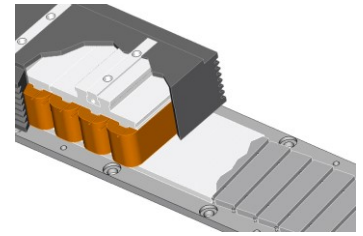


NEW

# K67 Series (KLT, 67series Core type Motor)



## Motor Specifications

Items		Model	K67-1S	K67-2S	K67-3P	K67-2S2P
Force [N]	Continuous		88.2	176.4	264.6	352.8
	Peak		275.0	550.0	825.0	1,100.0
Current [A <sub>rms</sub> ]	Continuous		2.1	2.1	6.3	4.2
	Peak		7.2	7.2	21.6	14.4
Back EMF Const[V <sub>rms</sub> /(m/s)]			14.0	28.0	14.0	28.0
Motor Constant[N/A <sub>rms</sub> ] <sup>note1)</sup>			42.0	84.0	42.0	84.0
Max. Velocity[m/s] <sup>note2)</sup>			7.2	3.4	7.2	3.4
Resistance [Ω] <sup>note1)</sup>			2.0	4.0	0.8	2.0
Inductance [mH] <sup>note1)</sup>			12.8	25.6	4.3	12.8
Attraction Force[N] <sup>note3)</sup>			505.8	1,011.6	1,517.4	2,023.2
Mover Weight [kg]			0.86	1.44	2.0	2.6

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

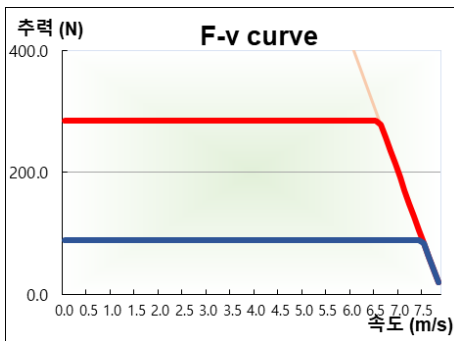
Note2) Motor Driver works for 3 phases with AC 220V and maximum velocity is subjected to modified by DC link voltage.

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

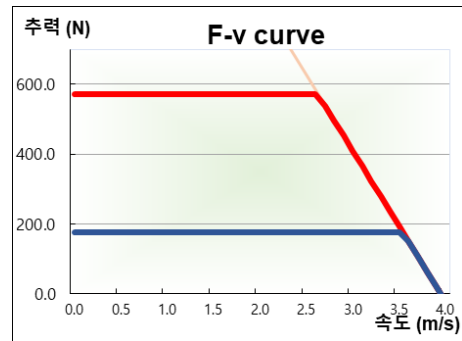
## Force-Velocity Characteristics

■ Rated Area    ■ Peak Area

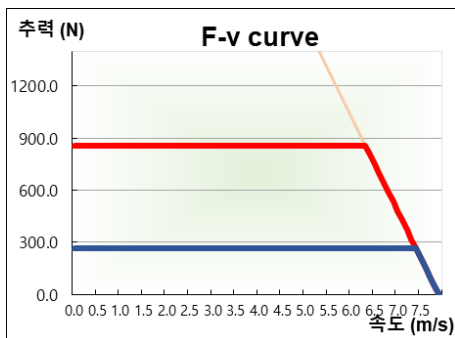
K67-1S



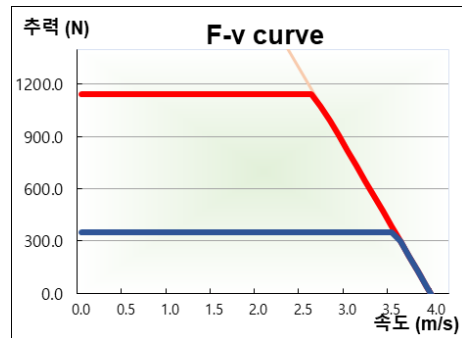
K67-2S



K67-3P

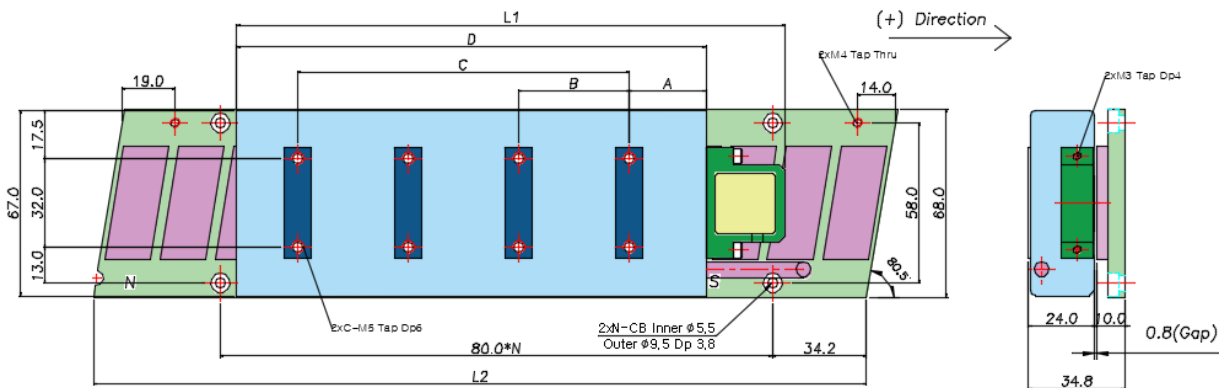


K67-2S2P



## Outline Dimension

Model	A [mm]	B [mm]	C(Q'ty)	D [mm]	L1 [mm]
K67-1S	28.0	40.0	2	90.0	118.5
K67-2S	28.0	40.0	4	170.0	198.5
K67-3P	28.0	40.0	6	250.0	278.5
K67-2S2P	28.0	40.0	8	330.0	358.5

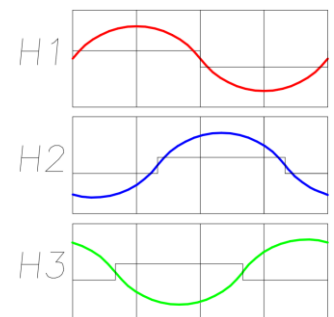


Model	L2 [mm]	N(Q'ty)	Weight [kg]	Pole Pitch [mm]
K67-160	120.0	2	0.8	20.0
K67-240	240.0	3	0.9	
K67-320	320.0	4	1.2	

- 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 (AWG18)	U V W FG	Red White Black 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 180 degree at falling edge.

\* Hall Sensor phase at Back EMF.