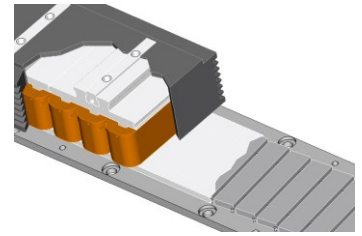


# KPXE Series (KLT, Platen core, X-large size) (Economic Type)



## Motor Specifications

\* KPXE-5P 모델은 특수 모델입니다.

Items		Model	KPXE-2P	KPXE-3P	KPXE-4P	KPXE-5P
Force [N]	Continuous		1,058.6	1,587.9	2,117.2	2,646.5
	Peak		3,074.6	4,611.9	6,149.2	7,686.5
Current [A <sub>rms</sub> ]	Continuous		6.0	9.0	12.0	15.0
	Peak		19.2	28.8	38.4	48.0
Back EMF Const[V <sub>rms</sub> /(m/s)]			58.81	58.81	58.81	58.81
Motor Constant[N/A <sub>rms</sub> ] <sup>note1)</sup>			176.43	176.43	176.43	176.43
Max. Velocity[m/s] <sup>note2)</sup>			1.1	1.1	1.1	1.1
Resistance [Ω] <sup>note1)</sup>			1.8	1.2	0.9	0.7
Inductance [mH] <sup>note1)</sup>			29.4	19.6	14.7	11.7
Attraction Force[N] <sup>note3)</sup>			5,454.2	8,181.3	10,908.4	13,635.5
Mover Weight [kg]			16.8	20.4	26.6	30.2

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

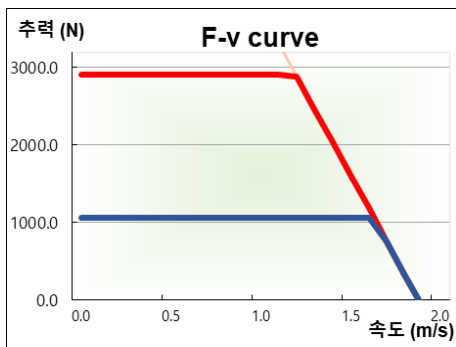
Note2) Motor Driver works for 3 phases with AC 220V ~ 380V and maximum velocity is subjected to modified by DC link voltage.

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

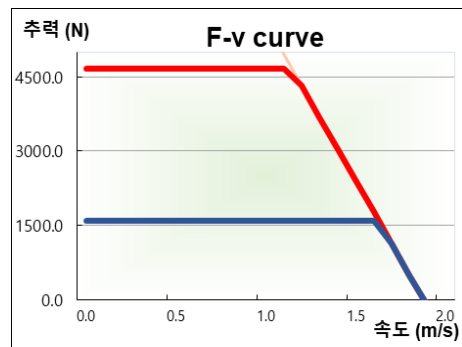
## Force-Velocity Characteristics

■ Rated Area    ■ Peak Area

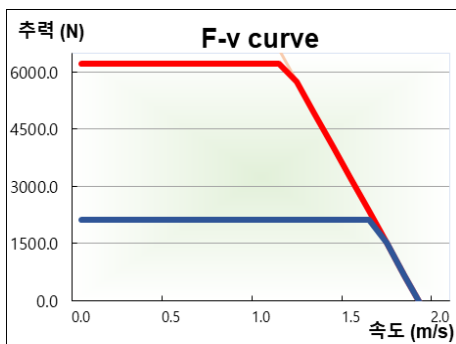
KPXE-2P



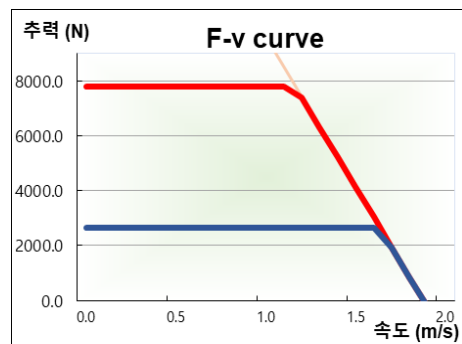
KPXE-3P



KPXE-4P



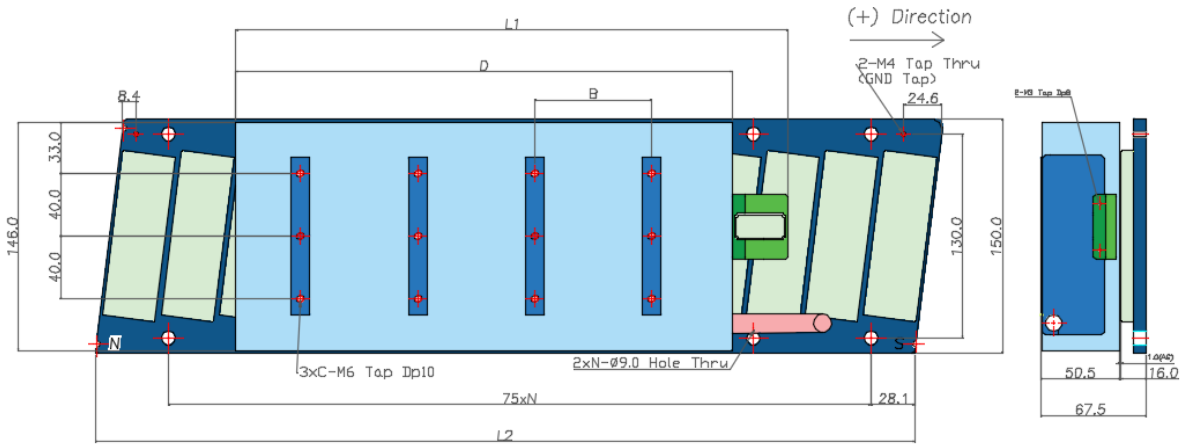
KPXE-5P



## Outline Dimension

Model	A [mm]	B [mm]	C(Q'ty)	D [mm]	L1 [mm]
KPXE-2P	51.5	75.0	4	318.0	354.0
KPXE-3P	51.5	75.0	6	468.0	504.0
KPXE-4P	51.5	75.0	8	618.0	654.0
KPXE-5P	51.5	75.0	8	768.0	804.0

•KPXE-1P and KPXE-2S3P Models are available for special purpose.

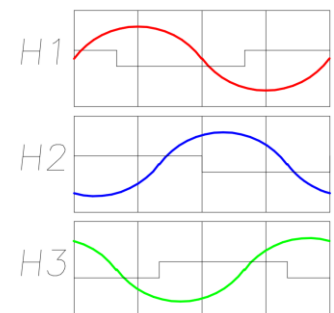


Model	L2 [mm]	N(Q'ty)	Weight [kg]	Pole Pitch [mm]
KPXE-75	75.0	1	1.5	37.5
KPXE-150	150.0	2	2.9	
KPXE-225	225.0	3	3.8	
KPXE-300	300.0	4	4.7	

- Pole Pitch is (N-S or S-N) magnet distance with 180 degrees.
- KPXE-450 model can be supplied for specific order.

## Motor and Hall sensor Cables

Cables	Signals	Colors	Length
Motor Cable (AWG14)	U V W FG	Brown Black Gray(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 60 degree at falling edge.

\* Hall Sensor phase at Back EMF.