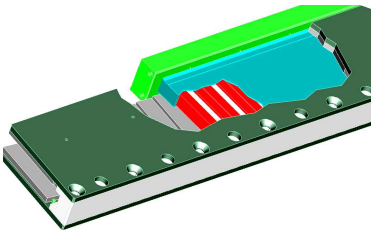
KUX Series (KLT, U-shape coreless, X-large size)



Motor Specifications

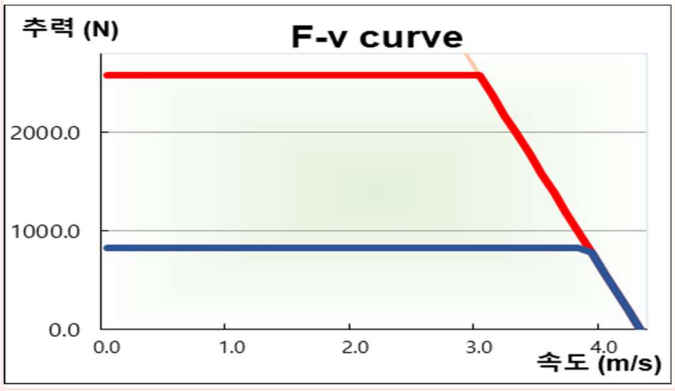
Items	Model	KUX-2P	KUX-3P	KUX-4P
Force [N]	Continuous	821.8	1,232.7	1,643.6
	Peak	2,626.8	3,940.2	5,253.6
Current [A_{rms}]	Continuous	6.8	10.2	13.6
	Peak	22.0	33.0	44.0
Back EMF Const[V_{rms}/(m/s)]		40.28	40.28	40.28
Motor Constant[N/A_{rms}] note1)		120.85	120.85	120.85
Max. Velocity[m/s] note2)		3.74	3.74	3.74
Resistance [Ω] note1)		1.8	1.2	0.9
Inductance [mH] note1)		7.7	5.1	3.8
Attraction Force[N] note3)		0	0	0
Mover Weight [kg]		6.5	9.3	12.7

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.

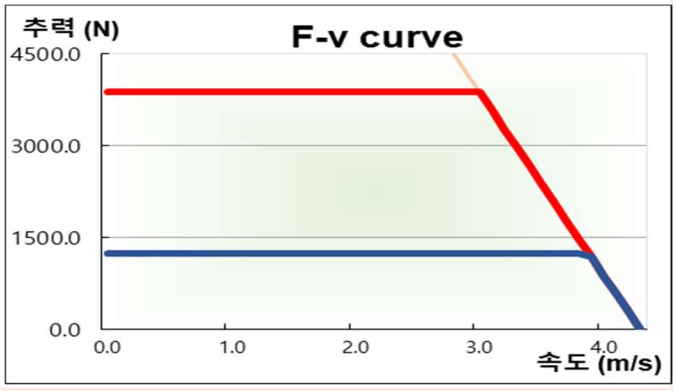
Force-Velocity Characteristics

Rated Area Peak Area

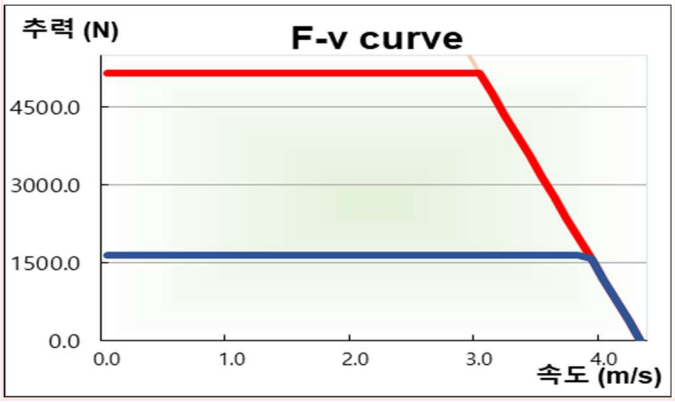
KUX-2P



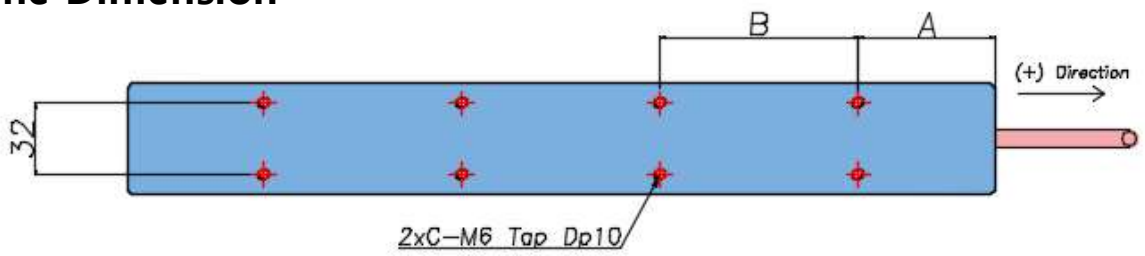
KUX-3P



KUX-4P

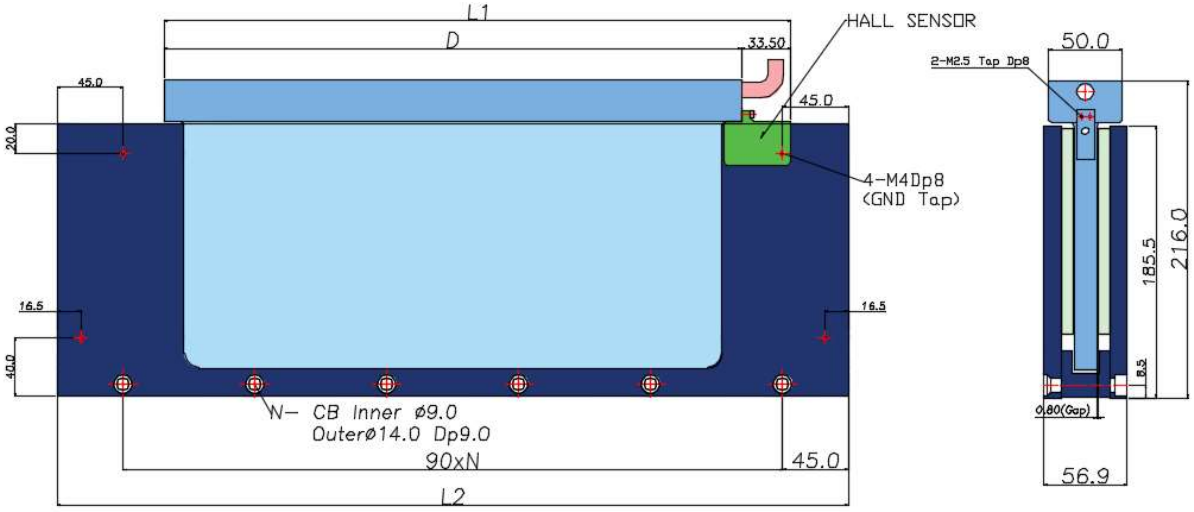


Outline Dimension



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

• **KUX-1P Models is available for special purpose.**



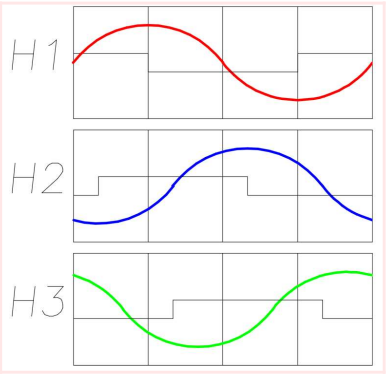
Model	L2 [mm]	N(Q'ty)	Weight [kg]	Pole Pitch
KUX-180	180.0	2	2.4	45.0mm
KUX-270	270.0	3	13.6	
KUX-360	360.0	4	16.6	

• 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 (AWG14)	U V W FG	Brown Black Blue Green	STD: 0.6M OPTION: 1.0M, 1.5M, 2.0M, ETC
Hall Sensor Cable (AWG22)	+5V GND H1 (U) H2 (V) H3 (W)	Red Black Blue Green White	STD: 0.6M OPTION: 1.0M, 1.5M

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



* Hall Sensor phase at Back EMF.