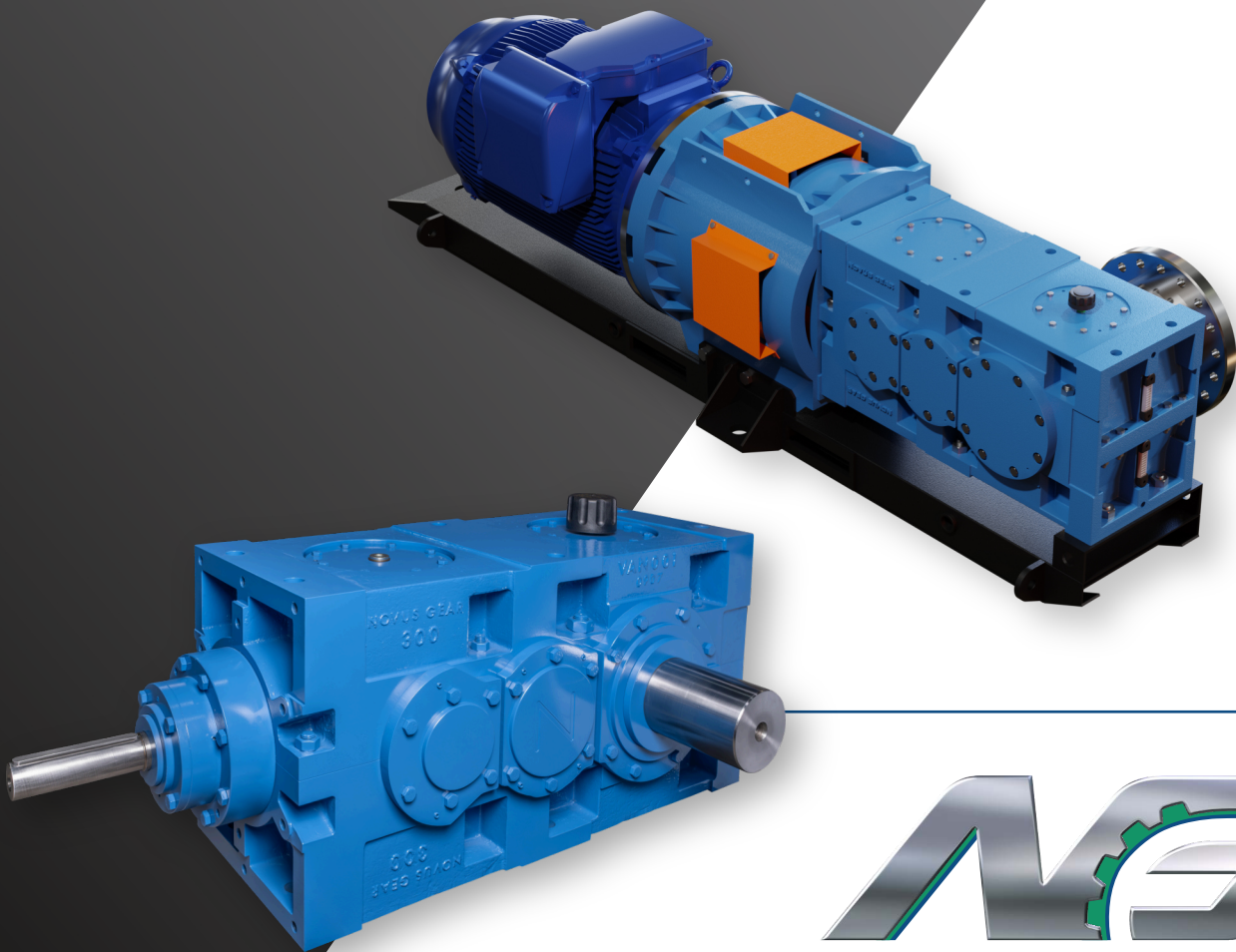


NOVUS GEAR

CONVEYOR DRIVE

CATALOGUE

NG1 SERIES INDUSTRIAL GEARBOX



NOVUS GEAR

www.novusgear.co.za



The Art of Power Transmission

Novus Gear Peripheral Product Line

www.novusgear.co.za

Marland Clutch



MARLAND CLUTCH
A REGAL REXNORD BRAND

WESTCAR Fluid Couplings



WESTCAR

Bibby Grid Couplings



BIBBY TURBOFLEX
A REGAL REXNORD BRAND

Bibby Gear / Amerigear Couplings



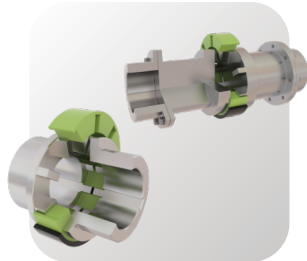
AMERIDRIVES
A REGAL REXNORD BRAND

N-Flex Couplings by Poona



NOVUS GEAR N-FLEX

Novus Gear N-Wrap Couplings



NOVUS GEAR N-WRAP

FlexLine Pin and Bush Couplings



NOVUS GEAR FLEXLINE

Bibby General Purpose Couplings



TB WOOD'S
A REGAL REXNORD BRAND

Bibby Turboflex Flexible Disc Couplings



BIBBY TURBOFLEX
A REGAL REXNORD BRAND

Bibby Torque Limiters



BIBBY TURBOFLEX
A REGAL REXNORD BRAND

Stieber Sprag Clutches



STIEBER
A REGAL REXNORD BRAND

Formsprag Clutch



FORMSPRAG CLUTCH
A REGAL REXNORD BRAND

Benefits of the **NOVUS GEAR** Solution

We manufacture our products locally which means more flexibility with lead times, stock holding and after sales service.

Our products are manufactured according to the ISO9001 Quality System and have full traceability.

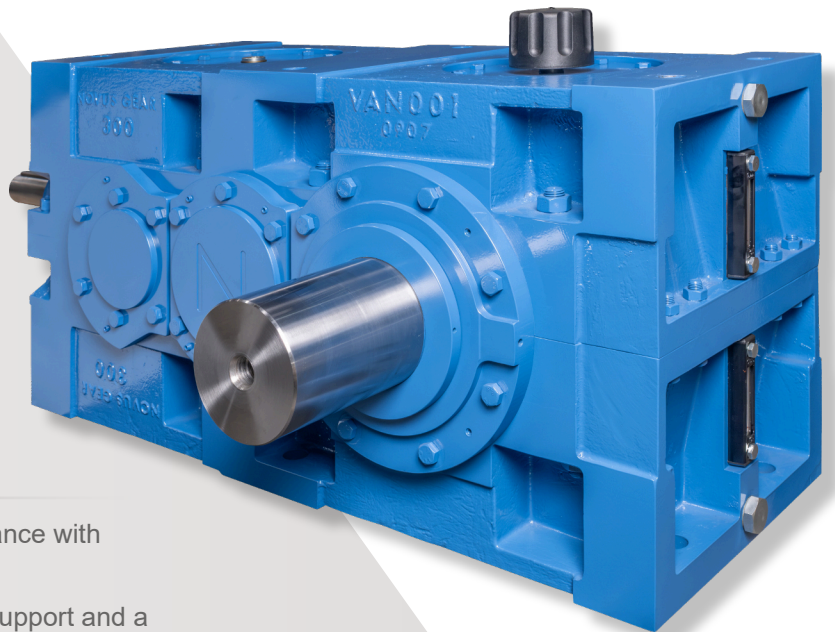
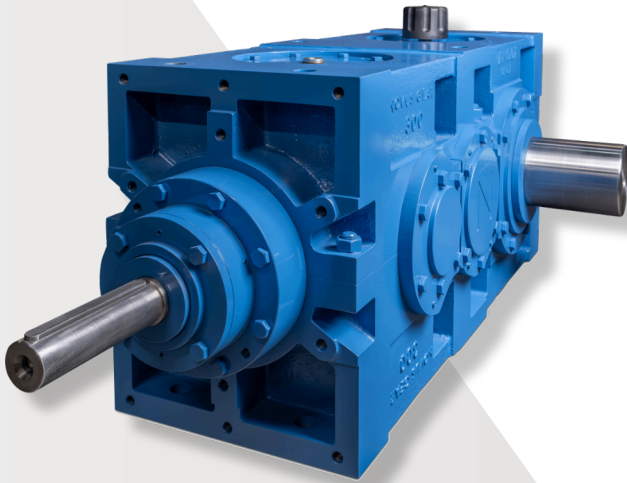
We provide turnkey solutions from the application design stage through to product delivery and commissioning.

The NOVUS GEAR solution comes with a wealth of power transmission experience and the product design is based on a combination of tried and tested engineering principals.

Customized maintenance service packages for all NOVUS GEAR units are available.

Only premium brand bearings are used in the NOVUS GEAR units.

12 Month conditional warranties apply.



Why **NOVUS GEAR** Industrial Gearboxes?

NOVUS gearboxes are manufactured locally in accordance with international standards.

Local manufacturing means shorter lead times, better support and a price benefit to the end-user.

Simple efficient solutions, yet flexible enough to meet the demands of the most complex applications.

We are well experienced in application engineering to supply complete and optimised drive solutions.

Drop-In Replacement units are offered in cases of limited flexibility to match footprints, shaft center distances, shaft heights and shaft diameters.

GEARBOX RATINGS AND SELECTION

TWO STAGE UNITS

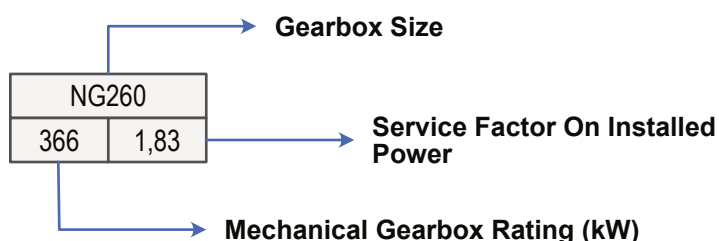
B2

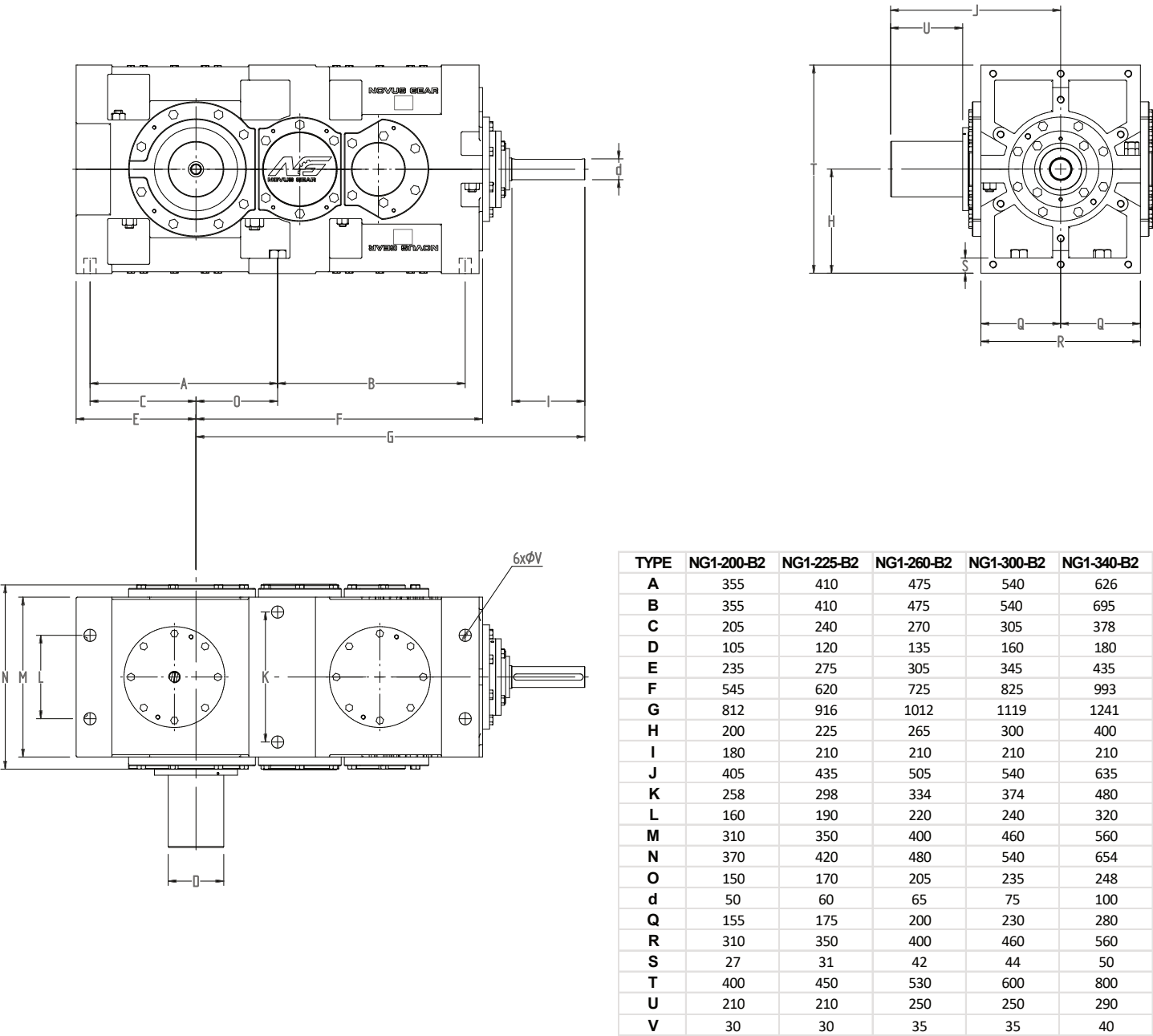
Gearbox Size		Nominal Ratio - Two Stage Gear Units									
Rating (kW)	SF	11,2		12,5		14		16		18	
Installed Power (Motor kW) at 1500 RPM	75	NG200		NG200		NG200		NG200		NG200	
		197	2,63	173	2,31	156	2,08	125	1,67	123	1,64
	90	NG200		NG200		NG200		NG225		NG225	
		197	2,19	173	1,92	156	1,73	181	2,01	181	2,01
	110	NG200		NG200		NG225		NG225		NG225	
		197	1,79	173	1,57	235	2,14	181	1,65	181	1,65
	132	NG225		NG225		NG225		NG260		NG260	
		289	2,19	254	1,92	235	1,78	288	2,18	284	2,15
	160	NG225		NG225		NG260		NG260		NG260	
		289	1,81	254	1,59	366	2,29	288	1,80	284	1,78
	185	NG225		NG260		NG260		NG260		NG260	
		289	1,56	404	2,18	366	1,98	288	1,56	284	1,54
	200	NG260		NG260		NG260		NG300		NG300	
		456	2,28	404	2,02	366	1,83	403	2,02	396	1,98
	220	NG260		NG260		NG260		NG300		NG300	
		456	2,07	404	1,84	366	1,66	403	1,83	396	1,80
	250	NG260		NG260		NG300		NG300		NG300	
		456	1,82	404	1,62	509	2,04	403	1,61	396	1,58
	260	NG260		NG260		NG300		NG300		NG300	
		456	1,75	404	1,55	509	1,96	403	1,55	396	1,52
	280	NG260		NG300		NG300		NG340		NG340	
		456	1,63	532	1,90	509	1,82	636	2,27	636	2,27
	300	NG300		NG300		NG300		NG340		NG340	
		674	2,25	532	1,77	509	1,70	636	2,12	636	2,12
	315	NG300		NG300		NG300		NG340		NG340	
		674	2,14	532,00	1,69	509	1,62	636	2,02	636	2,02
	330	NG300		NG300		NG300		NG340		NG340	
		674	2,04	532	1,61	509	1,54	636	1,93	636	1,93
	355	NG300		NG340		NG340		NG340		NG340	
		674	1,90	851	2,40	797	2,25	636	1,79	636	1,79
	370	NG300		NG340		NG340		NG340		NG340	
		674	1,82	851	2,30	797	2,15	636	1,72	636	2,01
	400	NG300		NG340		NG340		NG340		NG340	
		674	1,69	851	2,13	797	1,99	636	1,59	636	1,59

Basic Gearbox Selection

Identify the required nominal ratio of the gearbox on the top of the selection chart.
Select the size of the electric motor based on the installed motor power on the left of the selection chart.
Where the motor kilowatt and the nominal gearbox ratio intersects on the chart will determine the gearbox size based on $SF_{inst} = 1,5$.

Reading The Selection Chart





GEARBOX RATINGS AND SELECTION

THREE STAGE UNITS

B3

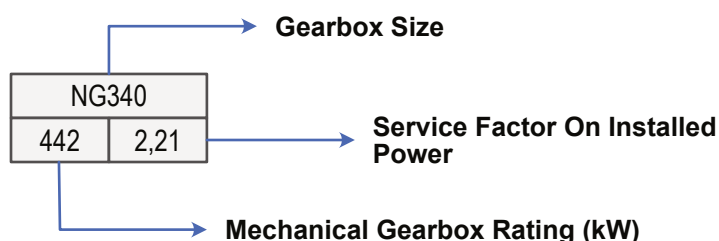
Gearbox Size		Nominal Ratio - Three Stage Gear Units									
Rating (Kw)	SF	20	22,4	25	28	31,5	35,5	40	45		
Installed Power (Motor kW) at 1500 RPM	75	NG225	NG225	NG225	NG225	NG225	NG260	NG260	NG260		
		197 2,63	184 2,45	161 2,15	144 1,92	130 1,73	173 2,31	157 2,09	136 1,81		
	90	NG225	NG225	NG225	NG225	NG260	NG260	NG260	NG300		
		197 2,19	184 2,04	161 1,79	144 1,60	199 2,21	173 1,92	157 1,74	197 2,19		
	110	NG225	NG225	NG260	NG260	NG260	NG260	NG300	NG300		
		197 1,79	184 1,67	245 2,23	214 1,95	199 1,81	173 1,57	223 2,03	197 1,79		
	132	NG260	NG260	NG260	NG260	NG300	NG300	NG300	NG300		
		310 2,35	269 2,04	245 1,86	214 1,62	276 2,09	244 1,85	223 1,69	197 1,49		
	160	NG260	NG260	NG300	NG300	NG300	NG300	NG340	NG340		
		310 1,94	269 1,68	349 2,18	310 1,94	276 1,73	244 1,53	358 2,24	312 1,95		
	185	NG260	NG300	NG300	NG300	NG300	NG340	NG340	NG340		
		310 1,68	389 2,10	349 1,89	310 1,68	276 1,49	389 2,10	358 1,94	312 1,69		
	200	NG300	NG300	NG300	NG300	NG340	NG340	NG340	*		
		439 2,20	389 1,95	349 1,75	310 1,55	442 2,21	389 1,95	358 1,79			
	220	NG300	NG300	NG300	NG340	NG340	NG340	*	*		
		439 2,00	389 1,77	349 1,59	470 2,14	442 2,01	389 1,77				
	250	NG300	NG300	NG340	NG340	NG340	*	*	*		
		439 1,76	389 1,56	532 2,13	470 1,88	442 1,77					
	260	NG300	NG300	NG340	NG340	NG340	*	*	*		
		439 1,69	389 1,50	532 2,05	470 1,81	442 1,70					
	280	NG300	NG340	NG340	NG340	NG340	*	*	*		
		439 1,57	575 2,05	532 1,90	470 1,68	442 1,58					
	300	NG340	NG340	NG340	NG340	*	*	*	*		
		650 2,17	575 1,92	532 1,77	470 1,57						
	315	NG340	NG340	NG340	NG340	*	*	*	*		
		650 2,06	575 1,83	532 1,69	470 1,49						
	330	NG340	NG340	NG340	*	*	*	*	*		
		650 1,97	575 1,74	532 1,61							
	355	NG340	NG340	*	*	*	*	*	*		
		650 1,83	575 1,62								
	370	NG340	NG340	*	*	*	*	*	*		
		650 1,76	575 1,55								
	400	NG340	*	*	*	*	*	*	*		
		650 1,63									

* Sizes not listed are available on request.

Basic Gearbox Selection

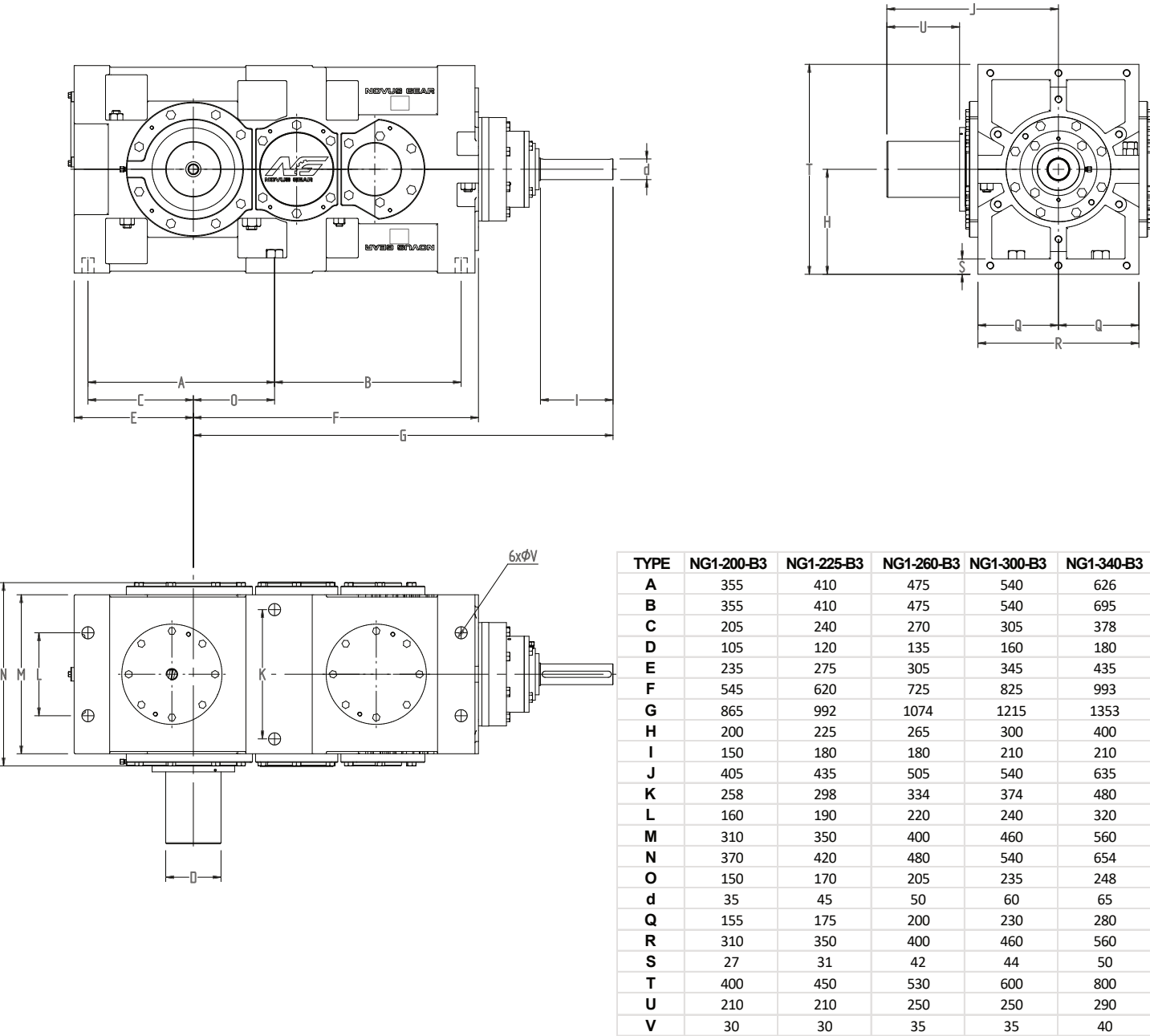
Identify the required nominal ratio of the gearbox on the top of the selection chart.
Select the size of the electric motor based on the installed motor power on the left of the selection chart.
Where the motor kilowatt and the nominal gearbox ratio intersects on the chart will determine the gearbox size based on SFinst = 1,5.

Reading The Selection Chart



B3

THREE STAGE B3 GEARBOX DIMENSIONS





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NG1 SERIES INDUSTRIAL GEARBOX
Precision Engineered. Built to Perform.