

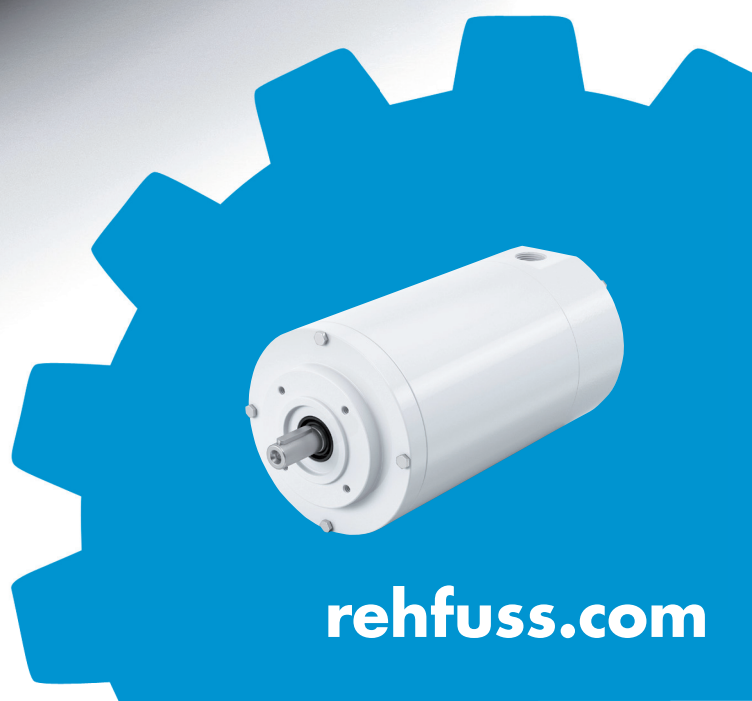


SMOOTH BODY 3-PHASE MOTOR

The smooth motor for „clean“ applications



**success based on
quality and reliability**



rehfuss.com

EFFICIENT, POWERFUL AND SMOOTH SURFACE

Smooth Body Motor
4-pole asynchronous 3-phase motor

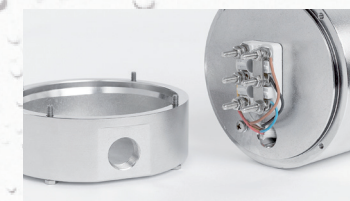
OPTIMIZED SEALING MATERIALS
Can be individually adapted to
operations conditions.

SUITABLE FOR FREQUENCY INVERTER
Motor winding, insulation system are optimized for
mains or frequency operation.

POLISHED SURFACE
Optimum surface quality
for reduced germ formation.

RADIAL CABLE ENTRY
Position of cable entry can be determined
4 x 90° during installation.

INTEGRATED TERMINAL BOARD
Easy and secure mains connection.



HIGH PROTECTION CLASS
IP66 (Optional IP69K) for
wash-down applications.

SMOOTHING HOUSING SURFACE
Smooth, round inline-housing for easy
and thoroughly cleaning.

Picture shows version SBH with options

THE SMOOTH ONE FROM REHFUSS

OPTIONS (excerpt)



Cable gland Stainless steel



Cable gland Stainless steel
hygienic EHEDG certificated



Combination with gearboxes of the
Reh fuss gearbox modular system

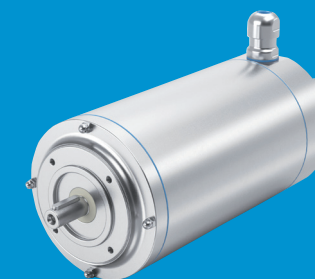
VARIATIONS



SBA
Smooth body motor
Aluminium with coating



SBE
Smooth body motor
Stainless steel

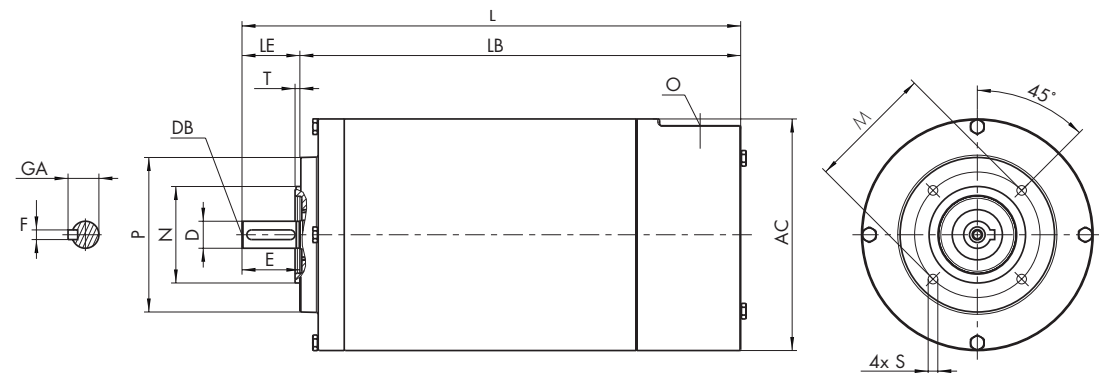


SBH
Smooth body motor
Stainless steel in hygienic-design

TECHNICAL DATA

Type of motor		SBA / SBE / SBH 63 L/4			SBA / SBE / SBH 71 S/4			SBA / SBE / SBH 71 L/4			SBA 71 L/4x		SBE / SBH 71 L/4a	
Rated capacity	kW	0,15			0,2			0,25			0,37		0,37	
Rated speed at 50Hz	1/min	1350			1380			1440			1390		1420	
Rated current at 400V	A	0,5			0,55			0,90			1,08		1,04	
Power factor	cos phi	0,65			0,79			0,56			0,7		0,7	
Efficiency class		IE2			IE3			IE3			IE2		IE3	
Ventilation type		TENV			TENV			TENV			TENV		TENV	
Weight	kg	SBA 6,2	SBE 10,0	SBH 10,0	SBA 7,0	SBE 11,0	SBH 11,0	SBA 8,0	SBE 12,0	SBH 12,0	SBA 8,0		SBE 14,0	SBH 14,0

TENV = Totally Enclosed Non-Ventilated



Type of motor	SBA / SBE / SBH 63 L/4		SBA / SBE / SBH 71 S/4			SBA / SBE / SBH 71 L/4			SBA 71 L/4x		SBE / SBH 71 L/4a	
AC	105		120			120			120		120	
LB	220		220			220			220		245	
O	M20 x 1,5		M20 x 1,5			M20 x 1,5			M20 x 1,5		M20 x 1,5	
D _{k6}	9	11	9	11	14	11	14	11	14	11	14	14
E	20	23	20	23	30	23	30	23	30	23	30	30
LE	20	23	20	23	30	23	30	23	30	23	30	30
GA	10,2	12,5	10,2	12,5	16	12,5	16	12,5	16	12,5	16	16
F	3	4	3	4	5	4	5	4	5	4	5	5
DB	M4	M4	M4	M4	M5	M4	M5	M4	M5	M4	M5	M5
L	240	243	240	243	250	243	250	243	250	273	275	275

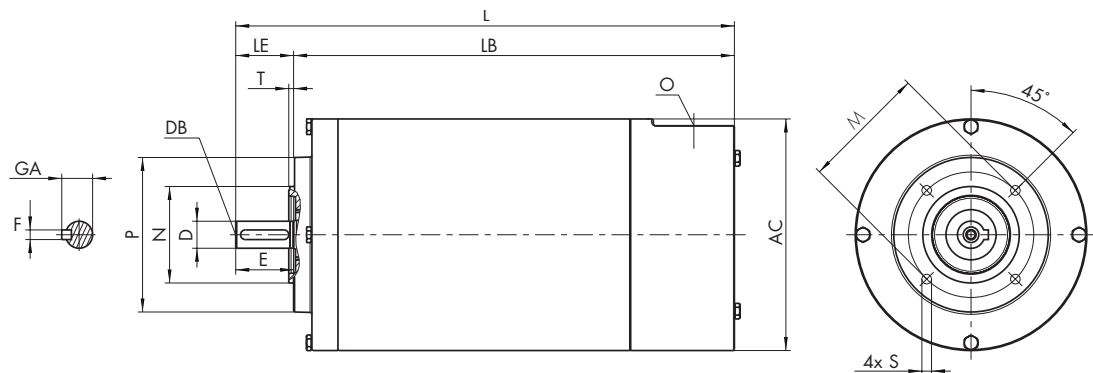
possible motor flange SBA / SBE / SBH		P	N _{j6}	M	T	S
63	SBA / SBE	80	50	65	2,5	M5
		90	60	75	2,5	M5
	SBH	80	50	65	2,5	M5
		85	60	75	2,5	M5
71	SBA / SBE / SBH	80	50	65	2,5	M5
		90	60	75	2,5	M5
		99	70	85	2,5	M5

SBA = Aluminium with coating, SBE = Stainless steel, SBH = Stainless steel im hygienic design

TECHNICAL DATA

Type of motor		SBE / SBH 80L/4x		SBE / SBH 80L/4		SBE / SBH 90S/4		SBE / SBH 90L/4		SBE / SBH 90L/4a	
Rated capacity	kW	0,37		0,55		0,55		0,75		1,1	
Rated speed at 50Hz	1/min	1400		1415		1470		1471		1447	
Rated current at 400V	A	1,2		1,46		1,88		2,35		2,77	
Power factor	cos phi	0,53		0,67		0,54		0,56		068	
Efficiency class		IE4		IE3		IE3		IE3		IE3	
Ventilation type		TENV		TENV		TENV		TENV		TENV	

TENV = Totally Enclosed Non-Ventilated

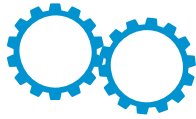


Type of motor	SBE / SBH 80L/4x		SBE / SBH 80L/4		SBE / SBH 90S/4		SBE / SBH 90L/4		SBE / SBH 90 L/4a	
AC	145		145		160		160		160	
LB	280		280		318		318		318	
O	M20 x 1,5		M20 x 1,5		M20 x 1,5		M20 x 1,5		M20 x 1,5	
D _{k6}	14	19	14	19	19	24	19	24	19	24
E	30	40	30	40	40	50	40	50	40	50
LE	30	40	30	40	40	50	40	50	40	50
GA	16	21,5	16	21,5	21,5	27	21,5	27	21,5	27
F	5	6	5	6	6	8	6	8	6	8
DB	M6	M6	M6	M6	M6	M8	M6	M8	M6	M8
L	310	320	310	320	358	368	358	368	358	368

possible motor flange SBE / SBH		P	N _{j6}	M	T	S
80	SBE	90	60	75	2,5	M6
		105	70	85	2,5	M6
		120	80	100	2,5	M6
		140	95	115	2,5	M6
90	SBH	90	60	75	2,5	M6
		105	70	85	2,5	M6
		120	80	100	3,0	M6
		140	95	115	3,0	M6
90	SBE	120	80	100	3,0	M6
		120	80	100	3,0	M6

SBE = Stainless steel, SBH = Stainless steel im hygienic design

HIGHLIGHTS



HIGH EFFICIENCY



HOUSING ALSO IN
STAINLESS STEEL VERSION



LOW NOISE



EASY CLEANING THANKS TO
SMOOTH SURFACESMOOTH
SURFACE



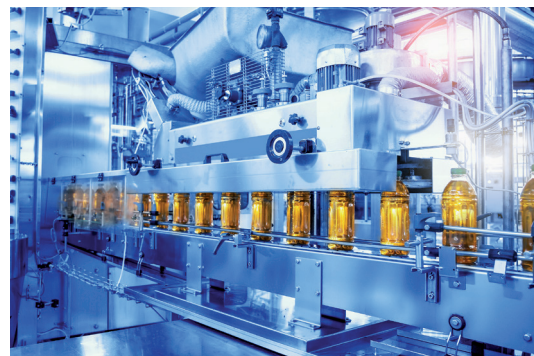
HIGH PROTECTION CLASS



EXCEPTIONALLY LONG
SERVICE LIFE

AREAS OF APPLICATION

- Food industry
- Beverage industry
- Pharmaceutical engineering
- Chemical industry
- Environmental technology
- Packaging machines



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