



MOTOVARIO ASSEMBLY CENTRE STOCK CATALOGUE

BeTech


MOTOVARIO®
HEART OF MOTION
a **TECO Group** company

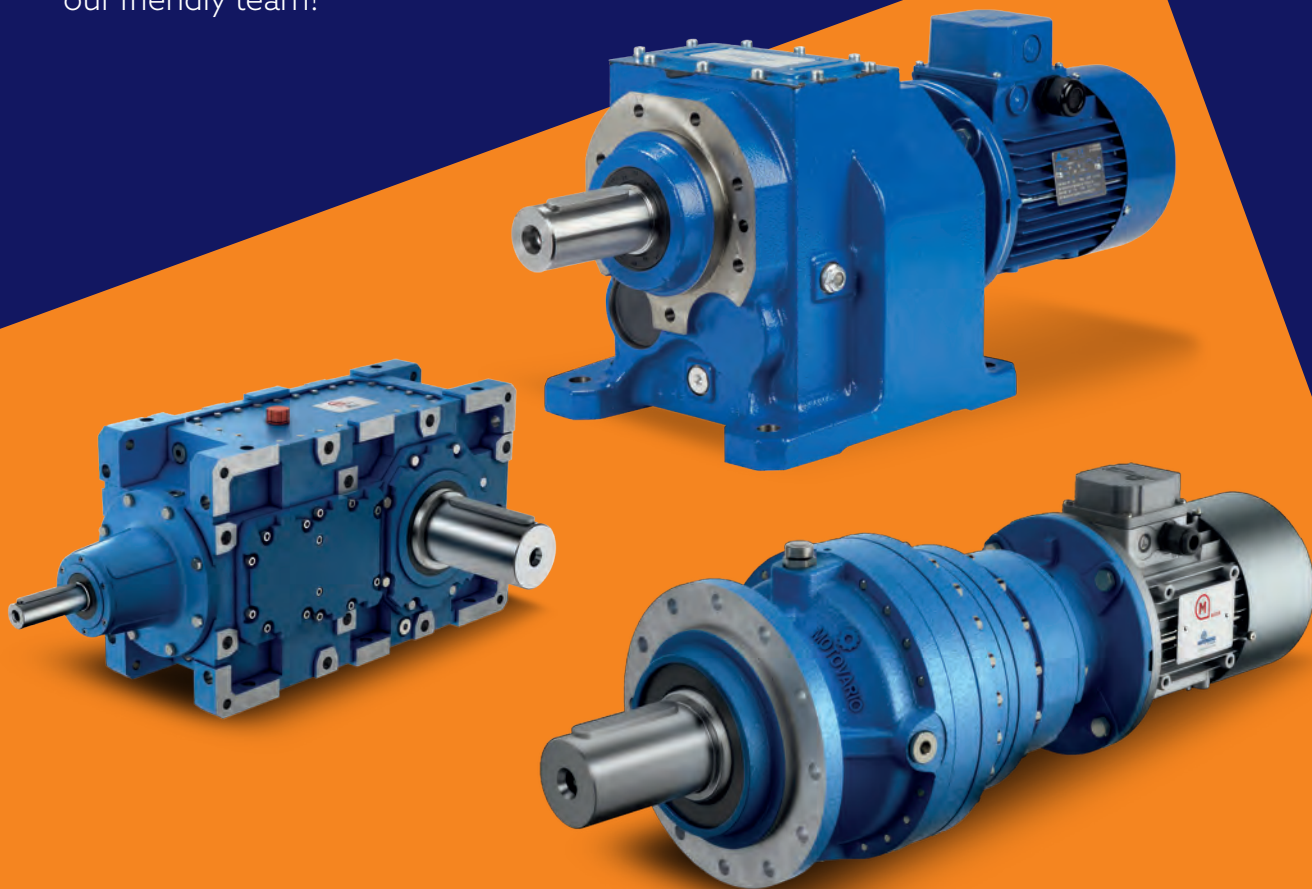
BETECH EXPERTS IN INDUSTRIAL DRIVES

Welcome to our first Motovario Assembly Centre Catalogue. Motovario are one of the best known and trusted manufacturers of geared motor products in the world. We are very proud to be one of their key partners.

Over the last few years, we've continued to invest in our stock portfolio to ensure our customers can get what they need fast. We keep a huge range of different styles and sizes, accessories and options. In 2024, we will be producing the BA series of aluminium bevel helical gearboxes from stock for the first time, as well as some new optional shaft sizes to aid crossing over alternative manufacturers.

The catalogue contains lots of useful information, with a guide to our stock range, an overview of dimensions and the most popular mounting accessories, and some very handy cross reference charts. These charts provide a quick reference of the nearest Motovario sizes to alternative makes and models, should you ever need to replace one.

As always, if there is anything we can help with, please do not hesitate to contact our friendly team!



- Thousands of geared motor selections available from stock
- Our expert team are on hand to provide selection advice, support and amazing customer service
- Reliable nationwide logistics for fast same or next working day delivery with late order-despatch cut off

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BETECH EXPERTS IN INDUSTRIAL DRIVES

Betech are a distributor of world class industrial drives, driven to provide our customers with amazing service and support.

Trading for over 36 years, Betech are an established nationwide distributor of electric motors, gearboxes and geared motors, variable speed drives, automation and electromagnetic clutches and brakes. We are a key partner of numerous leading manufacturers, who have a reputation for providing exceptional quality products trusted on the most demanding applications.

We focus on offering the best possible service to our customers. We provide the fast enquiry response, technical support and advice, huge stock availability and reliable logistics that our resale and OEM customers demand in order to collectively meet and exceed the expectations of end users.



WHY BETECH?



CUSTOMER SERVICE AND SUPPORT

Our dedicated and friendly team are always on hand to provide a rapid response to your enquiries, providing the support you need to service your customer.



PRODUCT KNOWLEDGE AND EXPERIENCE

Industrial drives are our speciality, whether it's help making a selection for a new application or assistance replacing a failed unit. We invest in regular training to ensure our team know their product.



STOCK HOLDING AND FAST DELIVERY

When it comes to stock, we have you covered. We have a huge inventory of motors, gearboxes and variable speed drives available for fast same or next day delivery.



PRODUCT QUALITY AND WARRANTY

All geared motors go through rigorous quality checks prior to despatch, and are assembled to the same standards as the main factory. All Motovario gearbox products come with a two year warranty.

OUR PARTNERS



BALDOR • RELIANCE



CLEAN-GEARTECH



SPRINT ELECTRIC

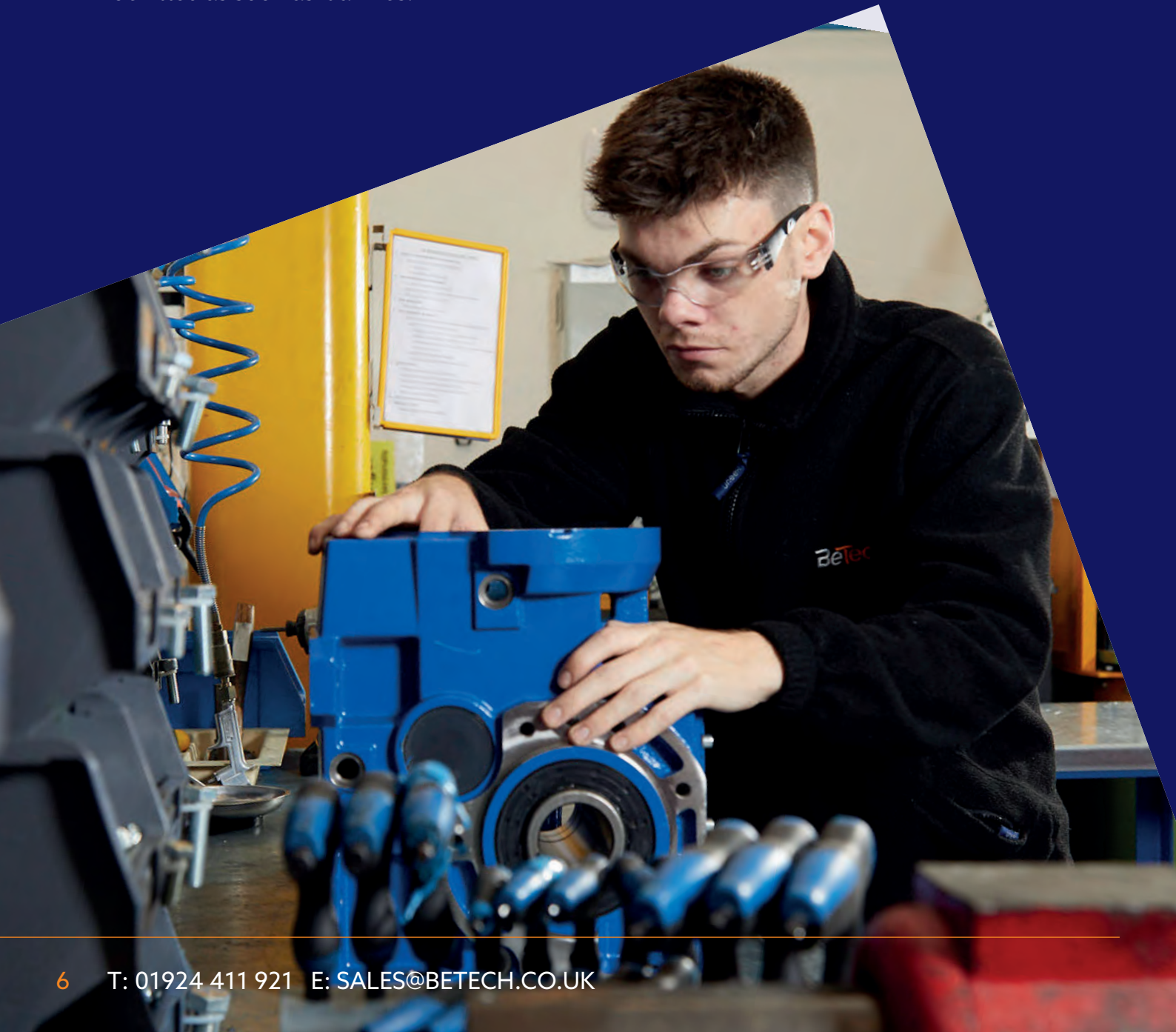
WARNER ELECTRIC
A REGAL REXNORD BRAND

MOTOVARIO ASSEMBLY CENTRE

As a Motovario Assembly Centre, we are officially certified by the main factory in Italy to build a wide range of Motovario geared motors from stock for fast UK wide delivery.

Stocking in component form allows us maximum flexibility. Whether the application requires a helical inline, bevel helical, helical worm or parallel shaft mounted unit, we can build it quickly to order in our UK Assembly Centre.

We undergo regular training and assessment, as well as following rigorous quality and testing procedures, to ensure all units conform with the high standards set by the manufacturer. Each unit is assembled using European manufactured components and is supplied with a two year warranty for peace of mind. We also lubricate all units as required, so its ready to be fitted as soon as it arrives.



THE MAC 5 STEP PROCESS



1 CONTACT US

Contact our friendly team to discuss your requirements – we will advise you on the best solution for your application and provide a quote.



2 YOUR ORDER

Your order will be entered into our bespoke ERP system and will be monitored by our team every step of the way



3 COMPONENTS PICKED

The European manufactured quality components are picked by the stores team and inspected by the MAC engineer prior to assembly.



4 MANUFACTURER ASSEMBLY

We then follow the manufacturer assembly procedure, ensuring all units are built to the same high standards as the main factory in Italy.



5 FINAL INSPECTION & DESPATCH

A final inspection by the warehouse manager takes place, before being packed with care. It is then despatched to one of our logistics partners, for fast secure delivery.



ON ALL MOTOVARIO GEARBOXES

MOTOVARIO THE HEART OF MOTION

Founded in 1965, Motovario are an Italian manufacturer known the world over for excellence in transmission components. With an unwavering commitment to quality, reliability and customer service, Motovario products are trusted to perform on a wide variety of industrial and civil applications.

They design, produce and market a wide range of products, including helical, bevel helical, parallel shaft mount, worm and planetary gear reducers, as well as electric motors, inverters and mechanical variable speed.

With a manufacturing focus on quality, Motovario have invested in sophisticated and efficient production systems that ensure exceptional products at competitive prices.



GEARBOXES OVERVIEW

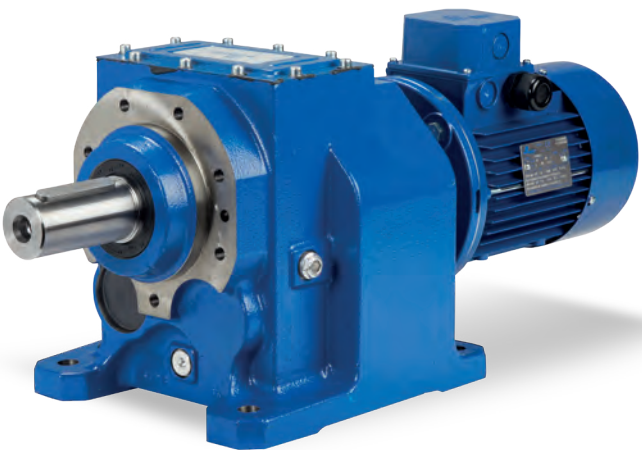


H SERIES - INLINE HELICAL GEARBOXES

Designed to offer maximum performance and reliability in the harshest operating conditions.

- Up to 8000Nm nominal output torque
- Ratios from 1,33 through to 353,98:1
- European standard footprint for easy interchange of other manufacturers
- Available for flange mounting with several flange sizes to choose from
- Available with IEC or NEMA motor inputs or solid input shaft.

H Series Available Sizes	Max Torque Rating	Stock Shaft Size	Optional Shaft Size
H032/33	200Nm	25mm	
H042/43	300Nm	30mm	
H052/53	500Nm	35mm	
H062/63	850Nm	40mm	35mm
H082/83	1800Nm	50mm	40mm
H102/103	3600Nm	60mm	
H122/123	5000Nm	70mm	
H142/143	8000Nm	90mm	



HA SERIES - ALUMINIUM INLINE HELICAL GEARBOXES

Lightweight yet mechanically strong, the cost-effective helical inline solution for low power applications.

- Up to 500Nm nominal output torque
- Ratios from 1,33 through to 353,98:1
- Versatile design for foot, flange or universal mounting
- Available with compact motor option to reduce overall footprint

HA Series Available Sizes	Max Torque Rating	Stock Shaft Size	Optional Shaft Size*
HA32/33	100Nm	20mm	19mm
HA42/43	150Nm	25mm	28mm
HA52/53	300Nm	30mm	35mm
HA62/63	480Nm	40mm	35mm

* Several optional shafts available – see dimension charts on pages 16-17

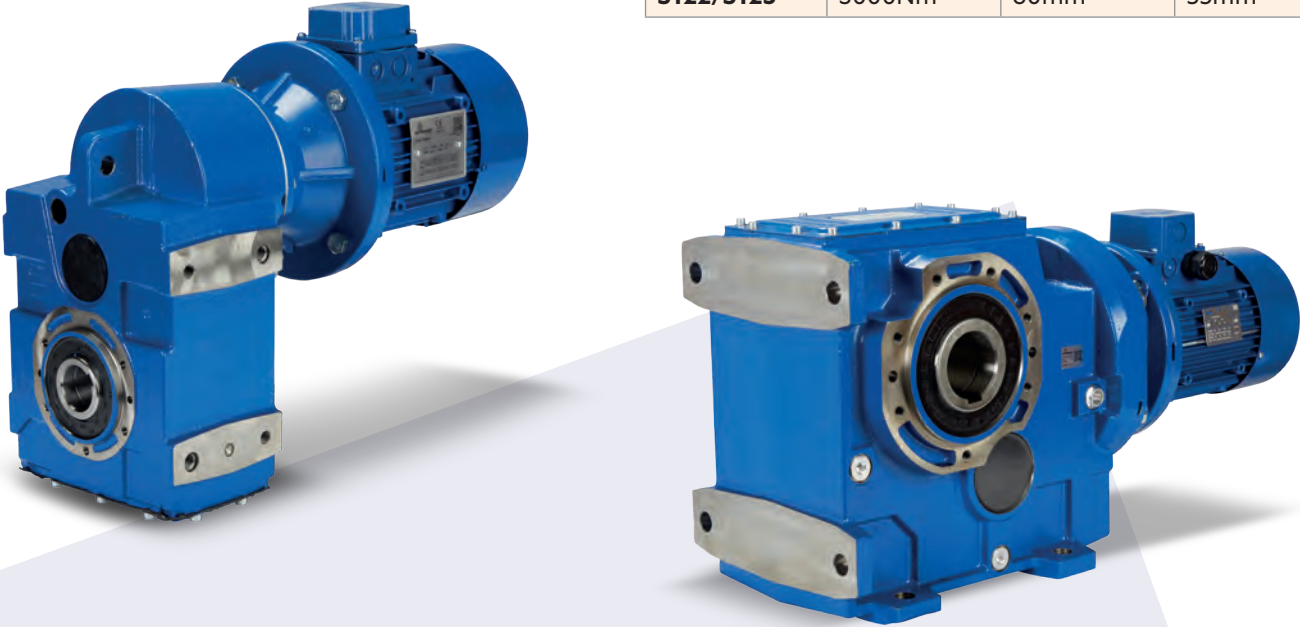
GEARBOXES OVERVIEW

S SERIES - SHAFT MOUNTED GEARBOXES

Ideal for direct mounting on to driven shaft in applications such as screw conveyors or augers, suitable for tough environments.

- Up to 3000Nm nominal output torque
- Exceptional mechanical strength and build quality
- Range of mounting options available
- Available with IEC or NEMA motor inputs or solid input shaft

S Series Available Sizes	Max Torque Rating	Stock Bore Size	Optional Bore Size
S052/53	350Nm	30mm	
S062/63	600Nm	35mm	
S082/83	1000Nm	40mm	45mm
S102/103	1600Nm	50mm	45mm
S122/S123	3000Nm	60mm	55mm



B SERIES - BEVEL HELICAL GEARBOXES

Trusted to perform on a wide range of applications, Motovario's bevel helical gearboxes are built to last.

- Up to 13000Nm nominal output torque and 100mm hollow bore
- Wide range of options and mounting accessories
- Reduction ratios between 5,71:1 and 187,24:1. Can also be combined with helical inline stages for slower output speeds
- European standard footprint for easy interchange of other manufacturers

B Series Available Sizes	Max Torque Rating	Stock Bore Size	Optional Bore Size
B063	600Nm	35mm	40mm
B083	850Nm	40mm, 45mm	
B103	1800Nm	50mm	45mm
B123	3500Nm	60mm	55mm
B143	5000Nm	70mm	
B153	8000Nm	90mm	80mm
B163	13000Nm	100mm	

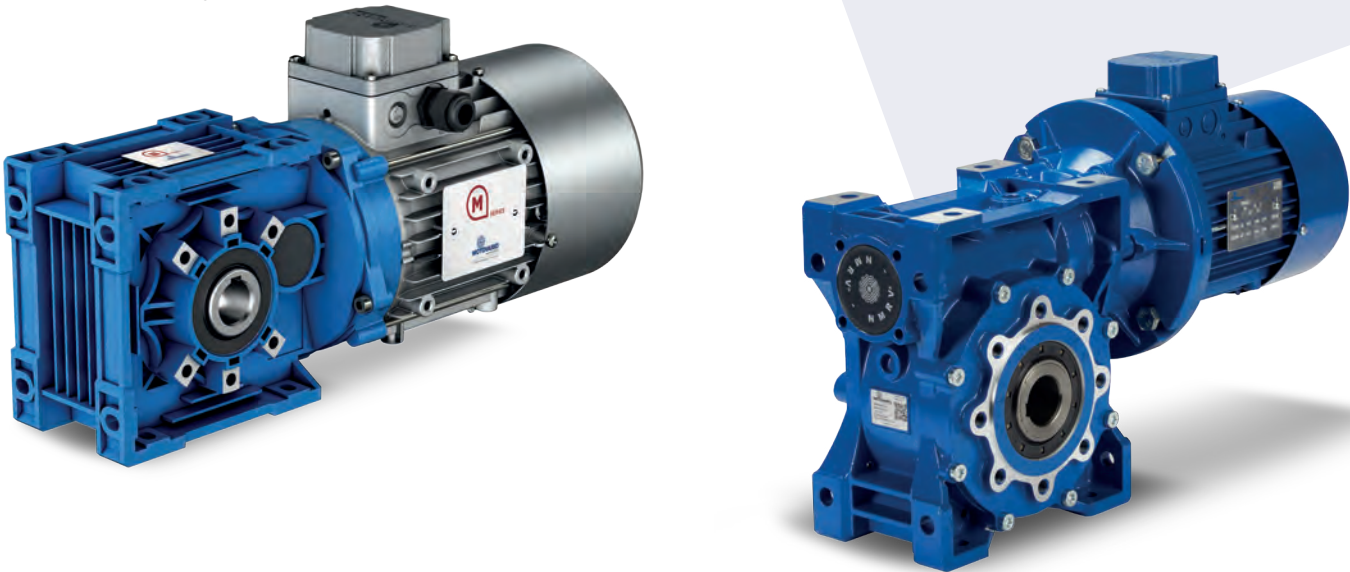


BA SERIES - ALUMINIUM BEVEL HELICAL GEARBOXES

Offering an efficient alternative to the traditional worm gearbox, the BA series is now available on short delivery times.

- 3 Casing sizes offer up to 450Nm nominal torque
- Compact casing designs in 2 or 3 reduction stage configurations
- Ratios between 7,62:1 and 442,76:1
- Modular mounting options including torque arms and output flanges

BA Series Available Sizes	Max Torque Rating	Stock Bore Size	Optional Bore Size
BA42/43	120Nm	20mm	
BA52/53	220Nm	25mm	28mm
BA72/73	450Nm	35mm, 30mm	



NMRV/NMRV-P SERIES - WORM & HELICAL WORM GEARBOXES

Worm gearboxes that are proven to last. Superior torque performance, reliability and build quality at a competitive price.

- Up to 1550Nm nominal torque
- Manufactured in Italy using European components
- Two year warranty
- Wide choice of hollow bore sizes, all available from stock
- Available in helical worm and double worm combinations for higher reductions

NMRV/NMRV-P Series Available Sizes	Max Torque Rating	Stock Bore Size	Optional Bore Size
NMRV030	20Nm	14mm	
NMRV040	48Nm	18mm, 19mm, 20mm	
NMRV050	88Nm	25mm, 24mm	
NMRV-P063	160Nm	25mm, 28mm	30mm
NMRV-P075	247Nm	28mm, 30mm, 32mm, 35mm	
NMRV-P090	432Nm	35mm, 38mm	40mm
NMRV-P110	725Nm	42mm	
NMRV130	1050Nm	45mm	

SW SERIES - WORM GEARBOXES

Compact, round style casing worm gearbox built with the same internal components as the NMRV Series.

- Previously known as Spaggiari
- Interchangeable with several alternative manufacturers
- Factory lubricated for the lifespan of the unit, eliminating the need for any maintenance
- Available in 7 casing sizes up to 110mm centres
- Mounting options include feet mounting kits, torque arms and output flanges



S/TXF SERIES - MECHANICAL VARIATORS

Adjustable, mechanical speed control, ideal for harsh conditions or where variable speed drives are impractical.

- S series available in 7 sizes for motor inputs up to 7.5kW
- Quiet, vibration free running
- Robust cast iron casings
- Available in foot or flange mounted versions
- TXF Series is available in 3 series and provides a lower cost solution, suitable for motor powers up to 2.2kW



MOTOVARIO COMPARISON GUIDES

Quickly compare alternative manufacturer makes and models with our online comparison guide www.betech.co.uk/motovario-comparison-guide

The Betech online comparison tool is a brand new feature designed to make gearbox selection easier than ever before. Easy to use, you can quickly compare alternative manufacturer makes and models with our UK stocked Motovario products.



HPL SERIES - PLANETARY GEAR REDUCERS

THE PIONEERING NEW PROJECT FROM MOTOVARIO

Motovario's new range of industrial planetary gear reducers are designed to meet the needs of power transmissions that require high density torque and low rotational speeds.

With 13 sizes and nominal performance from 1000 to 100,000Nm, the HPL series will offer solutions for both light and heavy duty applications. With exceptional performance, modern design and robustness, the Motovario HPL reducer will be superior to any planetary gearbox on the market today.

- European production of components and supply chain ensure short lead times and lower environmental impact
- Exceptional nominal performance thanks to a design based on new generation technologies
- From 1 to 4 reduction stages for ratios up to nearly 3000:1
- Modular design with a wide range of options and accessories including backstop device, torque arm, solid or hollow output shafts, splined output shafts and shrink disc design



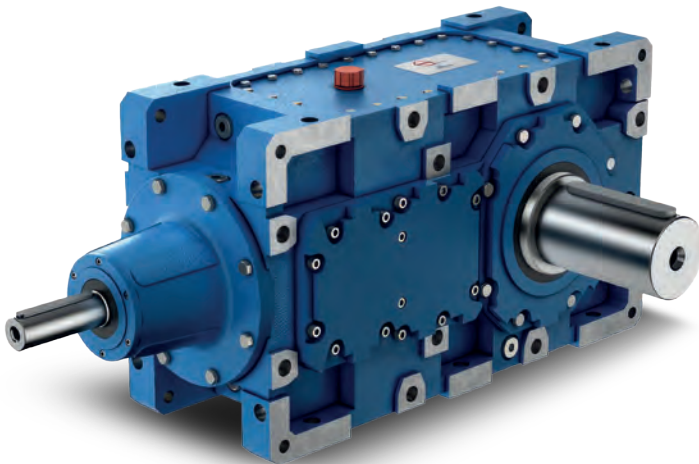
MHD SERIES - GEAR REDUCERS

SOLUTIONS FOR MEDIUM AND HEAVY-DUTY APPLICATIONS

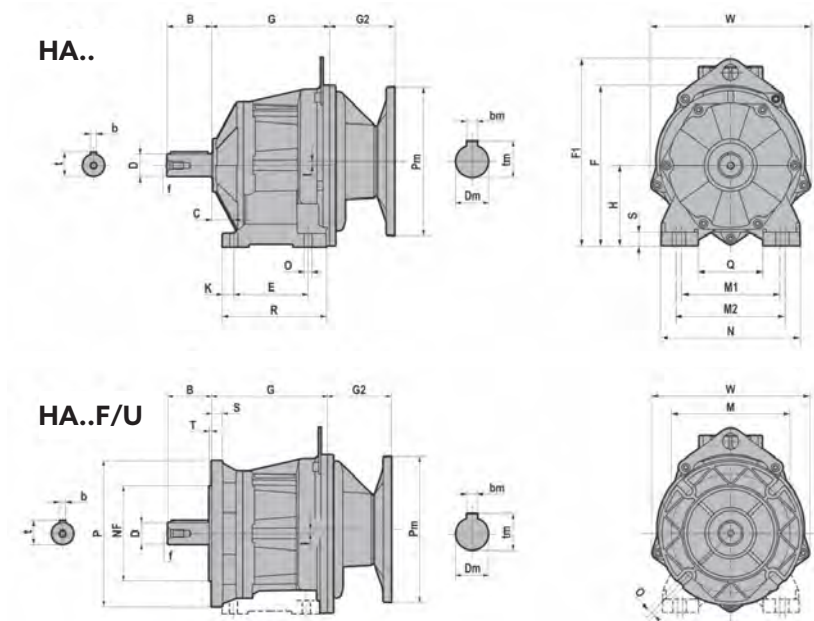
The MHD series from Motovario consists of parallel helical and bevel helical gear reducers of up to 4 reduction stages, and are designed for continuous, critical and arduous applications.

The series is available in 10 sizes with nominal performance from 9000 to 110,000Nm, picking up where the HSB series of products leave off. They are particularly suited to heavy duty conveyors, mills and crushers, mixers, reciprocating pumps, condensers, stirrers, rotary presses and pelletising machines.

- Available as a PZ parallel helical reducer in 2 to 4 reduction stages or BZ bevel helical reducer in 3 to 4 reduction stages
- Monobloc casings with high power density
- Available for solid input shaft or bell-housing for direct motor mounting
- Wide range of options available, tailored to the application, including custom solutions



HA SERIES ALUMINIUM INLINE HELICAL GEARBOXES – 2 STAGE



HA..F/U	Dj6	B	b	t	f	C	E	F	F1	G	H	I	K	M1	M2	N	O	Q	R	S	W
HA32	20	40	6	22,5	M6	18	80	155	/	117,5	75	10	13	110	120	145	9	75	111	15	152
	19	40	6	21,5	M6																
	16	40	5	18	M6																
	14	30	5	16	M6																
HA42	25	50	8	28	M10	25	85	160	/	124,5	80	10	13	110	120	145	9	75	111	15	152
	28	60	8	31	M10																
	24	50	8	27	M8																
	22	50	6	24,5	M8																
	20	40	6	22,5	M6																
HA52	19	40	6	21,5	M6	30	100	217,5	255,5	159	110	5,5	15,5	135	150	190	11	90	140	18	218
	30	60	8	33	M10																
	35	70	10	38	M12																
	32	60	10	35	M10																
	28	60	8	31	M10																
	25	50	8	28	M10																
HA62	24	50	8	27	M8	35	110	237,5	275,5	168	120	15,5	20	170	185	230	14	120	150	20	218
	40	80	12	43	M16																
	35 k6	70	10	38	M12																
	30	60	8	33	M10																

IEC	Pm x Dm	Pm x Dm	G2	
			HA32F/U HA42F/U	HA52F/U HA62F/U
063	140X11	090x11	55,0	/
071	160X14	105x14	55,0	/
080	200X19	120x19	86,0	87,5
090	200X24	140x24	86,0	87,5
100-112	250X28	160x28	/	87,5

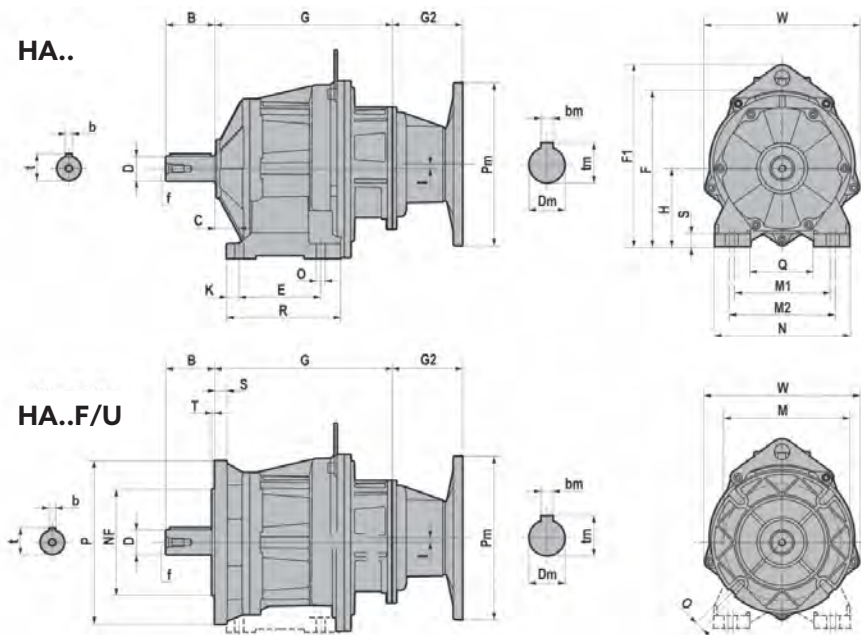
	P	M	NF f8	O	G	I	S	T	W
HA32F/U	140	115	95	9 (n.4)	117,5	10	10	3	152
	120	100	80						
HA42F/U	160	130	110						
	140	115	95	11 (n.4)	124,5	10	10	3,5	152
HA52F/U	200	165	130						
	160	130	110						
HA62F/U	250	215	180	14 (n.4)	168	15,5	15	4	218
	200	165	130						

B5	Pm	Dm	bm	tm
063	140	11	4	12,8
071	160	14	5	16,3
080	200	19	6	21,8
090	200	24	8	27,3
100	250	28	8	31,3
112	250	28	8	31,3

B14	Pm	Dm	bm	tm
071	105	14	5	16,3
080	120	19	6	21,8
090	140	24	8	27,3
100	160	28	8	31,3
112	160	28	8	31,3



HA SERIES ALUMINIUM INLINE HELICAL GEARBOXES – 3 STAGE

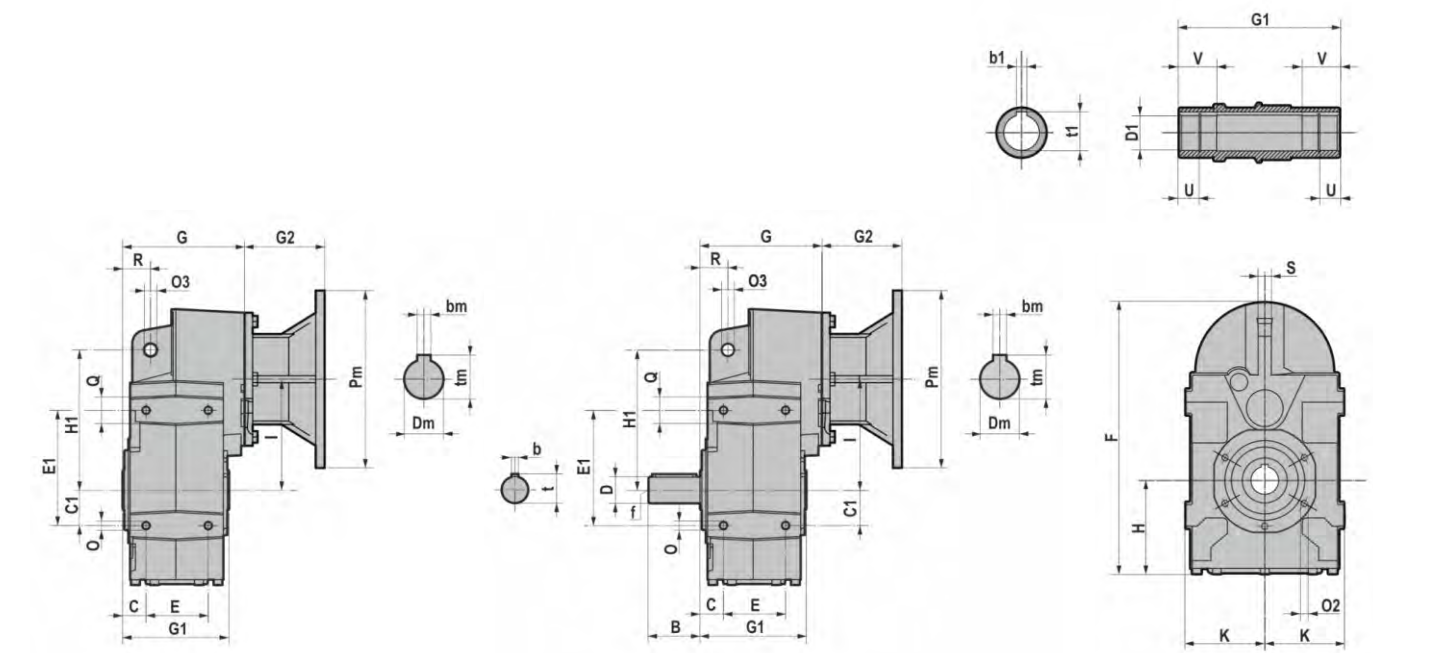


HA..F/U	Dj6	B	b	t	f	C	E	F	F1	G	H	I	K	M1	M2	N	O	Q	R	S	W
HA33	20	40	6	22,5	M6	18	80	155	/	170,5	75	10	13	110	120	145	9	75	111	15	152
	19	40	6	21,5	M6																
	16	40	5	18	M6																
	14	30	5	16	M6																
HA43	25	50	8	28	M10	25	85	160	/	177,5	80	10	13	110	120	145	9	75	111	15	152
	28	60	8	31	M10																
	24	50	8	27	M8																
	22	50	6	24,5	M8																
	20	40	6	22,5	M6																
	19	40	6	21,5	M6																
HA53	30	60	8	33	M10	30	100	217,5	255,5	218	110	5,5	15,5	135	150	190	11	90	140	18	218
	35	70	10	38	M12																
	32	60	10	35	M10																
	28	60	8	31	M10																
	25	50	8	28	M10																
	24	50	8	27	M8																
	20	40	6	22,5	M6																
HA63	40	80	12	43	M16	35	110	237,5	275,5	227	120	15,5	20	170	185	230	14	120	150	20	218
	35 k6	70	10	38	M12																
	30	60	8	33	M10																
	28	60	8	31	M10																

	P	M	NF f8	O	G	I	S	T	W
HA33F/U	140	115	95	9 (n.4)	117,5	10	10	3	152
	120	100	80						
HA43F/U	160	130	110						
	140	115	95	11 (n.4)	124,5	10	10	3,5	152
HA53F/U	200	165	130						
	160	130	110						
HA63F/U	250	215	180	14 (n.4)	168	15,5	15	4	218
	200	165	130						

IEC	Pm x Dm	Pm x Dm	G2
			HA33F/U HA43F/U HA53F/U HA63F/U
063	140X11	090x11	55
071	160X14	105x14	55
080	200X19	120x19	86
090	200X24	140x24	86

S SERIES SHAFT MOUNTED GEARBOXES

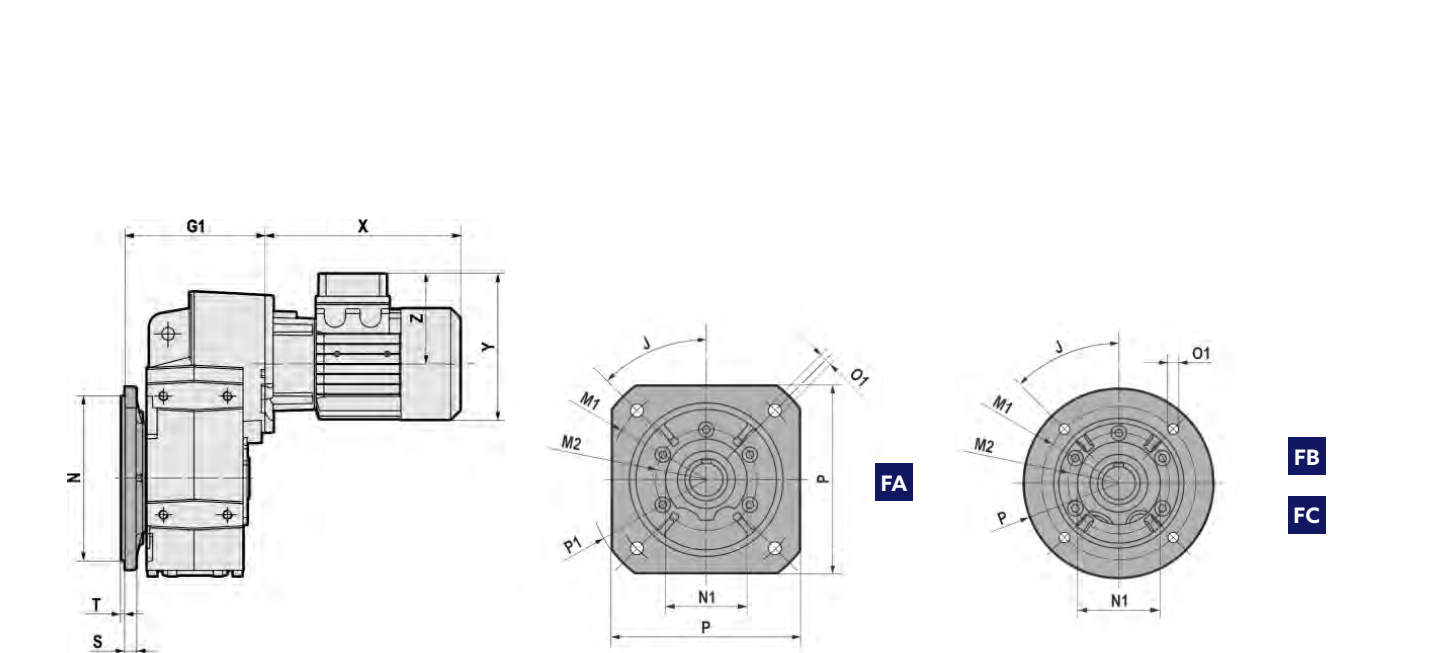


	D1	H7	b1	t1	U	V	B	D	b	t	f	C	C1	E	E1	F	G	G1	H	H1	I	K	O	O3	O2	Q	R	S
S052 S053	30		8	33	13,8	30	58	30 j6	8	33	M10	27	40	70	130	311	137,5	120	107	158	125	90,5	M10x18	14	M8x16 (n.5)	30	31,5	15
S062 S063	35		10	38	12	35	58	35 j6	10	38	M12	30	45	80	147	320	158,5	140	97	170	143	96,5	M12x20	14	M8x16 (n.5)	40	32	15
S082 S083	40		12	43	22,3	42	80	40 k6	12	43	M16	37	60	106	190	383	207	180	107	218	170	112,5	M12x20	14	M10x20 (n.7)	44	41	20
	45		14	47,6	22,3	42																						
S102 S103	45		14	49	22,3	50	100	50 k6	14	54	M16	37	70	137	275	427	217,5	210	119	278	180	130	M16x26	22	M12x22 (n.7)	50	50	20
	50		14	54	25	50																						
S122 S123	55		16	59,3	28	70	120	60 m6	18	64	M20	43	100	165	310	558	257	240	166	346	235	165	M16x30	22	M14x28 (n.7)	50	62	26
	60		18	64																								

IEC	Pm x Dm	G2				
		S052/S053	S062/S063	S082/S083	S102/S103	S122/S123
063	140x11	57	/	/	/	/
071	160x14	69	69	49	49	/
080	200x19	90	90	70	70	60,5
090	200x24	90	90	70	70	60,5
100-112	250x28	105	105	85	85	75,5
132	300x38	/	/	110	110	100,5
160	350x42	/	/	/	157,5	148
180	350x48	/	/	/	/	148
200	400x55	/	/	/	/	185

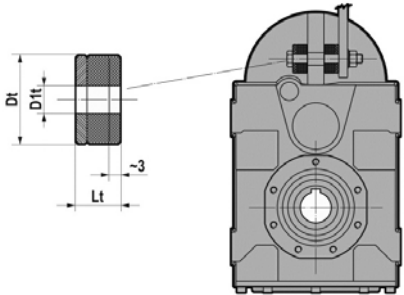
B5	Pm	Dm	bm	tm
063	140	11	4	12,8
071	160	14	5	16,3
080	200	19	6	21,8
090	200	24	8	27,3
100	250	28	8	31,3
112	250	28	8	31,3
132	300	38	10	41,3
160	350	42	12	45,3
180	350	48	14	51,8
200	400	55	16	59,3

S SERIES OUTPUT FLANGES / REACTION BOLT

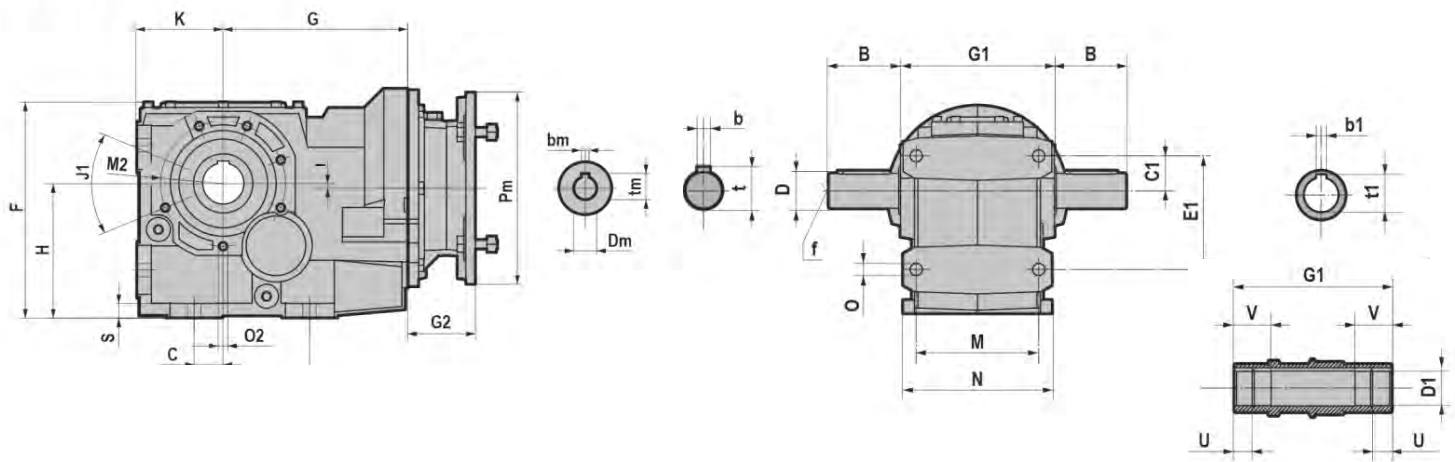


		J	J1	M1	M2	N f8	N1 (G8/h8)	O1	P	P1	S	T	G1	GF1
S052 S053	FA	45°	60°	215	105	180	90	14 (n.4)	200	250	12	4	153	243
	FB	45°	60°	165	105	130	90	11 (n.4)	200	/	12	3,5	153	243
S062 S063	FA	45°	60°	215	105	180	90	14 (n.4)	200	250	12	4	172,5	262,5
	FB	45°	60°	165	1050	130	90	11 (n.4)	200	/	12	3,5	172,5	262,5
S082 S083	FA	45°	45°	265	130	230	110	14 (n.4)	250	300	15	4	227	340
	FB	45°	45°	215	130	180	110	14 (n.4)	250	/	15	4	227	340
	FC	45°	45°	165	130	130	110	11 (n.4)	200	/	15	3,5	227	340
S102 S103	FA	45°	45°	300	165	250	130	18 (n.4)	300	350	16	5	247,5	360,5
	FB	45°	45°	265	165	230	130	14 (n.4)	300	/	16	4	247,5	360,5
	FC	45°	45°	215	165	180	130	14 (n.4)	250	/	16	4	247,5	360,5
S122 S123	FA	45°	45°	350	185	300	150	18 (n.4)	350	400	18	5	287	413,5
	FB	45°	45°	300	185	250	150	18 (n.4)	350	/	18	5	287	413,5
	FC	45°	45°	265	185	230	150	14 (n.4)	300	/	18	4	287	413,5

	Dt	D1t	Lt
S052 S053	40	12,5	20
S062 S063	40	12,5	20
S082 S083	40	12,5	20
S102 S103	60	21	30
S122 S123	60	21	30



B SERIES BEVEL HELICAL GEARBOXES



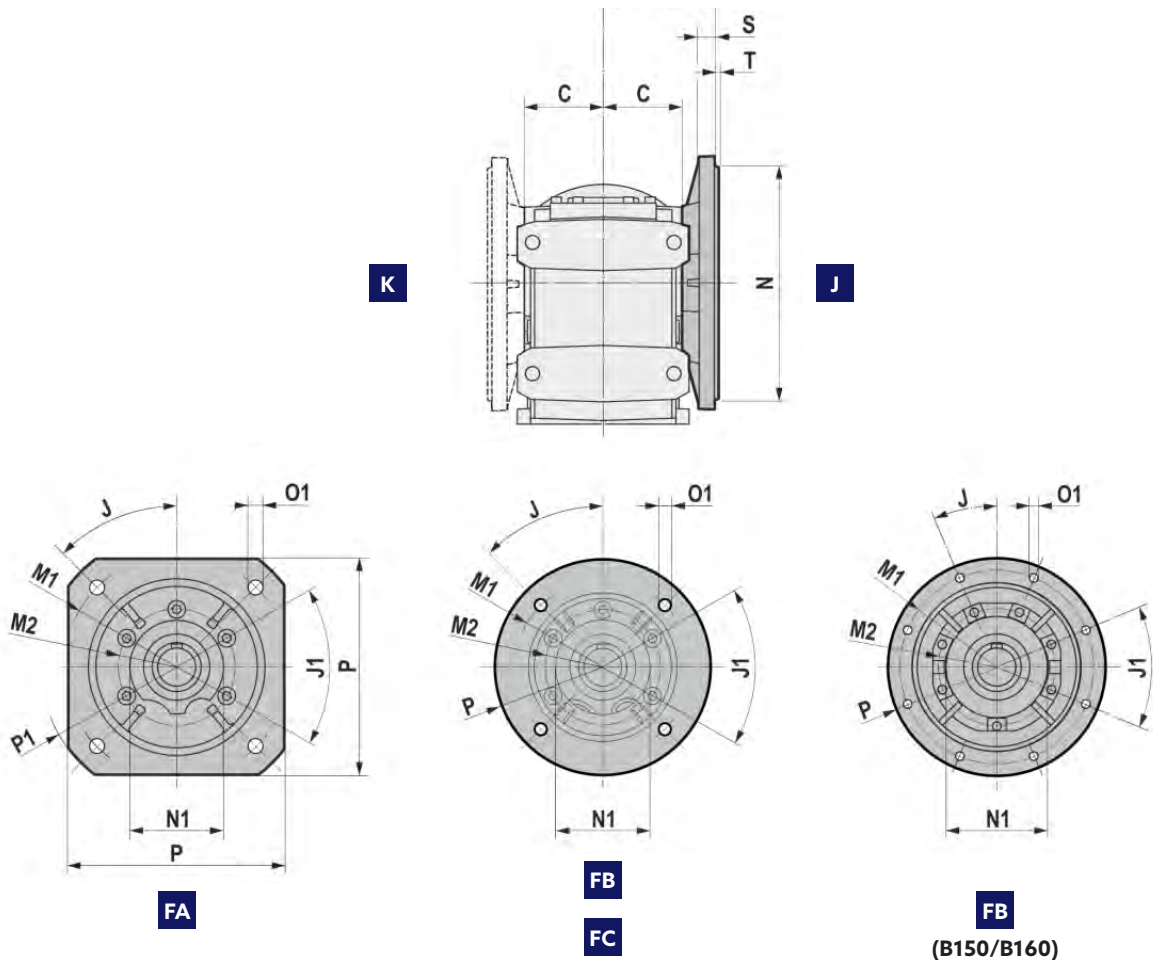
	D1 H7	b1	t1	U	V	B	D	b	t	f	C	C1	E	E1	F	F1
B063	35	10	38,3	12	35	58	35 k6	10	38	M12	30	39	130	126	215	219,5
	40	12	43,3													
B083	40	12	43,3	22,25	42	80	40 k6	12	43	M16	30	40	120	130	225	230
	45	14	(**) 47,6													
B103	45	14	48,8	22,25	50	100	50 k6	14	53,5	M16	40	50	150	160	283	288,6
	50	14	53,8													
B123	55	16	59,3	28	70	120	60 m6	18	64	M20	55	78	180	220	341	350
	60	18	64,4													
B143	70	20	74,9	27,5	75	140	70 m6	20	74,5	M20	75	90	240	280	423	/
B153	90	25	95,4	34	90	170	90 m6	25	95	M20	95	110	280	330	498	/
	80	22	85,4													
B163	100	28	106,4	40	100	210	110 m6	28	116	M20	115	155	350	420	615	/

	G	G1	H	H1	I	K	K1	M	N	O	S	J1	M2	O2
B063	174	140	132	137	33	88	92,5	104	126	14	12	45	130	M10x20 (n.6)
B083	192	180	140	145	5	90	95	140	170	14	15	45	130	M10x20 (n.6/7)
B103	213,5	210	180	185,6	25	112	117,6	165	205	18	18	45	165	M12x22 (n.6/7)
B123	246	240	212	221	33,5	132	141	180	230	22	22	45	185	M14x28 (n.7)
B143	279	300	265	/	34	160	/	240	290	22	22	45	200	M14x30 (n.7)
B153	353	350	315	/	35	200	/	270	330	26	26	45	245	M16x32 (n.7)
B163	426,5	445	375	/	47	230,5	/	330	400	38	45	45	298	M18x40 (n.7)

IEC	Pm x Dm	G2						
		B063	B083	B103	B123	B143	B153	B163
063	140x11	57	/	/	/	/	/	/
071	160x14	69,0	/	/	/	/	/	/
080	200x19	90,0	70,0	70,0	/	/	/	/
090	200x24	90,0	70,0	70,0	60,5	/	/	/
100-112	250x28	105,0	85,0	85,0	75,5	75,5	/	/
132	300x38	/	110,0	110,0	100,5	100,5	76,0	/
160	350x42	/	/	157,5	148,0	148,0	123,5	/
180	350x48	/	/	/	148,0	148,0	123,5	109,0
200	400x55	/	/	/	/	185,0	160,5	146,0
225	450x60	/	/	/	/	/	160,5	146,0
250	550*65	/	/	/	/	/	/	175,0
280	550*75	/	/	/	/	/	/	175,0

B5	Dm		Dm	tm
063	140	11	4	12,8
071	160	14	5	16,3
080	200	19	6	21,8
090	200	24	8	27,3
100	250	28	8	31,3
112	250	28	8	31,3
132	300	38	10	41,3
160	350	42	12	45,3
180	350	48	14	51,8
200	400	55	16	59,3
225	450	60	18	64,4
250	550	65	18	69,4
280	550	75	20	79,9

B SERIES OUTPUT FLANGES



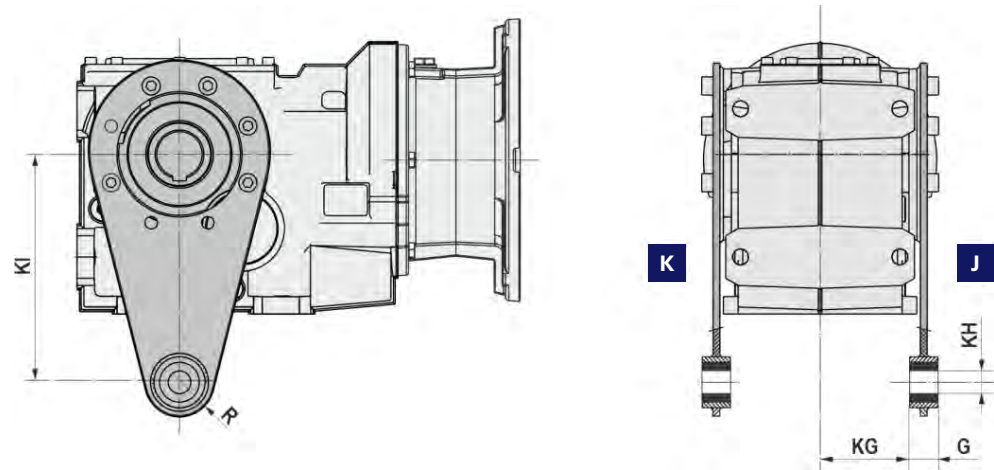
B..S - B..U		J	J1	M1	M2	N f8	N1 (G8/h8)	O1	P	P1	S	T	C	G1
B063	FA	45°	45°	265	130	230	110	14 (n.4)	250	300	15	4	61,5	93,5
	FB	45°	45°	215	130	180	110	14 (n.4)	250	/	15	4		
	FC	45°	45°	165	130	130	110	11 (n.4)	200	/	15	3,5		
B083	FA	45°	45°	265	130	230	110	14 (n.4)	250	300	15	4	78	110
	FB	45°	45°	215	130	180	110	14 (n.4)	250	/	15	4		
	FC	45°	45°	165	130	130	110	11 (n.4)	200	/	15	3,5		
B103	FA	45°	45°	300	165	250	130	18 (n.4)	300	350	16	5	95	135
	FB	45°	45°	265	165	230	130	14 (n.4)	300	/	16	4		
	FC	45°	45°	215	165	180	130	14 (n.4)	250	/	16	4		
B123	FA	45°	45°	350	185	300	150	18 (n.4)	350	400	18	5	107,5	150
	FB	45°	45°	300	185	250	150	18 (n.4)	350	/	18	5		
	FC	45°	45°	265	185	230	150	14 (n.4)	300	/	18	4		
B143	FB	45°	45°	350	200	300	170	18 (n.4)	400	/	18	5	138	187,5
B153	FB	22°30'	45°	400	245	350	210	18 (n.8)	450	/	25	5	162,5	207,5
	FC	45°	45°	350	245	300	210	18 (n.4)	400	/	25	5		
B163	FB	22°30'	45°	500	298	450	255	18 (n.8)	550	/	28	5	202,5	256

Unless specified otherwise, the reduction unit is supplied with the accessorie in pos. J referred to position B3/B5.



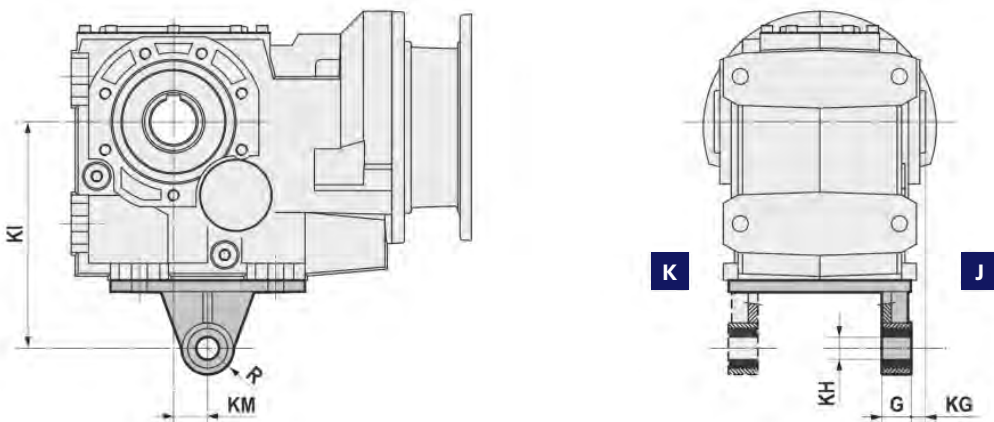
For full range of mounting options and accessories, please consult our sales team.

B SERIES TORQUE ARM



	KI	KG	KH	G	R
B063S	200	62	20	25	30
B083S	200	78,5	20	25	30
B103S	250	95	25	30	35
B123S	300	103,5	25	40	40
B063U	200	62	20	25	30
B083U	200	78,5	20	25	30
B103U	250	95	25	30	35
B123U	300	103,5	25	40	40

Unless specified otherwise, the reduction unit is supplied with the accessorie in pos. J referred to position B3/B5.



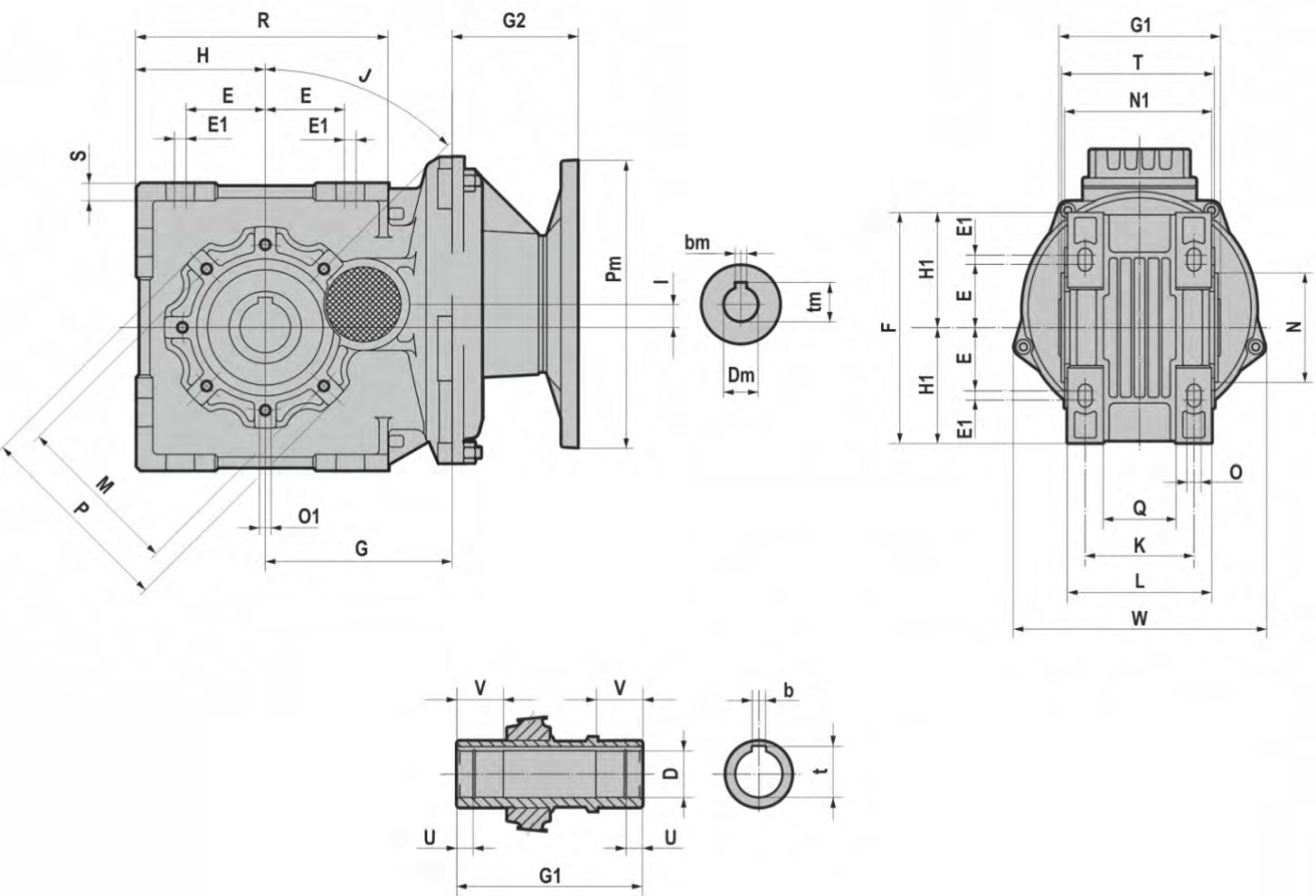
	KM	KI	KG	KH	G	R
B143	45	350	40	30	60	45
B153	45	450	45	30	60	45
B163	60	550	7,5	40	110	65

Unless specified otherwise, the reduction unit is supplied with the accessorie in pos. J referred to position B3/B5.



For full range of mounting options and accessories, please consult our sales team.

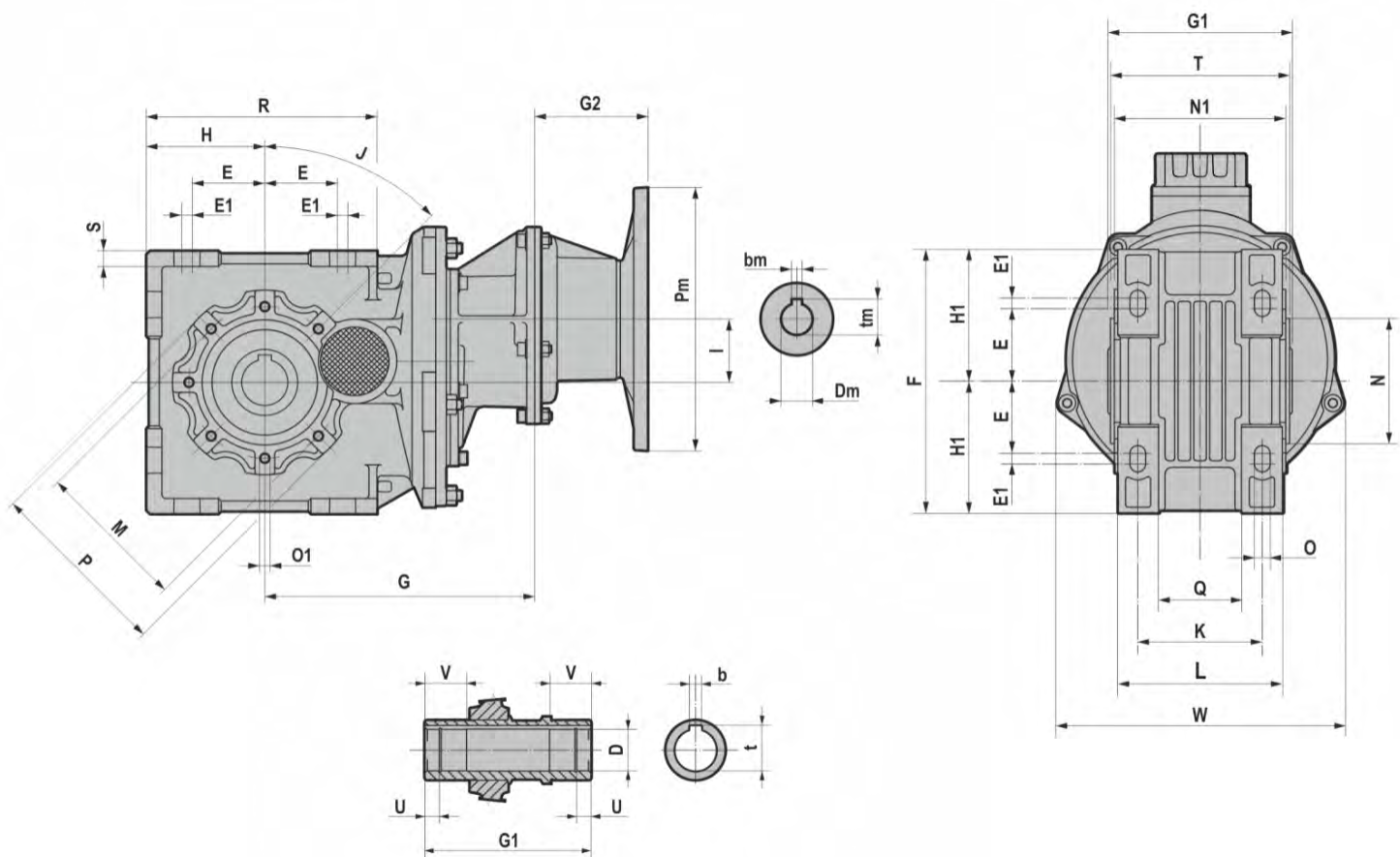
BA SERIES ALUMINIUM BEVEL HELICAL GEARBOXES – 2 STAGE



	DH7	b	t	E	E1	F	G	G1	H	H1	I	J	K	L	M	N	N1	O	O1	P	Q	R	S	T	W
BA42	20	6	22,8	45	/	130	95	100	65	65	8	45	73,5	90	85	70	92	9	M8x12 n.4	100	45	127,5	8	97	152
BA52	25	8	28,3	55	/	160	98	112	80	80	4,2	45	80	100	95	80	102	9	M8x14 n.6	110	51	153	10	108	152
	28	8																							
BA72	35	10	38,3	55	8	200	129,5	140	90	100	16	45	94,5	125	115	95	130	12	M8x14 n.7	136	63	175	12	136	218
	30	8																							

	IEC	Pm x Dm	Pm x Dm	G2	B5	Pm	Dm	bm	tm	B14	Pm	Dm	bm	tm
	063	140x11	090x11	55	063	140	11	4	12,8	071	105	14	5	16,3
	071	160x14	105x14	55	071	160	14	5	16,3	080	120	19	6	21,8
	080	200x19	120x19	86	080	200	19	6	21,8	090	140	24	8	27,3
	090	200x24	140x24	86	090	200	24	8	27,3	100	160	28	8	31,3
	100-112	250x28	160x28	/	100	250	28	8	31,3	112	160	28	8	31,3
				87,5	112	250	28	8	31,3					



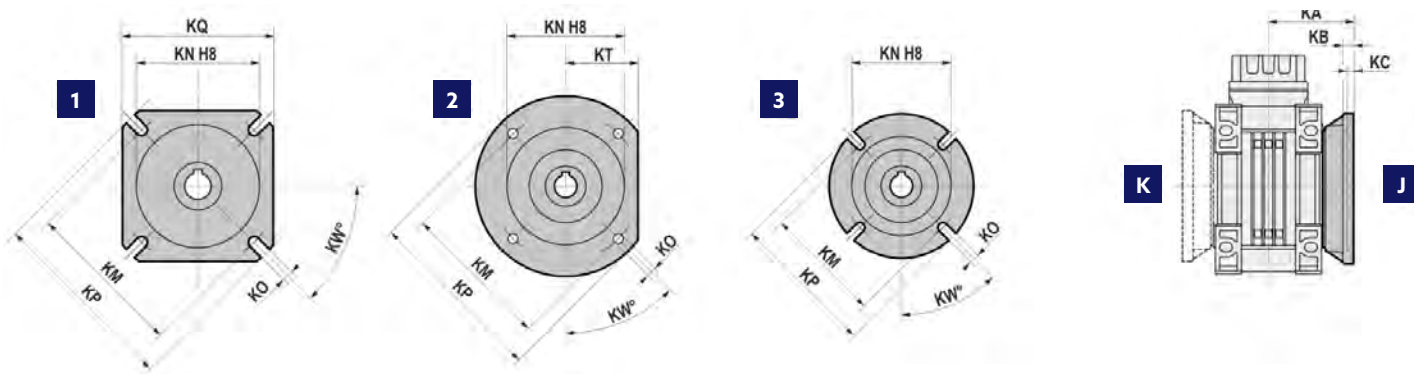


	DH7	b	t	U	V	E	E1	F	G	G1	H	H1	I	J	K	L	M	N	N1	O	O1	P	Q	R	S	T	W
BA53	25	8	28,3	/	30	55	/	160	162	112	80	80	36,2	45	80	100	95	80	102	9	M8x14 n.6	110	51	153	10	108	152
	28	8	31,1																								
BA73	35	10	38,3	12	35	55	8	200	204,5	140	90	100	48	45	94,5	125	115	95	130	12	M8x14 n.7	136	63	175	12	136	218
	30	8	33,3																								

IEC	Pm x Dm	Pm x Dm	G2
063	140X11	090x11	55
071	160X14	105x14	55
080	200X19	120x19	86
090	200X24	140x24	86

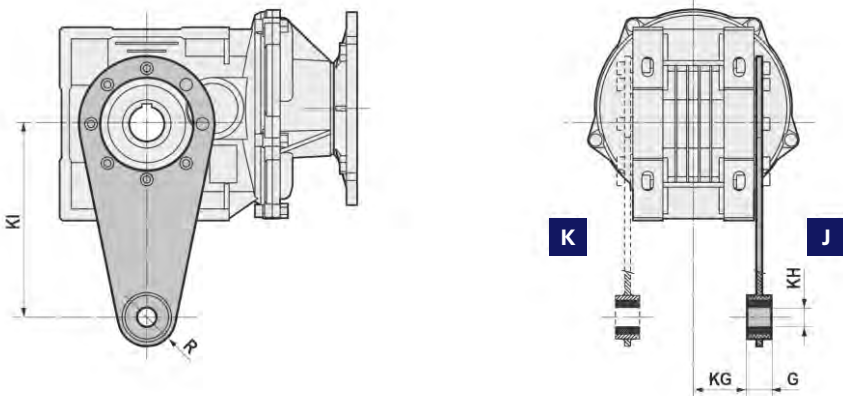
B5	Pm	Dm	bm	tm
063	140	11	4	12,8
071	160	14	5	16,3
080	200	19	6	21,8
090	200	24	8	27,3

B14	Pm	Dm	bm	tm
071	105	14	5	16,3
080	120	19	6	21,8
090	140	24	8	27,3



	A42	A52-A53	A72-A73
FA	1	1	1
FB	1	1	3
FC	2	2	-
FD	2	2	-

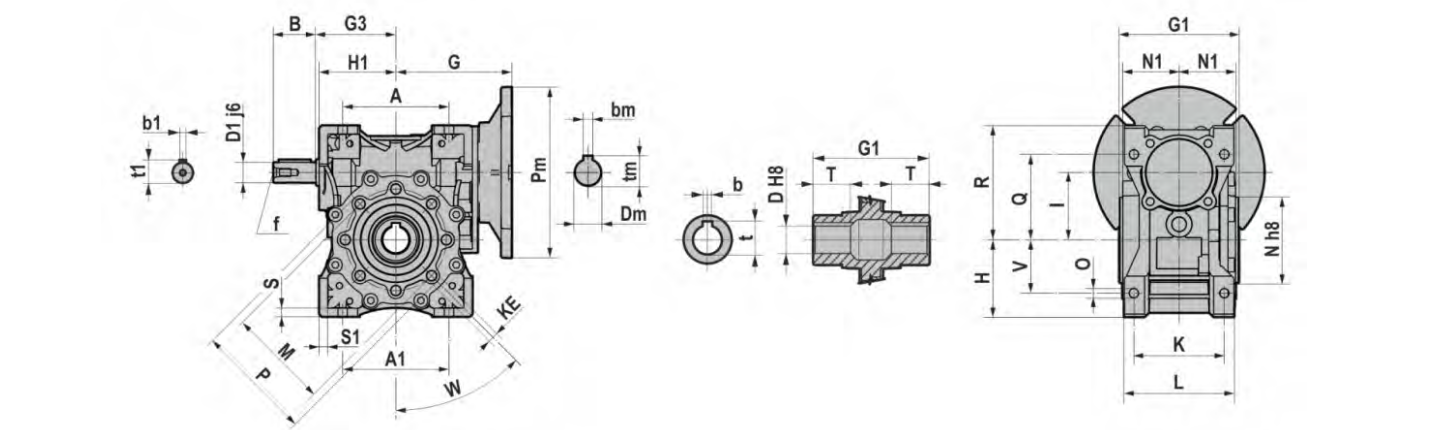
B...CB..		KA	KB	KC	KN	KM	KO	KP	KQ	KT	KW
BA42	FA	92,5	9	5	70	90 min	11 (no4)	125	110	-	45°
	FB	122,5	9	5	70	90 min	11 (no4)	125	110	-	45°
	FC	91,5	10	5	110	130	9.5 (no4)	160	-	66	45°
	FD	74,5	14,5	5	95	115	11 (no4)	140	-	60	45°
BA52 BA53	FA	80	10	6	115	150	11 (no4)	180	142	-	45°
	FB	110	10	6	115	150	11 (no4)	180	142	-	45°
	FC	96	10	5	130	165	11 (no4)	200	-	80	45°
	FD	105	10	5	130	165	11 (no4)	200	-	-	45°
BA72 BA73	FA	119	13	6	130	165	14 (no4)	200	170	-	45°
	FB	98	13	6	110	130	11 (no4)	160	-	-	45°



	KI	KG	KH	G	R
BA42	100	41	10	14	18
BA52/BA53	150	47	10	14	18
BA72/BA73	200	55,5	20	25	30

Unless specified otherwise, the reduction unit is supplied with the accessories in pos. J referred to position B3/B5.

NMRV/NMRV-P SERIES WORM GEARBOXES

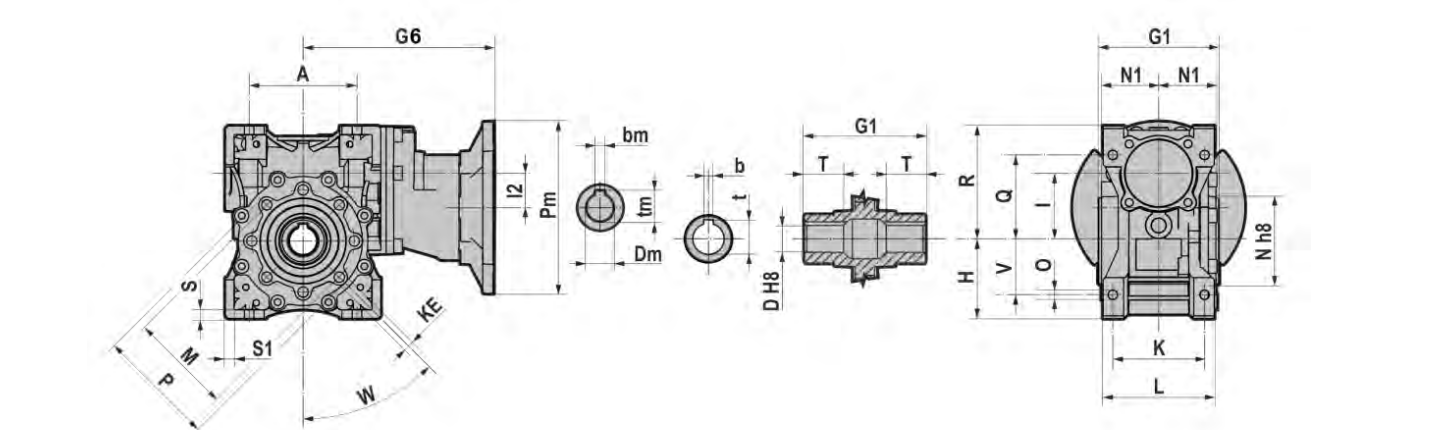


	030	040	050	063	075	090	110	130	150
A	54	70	80	100	120	140	170	200	240
A1	54	70	80	100	120	140	164 - 170	200	240
B	20	23	30	40	50	50	60	80	80
D1 j6	9	11	14	19	24	24	28	30	35
G	55	70	80	109	126,5	145	"185,5 (PAM 132) 168 (PAM 080/112)"	180	210
G1	63	78	92	112	120	140	155	170	200
G3	45	53	64	75	90	108	135	155	175
H	40	50	60	72	86	103	127,5	147,5	170
H1	40	50	60	72	89	103	127,5	147,5	170
I	30	40	50	63	75	90	110	130	150
K	44	60	70	85	90 - 95	100	115	120	145
KE	M6*11	M6*11	M8*10	M8*14	M8*14	M10*18	M10*18	M12*21	M12*21
L	56	71	85	103	112	130	144	155	185
M	65	75	85	95	115	130	165	215	215
N	55	60	70	80	95	110	130	180	180
N1	29	36,5	43,5	53	57	67	74	81	96
O	6,5	6,5	8,5	8,5	11	13	14	16	18
P	75	87	100	110	131	160	200	250	250
Q	44	55	64	80	93	102	125	140	180
R	57	71,5	84	107	123	144	167,5	187,5	230
S	5,5	6,5	7	8	10	11	14,5	15,5	18
S1	5,5	6,5	7	8	13	11	14,5	15,5	18
V	27	35	40	50	60	70	82 - 85	100	120
W	0	45	45	45	45	45	45	45	45
b1	3	4	5	6	8	8	8	8	10
t1	10,2	12,5	16	21,5	27	27	31	33	38
f1	-	-	M6	M6	M8	M8	M10	M10	M12

B5	Pm	Dm	bm	tm
063	140	11	4	12,8
071	160	14	5	16,3
080	200	19	6	21,8
090	200	24	8	27,3
100	250	28	8	31,3
112	250	28	8	31,3
132	300	38	10	41,3
160	350	42	12	45,3

B14	Pm	Dm	bm	tm
056	80	09	3	10,4
063	90	11	4	12,8
071	105	14	5	16,3
080	120	19	6	21,8
090	140	24	8	27,3
100	160	28	8	31,3
112	160	28	8	31,3

NMRV-P SERIES HELICAL WORM GEARBOXES



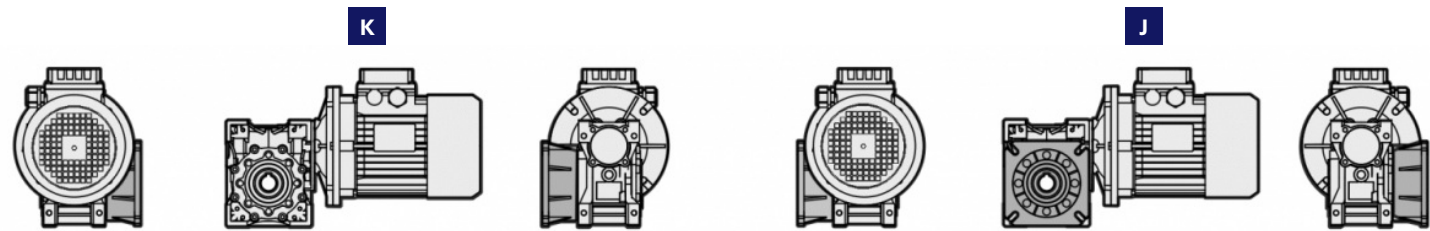
	HW030		HW040	
	056/063/071/080		063/071/080/090	
	NMRV-P 063	NMRV-P 075	NMRV-P 090	NMRV-P 110
A	100	120	140	170
G1	112	120	140	155
G6	176,5	194	218	241
H	72	86	103	127,5
H1	72	89	103	127,5
I	63	75	90	110
I2	32	32	42	42
K	85	90 - 95	100	115
KE	M8*14	M8*14	M10*18	M10*18
L	103	112	130	144
M	95	115	130	165
N	80	95	110	130
N1	53	57	67	74
O	8,5	11	13	14
P	110	131	160	200
Q	80	93	102	125
R	107	123	144	167,5
S	8	10	11	14,5
S1	8	13	11	14,5
V	50	60	70	82 - 85
W	45	45	45	45

B5	Pm	Dm	bm	tm
056	120	09	3	10,4
063	140	11	4	12,8
071	160	14	5	16,3
080	200	19	6	21,8
090	200	24	8	27,3

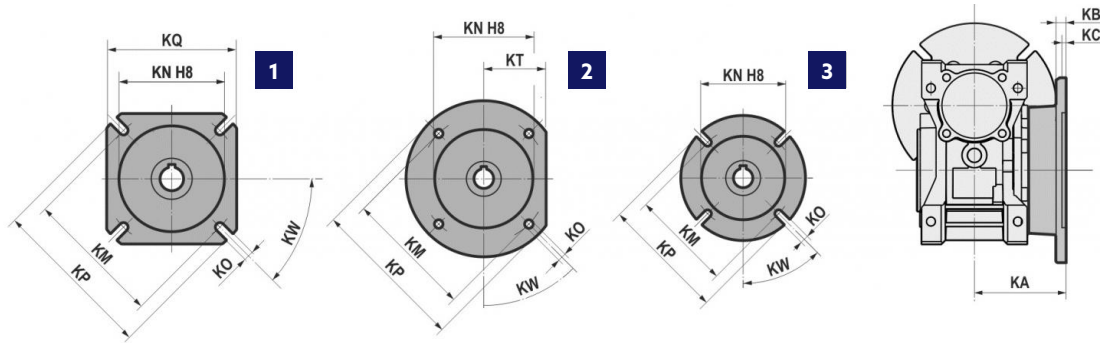
B14	Pm	Dm	bm	tm
056	80	09	3	10,4
063	90	11	4	12,8
071	105	14	5	16,3
080	120	19	6	21,8
090	140	24	8	27,3

NMRV-P	D H8	b	t	T
063	25	8	28,3	36
	28	8	31,3	36
	28	8	31,3	40
075	30	8	33,3	40
	32	10	35,3	40
	35	10	38,3	40
090	35	10	38,3	45
	38	10	41,3	45
	40	12	43,3	45
110	42	12	45,3	50

NMRV/NMRV-P SERIES OUTPUT FLANGES



Unless specified otherwise, the reduction unit is supplied with the flange in pos. J referred to as position B3.



	NMRV	NMRV	NMRV	NMRV-P	NMRV-P	NMRV-P	NMRV-P	NMRV	NMRV
	030	040	050	063	075	090	110	130	150
FA	1	1	1	1	1	1	1	1	1
FB	-	1	1	1	3	2	1	-	-
FC	-	2	2	2	-	3	-	-	-
FD	-	2	2	2	-	1	-	-	-
FE	-	-	-	3	-	-	-	-	-

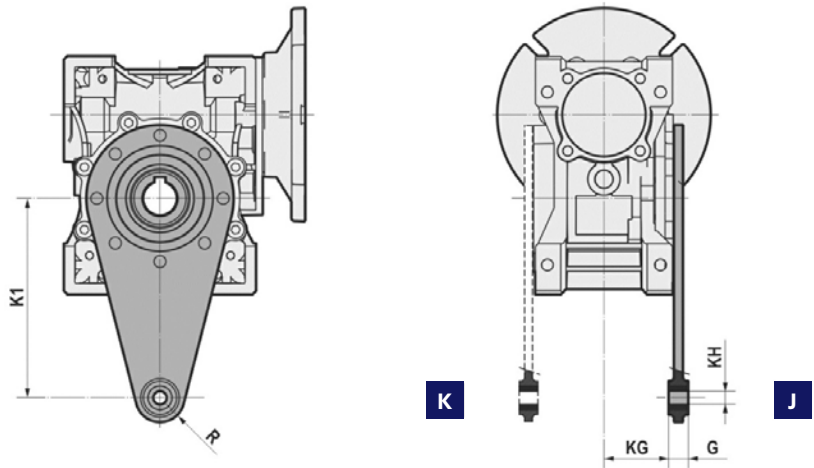
		FA									FB									
		KA	KB	KC	KN	KM	KO	KP	KQ	KW	KA	KB	KC	KN	KM	KO	KP	KQ	KT	KW
NMRV	030	54.5	6	4	50	68	6.5 (no4)	80	70	45°	-	-	-	-	-	-	-	-	-	-
NMRV	040	67	7	4	60	80 min	9 (no4)	110	95	45°	97	7	4	60	80 min	9 (no4)	110	95	-	45°
NMRV	050	90	9	5	70	90 min	11 (no4)	125	110	45°	120	9	5	70	90 min	11 (no4)	125	110	-	45°
NMRV-P	063	82	10	6	115	150	11 (no4)	180	142	45°	112	10	6	115	150	11 (no4)	180	142	-	45°
NMRV-P	075	111	13	6	130	165	14 (no4)	200	170	45°	90	13	6	110	130	11 (no4)	160	-	-	45°
NMRV-P	090	111	13	6	152	175	14 (no4)	210	200	45°	122	18	6	180	215	14 (no4)	250	-	105	45°
NMRV-P	110	131	15	6	170	230	14 (no8)	280	260	45°	180	15	6	170	230	14 (no8)	280	260	-	45°
NMRV	130	131	15	6	180	255	16 (no8)	320	290	22.5°	-	-	-	-	-	-	-	-	-	-
NMRV	150	155	15	6	180	255	16 (no8)	320	290	22.5°	-	-	-	-	-	-	-	-	-	-

		FC									FD									
		KA	KB	KC	KN	KM	KO	KP	KT	KW	KA	KB	KC	KN	KM	KO	KP	KQ	KT	KW
NMRV	040	80	9	5	95	115	9.5 (no4)	140	56	45°	58	12	5	80	100	9 (no4)	120	-	50	45°
NMRV	050	89	10	5	110	130	9.5 (no4)	160	66	45°	72	14,5	5	95	115	11 (no4)	140	-	60	45°
NMRV-P	063	98	10	5	130	165	11 (no4)	200	80	45°	107	10	5	130	165	11 (no4)	200	-	80	45°
NMRV-P	090	110	17	6	130	165	11 (no4)	200	-	45°	151	13	6	152	175	14 (no4)	210	200	-	45°

		FE							
		KA	KB	KC	KN	KM	KO	KP	KW
NMRV-P	063	80,5	16,5	5	110	130	11 (no4)	160	45°



NMRV/NMRV-P SERIES TORQUE ARM



NMRV NMRV-P	030	040	050	063	075	090	105	110	130	150
K1	85	100	100	150	200	200	250	250	250	250
G	14	14	14	14	25	25	30	30	30	30
KG	24	31,5	38,5	49	47,5	57,5	62	62	69	84
KH	8	10	10	10	20	20	25	25	25	25
R	15	18	18	18	30	30	35	35	35	35

For full range of mounting options and accessories, please consult our sales team.



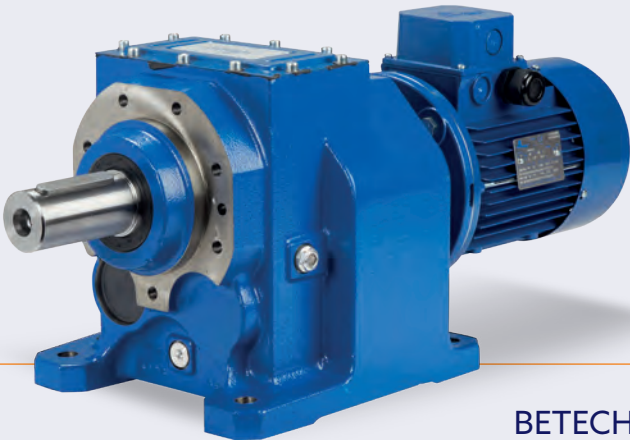
H SERIES COMPARISON CHART



Quickly compare alternative manufacturer makes and models with our online comparison guide
www.betech.co.uk/motovario-comparison-guide

MOTOVARIO SIZE		H030		H040		H050		H060		H080		H100		H125		H140
MAX TORQUE RATING		200Nm		300Nm		500Nm		850Nm		1800Nm		3500Nm		5000Nm		8000Nm
STOCK STANDARD SHAFT		25mm		30mm		35mm		40mm		50mm		60mm		70mm		90mm
OPTIONAL SHAFT TO ORDER								35mm		40mm						
BAUER	●	BG20	●	BG30	●	BG40	●	BG50	●	BG60	●	BG70	●	BG80	●	BG90
BONFIGLIOLI	●	C21	●	C31	●	C35	●	C51	●	C61	●	C70	●	C80	●	C90
BONFIGLIOLI					●	C41										
FENNER	●	M801	●	M802	●	M862	●	M803	●	M864	●	M865	●	M866	●	M867
FENNER	●	M861					●	M863								
FLENDER	●	D/Z38	●	D/Z38	●	D/Z48	●	D/Z68	●	D/Z88	●	D/Z108	●	D/Z128	●	D/Z148
HYDROMEC					●	712/3C	●	812/3C	●	862/3C	●	1002/3C	●	1102/3C		
LENZE	●	G500-H140	●	G500-H320	●	G500-H450	●	G500-H600	●	G500-H1500	●	G500-H3000				
LENZE	●	G500-H210	●	G500-H450	●	G500-H600	●	G500-H850								
LEROY SOMER	●	CB3133	●	CB3233			●	CB3333	●	CB3433	●	CB3533	●	CB3633	●	CB3733
NORD	●	SK12	●	SK22	●	SK32	●	SK32	●	SK42	●	SK52	●	SK62	●	SK72
RADICON	●	M03	●	M04	●	M05	●	M07	●	M08	●	M09	●	M10	●	M13
ROSSI	●	E04-50	●	E04-63	●	E04-64	●	E04-81	●	E04-100	●	E04-125	●	E04-140	●	E04-160
ROSSI	●	E04-61	●	E07-4	●	E04-80	●	ES07-7	●	E04-101	●	E04-126			●	E04-180
ROSSI	●	ES07-3			●	ES07-5 / ES07-6										
SEW	●	R37	●	R47	●	R57	●	R77	●	R87	●	R97	●	R107	●	R137
SITI	●	MNHL25	●	MNHL30	●	MNHL35	●	MHNL40	●	MHNL50	●	MHNL60	●	MHNL70	●	MHNL90
STM	●	AMP50	●	AMP60			●	AMP80	●	AMP100	●	AMP120				
TRANSTECNO					●	ITH112/3	●	ITH122/3	●	ITH132/3	●	ITH142/3				
VARVEL	●	FRD2	●	FRD3	●	FRD4	●	FRD5	●	FRD6						
WATT DRIVE	●	HG50A	●	HG55A	●	HG65A	●	HG70A	●	HG80A	●	HG85	●	HG110	●	HG133
YILMAZ	●	MR10	●	MR20	●	MR27	●	MR37	●	MR47	●	MR57	●	MR67	●	MR77

- Motovario standard stock shaft size and competitor standard shaft size are the same
- Shaft sizes are different

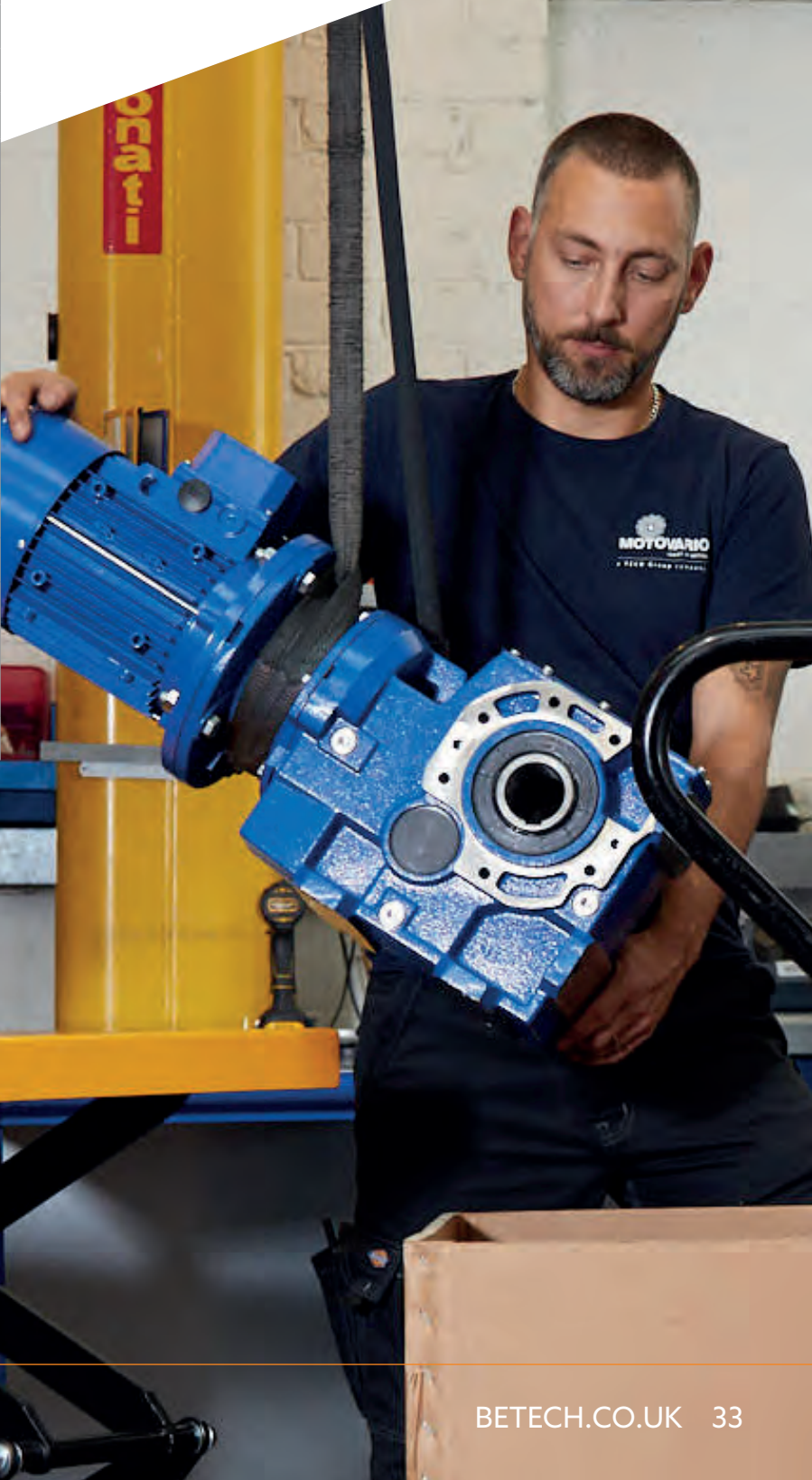


S SERIES COMPARISON CHART

Quickly compare alternative manufacturer makes and models with our online comparison guide
www.betech.co.uk/motovario-comparison-guide

MOTOVARIO SIZE	S050	S060	S080	S100	S125
MAX TORQUE RATING	350Nm	600Nm	1000Nm	1600Nm	3000Nm
STOCK STANDARD BORE	30mm	35mm	40mm	50mm	60mm
STOCK OPTIONAL BORE					
OPTIONAL BORE TO ORDER	40mm		45mm	45mm	55mm
BAUER	● BF20	● BF30	● BF40	● BF50	● BF60
BONFIGLIOLI	● F20	● F31	● F41	● F51	● F60
FENNER	● F781	● F782	● F783	● F785	● F786
FLENDER	● FA38	● FA48	● FA68	● FA88	● FA108
HYDROMEC		● FC62/63	● FC72/73	● FC82/83	
LENZE	● G500-S400	● G500-S660	● G500-S950	● G500-S2100	● G500-S3100
LEROY SOMER	● MUB3132		● MUB3332	● MUB3432	● MUB3532
NORD	● SK1282/1382	● SK2282/2382	● SK3282/3382	● SK4282/4382	● SK5282/5382
RADICON	● F0322/F0332	● F0422/F0432	● F0622/F0632	● F0722/F0732	● F0822/F0832
SEW	● FA37	● FA47	● FA67	● FA77	● FA87
SITI	● MPD 63	● MPD 80	● MPD 100	● MPD 125	● MPD 125
STM	● PLM 45	● PLM 65	● PLM 85	● PLM 95	● PLM 105
TRANSTECNO			● ITS922/923	● ITS932/933	● ITS942/943
VARVEL	● RN22/23	● RN32/33	● RN42/43	● RN52/53	● RN62/63
WATT DRIVE	● A46	● A56	● A66	● A76	● A86
YILMAZ	● DR172/3	● DR272/3	● DR372/3	● DR472/3	● DR572/3

- Motovario standard bore shaft size and competitor standard bore size are the same
- Bore sizes are different
- Motovario optional bore to order and competitor standard bore are the same

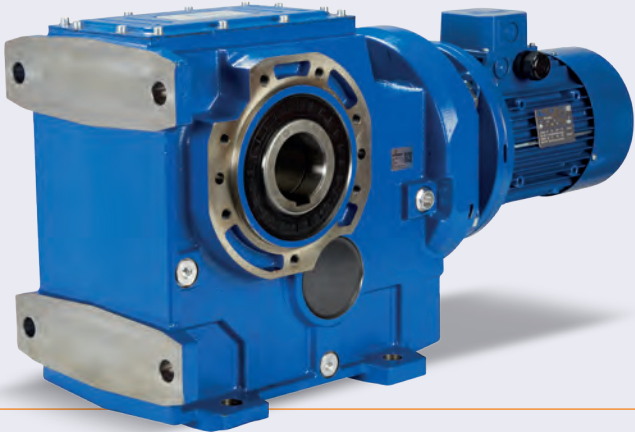


B SERIES COMPARISON CHART

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MOTOVARIO SIZE	B063	B083	B103	B123	B143	B153	B163
MAX TORQUE RATING	600Nm	850Nm	1800Nm	3500Nm	5000Nm	8000Nm	13000Nm
STOCK STANDARD BORE	35mm	40mm	50mm	60mm	70mm	90mm	100mm
STOCK OPTIONAL BORE		45mm					
OPTIONAL BORE TO ORDER	40mm		45mm	55mm		80mm	
BAUER	● BK30	● BK40	● BK50	● BK60		● BK70	● BK80
BONFIGLIOLI	● A30	● A41	● A50	● A55	● A70	● A80	● A90
BONFIGLIOLI	● A35			● A60			
FENNER	● K892	● K893	● K894	● K895	● K896	● K897	● K898
FLENDER	● K48	● K68	● K88	● K108	● K128	● K148	● K168
HYDROMEC	● X73C	● X83C	● X93C	● X103C	● X113C		
LENZE	● G500-B600	● G500-B820	● G500-B1500	● G500-B2700	● G500-4300		
LEROY SOMER	● OT3233	● OT3333	● OT3433	● OT3533	● OT3633	● OT3733	● OT3833
NORD	● SK92772	● SK9022	● SK9032	● SK9042	● SK9052	● SK9072	● SK9082
RADICON	● K0532	● K0632	● K0732	● K0832	● K0932	● K1032	
ROSSI	● MR ICI 80	● MR ICI 81	● MR ICI 100	● MR ICI 125	● MR ICI 140	● MR ICI 160	● MR ICI 200
SEW	● K57	● K67	● K77	● K87	● K97	● K107	● K127
SITI	● MBH 63	● MBH 80	● MBH 100	● MBH 125	● MBH 140	● MBH 160	● MBH 180
STM		● OMP 80	● OMP 100	● OMP 125	● OMP 140	● OMP 160	● OMP 180
TRANSTECNO		● ITB 423	● ITB 433	● ITB 443			
VARVEL	● FRO23	● FRO33	● FRO43	● FRO53	● FRO63		
WATT DRIVE			● K 77A	● K 80A	● K 85A	● K 110A	● K 136A
YILMAZ	● KR 273	● KR 373	● KR 473	● KR 573	● KR 673	● KR 773	● KR 873

- Motovario standard stock bore size and competitor standard bore size are the same
- Bore sizes are different
- Motovario optional stock bore size and competitor standard bore size are the same
- Motovario optional bore to order and competitor standard bore are the same



NMRV SERIES COMPARISON CHART

Quickly compare alternative manufacturer makes and models with our online comparison guide
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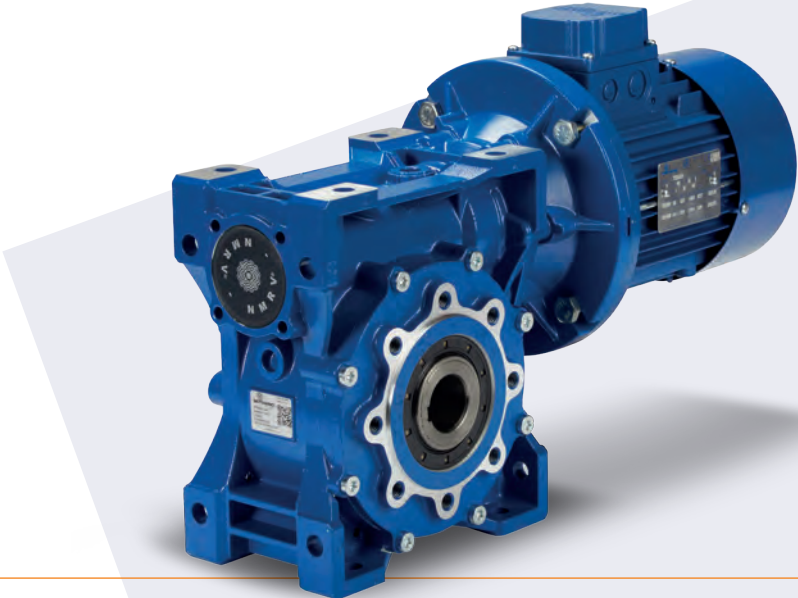
MOTOVARIO SIZE	NMRV030	NMRV040	NMRV050	NMRV-P063	NMRV-P075	NMRV-P090	NMRV-P110	NMRV130	NMRV150
MAX TORQUE RATING	19Nm	48Nm	88Nm	160Nm	247Nm	432Nm	725Nm	1050Nm	1550Nm
STOCK STANDARD BORE	14mm	18mm	25mm	25mm	28mm	35mm	42mm	45mm	50mm
STOCK OPTIONAL BORE		19mm, 20mm	24mm	28mm	35mm, 30mm, 32mm	38mm			
BONFIGLIOLI				● W63	● W75	● W86	● W110		
BROWN EUROPE	● BW030	● BW040	● BW050	● BW063	● BW075	● BW090	● BW110	● BW130	● BW150
CHIARAVALLI	● CHM030	● CHM040	● CHM050	● CHM063	● CHM075	● CHM090	● CHM110	● CHM130	● CHM150
FENNER	● 741	● 742	● 743	● 744	● 745	● 746	● 747	● 749	
HYDROMEC	● Q30	● Q45	● Q50	● Q63	● Q75	● Q85	● Q11	● Q13	● Q15
ROSSI		● RV32	● RV40	● RV50	● RV63 / RV64	● RV80	● RV81	● RV100	● RV125
SITI	● MU30	● MU40	● MU50	● MU63	● MU75	● MU90	● MU110		
STM	● WI30	● WI40	● WI50	● WI63	● WI75	● WI90	● WI110	● WI130	● WI150
TEC	● FCNDK030	● FCNDK040	● FCNDK050	● FCNDK063	● FCNDK075	● FCNDK090	● FCNDK110	● FCNDK130	● FCNDK150
TRAMEC	● X30	● X40	● X50	● X63	● X75	● X90	● X110	● X130	
TRANSTECNO	● CM030	● CM040	● CM050	● CM063	● CM075	● CM090	● CM110	● CM130	
VARVEL	● RT28	● RT40	● RT50	● RT60	● RT70	● RT85	● RT110		
YILMAZ	● EV030	● EV040	● EV050	● EV063	● EV075	● EV080	● EV100	● EV125	

- Motovario standard stock bore size and competitor standard bore size are the same
- Bore sizes are different
- Motovario optional stock bore size and competitor standard bore size are the same

MOTOVARIO BREAKDOWN

Need urgent assistance? Call 01924 411 921 or simply complete our breakdown form on our website

Production breakdown and in search of a replacement variable speed drive, gearbox or motor?
We specialise in same-day solutions.



SW SERIES COMPARISON CHART

MOTOVARIO SIZE	SW030	SW040	SW050	SW063	SW075	SW090
MAX TORQUE RATING	19Nm	48Nm	88Nm	160Nm	247Nm	432Nm
STOCK STANDARD BORE	14mm	18mm	25mm	25mm	28mm	35mm
STOCK OPTIONAL BORE		19mm	24mm			
OPTIONAL BORE TO ORDER				28mm	35mm	38mm
BONFIGLIOLI	● MVF30 ●	● MVF44	● MVF49	● MVF63	● MVF75	● M085
CHIARAVALLI	● CH03 ●	● CH04	● CH05	● CH06	● CH07	● RT80
HYDROMEC	● O30 ●	● O40	● O50	● O63	● -	● MI80 ● M190
LENZE	● M030 ●	● M040	● M050	● M060	● M070	● RMI85
ROTOR	● RT30 ●	● RT40	● RT50	● RT60	● RT75	● K90
SITI	● MI30 ●	● MI40	● MI50	● MI60	● MI70	● RS85
STM	● RMI28 ●	● RMI40	● RMI50	● RMI63	● RMI70	● RMI85
TRAMEC	● K30 ●	● K40	● K50	● K63	● K75	● K90
VARVEL	● RS28 ●	● RS40	● RS50	● RS60	● RS70	● RS85

- Motovario standard stock bore size and competitor standard bore size are the same
- Bore sizes are different
- Motovario optional stock bore size and competitor standard bore size are the same
- Motovario optional bore to order and competitor standard bore are the same



MOTOVARIO ENQUIRY

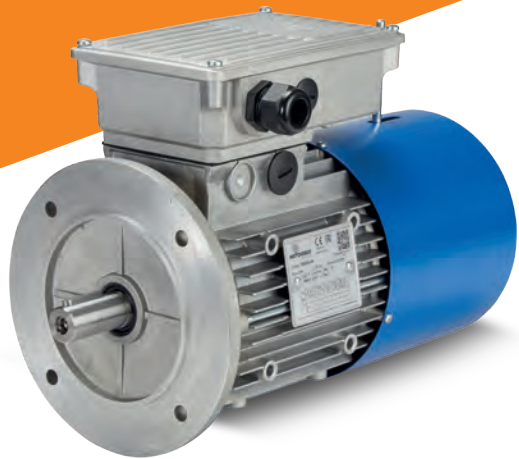
Need assistance? Call 01924 411 921 or simply complete the relevant enquiry form www.betech.co.uk/mac-centre

We pride ourselves on being your dedicated industrial drive system experts with decades of invaluable experience within our technical team. Using our extensive knowledge, we are committed to ensuring that your machinery designs and production systems meet and exceed your expectations.



MOTORS OVERVIEW

Motovario's broad range of high efficiency electric motors are the ideal compliment to their gearbox range. Offering reliable performance and manufactured using the very latest technology, we can offer a broad range of solutions from standard three phase through to self power, an innovative hybrid motor that offers increased power from a reduced size.



THREE PHASE BRAKE MOTORS

Motovario three-phase brake motors combine the efficiency and power of a three-phase motor with the added safety feature of an electromagnetic brake. This brake engages when power is cut off, ensuring the motor stops quickly and safely.

Used on a wide variety of applications where holding or stopping is needed. Manufactured in Italy, Motovario TBS/TBH series motors proven quality and reliability has been demonstrated on the toughest applications and harsh conditions. Available with both AC and DC brake voltages from a wide variety of voltage supplies, or even as a double brake for safety application.



THREE PHASE MOTORS

Motovario three-phase motors are a common choice for industrial applications due to their high efficiency and reliable performance. Manufactured to the very latest efficiency standards, Motovario TH/TP series motors proven quality and reliability has been demonstrated on the toughest applications and harsh conditions. Ideal for use on geared motor applications, our UK stock version features RAL5010 paint finish, IP56 ingress protection and PTC thermistors as standard.



SELF POWER MOTORS

Motovario self-starting synchronous motors are known for their accuracy and reliability. These motors maintain a constant speed, regardless of load changes, making them ideal for applications that require precise motion control. With their self-starting capabilities, Motovario M Series synchronous motors ensure smooth, efficient operation in even the most demanding situations.



DRIVON INVERTER MOTORS

Motovario Drivon inverter motors are designed to work seamlessly with variable frequency drives (VFDs) to provide superior speed control and energy efficiency. By adjusting the motor's speed based on demand, Motovario Drivon inverter motors help reduce energy consumption and optimise performance in various industrial applications.



TECO ALUMINIUM MOTORS

Teco Aluminium Motors, ranging from 0.12 to 18.5kW, are designed to meet the diverse needs of both existing TECO motor owners seeking reliable replacements and larger suppliers looking for high-quality motors. These motors are available in 2, 4, and 6 pole options, with all standard flange mounting options.



TECO CAST IRON MOTORS

The cast iron range of low voltage electric motors. These motors offer a compelling blend of quality design, premium efficiency, and excellent value for money, making them an ideal choice for both existing TECO motor owners seeking replacements and larger suppliers.

L510S GENERAL PURPOSE DRIVE

The TECO L510 is a cost-effective variable speed drive that offers a compact, robust, and versatile AC Drive solution. It is designed with standard Modbus communication and is ideal for simple industrial applications and OEMs. The L510 is a part of TECO's range of variable speed drives, known for their reliability and performance.

- 200v Single phase input, three phase output up to 2.2kW
- 400v Three phase input, three phase output up to 11kW
- Built in digital display, keypad and speed potentiometer for easy adjustment
- Built in PID feedback control
- Compact space saving design allows side by side panel mounting



E510 & E510S ADVANCED DRIVE

The TECO E510 – E510S Sensorless Vector Variable Speed Drive is a compact, robust, and versatile AC drive that offers advanced sensorless vector control. It is designed to control a wide range of motor-driven applications and is an ideal choice for both single and three-phase voltage inputs. The E510 – E510S is available in IP20 panel mount or IP66 washdown ready enclosures, making it suitable for various industrial environments.

- Available as a compact IP20 panel mount or IP66 fully enclosed model
- IP20 model available as 200v Single phase input, three phase output up to 2.2kW or 400v Three phase input, three phase output up to 18.5kW
- IP66 model available as 200v Single phase input, three phase output up to 2.2kW or 400v Three phase input, three phase output up to 11kW
- Built in PID feedback control & PLC functionality

A510 & A510S HIGH PERFORMANCE DRIVE

A510 Heavy Duty AC Drive is a high-performance, versatile drive that offers a wide range of control modes. It is designed to offer simple and dynamic control of a variety of motor types and applications. The A510 is easy to commission and use, yet provides an impressive array of features designed to match the needs of most applications.

Designed for heavy overload and demanding applications such as crane, lift, elevator, punching and pressing machines, heavy duty material handling and conveying, A510 premium variable speed drive has the control for the most demanding of needs.

- 400v Three phase input, three phase output up to 315kW heavy duty
- Advanced motor control options for both induction motors and permanent magnet
- Three mode auto-tune feature for reduced commissioning times and maximised performance
- Built in PLC functionality with wide range of communication options
- Multi programmable inputs and outputs



S510 SPACE-SAVING DRIVE

The S510 frequency converter is available in single-phase and three-phase sizes, with a book-style design and rated power of 3.7 kW. All versions include the EMC filter and the integrated Modbus.

Ideal for speed control, the S510 inverter provides the application versatility to meet the requests of OEMs and end users demanding a solution that is compact, easy to use and program, including an integrated Safe Torque Off (STO).

- 200v Single phase input, three phase output up to 2.2kW
- 400v Three phase input, three phase output up to 3.7kW
- Integrated STO safe torque off circuit and EMC filter
- Removable keypad
- Multiple communication options such as Ethernet, ProfiNet, Profibus, CanBus and DeviceNet.



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EXPERTS IN INDUSTRIAL DRIVES

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