

Parker Hannifin's Oildyne Division introduces the Parker Compact EHA (Electro-Hydraulic Actuator).

The Parker Compact EHA brings power density to the forefront, allowing for control of heavy loads while requiring only a small footprint for mounting in the application. Decoupling the hydraulic pump from an engine-driven system reduces the parasitic drag on the engine providing for more efficient operation.

With three bore sizes available and strokes up to 203 mm (8"), the Parker Compact EHA produces forces up to 22 kN (5,000 lbs) and speeds up to 130 mm/sec (5.1"/sec). A fully flushed, filled and tested Compact EHA will enable customers to quickly install the

system in their application and get the machinery running in significantly less time than before. The IP67 rated EHA is suitable for punishing environments, including those where salt, dust or corrosive fertilizers may be the ambient conditions. The unit also easily facilitates manual release and low noise signature options for indoor operation.

This Electro-Hydraulic Actuator delivers a significant reduction in components needed for hydraulically controlled movement. The EHA integrates all the traditional components -- a DC-voltage driven electric motor, reversing gear or gerotor

pump, relief and check valves and reservoir -- with a double-acting hydraulic cylinder in a cast aluminum, mono-block housing. This significantly reduces the potential leak points, simplifies vendor management and shortens the installation time.

Applications for the Parker Compact EHA are numerous, including hatch operators, door openers, utility vehicle tilt beds, jack plates, tilt/trim, mower deck lifts, hospital stretchers, ATV attachments, etc.... almost anywhere a stroke of up to 203 mm (8") is required for linear movement is a prime candidate.

Standard Product Ordering Code

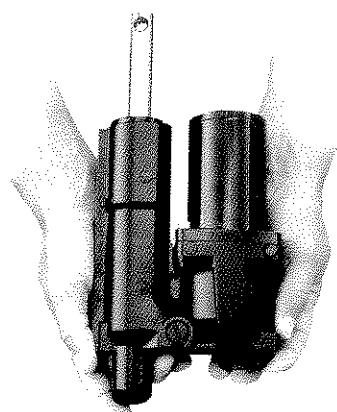
EHA	A	400	1	B	N	G	BAA	1	A	04	04	B	ACA	N
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<p>BORE</p> <p>A 25.4 mm (1.00")</p> <p>B 31.8 mm (1.25")</p> <p>C 36.5 mm (1.44")</p>	<p>STROKE</p> <p>400 102 mm (4.00")</p> <p>600 152 mm (6.00")</p> <p>800 203 mm (8.00")</p>	<p>ORIENTATION</p> <p>1 VERTICAL (rod up)</p> <p>2 HORIZONTAL (motor above cylinder)</p> <p>3 HORIZONTAL (motor below cylinder)</p> <p>4 HORIZONTAL (motor left of cylinder)</p> <p>5 HORIZONTAL (motor right of cylinder)</p>	<p>CIRCUIT</p> <p>B LB</p>	<p>MAN. RELEASE</p> <p>N Contact Factory</p>	<p>BASE END CONFIG.</p> <p>BAA Male Pivot 6.4 mm Ø (.250") hole used with Rod ACA</p> <p>BCA Male Pivot 9.5 mm Ø (.375") hole used with Rod BCC</p> <p>BEA Male Pivot 12.7 mm Ø (.500") hole used with Rod CCE</p> <p>NOTE: Prototypes will have a 12.7 mm Ø (.500") hole</p>	<p>ROD CONFIG.</p> <p>ACA 14.2 mm Ø (.561") w/6.4 mm (.250") hole</p> <p>BCC 15.9 mm Ø (.625") w/9.5 mm (.375") hole</p> <p>CCE 19.1 mm Ø (.750") w/12.7 mm (.500") hole</p>	<p>MAX FORCE RET. IN 100'S LBS (EXAMPLES)</p> <p>04 1780 N (400 LBS)</p> <p>25 11125 N (2500 LBS)</p> <p>32 14240 N (3200 LBS)</p>	<p>MAX FORCE EXT. IN 100'S LBS (EXAMPLES)</p> <p>04 1780 N (400 LBS)</p> <p>25 11125 N (2500 LBS)</p> <p>32 14240 N (3200 LBS)</p>	<p>MOTOR</p> <p>A 12 VDC MOTOR, 245 WATTS</p> <p>B 12 VDC MOTOR, 560 WATTS</p> <p>C 24 VDC MOTOR, 245 WATTS</p> <p>D 24 VDC MOTOR, 560 WATTS</p>	<p>PUMP</p> <p>1 .100 GEAR</p> <p>2 .190 GEAR</p> <p>3 .250 GEAR</p> <p>4 .327 GEAR</p>	<p>OPTIONS</p> <p>N Contact Factory</p>
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NOTE: LBS = N x 4.45

Note: See page 4 for clarification of horizontal codes 2-5

Red Down



Contact Parker Oildyne for configurations other than those shown here.

