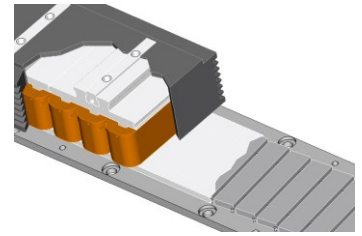


KPS06 Series (KLT, Platen core, Small size) (High Speed)



Motor Specifications

Items		Model	KPS06-2P	KPS06-3P	KPS06-4P	KPS06-5P
Force [N]	Continuous		171.4	257.1	342.8	428.5
	Peak		447.8	671.7	895.6	1,119.5
Current [A _{rms}]	Continuous		3.3	4.9	6.6	8.2
	Peak		10.2	15.3	20.3	25.4
Back EMF Const[V _{rms} /(m/s)]			17.42	17.42	17.42	17.42
Motor Constant[N/A _{rms}] ^{note1)}			52.26	52.26	52.26	52.26
Max. Velocity[m/s] ^{note2)}			5.3	5.3	5.3	5.3
Resistance [Ω] ^{note1)}			1.3	0.9	0.7	0.5
Inductance [mH] ^{note1)}			11.0	7.3	5.5	4.4
Attraction Force[N] ^{note3)}			688.0	1,032.0	1,376.0	1,720.0
Mover Weight [kg]			1.5	2.3	3.1	3.9

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

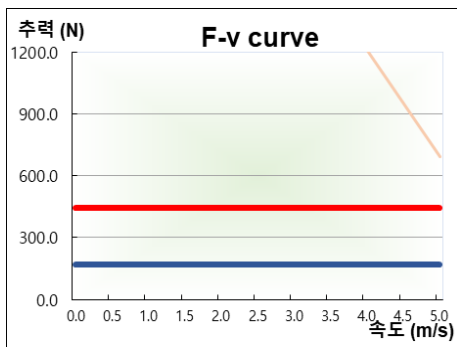
Note2) Motor Driver works for 3 phases with AC 220V and maximum velocity is subjected to modified by DC link voltage.

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

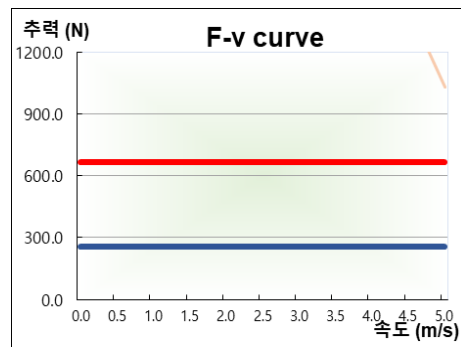
Force-Velocity Characteristics

Rated Area █ Peak Area

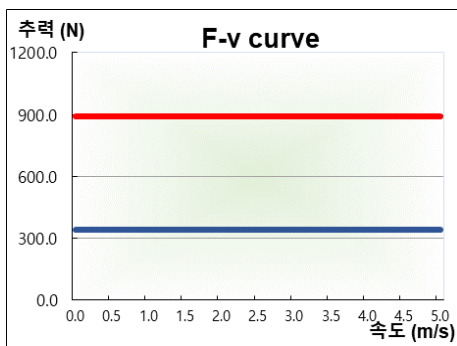
KPS06-2P



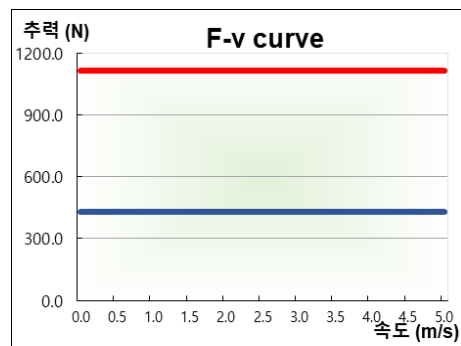
KPS06-3P



KPS06-4P

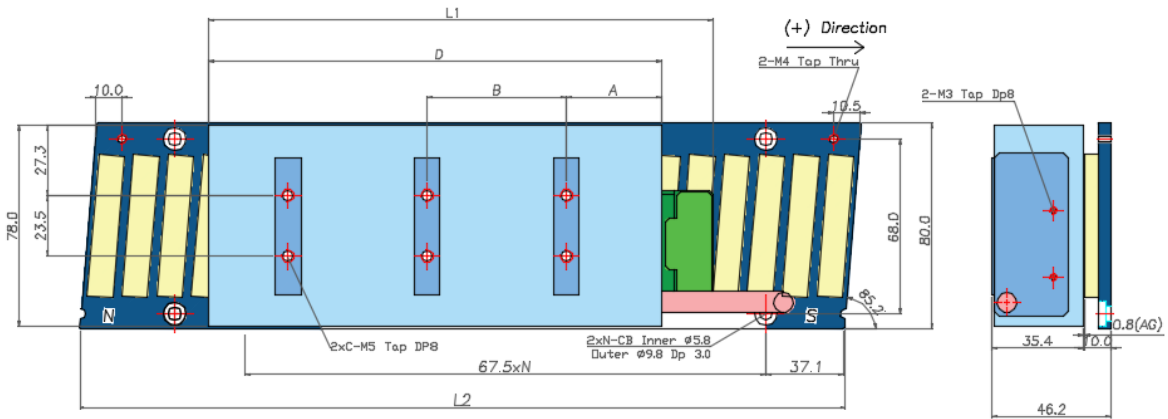


KPS06-5P



Outline Dimension

Model	A [mm]	B [mm]	C(Q'ty)	D [mm]	L1 [mm]
KPS06-2P	37.0	54.0	2	122.0	142.0
KPS06-3P	37.0	54.0	3	176.0	196.0
KPS06-4P	37.0	54.0	4	230.0	250.0
KPS06-5P	37.0	54.0	5	284.0	304.0

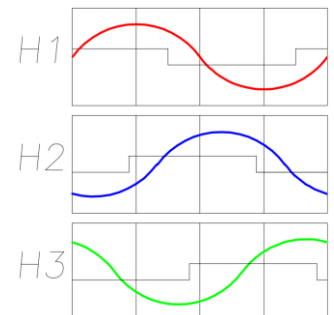


Model	L2 [mm]	N(Q'ty)	Weight [kg]	Pole Pitch [mm]
KPS-135	135.0	1	0.8	13.5
KPS-270	270.0	3	1.2	
KPS-540	540.0	7	2.4	

- Other models with special length are available.
- Pole Pitch is (N-S or S-N) magnet distance with 180 degrees.
- Stators between KPS & KPS06 are same.

Motor and Hall sensor Cables

Cables	Signals	Colors	Length
Motor Cable (AWG18)	U	Red	STD: 0.6M OPTION: 1.0M, 1.5M, 2.0M, ETC
	V	Blue	
Thermistor	W	Yellow	STD: 0.6M OPTION: 1.0M, 1.5M
	FG	Green	
		Gray/Violet	
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.