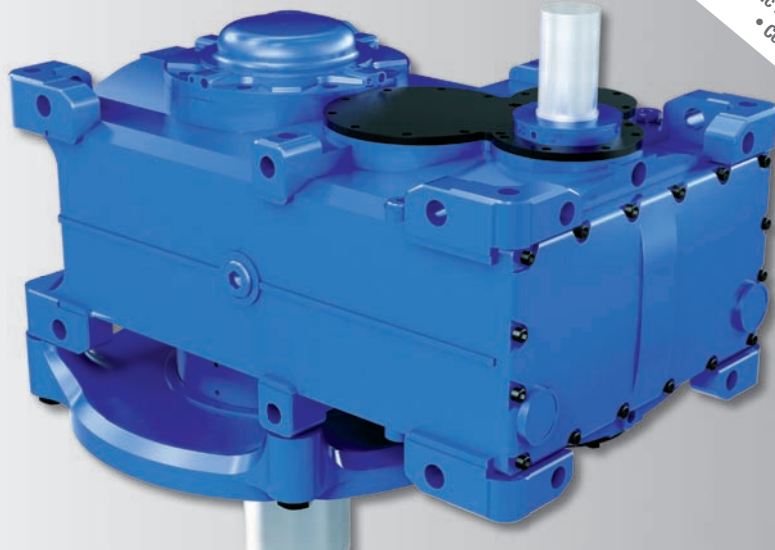


Your application: Environmental technology

Our solution: Series E4 Environmental

novation • High efficiency • Innovation • High efficiency • Innovation • High efficiency • Innovation • High eff



- Innovative all-round concept in the field of environmental technology guarantees "best fit"
- High efficiency and reduced TCO
- High efficiency Design – high efficiency and high cost effectiveness
- Basic functionalities in the basic design facilitate high cost effectiveness
- Component kits offer scaling through application functions

Torque up to 50.000 Nm

System attributes:

Housing design optimised for

- High stiffness
- High efficiency factor (high heat limit performance)
- Versatile scaling without (cost) impact to the basic design

Construction kit optimised for

- High number of multiple-use components
- Scaling possibilities for meeting application-specific requirements
- Basic principle:

Only as many features as needed, scaling where possible

Basic functionalities:

Basic functionalities cover conventional performance needs

Examples:

- Versatile shaft options, for example, hollow shafts, solid shafts
- Parallel shaft drives in 2-, 3- stage designs
- Wide transmission spectrum from $i = 6.3 \dots > 1000$ (with primary reduction gearing)
- Applicable in typical installation positions and designs, for example, with protective sealing for "no leakage".
- Designed for operation in the field of environmental and engineering technology and the existing specific application and surrounding conditions

Application features Environmental* product series:

- Scaling for special operation conditions, for example, high outer axial/radial forces through the Advanced Bearing System series
- Application possibilities for special surrounding conditions, for example, high temperatures, through function integration with the "advanced cooling" assembly series
- Leak-free with protective sealing, for example, in combination with the active lubricant system for reducing operating costs

Your benefits with Premium Stephan:

- Best cost-performance ratio
- High availability thanks to large number of multiple-use components
- Functionality determines the total cost – no unnecessary features in the basic design
- "Best fit" – a custom designed drive for your application

More than 80 years of experience in geared motor technology.

More than 25 years of experience in agitator, mixer, and radiator / cooling tower applications.

We help make your job a success!

Performance range E4 Environmental.



Size

Features		J	K	L	M
Torque [kNm]		25	31,5	40	50
Motor power [kW]	from	5,5	5,5	7,5	7,5
	up to	160	200	200	250
Ratio	Standard, 2/3 stage	6,3 ... 100	6,3 ... 100	6,3 ... 100	6,3 ... 100
	with prestage	... > 2000	... > 2000	... > 2000	... > 2000
Outside dimens. app.	L x W x H [mm]	888x367x560	888x367x560	1016x430x640	1016x430x640
Fixing	Flange Ø dA [mm]	670	670	730	730
Housing material	Grey cast iron GG 25	●	●	●	●
	Spheroidal cast iron GGG 40	○	○	○	○
Housing	Heavy duty design	●	●	●	●
Weight	[kg]	850	900	950	1100
Input	Input drive shaft	●	●	●	●
	IEC motor flange	○	○	○	○
	Belt drive	○	○	○	○
Input sealing	Oil seal HSS	●	●	●	●
	Double Oil seal HSS	○	○	○	○
	Labyrinth sealing HSS	○	○	○	○
	Labyrinth sealing with regreasing facility (Taconite)*	○	○	○	○
Output	Solid shaft Ø [mm]	150	160	170	180
	Hollow shaft Ø [mm]	135	135	150	160
	Hollow shaft with shrink disc	○	○	○	○
Output sealing	"DryWell" System ProtectiveSealing	○	○	○	○
	Double Oil seal LSS	○	○	○	○
	Labyrinth sealing with regreasing facility (Taconite)*	○	○	○	○
Mounting position	Vertical output shaft	●	●	●	●
Lubrication	ActiveLubricantSystem (integrated oil circulation)	○	○	○	○
	Splash lubrication	●	●	●	●
Painting	2 layer PU paint	●	●	●	●
	3 layer epoxy paint	○	○	○	○
	Increased protection for rough environmental conditions	○	○	○	○
Cooling	No additional cooling system	●	●	●	●
	Fan on HSS - Advanced Cooling	○	○	○	○
	Increased cooling ProCool System (of series C4)	○	○	○	○
	Oil-Water heat exchanger	○	○	○	○
Bearing	Heavy duty bearings	●	●	●	●
	Long life bearings	○	○	○	○
Back stop	Integrated back stop, oil lubricated	○	○	○	○
Oil level control	Oil dip stick	○	○	○	○
	Oil level sensor	○	○	○	○
Breather	Breather valve	●	●	●	●
Maintenance	Oil drain with large diameter	●	●	●	●
	Oil drain cock	○	○	○	○
	Oil filler with large diameter	○	○	○	○
	Relubrication facility for input and output shaft	○	○	○	○
	Heater	○	○	○	○
Accessories	Coupling on HSS and LSS	○	○	○	○
	Flange coupling LSS	○	○	○	○
	Drive motor (all makes)	○	○	○	○
Oil quality	Synthetic oil	○	○	○	○
	Mineral oil	○	○	○	○
Norm / Standards	ISO 6336	●	●	●	●

* Advanced Protection Sealing

● Standard

○ Option

Flexible range of products. Fast implementation. Reliable partnership.



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