

HELICAL INLINE GEARBOX (HXI) NOMENCLATURE P412A-N03QN-WB3ST



P	412A	-N	03	Q	N	-W	B3	ST
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TYPE

P with Motor Flange

SIZE	TORQUE (LB-IN)
412A	1550
413A	1550
512A	3180
513A	3180
612A	4690
613A	4690

MOUNTING

-N = without Flange/Feet

-F = Output Flange Mounted

See table below

OUTPUT SHAFT DIAMETER (IN)

412A, 413A

Q = ϕ 1.000

512A, 513A

T = ϕ 1.250

612A, 613A

Z = ϕ 1.3750

OUTPUT FLANGE (IN)

N = Without Flange

412A, 413A

U = ϕ 6.50

512A, 513A, 612A, 613A

3 = ϕ 6.30

4 = ϕ 7.87

5 = ϕ 9.84

MOTOR FRAME SIZE (IN)

NEMA

-W = 56C

-X = 143/5TC

-Y = 182/4TC

STANDARD MOUNTING POSITION

B3 = Worm Top
B6 = DL Drive Left
B7 = DR Drive Right
B8 = Worm Bottom
V5 = Worm Up (input up)
V6 = Worm Down (input down)

INPUT BORE OR COUPLING

ST = Standard

Without Flange / Feet
-N

Output Flange Mounted
-F

Mounted Feet
See table

Feet Code	Market Reference	Kit Code
B2	Bonfiglioli C20, Bonfiglioli Mas 20	KC409025
B3	Bonfiglioli C31	KC509024
S1	SEW R17, SITI HL25, NORD B.SK272/3	KC409022
S2	SEW R27/R37, SITI HL25, NORD B.SK272/3-SK372/3, STM 50	KC409024
S4	SEW R47/R57, SITI HL30, NORD B.SK472/3-SK572/3, STM 60, MOTOVARIO 042/3-052/3	KC509022

RATIO							RATIO							RATIO						
HXI	SIZE						HXI	SIZE						HXI	SIZE					
	412A	413A	512A	513A	612A	613A		412A	413A	512A	513A	612A	613A		412A	413A	512A	513A	612A	613A
CODE	RATIO						CODE	RATIO						CODE	RATIO					
01	3.52		3.61	39.79	3.61		11	15.37	86.66	16.62	136.62	16.62	76.69	21	50.67		14			165.29
02	4.37	38.4	4.23	47.22	4.23		12		96.85	20.1	165.29	20.1	82.3	22	61.89					185.29
03	5.56	43.69	5.01	54.73	5.01		13		102.89		180.4		83.59	23	18.04					205.43
04	6.36	50.64	6.07	66.22	6.07		14	21.54		29.41	218.26	29.41	92.78	24						224.18
05	7.33	53.36	6.81	76.69	6.81	39.79	15	22.29	135.69	35.58	241.82	35.58	104.68	25	13.68					241.82
06	7.89	61.21		83.59		47.22	16	26.31	165.74	40.5	292.57	40.5	117.22	26	16.33					278.62
07		61.85	7.96	92.78	7.96	54.73	17	29.4	126.4	44.23	319.32	44.23	126.65	27						292.57
08	10.06	70.95	9.45	104.68	9.45	57.13	18	35.91	177.09	49	386.33	49	135.74	28						363.63
09	11.66	73.43	11.43	117.22	11.43	66.22	19	38.37	216.31	60.9	480.16	60.9	145.68							
10	13.26	74.77		126.65	14	71.01	20	46.87		24.61		24.61	157.4							

B3
STANDARD

B6

B7

B8

V5

V6