



# NOMENCLATURE

## RIGHT ANGLE HELICAL BEVEL C-FACE REDUCERS (RHB)

	1	2	3	4	5	6	7		8	9	9a	10	10a	10b	11	11a	11b	12	13	13a	13b
(EX.)	B	B	38	3	C	N	56C	/	9.72	B3	-	H	I	1.250	-	-	-	-	-	-	-

### 1. PRODUCT TYPE

B = RHB

### 2. OUTPUT CONFIGURATION

B = Foot Mounted  
F = Flange/ Shaft Mounted

### 3. UNIT SIZE

38	48	68	88
108	128	148	168

### 4. REDUCTION STAGE

3 = Triple

### 5. INPUT CONFIGURATION

C = Clamp Collar  
L = 3 Piece Coupled

### 6. MOTOR TYPE

N = NEMA  
I = IEC

### 7. MOTOR FRAME

NEMA	56C	140TC	180TC	210TC
	250TC	280TC	320TC	360TC
IEC	71D	80D	90D	100D
	112D	132D	160D	180D
	200D	225D	250D	

### 8. RATIO

4.83 - 307.24 = Triple Reduction

### 9. MOUNTING POSITION (See Page RHB-7)

A1	A2
A3	A4
A5	A6

### 9a. OUTPUT SHAFT POSITION

(Not required for shaft mounted units)

A	B	AB
---	---	----

### 10. OUTPUT SHAFT BORE TYPE

S = Single Extension Solid Shaft  
D = Double Extension Solid Shaft  
H = Hollow Bore  
C = Shrink Disc Coupling  
T = Twin Tapered Bushing

### 10a. OUTPUT SHAFT BORE DIMENSION

I = Inch  
M = Metric

### 10b. OUTPUT SHAFT / BORE DIAMETER

SHAFT	BORE
Inch: 1.375 - 4.750	Inch: 1.250 - 4.000
Metric: 35mm - 120mm	Metric: 30mm - 110mm

### 11. OUTPUT FLANGE TYPE

B5 B14

### 11a. OUTPUT FLANGE DIAMETER

B14: 120mm - 400mm  
B5: 160mm - 550mm

### 11b. OUTPUT FLANGE POSITION

A B AB

### 12. TORQUE ARM OPTION

(Must use configuration "BF")

K = Torque Arm Kit

### 13. SCREW CONVEYOR DRIVE OPTION

(Sizes 38 - 128 Only)

SCS = Screw Conveyor With Standard Drive Shaft  
SCN = Screw Conveyor - No Drive Shaft

### 13a. SCREW CONVEYOR DRIVE SHAFT DIAMETER

1.500 - 3.4375

### 13b. SCREW CONVEYOR ADAPTER

S = Standard  
XT = Harsh Duty

MOUNTING POSITION PAGE RHB-7	SELECTION OIL QUANTITIES PAGE RHB-7	SELECTION GEARMOTOR PAGE RHB-49	DIMENSIONS PAGE RHB-92
---------------------------------	--	------------------------------------	---------------------------



# NOMENCLATURE

## RIGHT ANGLE HELICAL BEVEL GEARMOTORS (RHB)

	1	2	3	4	5	6	7	8	9	9a	10	10a	10b	11	11a	11b	12	13	13a	13b	14	
(EX.)	B	F	108	3	G	H	132N4	/	31.25	B5	A	S	M	80	B5	350	-	-	-	-	-	-

### 1. PRODUCT TYPE

B = RHB

### 2. OUTPUT CONFIGURATION

B = Foot Mounted

F = Flange/ Shaft Mounted

### 3. UNIT SIZE

38	48	68	88
108	128	148	168

### 4. REDUCTION STAGE

3 = Triple

### 5. INPUT CONFIGURATION

G = Integral Gearmotor

### 6. MOTOR TYPE

H = Horsepower

K = Kilowatt

### 7. MOTOR FRAME

71C4	0.25 Hp (0.18 kW)	132N4	10 Hp (7.5 kW)
71D4	0.33 Hp (0.25 kW)	132O4	- (9.2 kW)
71E4	0.50 Hp (0.37 kW)	160P4	15Hp (11 kW)
80F4	0.75 Hp (0.55 kW)	160Q4	20 Hp (15 kW)
80G4	1 Hp (0.75 kW)	180R4	25 Hp (18.5 kW)
90H4	1.5 Hp (1.1 kW)	180S4	30 Hp (22 kw)
90I4	2 Hp (1.5 kW)	200T4	40 Hp (30 kW)
100J4	3 Hp (2.2 kW)	225U4	50 Hp (37 kW)
100K4	- (3 kW)	225V4	60 Hp (45kW)
112L4	5 Hp (4 kW)	250W4	75Hp (55 kW)
132M4	7.5 Hp (5.5 kW)		

### 8. RATIO

4.83 - 307.24 = Triple Reduction

### 9. MOUNTING POSITION (See Page RHB-7)

A1	A2	A3
A4	A5	A6

### 9a. OUTPUT SHAFT POSITION

(Not required for shaft mounted units)

A	B	AB
---	---	----

### 10. OUTPUT SHAFT TYPE

S = Single Extension Solid Shaft

D = Double Extension Solid Shaft

H = Hollow Bore

C = Shrink Disc Coupling

T = Twin Tapered Bushing

### 10a. OUTPUT SHAFT DIMENSION

I = Inch

M = Metric

### 10b. OUTPUT SHAFT DIAMETER

SHAFT

BORE

Inch: 1.375 - 4.750

Inch: 1.250 - 4.000

Metric: 35mm - 120mm

Metric: 33mm - 110mm

### 11. OUTPUT FLANGE TYPE

B5 B14

### 11a. OUTPUT FLANGE DIAMETER

B14: 120mm - 400mm

B5: 160mm - 550mm

### 11b. OUTPUT FLANGE POSITION

A B AB

### 12. TORQUE ARM OPTION

(Must use configuration "BF")

K = Torque Arm Kit

### 13. SCREW CONVEYOR DRIVE OPTION

(Sizes 38 - 128 Only)

SCS = Screw Conveyor With Standard Drive Shaft

SCN = Screw Conveyor - No Drive Shaft

### 13a. SCREW CONVEYOR DRIVE SHAFT DIAMETER

1.500 - 3.4375

### 13b. SCREW CONVEYOR ADAPTER

S = Standard

XT = Harsh Duty

### 14. BRAKE

L4 (3 ft. lb.) L32 (24 ft. lb.) L150 (111 ft. lb.)

L8 (6 ft. lb.) L60 (44 ft. lb.) L260 (192 ft. lb.)

L16 (12 ft. lb.) L80 (59 ft. lb.) L400 (295 ft. lb.)

MOUNTING POSITION PAGE RHB-7	SELECTION OIL QUANTITIES PAGE RHB-7	SELECTION GEARMOTOR PAGE RHB-49	DIMENSIONS PAGE RHB-92
---------------------------------	--	------------------------------------	---------------------------



# NOMENCLATURE

## RIGHT ANGLE HELICAL BEVEL SEPARATE REDUCERS (RHB)

	1	2	3	4	5	6	7		8	9	9a	10	10a	10b	11	11a	11b	12	13	13a	13b
(EX.)	B	B	38	3	S	I	71	/	9.72	B3	B	S	I	1.375	-	-	-	-	-	-	-

### 1. PRODUCT TYPE

B = RHB

### 2. OUTPUT CONFIGURATION

B = Foot Mounted  
F = Flange/Shaft Mounted

### 3. UNIT SIZE

38	48	68	88
108	128	148	168

### 4. REDUCTION STAGE

3 = Triple

### 5. INPUT CONFIGURATION

S = Separate

### 6. INPUT SHAFT DIMENSION

I = Inch  
M = Metric

### 7. SEPARATE GROUP

71	80	90	100	112
132	160	180	225	250

### 8. RATIO

4.83 - 307.24 = TRIPLE REDUCTION

### 9. MOUNTING POSITION (See Page RHB-7)

A1	A2
A3	A4
A5	A6

### 9a. OUTPUT SHAFT POSITION

(Not required for shaft mounted units)

A      B      AB

### 10. OUTPUT SHAFT TYPE

S = Single Extension Solid Shaft  
D = Double Extension Solid Shaft  
H = Hollow Bore  
C = Shrink Disc Coupling  
T = Twin Tapered Bushing

### 10a. OUTPUT SHAFT DIMENSION

I = Inch  
M = Metric

### 10b. OUTPUT SHAFT DIAMETER

SHAFT	BORE
Inch: 1.375 - 4.750	Inch: 1.250 - 4.000
Metric: 35mm - 120mm	Metric: 33mm - 220mm

### 11. OUTPUT FLANGE TYPE

B5      B14

### 11a. OUTPUT FLANGE DIAMETER

B14: 120mm - 400mm  
B5: 160mm - 550mm

### 11b. OUTPUT FLANGE POSITION

A      B      AB

### 12. TORQUE ARM OPTION

(Must use configuration "BF")

K = Torque Arm Kit

### 13. SCREW CONVEYOR DRIVE OPTION

(Sizes 38 - 128 Only)

SCS = Screw Conveyor With Standard Drive Shaft  
SCN = Screw Conveyor - No Drive Shaft

### 13a. SCREW CONVEYOR DRIVE SHAFT DIAMETER

1.500 - 3.4375

### 13b. SCREW CONVEYOR ADAPTER

S = Standard  
XT = Harsh Duty

MOUNTING POSITION PAGE RHB-7	SELECTION OIL QUANTITIES PAGE RHB-7	SELECTION GEARMOTOR PAGE RHB-49	DIMENSIONS PAGE RHB-92
---------------------------------	--	------------------------------------	---------------------------