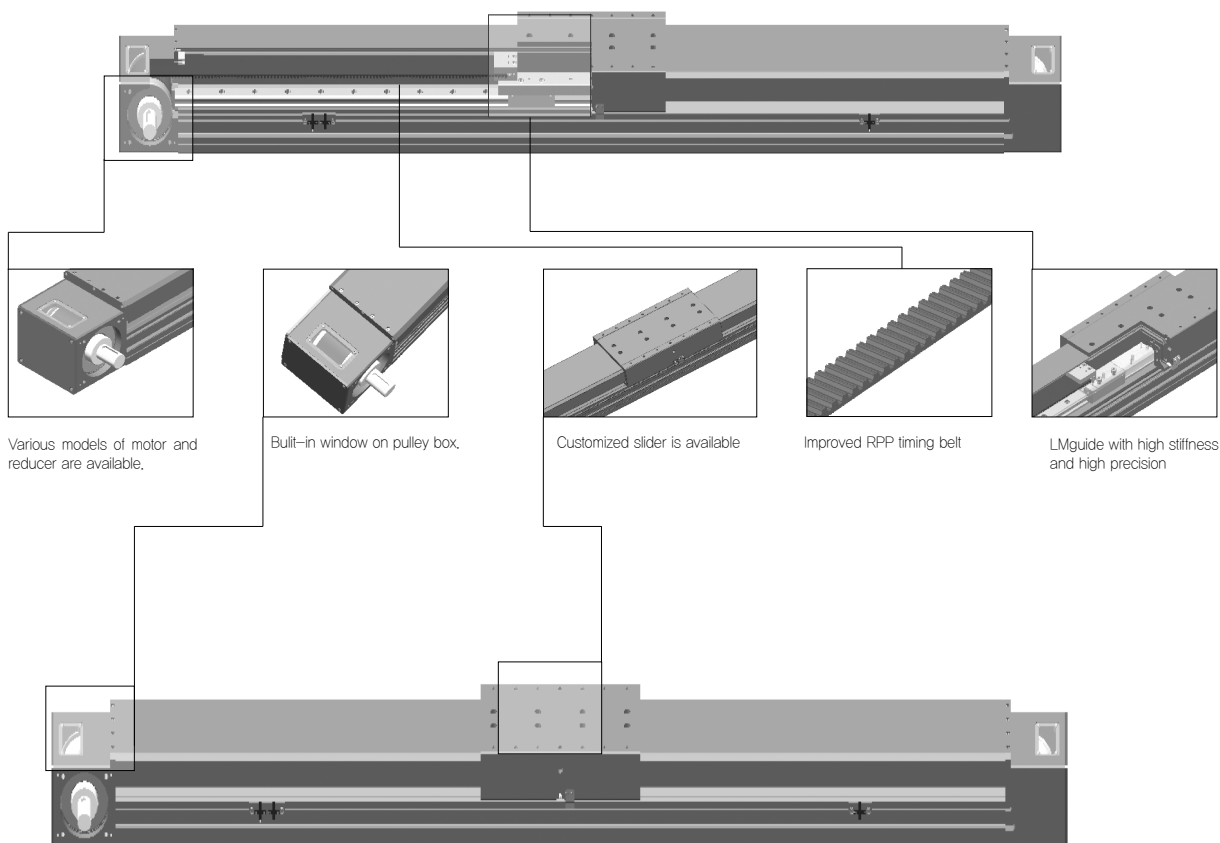


QBC series





Features

- LM Guide & Belt type unit
- Dust proof cover attached
- Compact design and high stiffness
- Various axis combination
- High tensile timing belt
- Customized options
- Easy maintenance

How to order

QBC 160 - 2600 - 0200 - C - E2 -

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series

② Model

160

※ Please contact us for customized LM

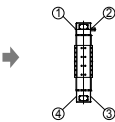
③ Stroke(unit:mm)

500 ~ 3500mm

※ Please contact us for longer stroke than standard

④ Drive version (0 : Standard 2 : Shaft type)

TYPE		MODEL
Pulley direction	Pulley type	160
0100		•
1100		•



※ Please contact us for customized pulley type

⑤ Color

Blank : White(outer)

L:White(outer) + LM raydent

B:Black(outer)

BL:Black(outer) + LM raydent

⑥ Sensor(dog included)

Blank: None

C:Photo sensor + Basic socket - Basic 3EA

CJ:C + Cable socket 2M - Basic 3EA

Other than basic :C(J)(Qty) Example)C2,CJ2

⑦ Bracket of reducer (including coupling)

Blank: None

TYPE		MODEL
SYMBOL	SIZE	
E1	90	•
E2	120	•
E3	142	•

Basic option : ATG, APLUS, SESAME

⑧ Customized code

Sensor

Model	Item number	Sensor and connector
160	SX672-PL	 EE-SX672 + EE1001
160	SX672-L-PL	 EE-SX672 + EE1006

Sensor dog

Model	Item number	Remarks
160	PDG-QBC160-PL	EE-SX672 only

Sensor bracket

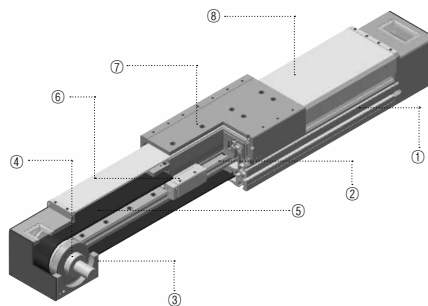
Model	Photosensor for single	Photo sensor for double
160	PBS-160-PL	PBSD-160-PL

QBC specifications

Specification	QBC 160	Remarks
Max speed (mm/s)	2000	
Payload (kgf)	300 (horizontal)	
Stroke (mm)	Max. 3500	* Please contact us for longer than 3500mm
Repeatability (mm)	± 0.05	
Diameter of pulley (mm)	Ø 99.31	
Pulley action perimeter (mm/rev)	314	
No load torque (Nm)	2.5	
Belt	RPP8 / W62	
LM Guide	NO.35 / 1 Rail 2 Block	* Please contact us fro over 2 blocks
Basic weight (kgf)	45.9	
Weight per 100mm stroke (kgf)	24.1	
Motor (W)	1000	
Size (mm, W x H)	160 x 170	

Note) Customized options such as motor, raydent and LM guide are available.

QBC structure



► Component list

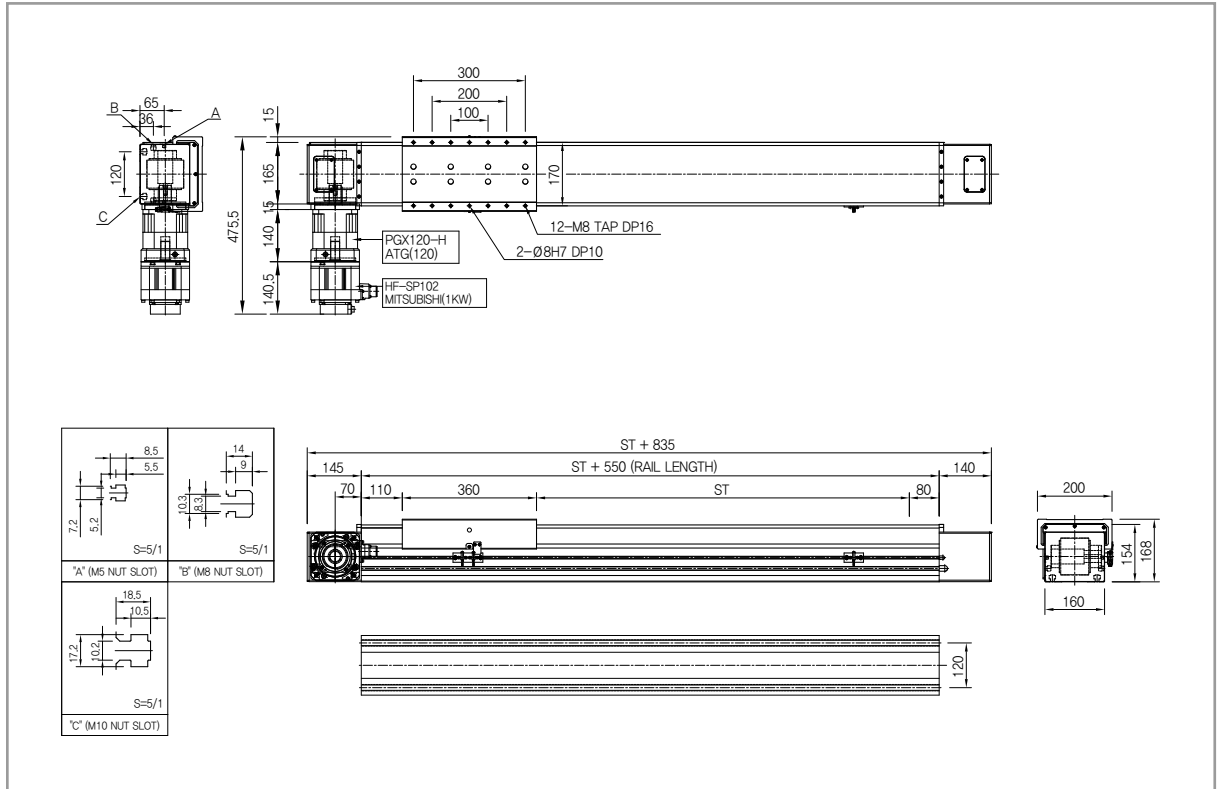
No	Component name		Material	No	Component name	Material
1	Rail		Aluminum alloy	5	Timing belt	Urethane
2	Model	Rail		6	Belt clip	Carbon steel
	160	No.35 / 1RAIL 2BLOCK				
3	Pulley box		Aluminum alloy	7	Slide block	Aluminum alloy
4	Timing pulley		High carbon steel	8	COVER	Aluminum alloy

QBC 160

Basic specifications

Model	Stroke (mm)	Gear Ratio	Speed (mm/s)	Motor (W)	Max. Payload(kg)	
					Horizontal(0.3G)	Horizontal(0.5G)
QBC 160	50~3500	20	520	1000	300	270
		10	1040		180	140
		5	2000	1500	80	50

QBE80



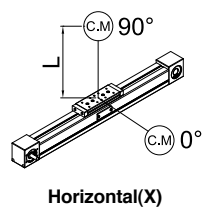
- Please contact us to change sensor or motor options.
- Customized tap or pin pitch on the bottom is available.

Weight & speed for each stroke

Stroke(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2500	3000	3500	4000	4500	5000	Gear ratio	Motor (W)	
Weight(kg)	69.9	72.3	74.7	77.1	79.5	81.9	84.3	86.7	89.1	91.5	93.9	105.9	117.9	129.9	141.9	153.9	165.9			
Max. Speed (mm/s)																		20	1000	
																		10		1500
																		5		

Note) The weight of motor and reducer is not included.

Allowable overhang distance



Gear Ratio	Payload	0°	90°
20	260 kg	30 mm	550 mm
	130 kg	70 mm	900 mm
10	160 kg	40 mm	700 mm
	80 kg	85 mm	1000 mm
5	80 kg	50 mm	600 mm
	40 kg	110 mm	1200 mm