

KC55

Series model

Linear Actuator



Applications

1. Industrial
2. Construction
3. Ships
4. Automation

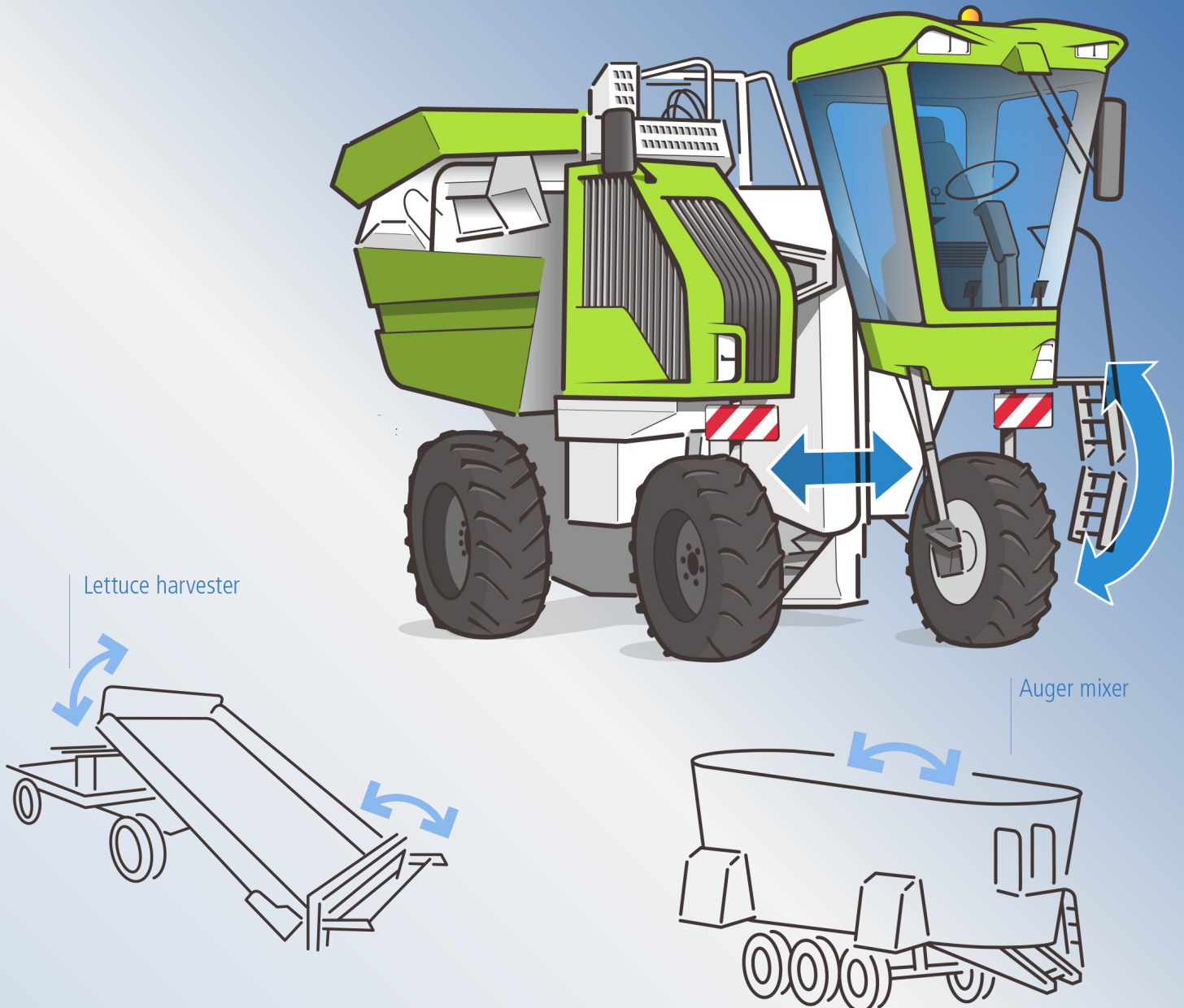
KC55 has the same design as KC75, with in-line structure it is suitable for installation in narrow space. Optional waterproof rating up to IP69, which can withstand high temperature, high-pressure water impact.

Features

Voltage:	12V, 24V, 36V, 48V DC
Max Push/Pull Force:	6000N
Speed @ Full load:	1.4.mm / s (load 6000N)
Retracted Length:	stroke + 320mm stroke + 350mm(S>400 MM)
Dynamic Torque:	90Nm
Static Torque:	150Nm
Color:	Black
Noise:	65DB
Quality Management:	ISO9001-2008, certified by CE and ROHS
Ambient temp. Range:	-45 ° C ~ + 75 ° C
Operating Temp. Range:	+5 ° C ~ + 45 ° C
Protection Level:	IP66
Screw Type:	Trapezoidal
Signal Output	Hall sensor(Optional)
Control System:	Synchronous Control(100%), Separate Control (Optional)
Material:	SS304 inner tube, and metal gear box
Limit Switches:	Built-in(not adjustable)

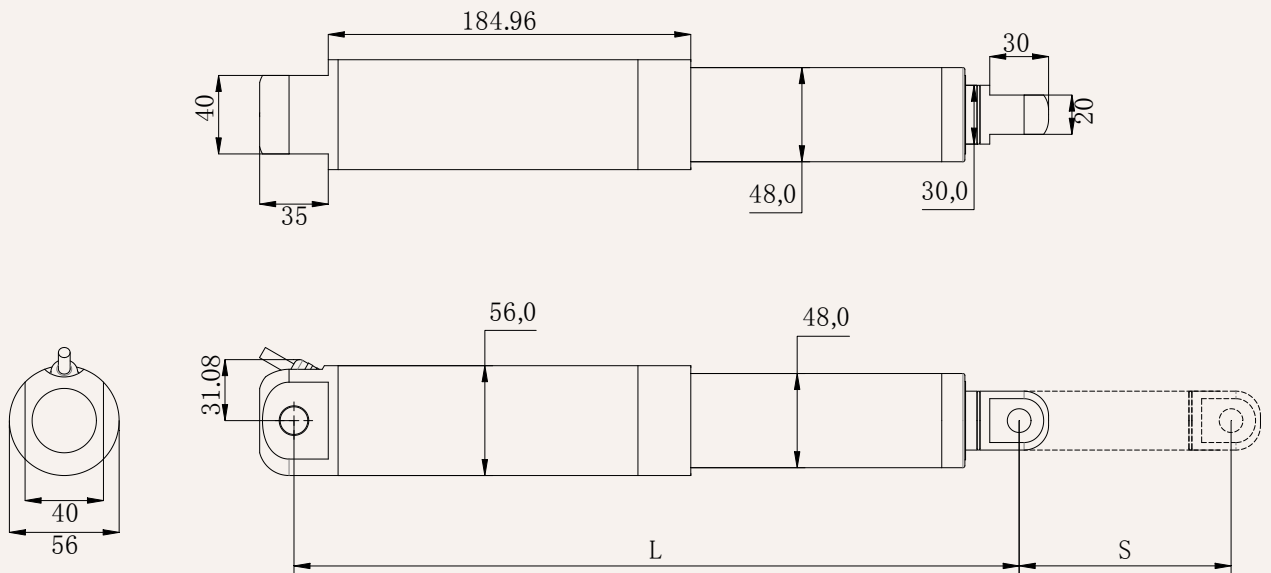
Case for Agricultural Machinery

- ✓ The product can work under extreme conditions.
- ✓ Suitable for harsh conditions full of dust, dirt and water.
- ✓ In addition, GeMinG actuators do not require regular maintenance.



Drawings

Dimension
(MM)



S: Stroke
 L: Retracted length
 L= Stroke +320mm
 >=400MM, L= Stroke +350MM

LOAD & SPEED

Code	Rated Load Push (N)	Rated Load Pull (N)	Self-lock Static (N)	Rated Current Full-load (A)	Rated Speed No-load (mm/s)	Rated Speed Full-load (mm/s)
Motor Speed (7200RPM, duty cycle 10%)						
A	6000	6000	7000	4.1	2.6	1.4
B	5000	5000	5000	4.1	4.8	3.8
C	3500	3500	4000	4.1	6.6	5.3
D	2500	2500	2500	3.3	9.2	7.5
E	850	850	850	3.3	27.5	22.0
F	600	700	700	4.1	55.0	42.0
G	200	200	300	4.1	92.0	70.0

Motor Speed (8000RPM, duty cycle 10%)

H	5000	4000	7000	3.5	4.3	3.1
K	4000	4000	5000	3.5	5.3	4.0
L	3000	3000	4000	3.0	7.6	6.1
M	2000	2000	2000	3.0	10.7	8.5
N	500	750	750	3.0	35.4	25.0

Remark

- The current and speed in the table are the averages tested when using push force.
- The current & speed results in the table are based on the use of a GaMinG brand control box, and there will be an error of about 10% depending on different types of the control box.
- 29V DC @ no-load, 24V DC @ rated load
- Stroke & Load:

Load (N)	Stroke Range (mm)
5000	50-400
2000	401-600
<=1000	601-800

Reference Chart

KC55	Load ± 10% (N)					Speed ± 2 (mm / sec)	
Load	6000	5000	3500	2500	850	600	200
Speed	2	5	7	9	28	55	92

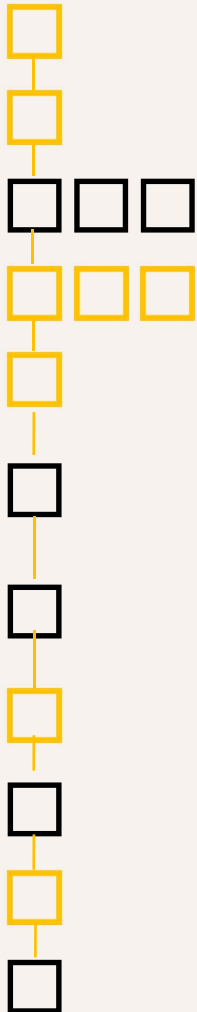
KC55	Stroke ± 2 (mm)					Retracted Length ± 2 (mm)			
Stroke	50	100	150	200	250	300	350	400	450
L	370	420	470	520	570	620	670	750	800

Remark:

Stroke & Retracted length:

- If stroke <300mm, Retracted length = stroke +320mm
Eg. Stroke 100mm, retracted length=420mm, extended length=520mm
- If stroke >=400mm, Retracted length = stroke +350mm
Eg. Stroke 400mm, retracted length=750mm, extended length=1150mm

HTKC55



Voltage	12=12V DC	24=24V DC		
Speed(mm/s)	Refer to Page 4			
Stroke(mm)				
Retracted Length(mm)	Refer to Page 4			
Load(n)	Refer to Page 4			
Front Attachment Refer to Page6	1 = Normal, dia 12.5mm	2 = Normal, dia 14.5mm		
	3 = U shape, width 8mm, dia 12.5mm	4 = U shape, width 8mm, dia 14.5		
	5 = O type, dia 12.5mm	6 = O type, dia 14.5mm		
Rear Attachment Refer to Page6	1 = normal, dia 12.5mm	2 = normal, dia 14.5mm		
Wire/Plug Refer to Page6	1 = stripped wire	2 = 4 pin 90° curved plug		
	3 = 4 pin 0° straight plug	4 = 6 pin 0° straight plug		
Screw	P = Trapezoidal			
Signal Output	N = No	H =Hall Sensor		
Signal Output	1 = 600mm	2 = 1000mm	3 = 1500mm	4 = customized
Eg.:				
voltage 12V DC, stroke 100MM, speed 4MM/s, load 5000N				
Code: HTKC55-12-4-100-420 / 520-A-1-1-1-P-N-1				

Statement

It is the user's responsibility to determine whether the licensed application is suitable for a particular product. However, as the research and development process continues to improve its product performance, GEMING can make modifications or changes without prior notice. Therefore, GEMING reserves the right to stop sales on the company's website, product catalog, terms of use or all other written information. All kinds of physical and chemical information can maintain the most accurate and true state.

KC55 Reference Chart for Attachment

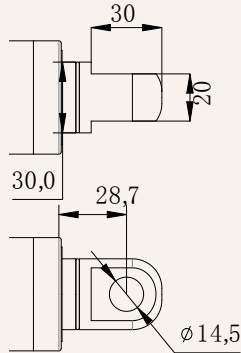
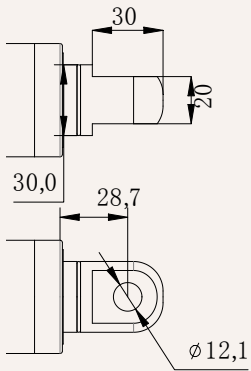
Front Attachment

1=Normal, Aperture 12.5

2=Normal, Aperture 14.5

3=U-type slot , width 6,
Depth 16.0, aperture 12.5

4=U-type slot , width 6,
Depth 16.0, aperture 14.5



5=

6=

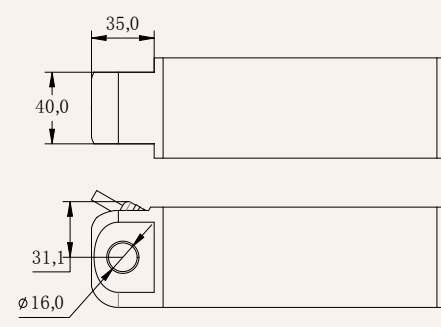
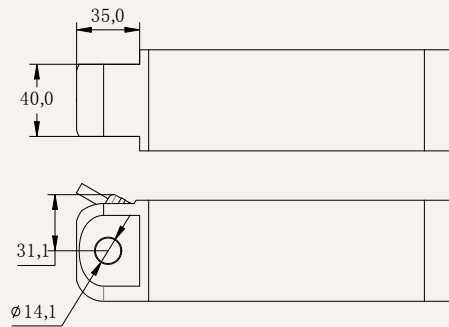
7=

8=

Rear Attachment

1=0 degree, Aperture 14.1

2=0 degree, Aperture 16.0



Wire / Plug

1= stripped wire

2 = 4 pin 90° curved plug

3 = 4 pin 0° straight plug

4 = 6 pin 0° straight plug

