

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	1460
413A	1460
512A	3091
513A	3091
612A	4550
613A	4550

MOUNTING

- N = without Flange/Foot
- F = Output Flange Mounted

See table below

OUTPUT SHAFT DIAMETER (IN)

412A, 413A
O = ϕ 0.750
Q = ϕ 1.000
512A, 513A
T = ϕ 1.250
612A, 613A
Z = ϕ 1.3750

OUTPUT FLANGE (IN)

N = Without Flange

412A, 413A
2 = ϕ 5.51
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

MOUNTING POSITIONS

- B3** = Standard
- B6** = Mount Left
- B7** = Mount Right
- B8** = Ceiling Mount
- V5** = Input Up
- V6** = Input Down
- V8** = TBD

INPUT BORE

ST = Standard

Without Flange / Feet
-N

Output Flange Mounted
-F

Mounted Feet
See table

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

B3 STANDARD

B6

B7

B8

V5

V6

V8

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					
1	3.52		3.61	39.79	3.61		11	15.37	86.66	16.62	136.62	16.62	76.69	19	38.37	216.31	60.9	480.16	60.9	145.68
2	4.37	38.4	4.23	47.22	4.23		26	16.33						20	46.87					157.4
3	5.56	43.69	5.01	54.73	5.01		23	18.04						21	50.67					165.29
4	6.36	50.64	6.07	66.22	6.07		12		96.85	20.1	165.29	20.1	82.3	22	61.89					185.29
5	7.33	53.36	6.81	76.69	6.81	39.79	20			24.61		24.61		23						205.43
6	7.89	61.21		83.59		47.22	13		102.89		180.4		83.59	24						224.18
7		61.85	7.96	92.78	7.96	54.73	14	21.54		29.41	218.26	29.41	92.78	25						241.82
8	10.06	70.95	9.45	104.68	9.45	57.13	17		126.4					26						278.62
9	11.66	73.43	11.43	117.22	11.43	66.22	15	22.29	135.69	35.58	241.82	35.58	104.68	27						292.57
10	13.26	74.77		126.65	14.00	71.01	16	26.31	165.74	40.5	292.57	40.5	117.22	28						363.63
21			14.00				17	29.4		44.23	319.32	44.23	126.65							
25	13.68						18	35.91	177.09	49	386.33	49	135.74							