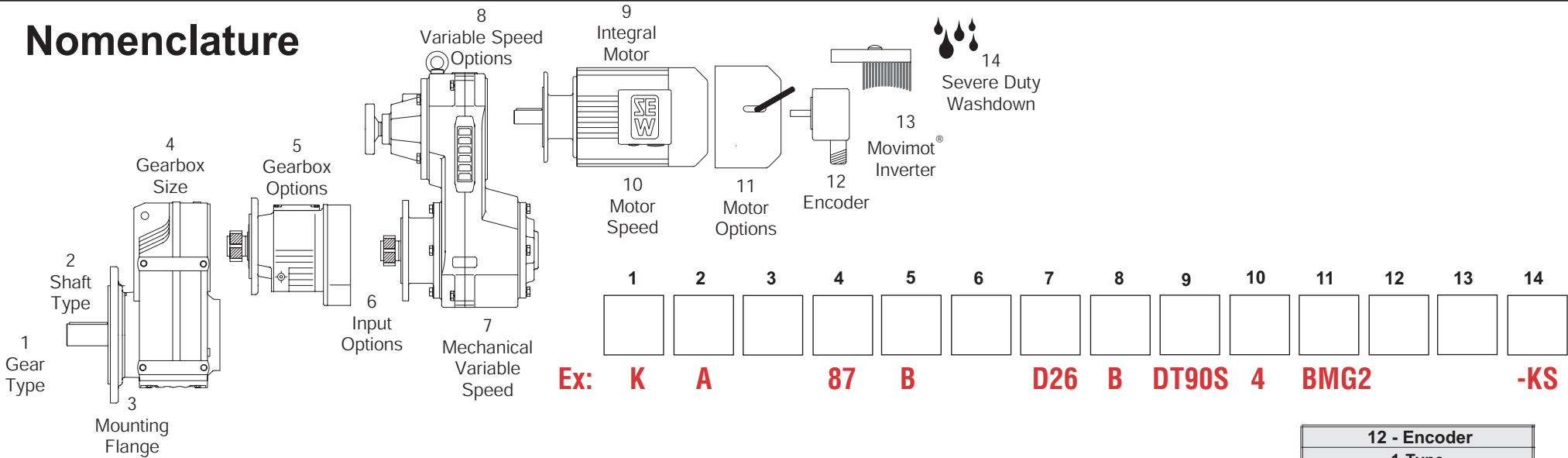


# Nomenclature



1 2 3 4 5 6 7 8 9 10 11 12 13 14

Ex: **K A 87 B D26 B DT90S 4 BMG2 -KS**

1 - Gear Type	
<b>R</b>	Helical
<b>F</b>	the Snuggler®
<b>K</b>	Bevel
<b>S</b>	Worm
<b>W</b>	Spiroplan® (Hypoid)

2 - Shaft	
—	Solid
<b>A</b>	Hollow
<b>H</b>	Shrink Disc
<b>V</b>	Spline
<b>T</b>	TorqLOC™ - Hollow with Tapered Bushing

3 - Flange	
<b>F</b>	B5 Flange - 1 Side
<b>FF</b>	B5 Flange Both Sides
<b>Z</b>	B14 Flange
<b>M</b>	Agitator Extension

4 - Size	
<b>R</b>	07 - 167
<b>F</b>	27 - 157
<b>K</b>	37 - 187
<b>S</b>	37 - 97
<b>W</b>	10 - 30

5 - Gear Options	
<b>R</b> __	Added Gear Reducer
<b>B</b>	Rail Holes (F Box)
<b>B</b>	Feet (KA Box)
<b>F</b>	Feet + Flange (R Box)
<b>T</b>	Torque Arm
<b>G</b>	Torque Arm Bushing (F Box)

6 - Input Options	
<b>A</b>	No Input
<b>AD</b> __	Input Shaft
<b>AD_P</b>	Input Shaft + Platform
<b>AD_RS</b>	Input Shaft + Backstop
<b>AD_ZR</b>	Input Shaft + Shoulder
<b>AD_ZS</b>	Input Shaft + Scoop
<b>AM</b> __	NEMA/IEC C-Face
<b>AM_RS</b>	NEMA/IEC C-Face + Backstop
<b>AQ</b> __	Servo Input
<b>AR</b> __	Torque Limit Coupling
<b>AR_W</b>	Torque Coupling + Speed Monitor
<b>AR_WS</b>	Torque Coupling + Slip Monitor
<b>AT</b> __	Centrifugal Coupling
<b>AT_RS</b>	Centrifugal Coupling + Backstop
<b>AT_BM(G)</b>	Centrifugal Coupling + Brake

7 - Mechanical Variable Speed	
<b>D</b> __	Varimot® Disc Drive
<b>VU</b> __	Varigear® Belt Drive U-Flow
<b>VZ</b> __	Varigear® Belt Drive Z-Flow

8 - Variable Speed Options	
<b>H</b>	Handwheel @ 90
<b>S</b>	Position Dial
<b>HS</b>	90 Handwheel + Position Dial
<b>BMG</b>	Brake on Pulley Shaft
<b>B</b>	Nitrated Pulleys
<b>B</b>	Chrome Disc
<b>N</b>	No Handwheel
<b>EF</b>	Remote Speed Control
<b>DA</b>	Digital Meter
<b>IG</b>	Pickup w/o Meter
<b>U</b>	No Vents on Varigear®
<b>GH</b>	Gear Half of Varimot®

9 - Integral Motor Frame Size	
<b>DT</b> __ or <b>DV</b> __	Standard AC Induction
<b>SDT</b> __ or <b>SDV</b> __	2-Speed 40/100% Duty
<b>DS</b> __ or <b>DY</b> __	Synchronous Servo

10 - Motor Speed (60Hz)	
<b>2</b>	3600 rpm
<b>4</b>	1800 rpm
<b>6</b>	1200 rpm
<b>8</b>	900 rpm
<b>4/2</b>	1800/3600 rpm
<b>8/4</b>	900/1800 rpm
<b>6/2</b>	1200/3600 rpm
<b>8/2</b>	900/3600 rpm
<b>12/2</b>	600/3600 rpm

11 - Motor Options	
<b>BMG</b> __	Motor Brake (71 - 132S)
<b>BM</b> __	Motor Brake (132M +)
<b>B</b>	Servo Brake
<b>HF</b>	Screw Type Brake Release
<b>HR</b>	Lever Type Brake Release
<b>IS</b>	SEW 12-Pin Plug Connector
<b>AB</b> __	Harting Han-modular Male 1 x C + 1 x E Connector
<b>AC</b> __	Han 10E Male Connector 10-pin (8 norm+ 2 short)
<b>AM</b> __	Harting Han-modular 2 x E Male Connector
<b>AS</b> __	Han 10ES Male Connector 10-pin (10 normal)
<b>RS</b>	Backstop
<b>C</b>	Canopy
<b>U</b>	TENV
<b>Z</b>	High Inertia Cast Iron Fan
<b>VS</b>	Vent Fan 1 Phase
<b>V</b>	Vent Fan 3 Phase
<b>VR</b>	Vent Fan 24V
<b>VY</b>	Vent Fan Servo
<b>TF</b>	Thermistors (Controller Needed)
<b>TH</b>	Thermostats

12 - Encoder	
1-Type	
<b>E</b>	Incremental Encoder
<b>A</b>	Absolute Encoder
<b>N</b>	Proximity Sensor
<b>X</b>	Non-SEW Encoder
2-Shaft	
<b>S</b>	Spread Shaft
<b>V</b>	Solid Shaft
<b>H</b>	Hollow Shaft
3-Size	
<b>1</b>	All Solid Shafts Spread Shaft (71 - 100L)
<b>2</b>	Spread Shaft (112 - 132S) All Proximity Sensors
4-Signal	
<b>A</b>	Hardware Less Encoder
<b>C</b>	24 V <sub>DC</sub> In 24 V <sub>DC</sub> HTL Out
<b>R</b>	24 V <sub>DC</sub> In 5V <sub>DC</sub> TTL Out
<b>S</b>	24 V <sub>DC</sub> In 1V SS Sin/Cos Out
<b>T</b>	5 V <sub>DC</sub> In 5 V <sub>DC</sub> TTL Out
<b>Y</b>	15-24 V <sub>DC</sub> In SSI Interface Out (SEW Absolute)
<b>6</b>	24 V <sub>DC</sub> In 6 Pulses/Rev Out

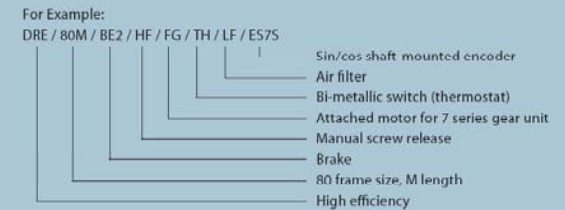
13 - MOVIMOT	
<b>MM03</b>	.5 HP
<b>MM05</b>	.75 HP
<b>MM07</b>	1.0 HP
<b>MM11</b>	1.5 HP
<b>MM15</b>	2.0 HP
<b>MM22</b>	3.0 HP
<b>MM30</b>	5.0 HP

14 - Severe Duty	
<b>-KS</b>	Severe Duty Package

SEW Type Code Designations – Asynchronous Motors

DT/DV Type Code	DR Type Code	Description
<b>Designation</b>		
DT/DV/DTE/DVE	E	High efficiency <sup>1</sup>
ET/EV	K	Single-phase motor
CT/CV	L	Asynchronous servo
MT/MV	M	Torque motor
...	P	Premium efficiency (NEMA Premium) <sup>1</sup>
DT/DV	S	Standard efficiency
<b>Frame Size</b>		
56-280	71-225...315	Shaft height
<b>Length</b>		
...	K	Motor length (315 frame size) - compact
L	L	Motor length – long
M	M	Motor length – medium
S	S	Motor length - short
<b>Rotor Cage Material</b>		
-	-	Aluminum
...	C	Copper
<b>Brake Type</b>		
BM(G)	BE	Brake designation
<b>Brake Option</b>		
...	DUB	Function and wear monitoring device
HF	HF	Manual screw release
HR	HR	Manual hand release
<b>Flange Mounted Designs</b>		
...	FC	NEMA C-face flange (B14)
...	FE	IEC flange with bores and IEC feet (B35)
...	FF	IEC flange with bores (B5)
...	FG	Motor prepared for 7 series gear unit
...	FI	IEC foot mounted motor (B3)
...	FL	Flange deviation from IEC (B5)
...	FM	Motor with IEC feet prepared for 7 series gear unit
...	FT	IEC flange with threads (B14)
...	FY	IEC flange with threads and IEC feet (B34)
<b>Thermal Motor Protection</b>		
...	KY	Temperature measurement via KTY
...	PT	Temperature measurement via PT100
TF	TF	Thermal protection via PTC (Thermistor)
TH	TH	Thermal protection via switch (Thermostat)
...	TS	Thermal protection via switch (Normally open)

DT/DV Type Code	DR Type Code	Description
<b>Motor Options</b>		
...	AL	Aluminum fan
C	C	Protection canopy fan guard
...	DH	Condensation drain hole plug
...	ERF	Reinforced bearing (315 frame size)
...	LF	Air filter
...	LN	Low noise fan guard
MM.C	MM.D	MOVIMOT® (DR71-100 frame size)
MSW	MSW	MOVI-SWITCH® (DR71-100 frame size)
...	NIB	Insulated bearing (315 frame size)
...	NS	Relubrication device (315 frame size)
...	OL	Non-ventilated, closed B-side
...	RI	Reinforced winding insulation > 500V
RS	RS	Backstop
U	U	Non-ventilated
VR, VS, V	V	Forced cooling fan
Z	Z	Flywheel fan, cast iron
2WE	2W	2 <sup>nd</sup> shaft end
<b>Feedback Devices</b>		
ES1S, ES2S, EV1S (71-132)	ES7S (71-132)	Sin/cos shaft-mounted encoder
EV1S (160-225)	EG7S (160-225)	Sin/cos shaft-mounted encoder
ES1R, ES2R, EV1R (71-132)	ES7R (71-132)	TTL (RS-422) shaft-mounted encoder
EV1R (160-225)	EG7R (160-225)	TTL (RS-422) shaft-mounted encoder
EV1T (71-132), EV1C (71-132)	ES7C (71-132)	HTL shaft-mounted encoder
EV1T (160-225), EV1C (160-225)	EG7C (160-225)	HTL shaft-mounted encoder
AV1Y (71-132)	AS7Y (71-132)	SSI shaft-mounted encoder absolute encoder
AV1Y (160-225)	AS7Y (160-225)	SSI shaft-mounted encoder absolute encoder
AS3H, AS4H, AV1H (71-132)	AS7W (71-132)	RS-485 shaft-mounted encoder absolute encoder
AV1H (160-225)	AG7W (160-225)	RS-485 shaft-mounted encoder absolute encoder
...	EI7C (71-132)	HTL integrated encoder
NV16/26 (71-132)	EI76 (71-132)	HTL integrated encoder
NV12/22 (71-132)	EI72 (71-132)	HTL integrated encoder
NV11/21 (71-132)	EI71 (71-132)	HTL integrated encoder
<b>Motor Plug Connectors</b>		
AC../AS../AM../AD../AB..	AC../AS../AM../AD../AB..	Modular connection kit (Harting style)
IS	IS	Integrated into terminal box



<sup>1</sup>U.S. DOE Compliance Certification Number CC056A