

Stand-alone Belt-type Stepless Speed Changer

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Speed Is Changed by Operating the Handle

Transmission capacity	0.2 kW to 2.2 kW
Speed change ratio	1:2 to 1:6
External pulley diameter	103 mm to 260 mm



Speed Changer with Handle

The speed change ratio is large and the belt travel line is maintained constant.

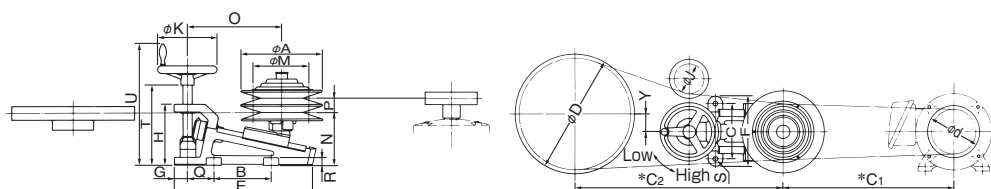
How to Place an Order

UB-160
Model ——— Size

Specifications

Model		UB-160						UC-210			UC-260						
Belt in use		A belt x1			B belt x1			B belt x1			B belt x1			C belt x1			
Speed change ratio		1 : 5		1 : 3				1 : 6			1:6			1 : 3			
Transmission capacity [kW]		0.4 ~ 0.75						0.75			1.5 ~ 2.2						
Driven shaft rotation speed		Max.	Intermediate	Min.	Max.	Intermediate	Min.	Max.	Intermediate	Min.	Max.	Intermediate	Min.	Max.	Intermediate	Min.	
Transmission capacity [kW]	Motor pulley's external diameter [in.]	3½	0.45	0.67	0.2	0.52	0.52	0.52	0.52	0.52	0.3	0.52	0.52	0.45			
		4	0.52	0.9	0.26	0.67	0.67	0.52	0.67	0.67	0.33	0.67	0.67	0.48			
		4½	0.6	1.12	0.3	0.9	1.05	0.56	0.82	1.05	0.37	1.05	1.05	0.56			
		5	0.67	1.27	0.33	0.97	1.42	0.6	0.9	1.42	0.41	1.27	1.42	0.63	1.35	1.35	1.35
		5½	0.75	1.37	0.37	1.05	1.57	0.63	0.97	1.8	0.45	1.42	1.8	0.71			
		6	0.82	1.42	0.37	1.2	1.65	0.67	1.05	2.25	0.52	1.5	2.25	0.75	2.25	3.0	1.35
		6½							1.2	2.4	0.6	1.6	2.62	0.82			
7							1.35	2.47	0.67	1.8	3.0	0.9		2.4	3.37	1.42	
	8													2.55	4.5	1.5	
Mass [kg]		14			14			20			34			34			

Dimensions



Unit [mm]																				
Model	A	B	C	E	F	G	H	J	K	N	P	Q	R	S	T	U	M	O	Number of handle turns	Movement distance
UB-160	170	120	115	295	145	30	125	70	125	108	29	56	15	11.5	175	270	116 127	190	24 17	75 53
UC-210	212	140	150	350	180	30	140	70	140	118	37	85	16	11.5	202	298	142	225	30	92
UC-260	260	160	160	415	200	30	157	70	160	154	43	107	17	14	246	363	174 188	250	37 29	116 82

* Calculate C₁ and C₂ indicated by * by reference to Items Checked for Design Purposes.

* M: Medium pitch diameter

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