housing)			
CBA 730	4260.6	9209.5	7.2	13.8	59
CBA 830	5588.0	10373.0	5.5	13.8	63.5
CBA 930	7095.6	11683.9	4.5	11.7	70.3
CBA 1030	9373.4	13666.8	3.4	9.0	77.1

### Spring-Return Actuators

#### CBA-300 Series

Actuator Model	Volume (cu cm) ▲	Maximum Operating Pressure (MOP)* (Bar)	Maximum Allowable Working Pressure (MAWP)** (Bar)	Approximate Weight of Actuator (kg)
◆ CBA730-SR40	9209.5	9.3	13.8	71.7
SR60	9209.5	9.7	13.8	72.8
SR80	9209.5	10.0	13.8	73.9
SR100	9209.5	10.3	13.8	74.4
◆ CBA830-SR40	10373.0	7.2	13.8	81.6
SR60	10373.0	7.6	13.8	83.7
SR80	10373.0	8.0	13.8	85.3
SR100	10373.0	8.3	13.8	87.3
◆ CBA930-SR40	11683.9	5.9	11.7	88.5
SR60	11683.9	6.2	11.7	91.6
SR80	11683.9	6.6	11.7	93.7
SR100	11683.9	7.2	11.7	93.0
◆ CBA1030-SR40	13666.8	4.8	9.0	99.8
SR60	13666.8	5.2	9.0	102.5
SR80	13666.8	5.5	9.0	105.9

Notes:

◆ CBA-SRXXM mechanical handwheel overrides are available on these models. The override adds approximately 12 lbs. (5kg) to the weight of the standard CB model.

▲ Maximum volume including cavity required for calculating consumption per stroke.

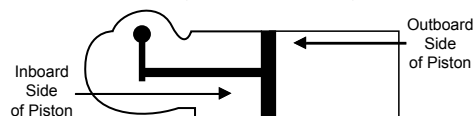
\*\* **Maximum Operating Pressure (MOP)** - The pressure required to produce the maximum rated torque of the actuator.

\*\*\* **Maximum Allowable Working Pressure (MAWP)** is the maximum static pressure that may be applied to a fully stroked actuator against the travel stops.

Standard installation produces clockwise rotation when the outboard side of piston is pressurized.

Standard installation produces counterclockwise rotation when the inboard side of piston is pressurized.

Note: Actuator may be installed opposite of that shown above



# BETTIS™

www.Bettis.com

Copyright © Emerson Process Management. The information in this document is subject to change without notice.

Updated data sheets can be obtained from our website [www.bettis.com](http://www.bettis.com) or from your nearest Valve Automation Center.

USA: +1 281 727 5300 Europe: +31 74 256 1010 Asia-Pacific: +65 6501 4600

**EMERSON™**  
Process Management