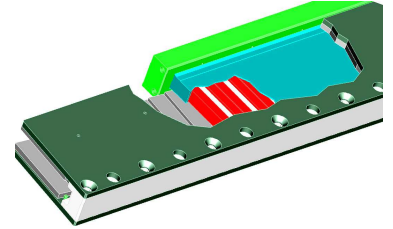


KUX10 Series (KLT, U-shape coreless, X-large size Rev10 for large capacity)



Motor Specifications

Items		Model	KUX10-2P	KUX10-3P	KUX10-4P
Force [N]	Continuous		1,186.4	1,779.6	2,372.8
	Peak		3,799.8	5,699.7	7,599.6
Current [A _{rms}]	Continuous		8.9	13.4	17.8
	Peak		28.5	42.8	57.1
Back EMF Const[V _{rms} /(m/s)]			44.3	44.3	44.3
Motor Constant[N/A _{rms}] <small>note1)</small>			133.0	133.0	133.0
Max. Velocity[m/s] <small>note2)</small>			1.3	1.3	1.3
Resistance [Ω] <small>note1)</small>			1.4	0.9	0.7
Inductance [mH] <small>note1)</small>			7.0	4.7	3.5
Attraction Force[N] <small>note3)</small>			0	0	0
Mover Weight [kg]			10.5	12.5	14.5

Note1) All Parameters indicate at phase level (3-phases, Y-connection, Phase-to-Neutral) at room temperature.

Note2) Motor Driver works for 3 phases with AC 200V~320V and maximum velocity is subjected to modified by DC link voltage.

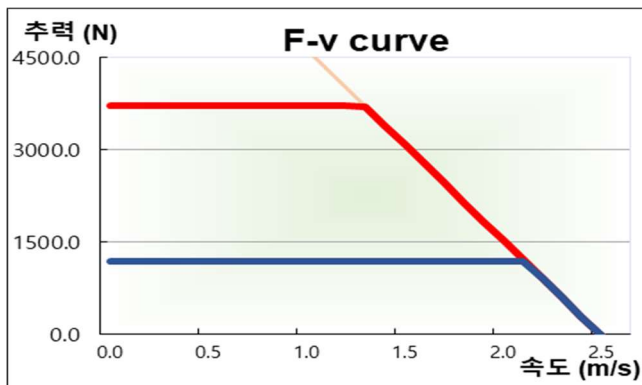
Note3) Magnetic attraction force is between the coils and the magnets through air-gap.

Force-Velocity Characteristics

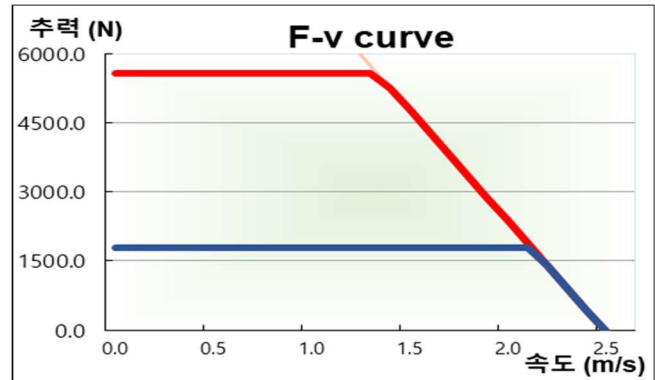
Rated Area

Peak Area

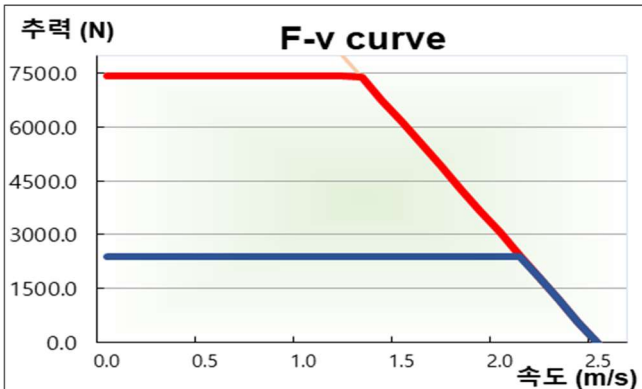
KUX10-2P



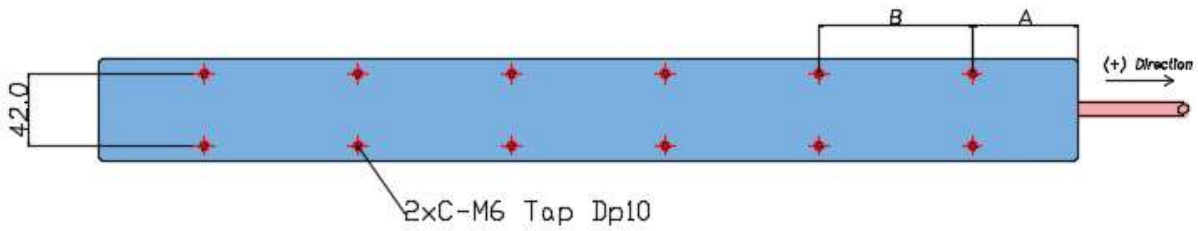
KUX10-3P



KUX10-4P

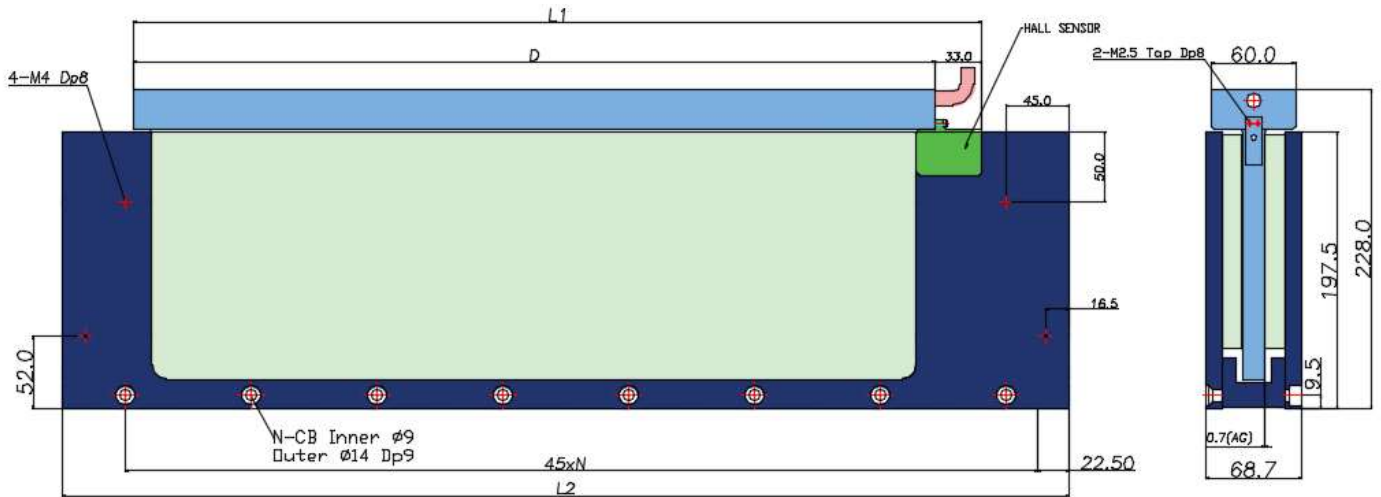


Outline Dimension



Model	A [mm]	B [mm]	C(Q'ty)	D [mm]	L1 [mm]
KUX10-2P	62.0	90.0	4	394.0	429.0
KUX10-3P	62.0	90.0	6	574.0	609.0
KUX10-4P	62.0	90.0	8	754.0	789.0

• KUX10-1P Models is available for special purpose.

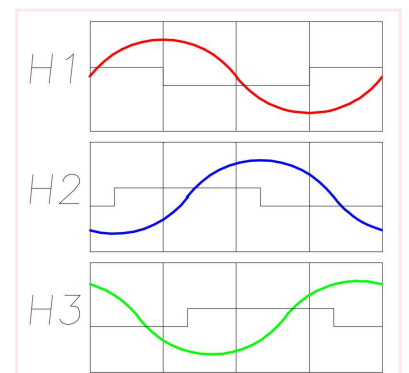


Model	L2 [mm]	N(Q'ty)	Weight [kg]	Pole Pitch
KUX10-90	90.0	2	4.4	45.0mm
KUX10-180	180.0	4	15.5	
KUX10-270	270.0	6	18.6	

• Pole Pitch is (N-S or S-N) magnet distance with 180 degrees.
 • Other model with specific length can be supplied for specific order.

Motor and Hall sensor Cables

Cables	Signals	Colors	Length
Motor Cable (AWG12)	U	Brown(Red)	STD: 0.6M OPTION: 1.0M, 1.5M, 2.0M, ETC
	V	Black(Brown)	
	W	Blue(Orange)	
	FG	Green(green)	
Hall Sensor Cable (AWG22)	+5V	Red	STD: 0.6M OPTION: 1.0M, 1.5M
	GND	Black	
	H1 (U)	Blue	
	H2 (V)	Green	
	H3 (W)	White	



* Hall Sensor phase at Back EMF.

• The Hall offset angle in each phase is 90 degree at falling edge.