

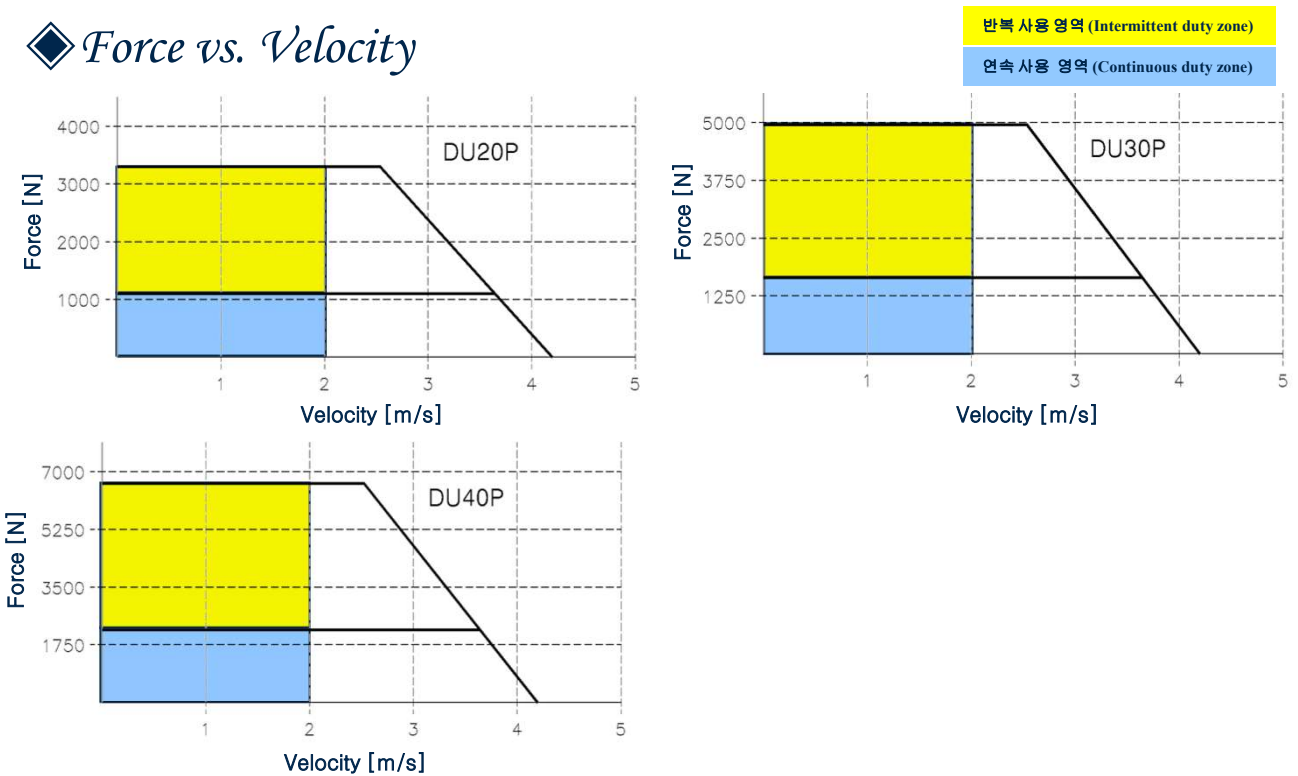
SWL – DU00

◆ Specifications

		Unit	DU20	DU30	DU40
Continuous	Force	N	1100	1650	2200
	Current	A_{rms}	12.7	19.1	25.4
Max.	Force	N	3300	4950	6600
	Current	A_{rms}	38	57	76
Force Constant (K_f)		N/ A_{rms}	90.9	90.9	90.9
Back EMF Constant (K_e)		$V_{rms}/(m/s)$	30.3	30.3	30.3
Electrical Time Constant		msec	0.3	0.2	0.15
Resistance (L to L)		Ω	2.4	1.6	1.2
Inductance (L to L)		mH	8.1	5.4	4.05
Mover Weight		Kg	5.6	8.3	11

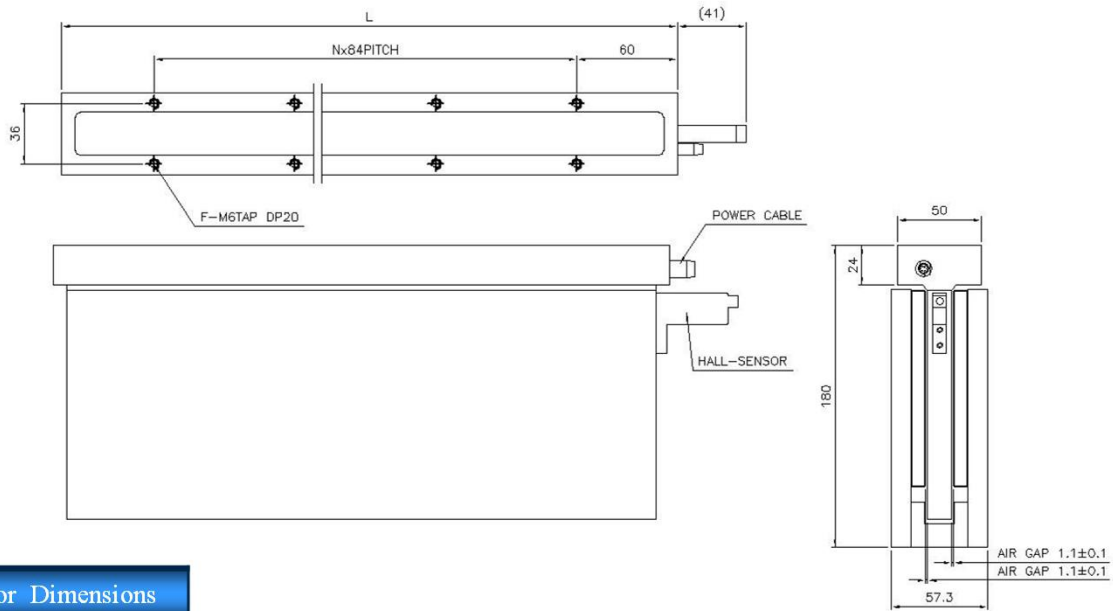
© Magnet Pole pitch(N-N) : 84mm, Stator Weight : 46.3kg/m

◆ Force vs. Velocity

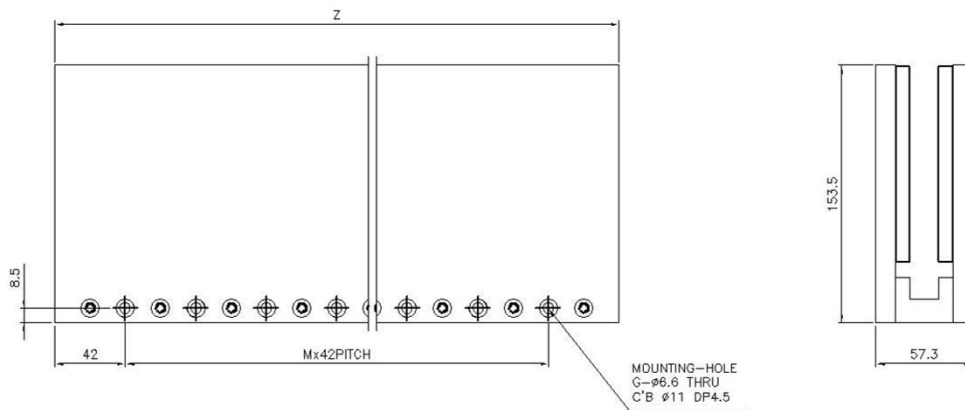


◆ Mechanical Dimensions (Unit : mm)

Mover Dimensions



Stator Dimensions



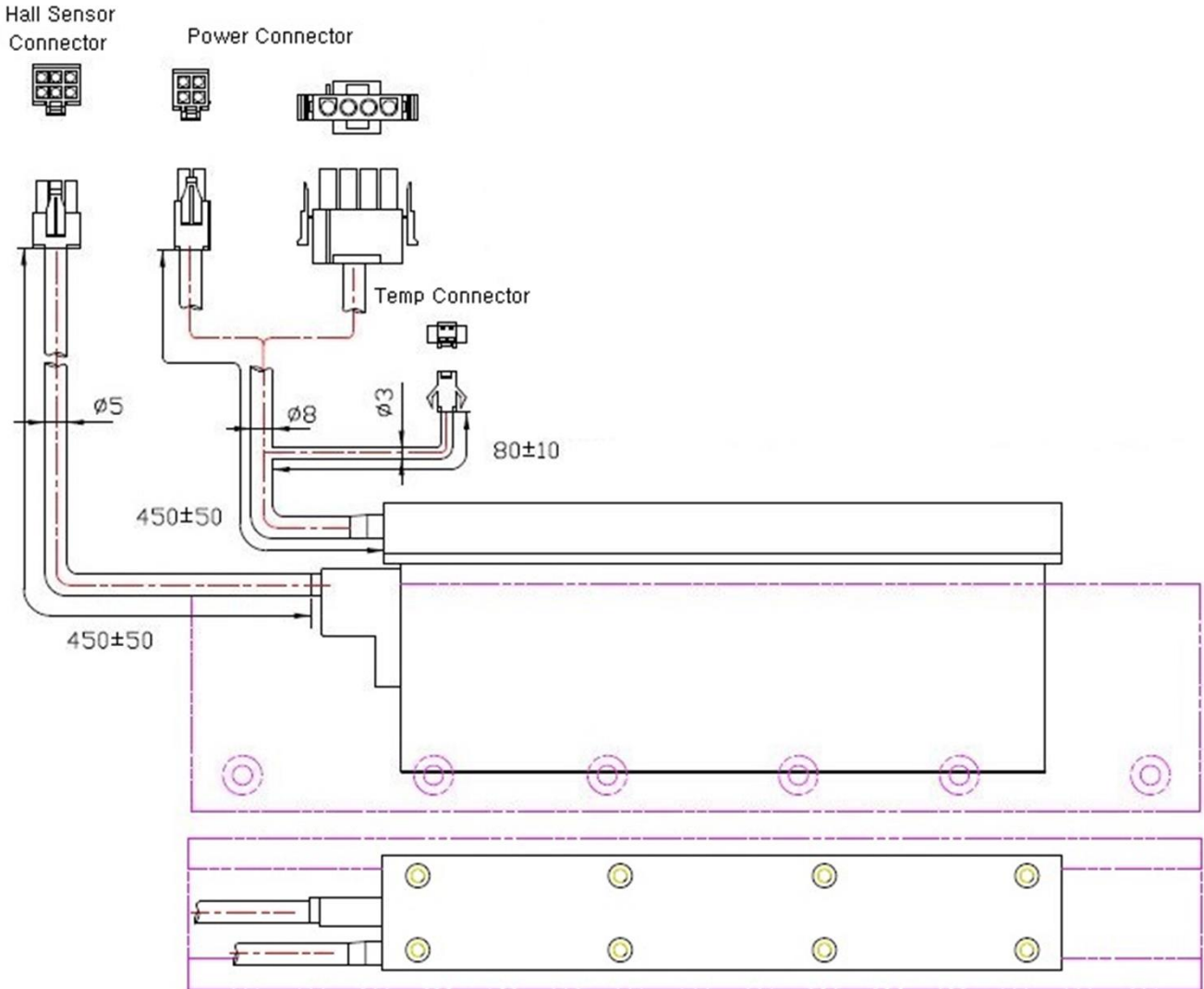
● Mover

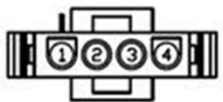


MODEL SWL-DU	L	N	F
20	367	3	8
30	535	5	12
40	703	7	16

● Stator

MODEL SWL-DU	Z	M	G
252	252	4	5
336	336	6	7

Motor Connector Type



Power Connector		Hall Sensor & Temperature Connector			
DL / DE / DU20,30 DU40 	Housing	AMP350779-1		Housing	MOLEX5557D-06R
	Pin	AMP350561-3 AMP350922-6		Pin	MOLEX5556
	1	U(Red)		1	HA(Orange)
	2	V(Yellow)		2	HB(White)
	3	W(Blue)		3	HC(Blue)
4	FG(Green)	4		5P(Red)	
DMI / DS / DM 	Housing	AMP172167-1	5	5G(Black)	
	Pin	AMP170360-1	6	SHILED	
	1	U(Red)	Housing	JST SMP-02V	
	2	V(Yellow)	Pin	JST SHF-011T-0.8	
	3	W(Blue)	1	TEMP(Black)	
4	FG(Green)	2	TEMP(Black)		