

Model Code and Basic Performance Specifications

WP	C	-	35	-	50	-	CN	-	**
* Specifications: Input shaft diameter, etc.									
Code: CN, CF, SN, SNH, SNJ									
Ratio: 50, 80, 100, 120									
Size: 35, 42, 50, 63, 80									
C: Component type S: Simple unit type U: Unit type									
Type									
Model name: WP series									

Frame Size

Size/Ratio	1/50	1/80	1/100	1/120
35				
42				
50				
63				
80				

Reducer Specifications

Size	Ratio	Nominal Output Torque *1	Maximum Output Torque *2	Emergency Stop Torque *3	Nominal Input Speed *4	Maximum Input Speed *5	Permitted Axial Load *6
		Nm	Nm	Nm	r/min	r/min	×10 ⁻⁴ kgm ²
35	50	7	23	46	3000	8500	0.027
	80	9	27	55			
	100	9	32	63			
42	50	21	44	91	3000	7300	0.055
	80	26	50	102			
	100	28	63	129			
	120	28	63	129			
50	50	33	73	127	3000	6500	0.158
	80	40	86	149			
	100	47	96	172			
	120	47	96	172			
63	50	51	127	242	3000	5600	0.385
	80	66	142	266			
	100	70	163	295			
	120	70	163	295			
80	50	89	253	447	3000	4800	1.03
	80	122	316	590			
	100	142	346	673			
	120	142	346	673			

*1) The maximum value allowable at the input rotation speed of 2000r/min

*2) The maximum torque when starting and stopping

*3) The maximum torque when it receives shock

*4) The maximum average input speed

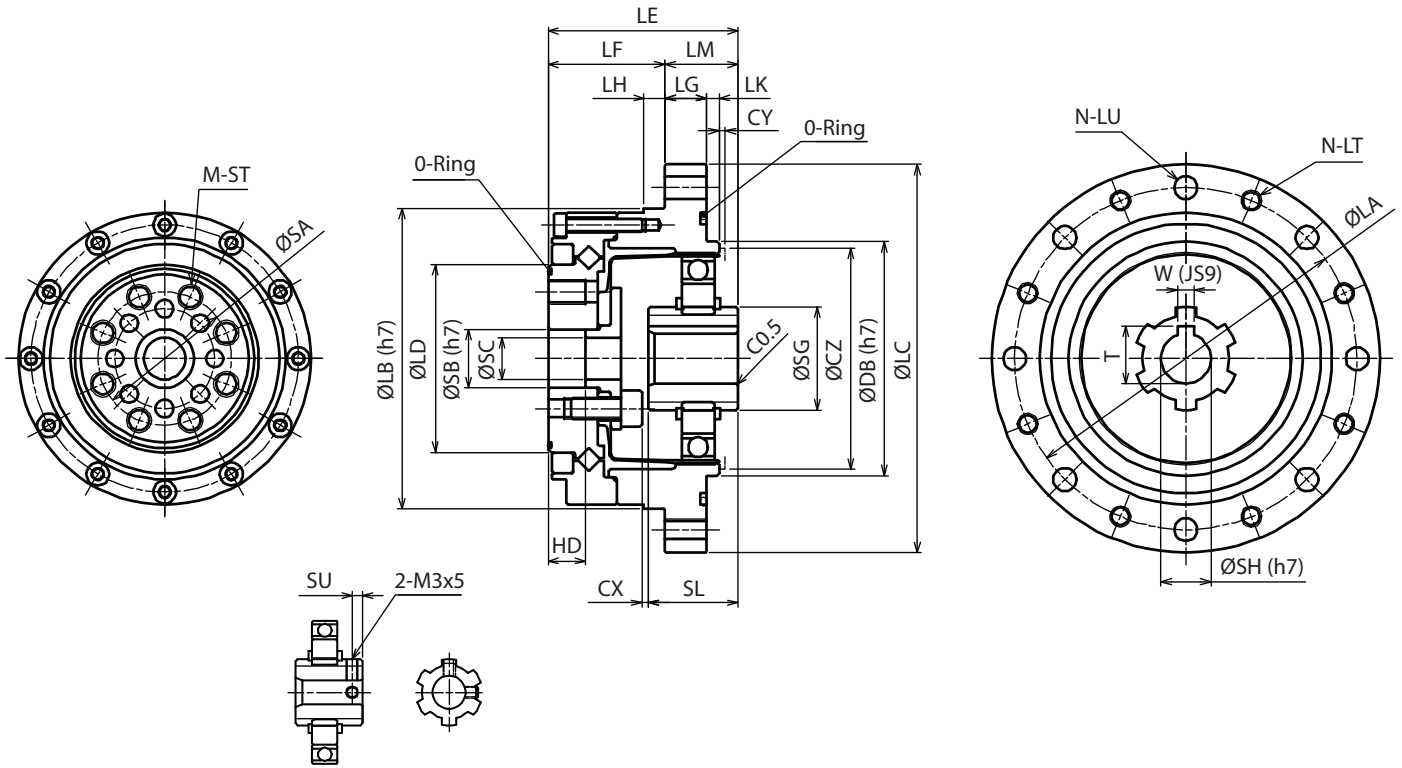
*5) The maximum average input torque

*6) Values depend on the input shaft diameter, etc.

Closed Style - Complete Unit Assembly

WPU-□-□-CN

WPU-□-□-CF



INPUT SHAFT FOR 35 & 42

Size	LA	LB	LC	LD	N *1	LT	LU	LE	LF	LG	LH	LK	LM	DB	SG
35	65	56	73	31	8 (6)	M4	4.5	41	27	7	3.5	2	14	38	15.8
42	71	63	79	38	8 (6)	M4	4.5	45	29	8	4	2	16	48	15.8
50	82	72	93	45	8 (6)	M5	5.5	45.5	28	10	5	3	17.5	56	24.8
63	96	86	107	58	10 (8)	M5	5.5	52	36	10	5	3	16	67	27.8
80	125	113	138	78	12	M6	6.5	62	45	12	5	3	17	90	27.8

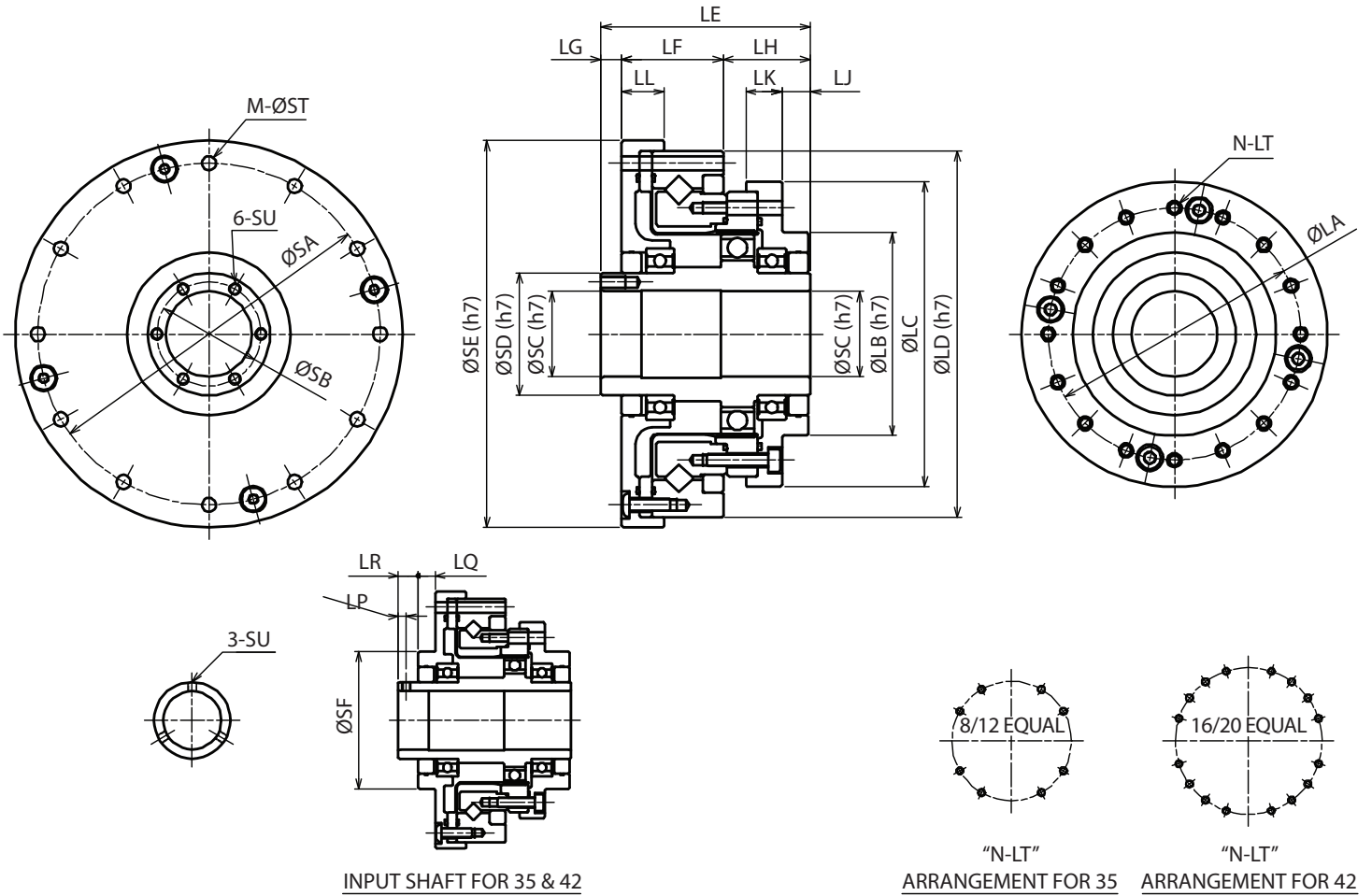
Size	SH	SL	W	T	SU	SA	SB	SC	M	ST	HD	CX	CY	CZ
35	6	18.5	-	-	2.5	23	11	8	6	M4x8	9.5	1.6	1	38
42	8	20.7	-	-	3	27	10	7	6	M5x8	9.5	1.3	1	45
50	12	21.5	4	13.8	-	32	14	10	8	M6x9	9	1.5	1.5	53
63	14	21.6	5	16.3	-	42	20	15	8	M8x10	12	3.4	1.5	66
80	14	23.6	5	16.3	-	55	26	20	8	M10x12	15	5.2	1.5	86

*1) -CN and -CF are different in dimensions. The -CF value is shown in parentheses

*2) For details in the input section, check the drawings

Open Style - Complete Unit Assembly (Hollow shaft)

WPU-□-□-SNH

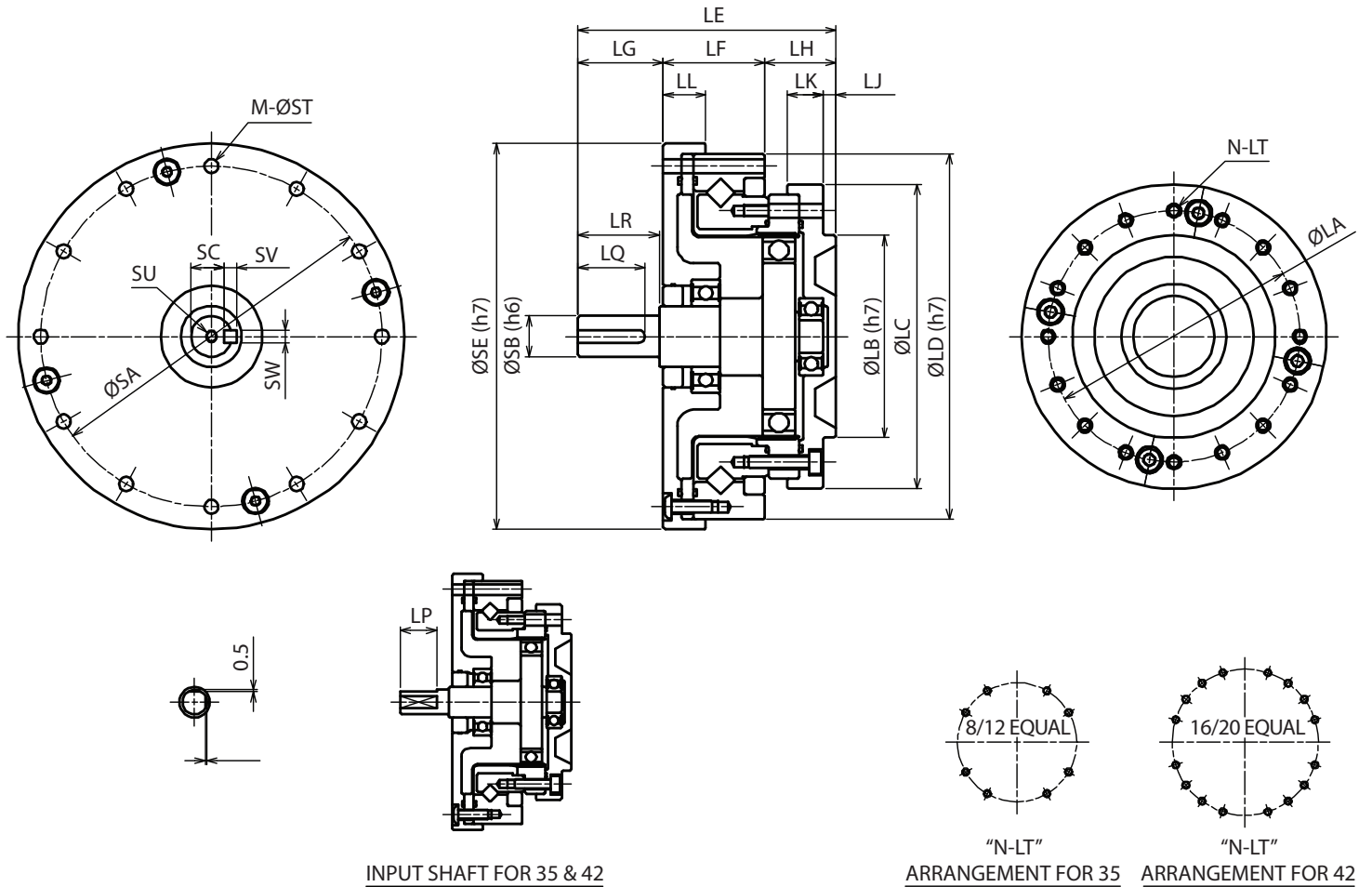


Size	LA	LB	LC	LD	LE	LF	LG	LH	LJ	LK	LL	LP	LQ	LR
35	44	36	54	70	52.5	20.5	12	20	7.5	8	9	2.5	5.5	6.5
42	54	45	64	80	56.5	23	12	21.5	8.5	8.5	10	2.5	5.5	6.5
50	62	50	75	90	51.5	25	5	21.5	7	9	10.5	-	-	-
63	77	60	90	110	55.5	26	6	23.5	6	8.5	10.5	-	-	-
80	100	85	115	142	65.5	32	7	26.5	5	9.5	12	-	-	-

Size	SA	SB	SC	SD	SE	SF	M	ST	SU	N	LT
35	64	-	14	20	74	36	8	3.5	M3	8	M3×5, φ3.5×11.5
42	74	-	19	25	84	45	12	3.5	M3	16	M3×6, φ3.5×12
50	84	25.5	21	30	95	-	12	3.5	M3×6	16	M3×6, φ3.5×13.5
63	102	33.5	29	38	115	-	12	4.5	M3×6	16	M4×7, φ4.5×15.5
80	132	40.5	36	45	147	-	12	5.5	M3×6	16	M5×8, φ5.5×20.5

Open Style - Complete Unit Assembly (Input shaft)

WPU-□-□-SNJ



Size	LA	LB	LC	LD	LE	LF	LG	LH	LJ	LK	LL	LP	LQ	LR
35	44	36	54	70	50.5	20.5	15	15	2.5	8	9	11	-	-
42	54	45	64	80	56	23	17	16	3	8.5	10	12	-	-
50	62	50	75	90	63.5	25	21	17.5	3	9	10.5	-	16.5	20
63	77	60	90	110	72.5	26	26	20.5	3	8.5	10.5	-	22.5	25
80	100	85	115	142	84.5	32	26	26.5	5	9.5	12	-	22.5	25

Size	SA	SB	SC	SE	SV	SW	M	ST	SU	N	LT
35	64	6	-	74	-	-	8	3.5	M3	8	M3×5, φ3.5×11.5
42	74	8	-	84	-	-	12	3.5	M3	16	M3×6, φ3.5×12
50	84	10	8.2	95	3	3	12	3.5	M3×6	16	M3×6, φ3.5×13.5
63	102	14	11	115	5	5	12	4.5	M3×6	16	M4×7, φ4.5×15.5
80	132	14	11	147	5	5	12	5.5	M3×6	16	M5×8, φ5.5×20.5