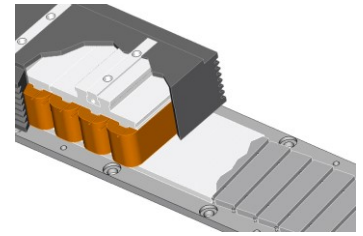


NEW

K92 Series (KLT, 92series Core Type Motor)



Motor Specifications

Items		Model	K92-1P	K92-2P	K92-3P	K92-4P
Force [N]	Continuous		238.7	477.4	716.1	954.8
	Peak		594.1	1,188.4	1,782.6	2,376.8
Current [A _{rms}]	Continuous		3.2	6.3	9.5	12.6
	Peak		10.1	20.2	30.3	40.4
Back EMF Const[V _{rms} /(m/s)]			25.2	25.2	25.2	25.2
Motor Constant[N/A _{rms}] ^{note1)}			75.5	75.5	75.5	75.5
Max. Velocity[m/s] ^{note2)}			3.9	3.9	3.9	3.9
Resistance [Ω] ^{note1)}			2.0	1.0	0.67	0.5
Inductance [mH] ^{note1)}			41.3	20.7	13.8	10.3
Attraction Force[N] ^{note3)}			939.3	1878.6	2817.9	3757.2
Mover Weight [kg]			2.9	5.8	8.7	11.3

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

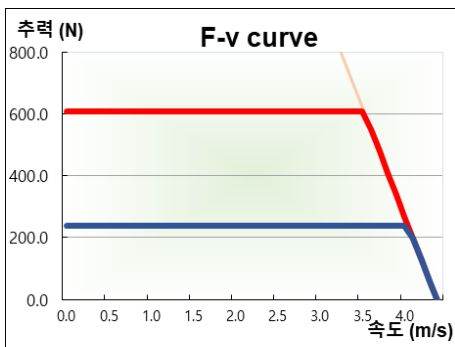
Note2) Motor Driver works for 3 phases with AC 220V ~ 380V and maximum velocity is subjected to modified by DC link voltage.

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

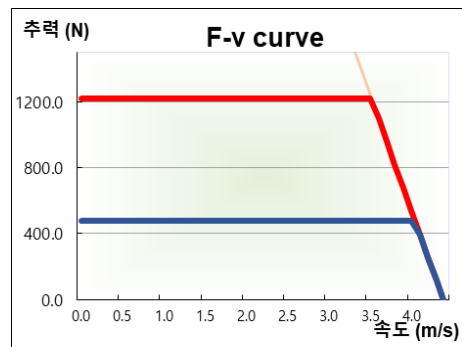
Force-Velocity Characteristics

■ Rated Area ■ Peak Area

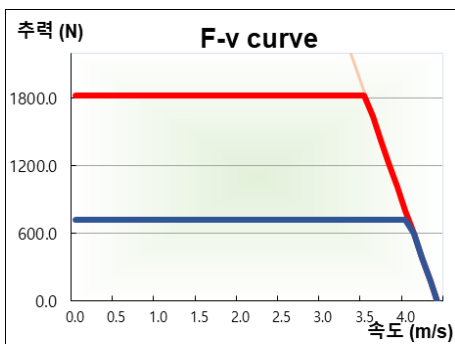
K92-1P



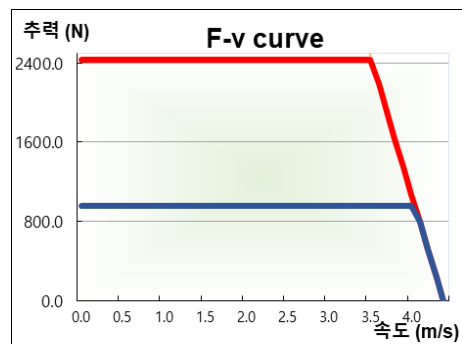
K92-2P



K92-3P



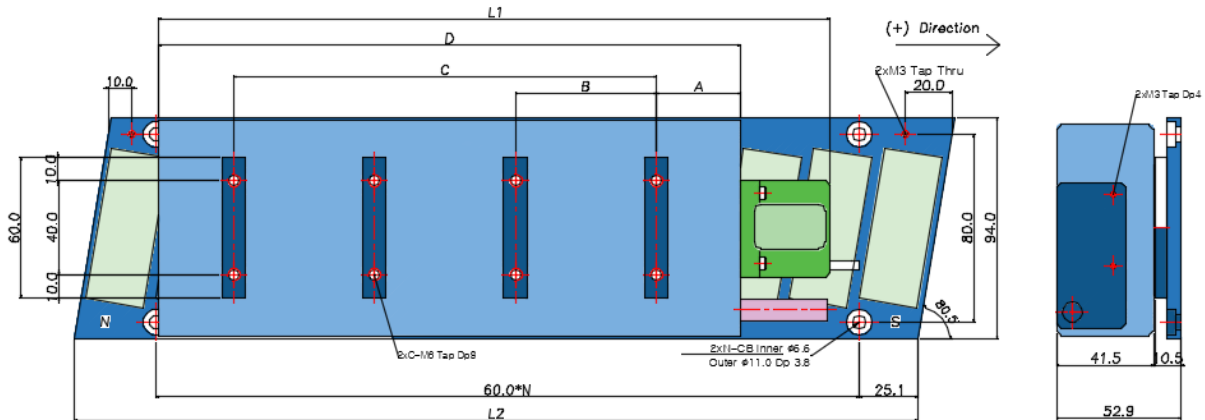
K92-4P



Outline Dimension

Model	A [mm]	B [mm]	C(Q'ty)	D [mm]	L1 [mm]
K92-1P	36.0	60.0	2	128.0	166.4
K92-2P	36.0	60.0	3	248.0	286.4
K92-3P	36.0	60.0	4	368.0	406.4
K92-4P	36.0	60.0	5	488.0	526.4

• K92-5P Model is available for special purpose.

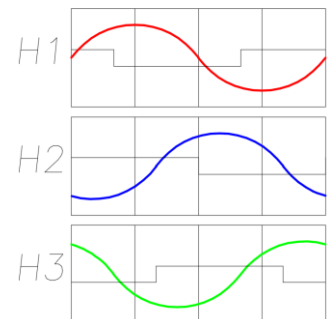


Model	L2 [mm]	N(Q'ty)	Weight [kg]	Pole Pitch [mm]
K92-180	180.0	2	1.1	30.0
K92-240	240.0	3	1.4	
K92-540	540.0	8	2.8	

- Other models with special length are available.
- Pole Pitch is (N-S or S-N) magnet distance with 180 degrees.

Motor and Hall sensor Cables

Cables	Signals	Colors	Length
Motor Cable (AWG16)	U	Red	STD: 0.6M OPTION: 1.0M, 1.5M, 2.0M, ETC
	V	Blue	
Hall Sensor Cable (AWG22)	W	Yellow	STD: 0.6M OPTION: 1.0M, 1.5M
	FG	Green	
	Thermistor	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	



• The Hall offset angle in each phase is 60 degree at falling edge.

* Hall Sensor phase at Back EMF.