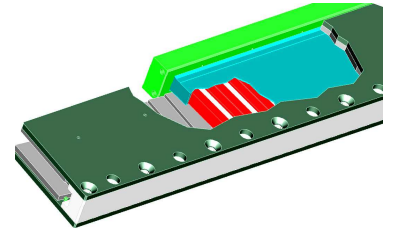


# KULE07 Series (KLT, U-shape coreless, Large size) (High Speed)



## Motor Specifications

\* KULE07은 전류를 낮추고 최대 속도를 높인 모델입니다.

Model		KULE07-2P	KULE07-3P	KULE07-4P	KULE07-5P	KULE07-6P
Force [N]	Continuous	395.0	592.5	790.0	987.5	1,185.0
	Peak	1,246.4	1,869.6	2,492.8	3,116.0	3,739.2
Current [A <sub>rms</sub> ]	Continuous	4.1	6.2	8.2	10.3	12.4
	Peak	13.0	19.5	26.0	32.5	38.9
Back EMF Const[V <sub>rms</sub> /(m/s)]		31.96	31.96	31.96	31.96	31.96
Motor Constant[N/A <sub>rms</sub> ] <sup>note1)</sup>		95.87	95.87	95.87	95.87	95.87
Max. Velocity[m/s] <sup>note2)</sup>		3.0	3.0	3.0	3.0	3.0
Resistance [Ω] <sup>note1)</sup>		3.3	2.2	1.7	1.3	1.1
Inductance [mH] <sup>note1)</sup>		10.0	6.7	5.0	4.0	3.3
Attraction Force[N] <sup>note3)</sup>		0	0	0	0	0
Mover Weight [kg]		4.8	6.8	8.3	9.9	11.1

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

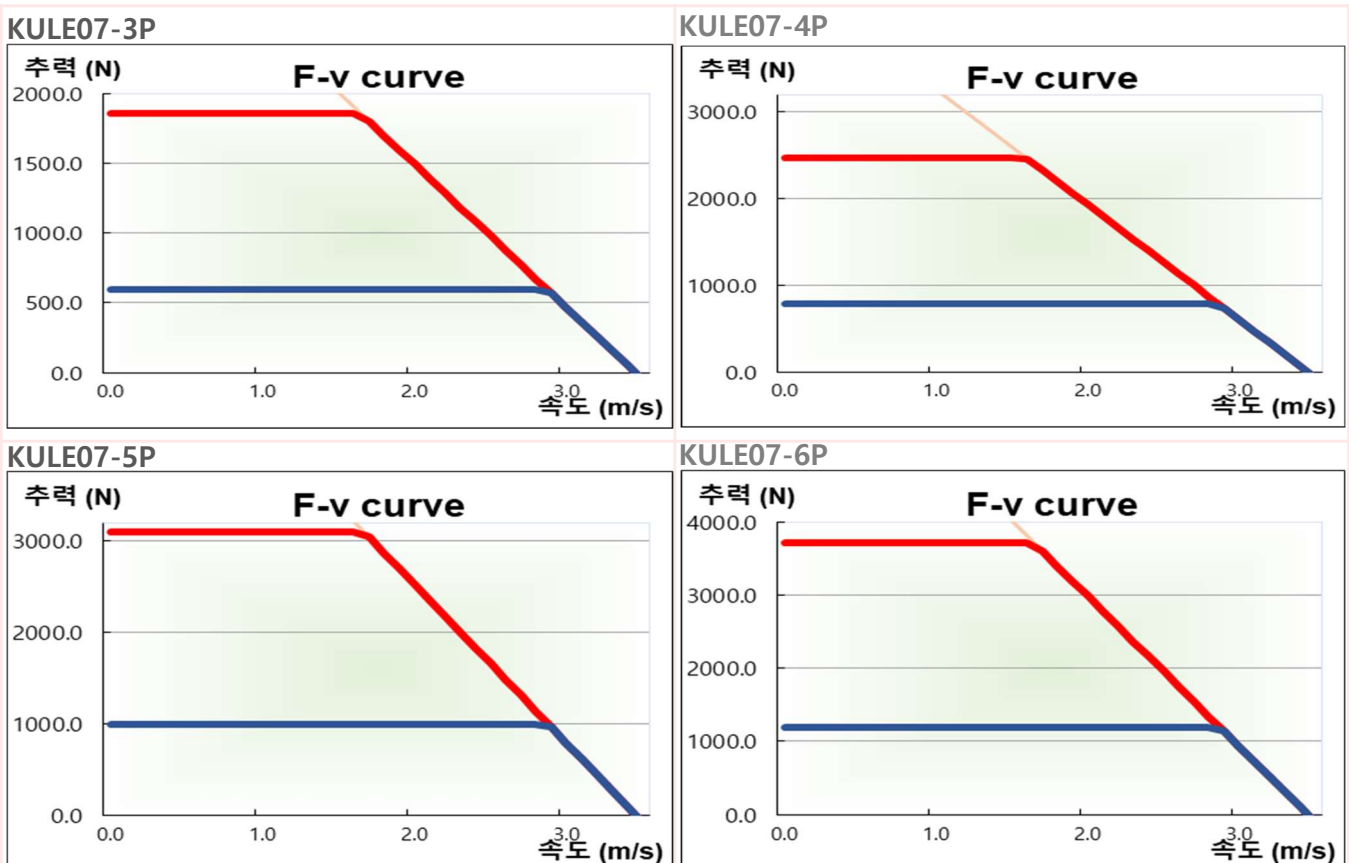
Note2) Motor Driver works for 3 phases with AC 200V~320V and maximum velocity is subjected to modified by DC link voltage.

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

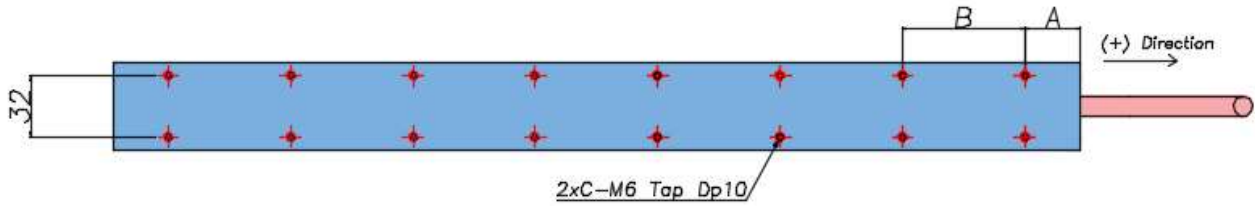
## Force-Velocity Characteristics

Rated Area

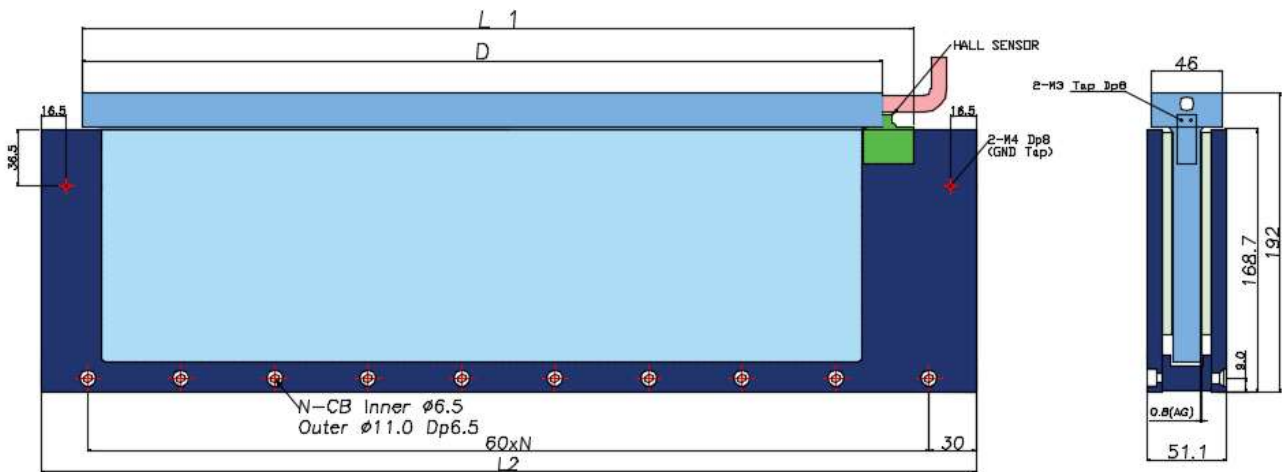
Peak Area



## Outline Dimension



Model	A [mm]	B [mm]	C(Q'ty)	D [mm]	L1 [mm]
KULE07-2P	29.5	65.0	4	274.0	293.5
KULE07-3P	29.5	65.0	6	394.0	413.5
KULE07-4P	29.5	65.0	8	514.0	533.5
KULE07-5P	29.5	65.0	10	634.0	653.5
KULE07-6P	29.5	65.0	12	754.0	773.5

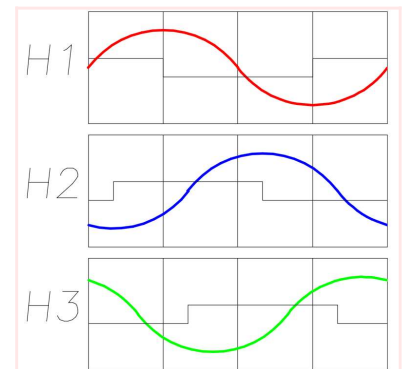


Model	L2 [mm]	N(Q'ty)	Weight [kg]	Pole Pitch
KULE-120	120.0	2	2.0	30.0mm
KULE-180	180.0	3	7.0	
KULE-300	300.0	5	12.2	
KULE-360	360.0	6	14.9	

- 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	Brown	STD: 0.6M OPTION: 1.0M, 1.5M, 2.0M, ETC
	V	Black	
	W	Blue	
	FG	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.