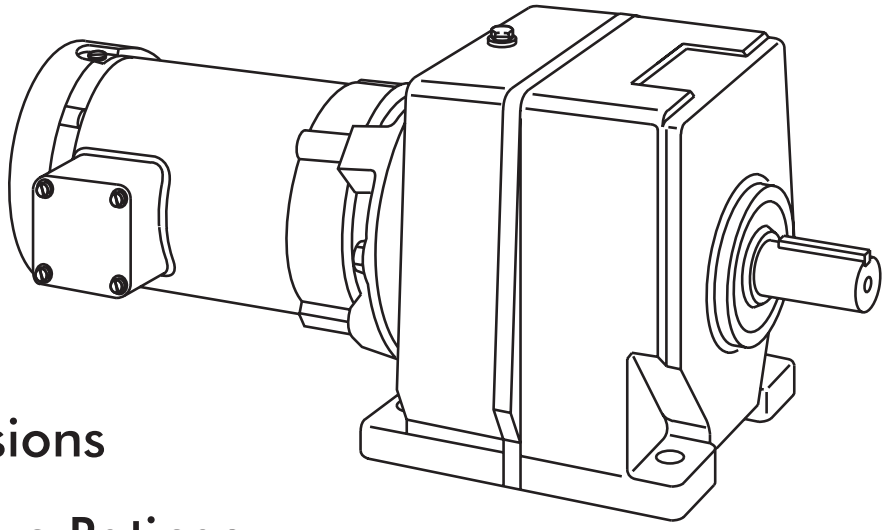
REXNORD

Falk™ Ultramite® Interchange Guide

BASE MOUNTED HELICAL GEAR DRIVES



Benefits

Dimensions

Torque Ratings

Competitive Nomenclature

Falk Ultramite Benefits

THE PREFERRED CHOICE ...

- Falk UltraMax concentric gear drives continue to be the preferred choice and with the addition of the Ultramite gearmotor we provide the best service, with recognized features that customers want and delivery that can't be beat.

REDUCE TOTAL COST ...

- Higher efficiency of helical gearing compared to worm gears saves money twice. You can often select smaller gear drives and motors to reduce the initial cost. Higher efficiency reduces electrical costs.
- NEMA C-face motor adapters allow you to provide standard motors off your shelf for the gearmotor design.
- Drop in replacements for several competitive helical designs.
- Quick delivery from stock components.

MORE PRODUCT CHOICES ...

- Multiple models — Base or Flange mounted drives, C-faced or Inline.
- More ratios from 1.4 to 16,000 to 1.
- Double reduction drives up to 70 to 1.
- Floor, ceiling and wall mounting with no unit modifications.

LONGER LASTING ...

- With the help of the local Sales Engineers you can be assured of the proper selection for your application.

REXNORD MEANS SERVICE ...

- Experienced people to serve you, either your local sales office or Rexnord's Customer Service Department located around the world.
- 72 hour standard delivery, 24 hour upon request to satisfy customer need.
- Rexnord is here when you need us.

Rexnord Geared Products, 3001 West Canal Street, Milwaukee, WI 53208-4200. Phone: 414-342-3131, Fax: 414-937-4359
Form 950501, June 2006, supersedes 6/05.

Falk Ultramite Dimensional Comparison

The dimensions and nomenclature shown are for base mounted double reduction drives. In most cases the triple reduction drives have the same external dimensions.

When this interchange was developed comparisons were made with competitive gearmotor designs. In most cases an inline gear drive model (pictured below) is available with the same footprint as its gearmotor model (pictured below).

When replacing competitor's gearmotors be aware that various motor speed and gear ratio combinations are used to arrive at the specified output RPM. Verify competitor's motor speed (motor poles) and gear drive ratio, which yields the output RPM the competitor is furnishing. Falk catalogued selections for gearmotors provide the specified output RPM using a 1750 RPM motor (4 pole) and the appropriate gear drive ratio. The competitor's nomenclature typically incorporates motor rpm or number of poles and is included for your reference. When interchanging, also note competitor's mounting position (floor mounted, wall mount, tilted, etc.).

Representative output torque comparisons are provided at 25:1 ratio and 1750 RPM input in the following dimension tables. Actual torque comparisons at other ratios should be checked using published catalogue data.

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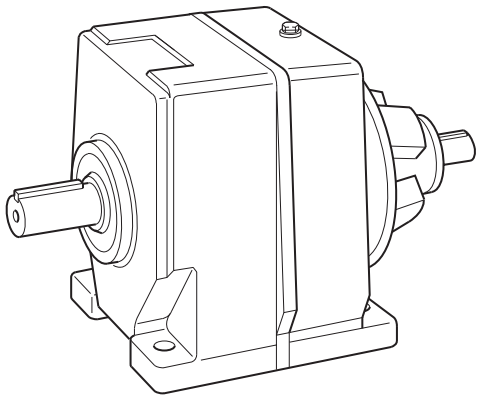
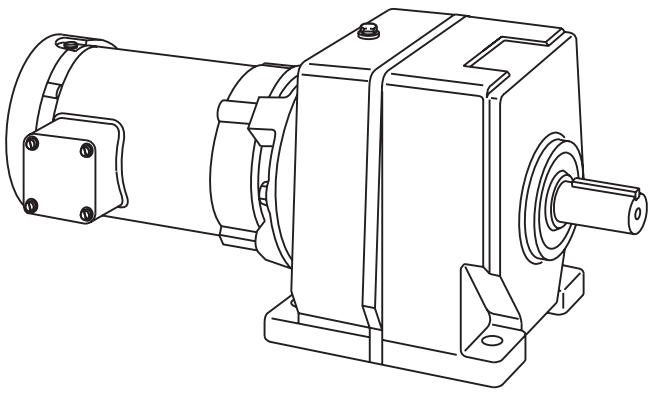
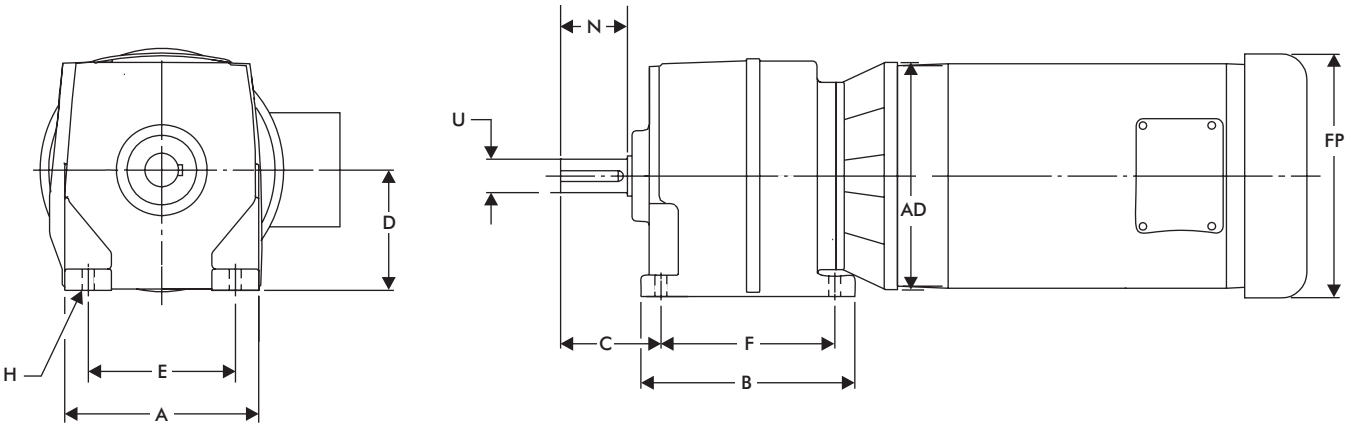
BASE MOUNTED INLINE DRIVE



BASE MOUNTED GEARMOTOR





Size 03 Interchange Data — Inches

Manufacturer	Size	Torque ★ (lb.-in.)	A	B	C	D	E	F	H	N	U
Falk Ultramite †	**03UCBN2**	576	5.31	4.33	2.28	2.95	4.33	3.35	.39	1.57	.750
SEW – Eurodrive	**R32**	630	5.31	4.33	2.28	2.95	4.33	3.35	.39	1.57	.750
Sterling †	**H0302**	576	5.31	4.33	2.28	2.95	4.33	3.35	.39	1.57	.750
David Brown †	**M0320 BM**	576	5.31	4.33	2.28	2.95	4.33	3.35	.39	1.57	.750
Brook Hansen S3 Series	**SFN03B**	720	6.30	4.33	2.21	2.95	4.33	3.35	.35	1.50	.750
Morse – Powerline	**2002**	720	6.06	4.45	2.23	2.95	4.33	3.35	.35	1.50	.750
Leroy Somer NXT	**N2002**	720	6.06	4.45	2.23	2.95	4.33	3.35	.35	1.50	.750
Hansen J Series	**JFN03B**	720	6.06	4.45	2.23	2.95	4.33	3.35	.35	1.50	.750
Winsmith J Series	**JFN03B**	720	6.06	4.45	2.23	2.95	4.33	3.35	.35	1.50	.750
Nord – Unicase	**SK02**	717	5.12	5.28	1.97	3.39	4.33	2.36	.35	1.50	.750
Sumitomo SM – Cyclo ♦	**3090**	525	7.09	5.12	2.36	3.94	5.90	3.54	.43	1.38	1.12
Sumitomo SM – Cyclo ♦	**3095**	775	7.09	5.12	2.36	3.94	5.90	3.54	.43	1.38	1.12
Sumitomo SM – Cyclo ♦	**3097**	866	7.09	5.12	2.36	3.94	5.90	3.54	.43	1.38	1.12

Size 04 Interchange Data — Inches

Manufacturer	Size	Torque ★ (lb.-in.)	A	B	C	D	E	F	H	N	U
Falk Ultramite ‡	**04UCBN2**	1,420	5.71	6.30	2.95	3.54	4.33	5.12	.35	1.97	1.00
SEW – Eurodrive	**R40**	903	5.71	6.30	2.95	3.54	4.33	5.12	.35	1.97	1.00
Sterling ‡	**H0402**	1,420	5.71	6.30	2.95	3.54	4.33	5.12	.35	1.97	1.00
David Brown ‡	**M0420 BM**	1,420	5.71	6.30	2.95	3.54	4.33	5.12	.35	1.97	1.00
Brook Hansen S3 Series	**SFN15B**	1,600	5.71	6.30	2.95	3.54	4.33	5.12	.39	1.97	1.00
Flender/Motox ✱	**Z30 (2 Red.)**	752	5.71	6.30	2.95	3.54	4.33	5.12	.35	1.97	1.00
Flender/Motox ✱	**D30 (3 Red.)**	1,062	5.71	6.30	2.95	3.54	4.33	5.12	.35	1.97	1.00
Flender/Motox ✱	**D31 (3 REd.)**	1,593	5.71	6.30	2.95	3.54	4.33	5.12	.35	1.97	1.00
Morse-Powerline	**210**	1,280	6.38	7.68	2.63	3.15	4.33	6.50	.35	2.00	1.00
Leroy Somer NXT	**N21**	1,250	6.38	7.68	2.63	3.15	4.33	6.50	.35	2.00	1.00
Hansen J Series	**JFN13B**	1,250	6.38	7.68	2.63	3.15	4.33	6.50	.35	2.00	1.00
Winsmith J Series	**JFN13B**	1,250	6.38	7.68	2.63	3.15	4.33	6.50	.35	2.00	1.00
Nord – Unicase	**SK12**	1,062	5.31	5.47	3.22	4.02	4.13	2.44	.35	2.13	1.00
Sumitomo SM – Cyclo ♦	**3100**	1,400	7.09	5.31	2.36	3.94	5.90	3.54	.43	1.38	1.12
Sumitomo SM – Cyclo ♦	**3105**	1,670	7.09	5.31	2.36	3.94	5.90	3.54	.43	1.38	1.12

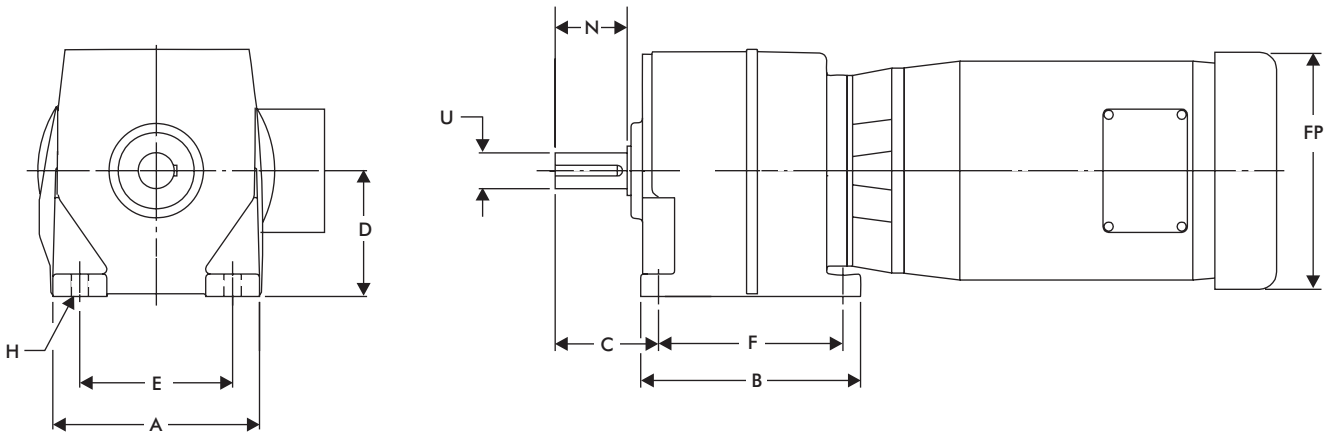
★ Torque is based on closest cataloged 25:1 ratio with 1750 rpm input.

† Size 03 double reduction ratios 56C/140TC/180TC — AD & FP protrude below drive feet.

‡ Size 04 double reduction (1.4:1 through 14:1) 180TC — AD always protrudes below drive feet. FP may protrude below drive feet depending on motor mfg.

♦ The Sumitomo design is quite different from its helical counterparts and is offered in more intermediate sizes than are shown. Those listed have similar size or torque ratings.

✱ Some Flender motors extend beneath the level of the gearmotor feet.



Size 06 Interchange Data — Inches

Manufacturer	Size	Torque ★ (lb.-in.)	A	B	C	D	E	F	H	N	U
Falk Ultramite ●	**06UCBN2**	3,070	7.48	7.87	3.54	4.53	5.31	6.50	.59	2.36	1.25
SEW – Eurodrive	**R60**	2,160	7.48	7.87	3.54	4.53	5.31	6.50	.59	2.36	1.25
SEW – Eurodrive	**R63**	3,060	7.48	7.87	3.54	4.53	5.31	6.50	.59	2.36	1.25
Sterling ●	**H0602**	3,070	7.48	7.87	3.54	4.53	5.31	6.50	.59	2.36	1.25
David Brown ●	**M0620 BM**	3,070	7.48	7.87	3.54	4.53	5.31	6.50	.59	2.36	1.25
Brook Hansen S3 Series	**SFN25B**	3,200	7.48	7.87	3.54	4.52	5.31	6.50	.55	2.36	1.25
Flender/Motox	**Z40 (2 Red.)**	2,213	7.68	7.87	3.54	4.53	5.31	6.50	.55	2.36	1.25
Flender/Motox	**D40 (3 Red.)**	2,213	7.68	7.87	3.54	4.53	5.31	6.50	.55	2.36	1.25
Flender/Motox	**Z41 (2 Red.)**	885	7.68	7.87	3.54	4.53	5.31	6.50	.55	2.36	1.25
Flender/Motox	**D41 (3 Red.)**	2,921	7.68	7.87	3.54	4.53	5.31	6.50	.55	2.36	1.25
Morse – Powerline	**220**	2,735	7.52	8.58	3.01	3.94	5.31	7.56	.55	2.50	1.25
Leroy Somer NXT	**N22**	2,750	7.52	8.58	3.01	3.94	5.31	7.56	.55	2.50	1.25
Hansen J Series	**JFN23B**	2,750	7.52	8.58	3.01	3.94	5.31	7.56	.55	2.50	1.25
Winsmith J Series	**JFN23B**	2,750	7.52	8.58	3.01	3.94	5.31	7.56	.55	2.50	1.25
Nord – Unicase	**SK22**	1,956	7.28	6.89	3.30	4.92	6.30	3.15	.43	2.75	1.25
Dodge – APG	**DG3A**	2,852	8.38	8.00	3.58	5.37	7.12	7.00	.44	2.51	1.25
Sumitomo SM – Cyclo ♦	**3110**	2,380	9.06	6.10	3.23	4.72	7.48	4.53	.55	2.17	1.50
Sumitomo SM – Cyclo ♦	**3115**	3,270	9.06	6.10	3.23	4.72	7.48	4.53	.55	2.17	1.50

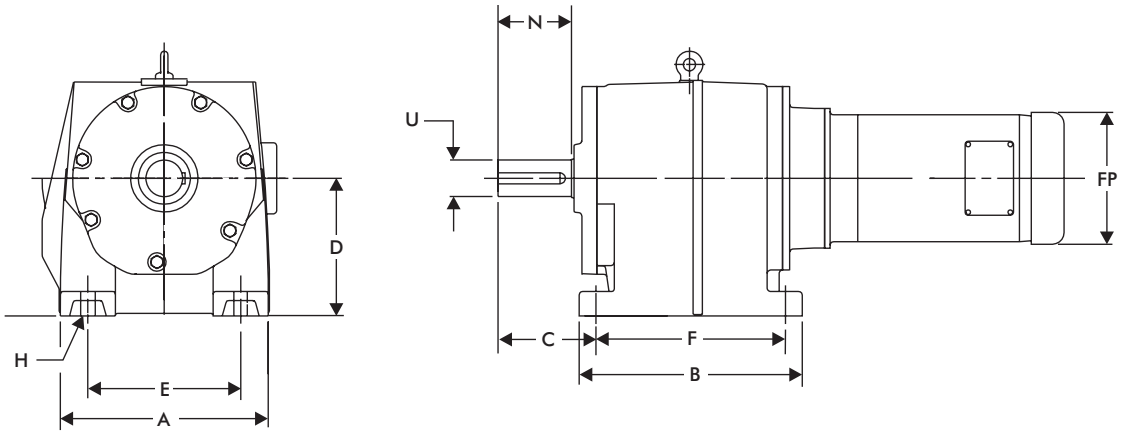
Size 07 Interchange Data — Inches

Manufacturer	Size	Torque ★ (lb.-in.)	A	B	C	D	E	F	H	N	U
Falk Ultramite ■	**07UCBN2**	5,410	9.06	9.65	4.53	5.51	6.69	8.07	.75	3.15	1.625
SEW – Eurodrive	**R70**	3,682	9.06	9.65	4.53	5.51	6.69	8.07	.71	3.15	1.625
SEW – Eurodrive	**R73**	4,248	9.06	9.65	4.53	5.51	6.69	8.07	.71	3.15	1.625
Sterling ■	**H0702**	5,410	9.06	9.65	4.53	5.51	6.69	8.07	.75	3.15	1.625
David Brown ■	**M0720 BM**	5,410	9.06	9.65	4.53	5.51	6.69	8.07	.75	3.15	1.625
Brook Hansen S3 Series	**SFN35B**	6,400	9.06	9.65	4.53	5.51	6.69	8.07	.71	3.15	1.625
Flender/Motox	**Z60**	3,540	9.06	9.65	4.53	5.51	6.69	8.07	.71	3.15	1.625
Flender/Motox	**D60**	3,540	9.06	9.65	4.53	5.51	6.69	8.07	.71	3.15	1.625
Flender/Motox	**Z61**	3,717	9.06	9.65	4.53	5.51	6.69	8.07	.71	3.15	1.625
Flender/Motox	**D61**	5,310	9.06	9.65	4.53	5.51	6.69	8.07	.71	3.15	1.625
Morse – Powerline	**230**	5,535	9.33	10.83	3.77	4.92	6.69	9.45	.71	3.00	1.50
Leroy Somer NXT	**N23**	5,400	9.33	10.83	3.77	4.92	6.69	9.45	.71	3.00	1.50
Hansen J Series	**JFN33B**	5,400	9.33	10.83	3.77	4.92	6.69	9.45	.71	3.00	1.50
Winsmith J Series	**JFN33B**	5,400	9.33	10.83	3.77	4.92	6.69	9.45	.71	3.00	1.50
Nord – Unicase	**SK32**	3,828	8.27	8.43	3.88	6.10	7.28	4.72	.51	3.25	1.625
Dodge – APG	**DG4A**	3,787	8.25	9.00	4.24	6.17	7.00	7.88	.56	3.20	1.625
Sumitomo SM – Cyclo ♦	**3140**	5,160	13.0	7.68	3.94	5.90	11.42	5.71	.71	2.76	1.875
Sumitomo SM – Cyclo ♦	**3145**	5,730	13.0	7.68	3.94	5.90	11.42	5.71	.71	2.76	1.875

★ Torque is based on closest cataloged 25:1 ratio with 1750 rpm input.

● Size 06 double reduction (1.4:1 through 9:1) 210TC — FP may protrude below drive feet depending on motor mfg.

■ Size 07 double reduction (1.4:1 through 9:1) 250TC — FP may protrude below drive feet depending on motor mfg.



Size 08 Interchange Data — Inches

Manufacturer	Size	Torque ★ (lb.-in.)	A	B	C	D	E	F	H	N	U
Falk Ultramite	**08UCBN2**	10,700	11.42	12.20	5.51	7.09	8.46	10.24	.75	3.94	2.125
SEW – Eurodrive	**R80**	7,535	11.42	12.20	5.51	7.09	8.46	10.24	.71	3.94	2.125
SEW – Eurodrive	**R83**	10,640	11.42	12.20	5.51	7.09	8.46	10.24	.71	3.94	2.125
Sterling	**H0820**	10,700	11.42	12.20	5.51	7.09	8.46	10.24	.75	3.94	2.125
David Brown	**M0820 BM**	10,700	11.42	12.20	5.51	7.09	8.46	10.24	.75	3.94	2.125
Brook Hansen S3 Series	**SFN45B**	12,500	11.42	12.20	5.51	7.08	8.46	10.24	.75	3.94	2.125
Flender/Motox	**Z80**	7,080	11.42	12.20	5.51	7.09	8.46	10.24	.71	3.94	2.125
Flender/Motox	**D80**	7,080	11.42	12.20	5.51	7.09	8.46	10.24	.71	3.94	2.125
Flender/Motox	**Z81**	8,850	11.42	12.20	5.51	7.09	8.46	10.24	.71	3.94	2.125
Flender/Motox	**D81**	10,620	11.42	12.20	5.51	7.09	8.46	10.24	.71	3.94	2.125
Morse – Powerline	**240**	10,260	11.81	11.02	4.48	6.30	9.06	9.25	.71	3.50	1.750
Leroy Somer NXT	**N24**	9,900	11.81	11.02	4.48	6.30	9.06	9.25	.71	3.50	1.750
Hansen J Series	**JFN43B**	9,900	11.81	11.02	4.48	6.30	9.06	9.25	.71	3.50	1.750
Winsmith J Series	**JFN43B**	9,900	11.81	11.02	4.48	6.30	9.06	9.25	.71	3.50	1.750
Nord – Unicase	**SK42**	8,107	8.46	9.41	5.07	6.89	6.89	4.72	.51	3.50	1.875
Dodge – APG	**DG5A**	10,541	12.25	10.31	5.06	7.74	10.76	9.06	.72	3.98	2.000
Sumitomo SM – Cyclo ♦	**3160**	8,120	16.14	9.37	5.47	6.30	14.56	5.91	.71	3.54	2.250
Sumitomo SM – Cyclo ♦	**3165**	10,800	16.14	9.37	5.47	6.30	14.56	5.91	.71	3.54	2.250

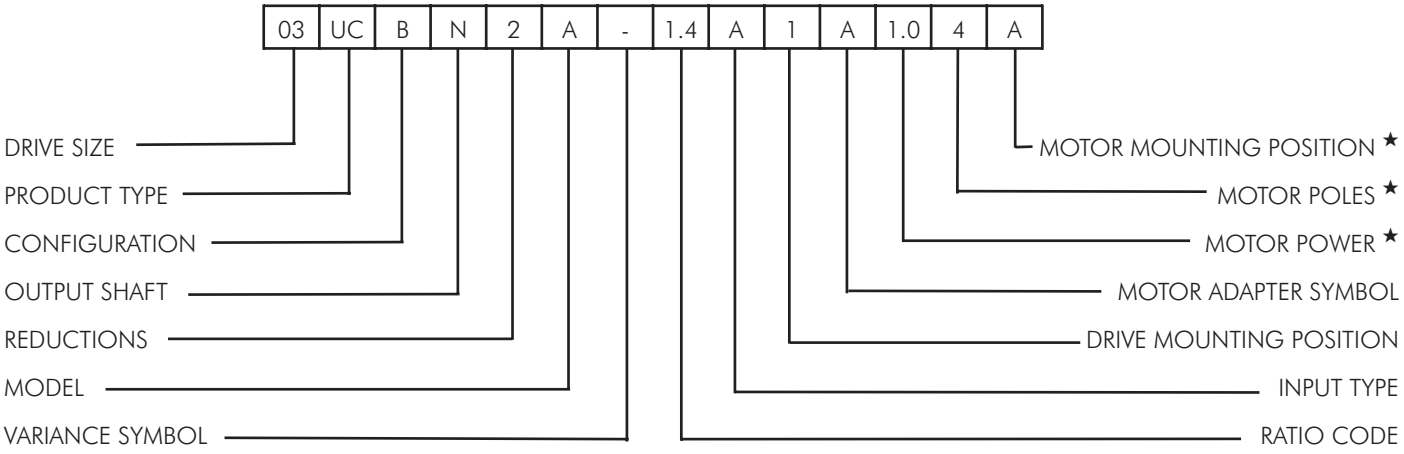
Size 09 Interchange Data — Inches

Manufacturer	Size	Torque ★ (lb.-in.)	A	B	C	D	E	F	H	N	U
Falk Ultramite	**09UCBN2**	19,700	13.39	14.37	6.30	8.86	9.84	12.20	.91	4.72	2.375
SEW – Eurodrive	**R92**	18,900	13.39	14.37	6.30	8.86	9.84	12 20	.87	4.72	2.375
SEW – Eurodrive	**R93**	20,640	13.39	14.37	6.30	8.86	9.84	12 20	.87	4.72	2.375
Sterling	**H0902**	19,700	13.39	14.37	6.30	8.86	9.84	12.20	.91	4.72	2.375
David Brown	**M0920 BM**	19,700	13.39	14.37	6.30	8.86	9.84	12.20	.91	4.72	2.375
Brook Hansen S3 Series	**SFN55B**	21,000	13.39	14.37	6.30	8.85	9.84	12.20	.87	4.72	2.375
Flender/Motox	**Z100 (2 Red.)**	14,160	13.39	14.37	6.30	8.86	9.84	12.20	.87	4.72	2.375
Flender/Motox	**D100 (3 Red.)**	14,160	13.39	14.37	6.30	8.86	9.84	12.20	.87	4.72	2.375
Flender/Motox	**Z101 (2 Red.)**	17,700	13.39	14.37	6.30	8.86	9.84	12.20	.87	4.72	2.375
Flender/Motox	**D101 (3 Red.)**	20,355	13.39	14.37	6.30	8.86	9.84	12.20	.87	4.72	2.375
Morse – Powerline	**250**	19,900	14.17	13.00	5.85	7.87	11.02	11.02	.94	4.75	2.375
Leroy Somer NXT	**N25**	19,500	14.17	13.00	5.85	7.87	11.02	11.02	.94	4.75	2.375
Hansen J Series	**JFN43B**	19,500	14.17	13.00	5.85	7.87	11.02	11.02	.94	4.75	2.375
Winsmith J Series	**JFN43B**	19,500	14.17	13.00	5.85	7.87	11.02	11.02	.94	4.75	2.375
Nord – Unicase	**SK52**	13,992	10.24	11.14	5.18	8.35	8.66	5.91	.71	4.00	2.250
Dodge – APG	**DG6A**	18,675	12.00	12.88	5.75	9.85	10.26	11.00	.88	4.75	2.375
Sumitomo SM – Cyclo	**3170**	16,300	16.93	13.19	4.92	7.87	14.96	10.83	.87	3.54	2.750
Sumitomo SM – Cyclo	**3175**	17,700	16.93	13.19	4.92	7.87	14.96	10.83	.87	3.54	2.750

★ Torque is based on closest cataloged 25:1 ratio with 1750 rpm input.

♦ The Sumitomo design is quite different from its helical counterparts and is offered in more intermediate sizes than are shown. Those listed have similar size or torque ratings.

Falk Ultramite Nomenclature



Drive Sizes
03, 04, 06, 07, 08 & 09

Product Type
UC — Concentric

Configuration
B — Base Mount
F — Flange Mount

Output Shaft
N — Inch
C — Metric
E — IEC
L — Reduced Diameter for Size 03 Metric Only

Reductions
2 — Double
3 — Triple
4 — Quadruple
5 — Quintuple

Model
A, B, C, etc.

Variance Symbol
Variance Symbol is omitted when Standard Mineral Lube and Single Seals are specified
A — Standard Mineral Lube and Double Seals
B — Synthetic Lube and Single Seals
C — Biodegradeable Lube and Single Seals
D — Food Compatible Lube and Single Seals
E — Synthetic Lube with Double Seals
F — Biodegradeable Compatible Lube with Double Seals
G — Food Compatible Lube with Double Seals
S — Special

Ratio Code

1.4 through 71.	Double Reduction	
36. through 250	Triple Reduction	
250 through 43C	Quadruple Reduction	C = 00
48C through 16K	Quintuple Reduction	K = 000

Input Type
A — Motor Adapter to Allow Fitting of Falk Std. NEMA Motor
G — Motor Adapter to Allow Fitting of Falk Std. IEC Motor
N — Inline Adapter (Inch)
C — Inline Adapter (Metric)
R — Motor Adapter to Allow Fitting of Special NEMA Motor
T — Motor Adapter to Allow Fitting of Special IEC Motor
@SUBHEAD = Drive Mounting Position, Refer to Selection Guide Mounting Positions 1 through 9

Motor Adapter Symbol, Refer to Selection Guide
A through W

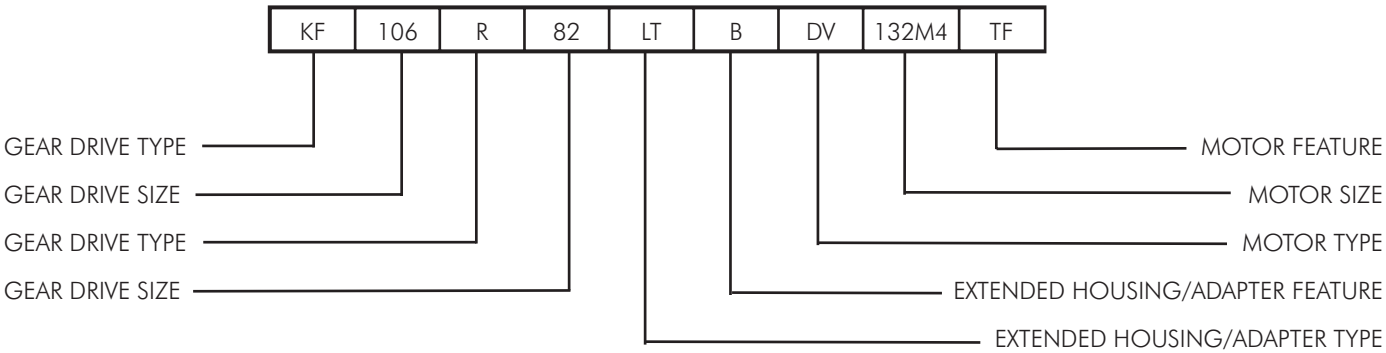
Motor Power, Decimal Point Shown ★
Horsepower – NEMA Motor
Kilowatts – IEC Motor

Motor Poles ★
2 — Poles, 3600 rpm @ 60 Hz, or 3000 rpm @ 50 Hz
4 — Poles, 1800 rpm @ 60 Hz, or 1500 rpm @ 50 Hz
6 — Poles, 1200 rpm @ 60 Hz, or 1000 rpm @ 50 Hz
8 — Poles, 900 rpm @ 60 Hz, or 750 rpm @ 50 Hz

Motor Mounting Position ★
When Viewed from L.S. Shaft of Base Mounted Drive with Mounting Feet Down
A — Conduit Box Horizontal on Right Side, 0°
B — Conduit Box Vertical on Bottom Side, 90°
C — Conduit Box Horizontal on Left Side, 180°
D — Conduit Box Vertical on Top Side of Drive 270°

★ Motor Power, Motor Poles and Motor Mounting Position are stamped on the nameplate only if the motor is furnished & fitted by Falk.

SEW – Eurodrive Nomenclature



Nomenclature always begins with the output side of the drive and ends with the input side.

Gear Drive Type

R Helical Gear Drive — foot mounted
RF Helical Gear Drive — flange mounted
R..F Helical Gear Drive — foot/flange mounted
RUF Helical Gear Drive — flange mounted
Agitator type with extended bearing housing
RX Single stage Helical Gear Drive — foot mounted
RXF Single stage Helical Gear Drive — flange mounted
R..R.. Compound Gear Drive
FA Shaft Mounted Helical Gear Drive
FAF Flange Mounted Helical Gear Drive with hollowshaft
FA..R.. Compound Gear Drive
K Helical-Bevel Gear Drive — foot mounted
KF Helical-Bevel Gear Drive — flange mounted
KA Helical-Bevel Gear Drive — shaft mounted
KH Helical-Bevel Gear Drive —
Hollowshaft feature with shrink disc
(only KH 166 and KH 186)
KAF Helical-Bevel Gear Drive — flange mounted with hollowshaft
K..R.. Compound Gear Drive
S Helical Worm Gear Drive — foot mounted
SF Helical Worm Gear Drive — flange mounted
SA Helical Worm Gear Drive — shaft mounted
SAF Helical Worm Gear Drive — flange mounted with hollowshaft
S..R.. Compound Gear Drive

Gear Drive Features

A Input side open for flange mounting of primary drives
P Input shaft assembly and motor mounting platform
Z Input shaft assembly machined to provide a centering shoulder
RS Backstop (anit-reversal feature)
S Shrink disc connection
V Multiple-spline hollowshaft
T Torque arm

Extended Housing/Adapter Types

L Extended housing/adapter
LT Extended housing with hydraulic centrifugal coupling
LM Extended housing with mechanical centrifugal coupling
LP Adapter with coupling for mounting non-integral motors
LR Adapter with torque limiting coupling
LKS Adapter with clutch brake combination
ZS Scoop motor mount

Extended Housing/Adapter Features

B Disc brake
HF Manual brake release (lockable in the released position)
HR Manual brake release (self re-engaging)
W Speed monitor

Motor Types

DT, DV AC squirrel-cage motor
DFT AC squirrel-cage motor — flange mounted
DFV AC squirrel-cage motor — flange mounted
DT..F AC squirrel-cage motor — foot/flange mounted
DV..F AC squirrel-cage motor — foot/flange mounted

Motor Features

BM Disc brake
C Fan guard with canopy
HF Manual brake release (lockable in the released position)
HR Manual brake release (self re-engaging)
RS Backstop (anti-reversal feature)
TF Thermistor protection
TH Thermistat protection
U Frame cooled (non-ventilated)
V, VS Force cooling
Z High inertia fly-wheel fan

SEW – Eurodrive Motor Data

AC Motors & Brake Motors
Synchronous Speed 1200 rpm @ 60 Hz
6 Pole

Frame Size	hp	kW	rpm
DT71C6	0.20	0.15	1100
DT71D6	0.33	0.25	1100
DT80K6	0.5	0.37	1100
DT80N6	0.75	0.55	1100
DT90S6	1	0.75	1100
DT90L6	1.5	1.1	1120
DT100L6	2	1.5	1120
DV112M6	3	2.2	1140
DV132S6	4	3	1140
DV132M6	5	3.7	1170
DV132ML6	7.5	5.5	1160
DV160M6	10	7.5	1160
DV160L6	15	11	1160
DV180L6	20	15	1170
DV200LS6	25	18.5	1170
DV200L6	30	22	1170

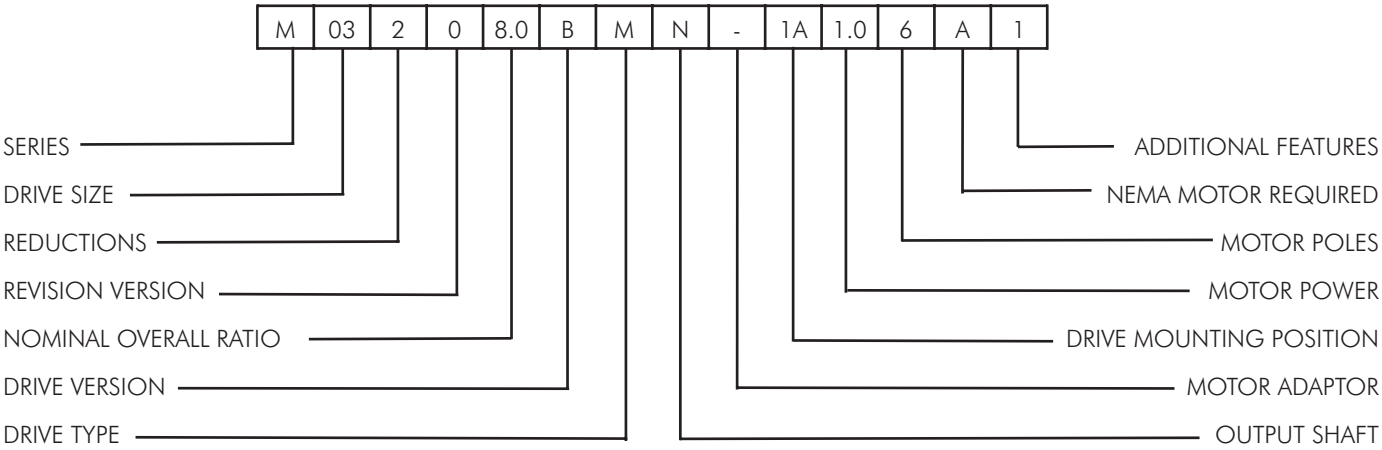
AC Motors & Brake Motors
Synchronous Speed 1800 rpm @ 60 Hz
4 Pole

Frame Size	hp	kW	rpm	230V
DT71K4	0.2	0.15	1700	1.19
DT71C4	0.33	0.25	1700	1.4
DT71D4	0.5	0.37	1700	2.15
DT80K4	0.75	0.55	1700	3.05
DT80N4	1	0.75	1700	3.9
DT90S4	1.5	1.1	1700	4.75
DT90L4	2	1.5	1720	6.0
DT100LS4	3	2.2	1700	8.6
DT100L4	5	3.7	1680	13.6
DV112M4	5.4	4.0	1720	15.2
DV132S4	7.5	5.5	1730	19.2
DV132M4	10	7.5	1740	26
DV132ML4	12.5	9.2	1740	31.5
DV160M4	15	11	1740	36.5
DV160L4	20	15	1760	51
DV180M4	25	18.5	1760	64
DV180L4	30	22	1760	74
DV200L4	40	30	1760	96
DV225S4	50	37	1760	117
DV225M4	60	45	1760	142

AC Motors & Brake Motors
Synchronous Speed 3600 rpm @ 60 Hz
2 Pole

Frame Size	hp	kW	rpm
DT71K2	0.33	0.25	3100
DT71C2	0.5	0.37	3300
DT71D2	0.75	0.55	3300
DT80K2	1	0.75	3300
DT80N2	1.5	1.1	3300
DT90S2	2	1.5	3300
DT90L2	3	2.2	3330
DT100L2	5	3.7	3370
DV132S2	7.5	5.5	3480
DV132M2	10	7.5	3500
DV132ML2	12.5	9.2	3490
DV160M2	15	11	3500
DV160L2	20	15	3510
DV180M2	25	18.5	3510
DV180L2	30	22	3510

David Brown Nomenclature



Series
Series M

Drive Sizes
03 through 14

Reductions
2 — Double
3 — Triple
4 — Quadruple
5 — Quintuple

Revision Version
0 etc.

Nominal Overall Ratio
See catalog for exact ratios

Drive Version
B — Base Mount
F — Flange Mount

Drive Type
M — Motorised
A — Drive to allow fitting of NEMA motor
G — Drive to allow fitting of IEC motor
R — Reducer Unit

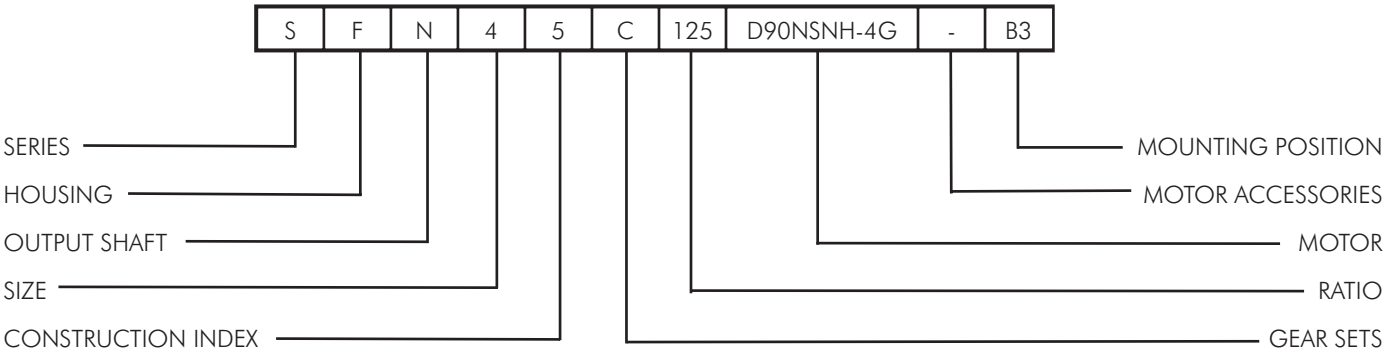
Output Shaft
N — Inch
C — Metric
E — IEC
L — Reduced Diameter for Size 03 Metric Only

Motor Adaptor for G or A Type Drive
See catalog

Motor Mounting Position
See catalog

Additional Features
See catalog

Brook Hansen Nomenclature



Series
Brook Hansen S3

Housing
F Foot mounted
C Cylindrical

Output Shaft
N Basic output shaft
F Flange mounted
E Flange mounted
R Flange mounted
M Flange mounted, heavy duty output shaft and bearings,
A Flange mounted, heavy duty output shaft and bearings, drywell, only for mounting positions V1, V5, V15
L Extended bearing span
P Extended bearing span, drywell, only for mounting positions V1, V5, V15

Size
0 through 9

Construction Index
See catalog

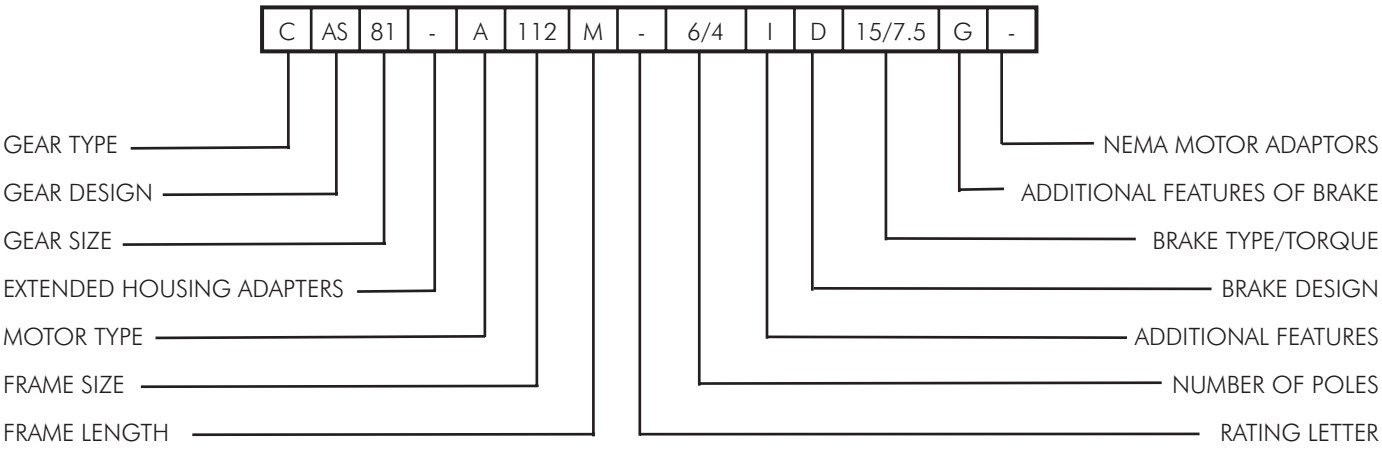
Gear Sets
A Singe stage
B Two stages
C Three stages
4 & 5 stages Combined geared motors, see catalog

Motor
See catalog

Motor Accessories
B Brake
BK Brake kit
T Tacho
F Forced ventilation

Mounting Positions
See catalog

Flender/Motox Nomenclature



Gear Type

E	Helical Gears — Single Stage
Z	Helical Gears — Two Stage
D	Helical Gears — Three Stage
FZ	Parallel Shaft Mounted Gears — Two Stage
FD	Parallel Shaft Mounted Gears — Three Stage
C	Worm Gear — Two Stage
S	Worm Gear — Single Stage
K	Bevel Gear
V	Belt Variator
L	Friction Drive 1
LK	Friction Drive 2

Gear Design

C	Foot mounted vertical
F	Flange design
B	Foot/Flange design
R	Agitator design
A	Hollow shaft design
H	Hollow shaft design including flange
D	Hollow shaft and torque arm
S	Shrink Disc design
FG	Flange on opposite side of shaft

Extended Housing Adapters

A	Adapter for separate gear
F	No brake, no motor
FM	No brake, with motor
FB	With brake, no motor
FBM	With brake, with motor
K	Adapter for BWN coupling and brake
K3	Reinforced design
KM	With motor
P	Execution “Piggy Back”
PM	With motor
PX	With backstip

Motor Type

AGM	Standard motor design
Q	Special design
U	Submersible motor
B	Single phase motor with C_R
K	Single phase motor with $C_R + C_{st}$
GS	Slip ring motor
GG	DC Motors
ERY	Increased safety motors
EAY	Increased safety motors
EG	Increased safety motors

Frame Length

S	Small
M	Medium
L	Large

Rating Letter

B, P	Additional marking for increased output within one frame size (increased core length)

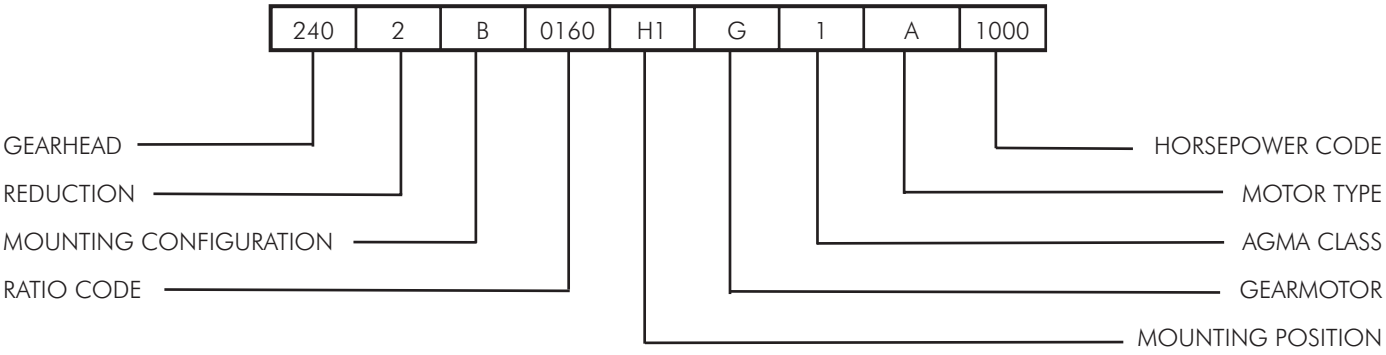
@SUBHEAD = Additional Features

F	External cooling
M	Sundry modifications
R	High resistance rotor
U	Non ventilated
X	Backstop
I	High inertia fan
W	Rain cover
H	Low noise level

Additional Features of Brake

N	Standard design
NH	Standard design with manual release
G	Encapsuled brake
GH	Encapsuled brake with manual release

Morse — Powerline Nomenclature



Mounting Configuration

B	Base Mount
F	Flange Mount

Ratio Code

0016	1.6:1
0018	1.8:1
0020	2:1
0022	2.2:1
0025	2.5:1
0028	2.8:1
0032	3.2:1
0036	3.6:1
0040	4:1
0045	4.5:1
0050	5:1
0056	5.6:1
0063	6.3:1
0071	7.1:1
0080	8:1
0090	9:1
0100	10:1
0112	11.2:1
0125	12.5:1
0140	14:1
0160	16:1
0180	18:1
0200	20:1
0224	22.4:1
0250	25:1
0280	28:1
0315	31.5:1
0355	35.5:1
0400	40:1
0450	45:1
0500	50:1
0560	56:1
0630	63:1
0710	71:1
0800	80:1
0900	90:1
1000	100:1
1120	112:1
1250	125:1
1400	140:1
1600	160:1

Style

G	Gearmotor

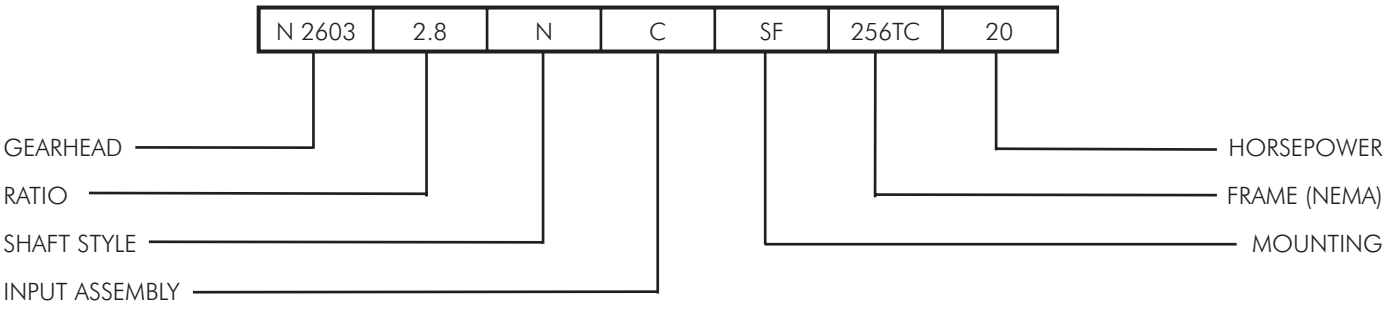
Motor Type

A	Integral, 1/3-10 HP (Series 2000), 4 Pole, 208/230/460 575/600 V, 3PH, 50/60 Cycle
B	Integral, 1/12-75 HP (Series 1900), 15-30 HP (Series 2000), 4 Pole, 575/600 V, 3PH 50/60 Cycle
D	Integral, 15-30 HP (Series 2000), 4 Pole, 208/230/460 3PH, 50/60 Cycle
E	Integral, 1/12-75 HP (Series 1900), 4 Pole, 115 V, 1PH, 50/60 Cycle
F	Integral, 1/12-75 HP (Series 1900), 4 Pole, 230/460 V, 3PH, 50/60 Cycle
Y	Integral motor with special features
Z	Integral brakemotor, see catalog

Horsepower

0008	1/12
0012	1/8
0016	1/6
0025	1/4
0033	1/3
0050	1/2
0075	3/4
0100	1
0150	1.5
0200	2
0300	3
0500	5
0750	7.5
1000	10
1500	15
2000	20
2500	25
3000	30

Leroy Somer Nomenclature



Gearhead

N 2002	N 15
N 2101	N 16
N 2102	N 17
N 2103	N 18
N 2201	N 19
N 2202	N 1A
N 2203	N 1B
N 2301	N 1C
N 2302	N 1D
N 2303	N 1E
N 2401	N 1F
N 2402	N 1G
N 2403	N 1H
N 2501	N 1J
N 2502	N 1K
N 2503	N 1L
N 2602	N 1M
N 2603	N 1N
N 2702	N 1P
N 2703	N 1Q
N 2802	N 1R
N 2803	N 1S
N 2903	N 1U

Shaft Style

Special	O
NXT 2000	N

Input Assembly

Special	0
1 Phase Integral Motor	1
3 Phase Integral Motor	3
Input Shaft	A
Input Shaft with Backstop	B
C-Face	C
Input Shaft w/Scoopmount	S
Input Shaft w/Scoopmout & Backstop	U
3 Phase Integral Brake motor FCO	V

Ratio

1.3	11
1.8	12
2	13
2.24	14
2.5	15
2.8	16
3.2	17
3.6	18
4	19
4.5	1A
5	1B
5.6	1C
6.3	1D
7.1	1E
@NOMEN TEXT S = 8	1F
9	1G
10	1H
11.2	1J
12.5	1K
14	1L
16	1M
18	1N
20	1P
22.4	1Q
25	1R
28	1S
31.5	1T
35.5	1U
40	1V
45	1W
50	1X
56	1Y
63	21
71	22
80	23
90	24
100	25
112	26
125	27
140	28
160	29

Mounting

Special	0
SC	1
SD	2
SF	3
SU	6
SW1	7
SW2	8
OD	9
OU	C
OW1	D
OW2	E
OW3	F
OW4	G

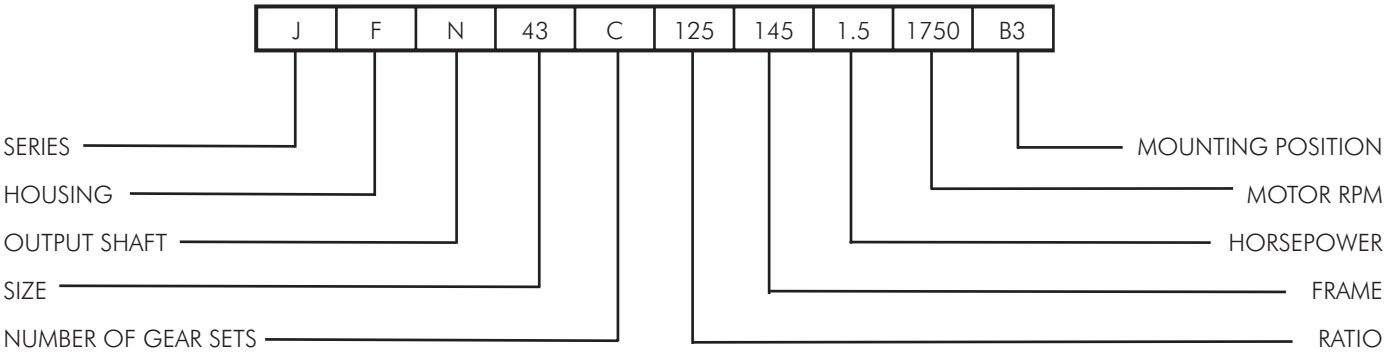
Frame (NEMA)

Special	0
No Motor	2
326T (200L)	J
324T (200M)	K
286T (180L)	L
284T (180M)	M
256T (160L)	N
254T (160M)	P
215T (132L)	Q
213T (132S)	R
184T (112)	S
182T (100)	T
@NOMEN TEXT S = 145T (90L)	V
143T (90S)	W
56 (80)	Y
48 (63/71)	Z

HP

Special	0
No Motor	2
1/3	B
1/2	C
3/4	D
1	E
1.5	F
2	G
3	H
5	J
7.5	K
10	L
15	M
20	N
25	P
30	Q

Hansen J & Winsmith J Nomenclature



Series

J

Housing

F	Foot mounted
C	Cylindrical

Output Shaft

N	Basic output shaft
F	Flange mounted
A	Extended flange, drywell and pump
L	Extended bearing housing
P	Extended bearing housing, drywell and pump

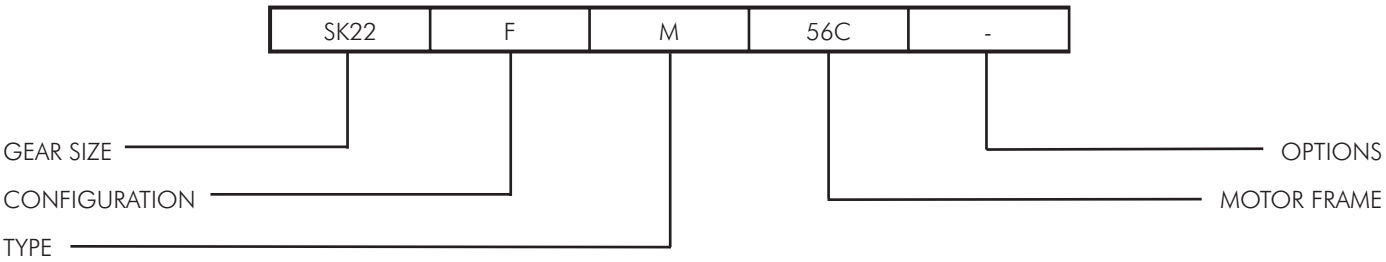
Number of Gear Sets

A	Singe stage
B	Two stages
C	Three stages
4 & 5 stages	See catalog

Mounting Positions

B3	Floor foot mounted
B5	Horizontally flange mounted
B6	Wall foot mounted; shaft to LHS
B7	Wall foot mounted; shaft to RHS
B8	Ceiling foot mounted
B35	Floor foot & flange mounted
V1	Vertically flange mounted; shaft downwards
V5	Wall foot mounted; shaft downwards
V15	Foot & flange mounted; shaft downwards

Nord — Unicase Nomenclature



Gear Size

SK11 — SK51	Helical Inline, 1 stage
SK02 — SK102	Helical Inline, 2 stage
SK03 — SK103	Helical Inline, 3 stage
SK12/02 — SK103/53	Compound stage
SK1282 — SK9282	Shaft Mount, 2 stage
SK1382 — SK9382	Shaft Mount, 3 stage
SK1282/02 — SK9382/52	Compound stage
SK02050 — SK42125	Helical Worm, 2 stage
SK13050 — SK43125	Helical Worm, 3 stage
SK0622 — SK24092	Helical Bevel, 3 stage
SK0623 — SK24093	Helical Bevel, 4 stage

Configuration

Blank	Foot Mount
A	Hollow Shaft
F	Flange Mount
AF	Hollow Shaft, Flange
PV	Solid Shaft, Foot Mount
V	Solid Shaft
VF	Solid Shaft, Flange

Type

Blank	Ingegral Gearmotor
C	C-Face Reducer
M	NEMA Gearmotor
P	P-Mount
S	Sugar Scoop
W	Gear Reducer

Motor Frame

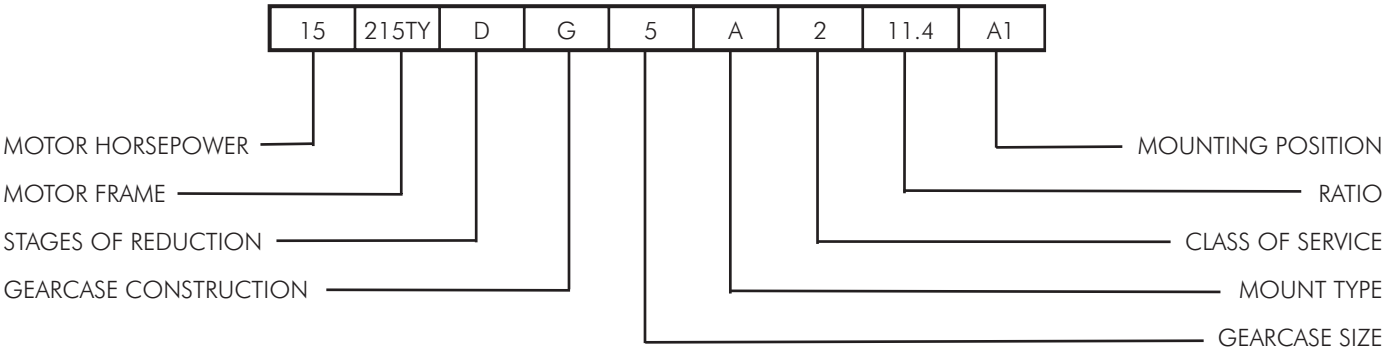
Integral Motors
71l, 80S, 80L, 90S, 90L, 100L/40, 132S, 132M, 160M, 160L, 180M, 180L, 200L, 225S, 225M, 250M. 280S, 280M, 315S, 315M

C-Face Motor
56C, 143TC, 145TC, 182TC, 184TC, 213TC, 215TC, 254TC, 256TC, 284TC, 286TC

Options

BRE	Brake
BRE/HL	Brake Hand Release
TH	Thermostat
TF	Thermistors
V	Auxiliary Fan
Z	Heavy Flywheel/Fan

Dodge APG Nomenclature



Stages of Reduction

S Single
D Double
T Triple

Gearcase Construction

G Integral Gearmotor
M C-Face Motorized
R Separate Reducer

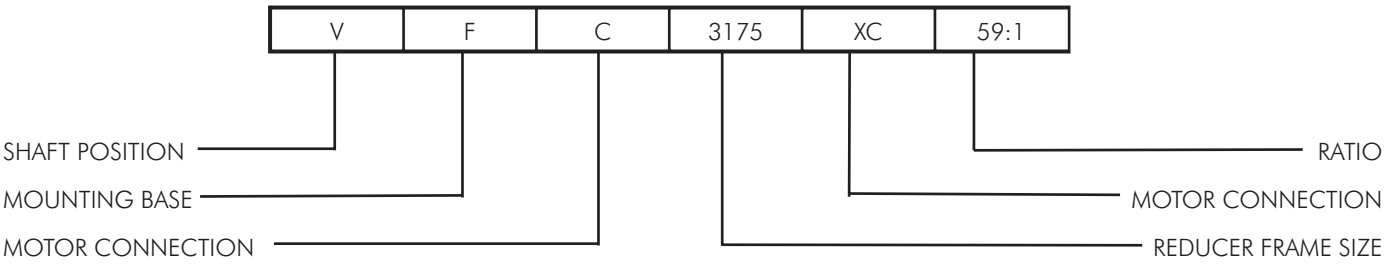
Mount Type

A Footmount
F Flange Mount

Mounting Position

See catalog

Sumitomo Nomenclature



Shaft Position

H	Horizontal
V	Vertical — shaft down
W	Vertical — shaft up
14V	Special extended base
17V	Special extended base

Mounting Base

H	Foot mount
V	Base mount
F	Flange mount

Motor Connection or Special Feature

C	Adaptor for round body, NEMA C-face motor
P	Motor mounting plate with pulley — V-belt connection
M	Integral gear motor — see catalog
S	Special or modified

Reducer Frame Size

See catalog

Motor Connection or Special Feature

SB	Motor mounting shovel base with coupling connection to reducer
HS	Hollow input shaft and adaptor for round body, NEMA C-face motor
BP	Base plate with coupling connection to reducer
XC	Spherical roller bearings and cast iron housing
XD	Spherical roller bearings and ductile iron housing

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