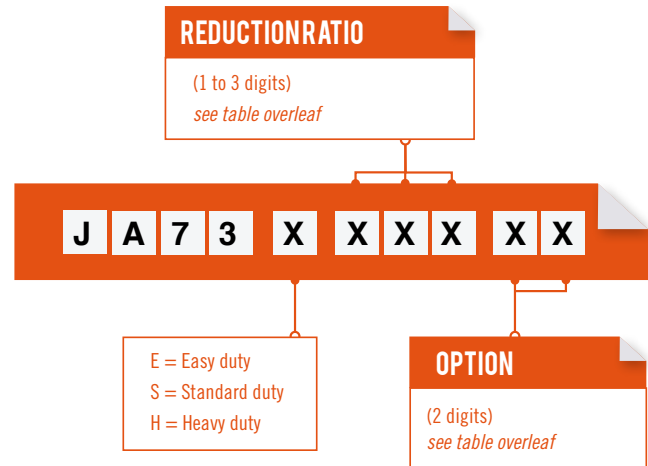


ELECTRIC PORTABLE VALVE ACTUATORS JA73

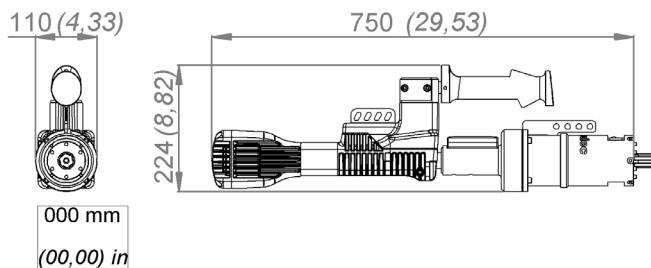


Thanks to their long life batteries, **modtec electric portable valve actuators** are able to deliver a **high power** for **more than one hour**. This means they are not dependent on an energy source (electric plug or compressed air network) and can operate freely anywhere. Their **exceptional power** for a portable tool allows to benefit from high speed and high torque at the same time. Extremely robust, they have an **integrated clutch system which protects the operator and the equipment**, even if a valve is completely blocked.

The **power limiter** integrated in all models and the **torque limiter** available as an option mean **you can adapt the tool to any configuration and further improve user safety**.

LAYOUT

LAYOUT	Weight (kg) (lb)
JA73S/H	10,1 (22,3)



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	BAT700	BAT1200	BAT1500
Type	Li-ion	Li-ion	Li-ion
Output voltage	43.2 V	46.6 V	43.6 V
Capacity	17.4 Ah	28 Ah	35 Ah
Stored energy	752 Wh	1221 Wh	1527 Wh
Maximum power	2 kW	2 kW	2 kW
Autonomy*	35 min	60 min	90 min
Charging time	9 h	10 h	12 h
Average life (number of cycles)*	up to 1200	up to 1300	up to 1300
Weight (kg (lb))	4,9 (10,8)	6,3 (13,9)	5,9 (16,5)



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		▶		▶
Torque limiter*			▶	▶
CODE	00	02	03	05

*see torque and speed values page 5 : « Options »

Not all options are available for all models.

See below for availability.



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	03*	05*
JA73E-023	360	44 (32)	35 (26)	▶	▶	▶
JA73S-077	110	150 (110)	120 (89)	▶	▶	▶
JA73S-132	63	250 (180)	200 (150)	▶	▶	▶
JA73H-169	49	325 (240)	260 (190)	▶	▶	▶
JA73H-309	27	590 (435)	470 (350)	▶	▶	▶
JA73H-564	15	1080 (800)**	860 (640)	▶	▶	▶
With banjo head BJH01	Free speed (rpm)	Max torque (Nm (lb.ft))	Starting torque (Nm (lb.ft))	Options available		
				02	03*	05*
JA73E-023	90	180 (130)	140 (100)	▶	▶	▶
JA73S-077	27	590 (435)	470 (350)	▶	▶	▶
JA73S-132	Not available					
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	03*	05*
JA73E-023	120	135 (100)	105 (77)	▶	▶	▶
JA73S-077	36	440 (320)	350 (260)	▶	▶	▶
JA73S-132	21	760 (560)	600 (440)	▶	▶	▶
JA73H-169	16	975 (720)	780 (580)	▶	▶	▶
JA73H-309	Not available					
JA73H-564						



*see torque and speed values page 5 : « Options »

** 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.

IMPORTANT

For your comfort and safety, please carefully read the instruction manual before using the portable valve actuator.