

# BATTERY POWERED PORTABLE VALVE ACTUATORS JA73



## REDUCTION RATIO

(1 to 3 digits)  
see table overleaf

J A 7 3 X X X X X X

E = Easy duty  
S = Standard duty  
H = Heavy duty

## OPTION

(2 digits)  
see table overleaf

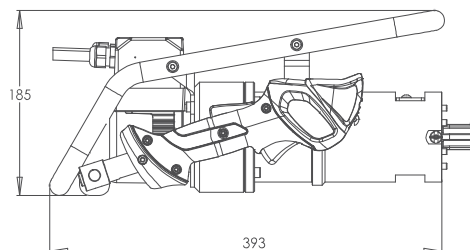
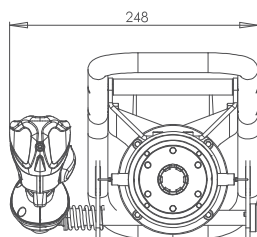
### Dedicated to the most demanding applications!

Thanks to its **robustness** and high autonomy batteries, the **JA73 modtec electric portable valve actuator** is able to deliver a **high power** for **more than one hour** continuously. It does not depend on any energy source (electric plug or compressed air network) and can operate freely anywhere. Much more **powerful** than its little brother (MC89), it can deliver **high speed** and **high torque** simultaneously, which makes it **the perfect tool for Heavy duty jobs**. Extremely robust, it has got an **integrated clutch system** which protects the operator and the equipment, even if a valve is completely blocked.

The **ergonomic control handle** allows the display and control of the many actuator and battery's functions and parameters in a **simple and intuitive way**.

The **integrated electronic torque limiter** (available as standard on all models) allows to adapt to any configuration and further improve the **safety of the user and the equipment**.

## LAYOUT



Weight : 8.7 kg  
(62.9 lb.ft)

Watt → Horse power

W x 0,001341 = cv

Newton meter → Foot pound

Nm x 0,7376 = lb.ft

Millimeter → inch

mm x 0,03937 = in

Kv → Cv

Kv x 0,07 = Cv

Bar → pound / square inch

Bar x 14,5 = psi

Normo liter / minute → Standard cube feet / minute

NL / min x 0,03531 = scfm

Kilogramme → Pound

Kg x 2,205 = lb

## BATTERIES

Technical data	BAT520	BAT750	BAT1200	BAT1500
Type	Li-ion	Li-ion	Li-ion	Li-ion
Output voltage	43.2 V	43.2 V	43.62 V	43.62 V
Capacity	12 Ah	17.25 Ah	28 Ah	35 Ah
Stored energy	520 Wh	745 Wh	1221 Wh	1527 Wh
Maximum power	2 kW	2 kW	2 kW	2 kW
Autonomy*	25 min	35 min	60 min	90 min
Charging time	6h30	9h	10h	12h
Average life (number of cycles)*	up to 800	up to 1200	up to 1300	up to 1300
Weight (kg (lb))	3,6	4,5	6,3	7,5



The electric portable actuators use high performance batteries for greater autonomy. Both battery and charger need to be ordered separately. These batteries comes with a light, comfortable harness for use during transport or when using the actuator.

\* Autonomy is measured for an equivalent torque of 50% of maximum torque.

\*\* One cycle means one complete battery charge and discharge.

## OPTIONS AND ACCESSORIES

## OPTIONS (page 5)

Digital revolution counter	<input type="checkbox"/>	<input type="checkbox"/>
CODE	00	02



Check the technical data sheet to see which options and accessories are capable of withstanding the torque created by the actuator !

## ACCESSORIES

ACCESSORIES	Page
Drive head	6
Adaptors and interfaces	7-14
Torque reaction systems	15-17
Other accessories	20

## PERFORMANCE

Straight or with RA30	Free speed (rpm)	Max torque (Nm (lb.ft))	Starting torque (Nm (lb.ft))	Options available
				02
JA73E-023	360	44 (32)	35 (26)	<input type="checkbox"/>
JA73S-077	110	150 (110)	120 (89)	<input type="checkbox"/>
JA73S-132	63	250 (180)	200 (150)	<input type="checkbox"/>
JA73H-169	49	325 (240)	260 (190)	<input type="checkbox"/>
JA73H-309	27	590 (435)	470 (350)	<input type="checkbox"/>
JA73H-564	15	1080* (800)*	860 (640)	<input type="checkbox"/>
With banjo head BJH01	Free speed (rpm)	Max torque (Nm (lb.ft))	Starting torque (Nm (lb.ft))	Options available
				02
JA73E-023	90	180 (130)	140 (100)	<input type="checkbox"/>
JA73S-077	27	590 (435)	470 (350)	<input type="checkbox"/>
JA73S-132	non disponible			
JA73H-169				
JA73H-309				
JA73H-564				
With banjo head BJH02	Free speed (rpm)	Max torque (Nm (lb.ft))	Starting torque (Nm (lb.ft))	Options available
				02
JA73E-023	120	135 (100)	105 (77)	<input type="checkbox"/>
JA73S-077	36	440 (320)	350 (260)	<input type="checkbox"/>
JA73S-132	21	760 (560)	600 (440)	<input type="checkbox"/>
JA73H-169	16	975 (720)	780 (580)	<input type="checkbox"/>
JA73H-309	non disponible			
JA73H-564				



\* Warning ! Do not use the actuator when the torque is higher than 1000 Nm (740 lb.ft) or use a torque limiter

Some electric portable actuator manufacturers give torque and speed performance without reference to the length of operating time.

This can suggest a high performance level when in reality the level can only be achieved for a few seconds and with significant risk of damage to the actuator's motor.

Portable actuators using a modec battery are designed and tested to deliver the stated performance level with no time limit other than the length of the battery life.



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