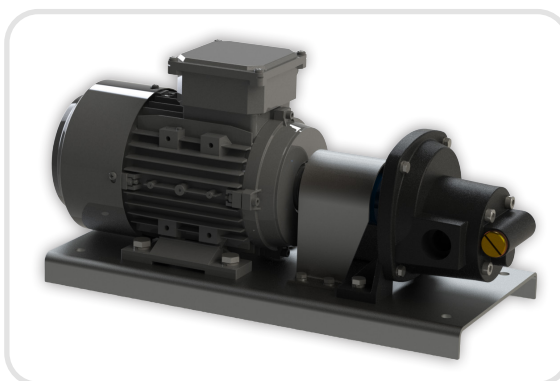
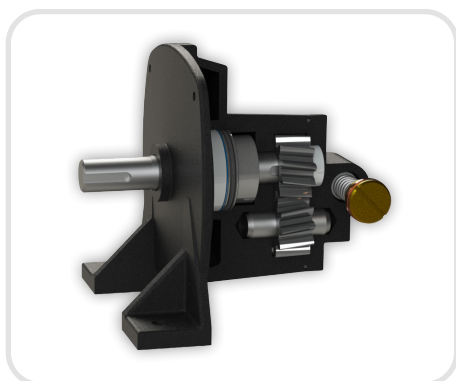




R-EL (SB) Series

Bare shaft gear pump



Description

- Self-priming external helical gear pump with built-in safety valve.
- Suitable for the transfer of fuel oils, lubricants, animal or vegetable fats and others.
- The series is supplied as bare shaft without motor or on baseplate with electric motor attached by means of a simple elastic coupling. Also available in ATEX version.
- Sealing solution with mechanical seal or lip seals depending on the model.

Materials

Pump casing	GG-25
Gears	Treated steel
Pump shaft	F-114
Front pump cover	GG-25
Rear pump cover	GG-25
Sealing solution	Mechanical seal or lip seals depending on the model

Technical data

Motor	Single/three-phase according to IEC standards
Efficiency	- IE2 or IE3 for powers > 1 HP - IE1 if the power < 1 HP - It can be supplied up to IE5.
Tension	- Single-phase 230V $\pm$ 10% up to 1 HP - Three-phase 230/400 V $\pm$ 10% up to 5,5 HP - Three-phase 400/600 V $\pm$ 10% from 7,5 HP
Poles	4 or 6 depending on the model
Level of protection	IP55
Insulation	F class

Usge limits

Range of flow rates	From 220 to 40000 l/h
Range of pressures	Up to 10 bar depending on the model
Max. working pressure	12 bar
Max. working temperature	160°C. Up to 200°C with special lip seal and gaskets
Max. suction height	7 m

Connections

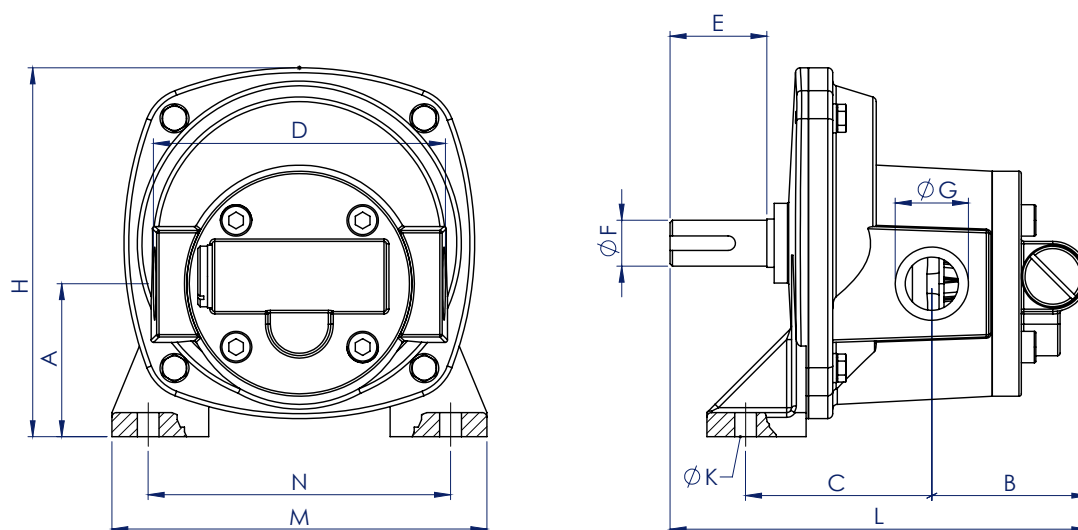
	Suction	Discharge
R-3 EL (SB)	3/8	3/8
R-5 EL (SB)	3/4	3/4
R-10/16 EL (SB)	1"	1"
R-17/25/35/50/65 EL (SB)	1" 1/4	1" 1/4
R-100/140 EL (SB)	DN65	DN65
R-250 EL (SB)	DN 80	DN 80
R-400 EL (SB)	DN 100	DN 100



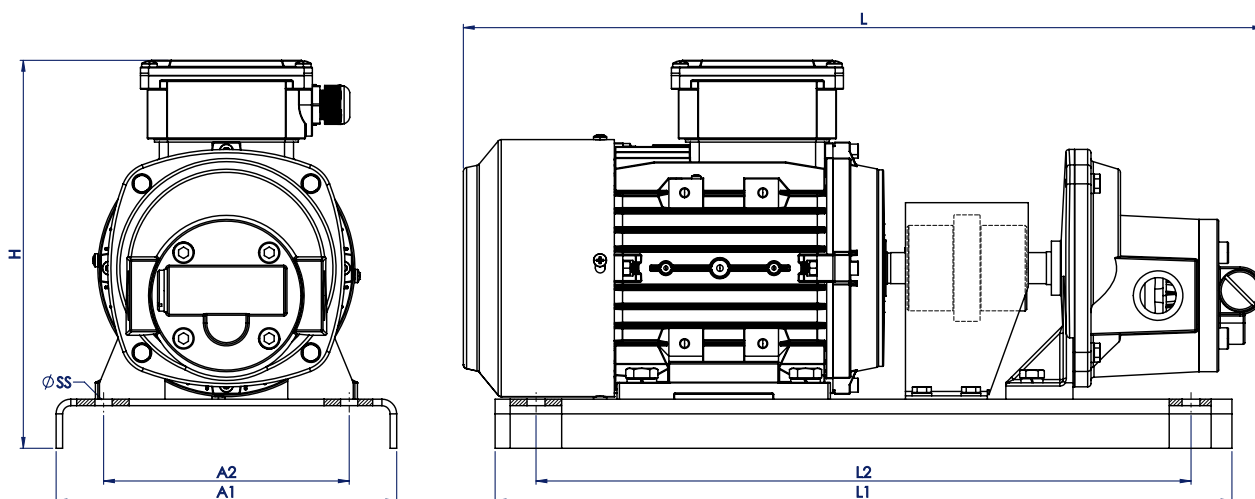
Características de modelo

Model	Power		Motor	Tension	I	n	P _{MAX.}	Flow
	HP	kW	Tipo	V	A	rpm	kg/cm ²	l/h
R-3 EL (SB)	0,5	0,37	71	230M 230/400T	3,8 2,5/1,5	1450	10	220
R-5 EL (SB)	0,5	0,37	71	230M 230/400T	3,8 2,5/1,5	1450	10	500
R-10 EL (SB)	1	0,75	80	230M 230/400T	6 3,6/2,1	1450	10	1000
R-16 EL (SB)	1	0,75	80	230M 230/400T	6 3,6/2,1	1450	6	1600
R-17 EL (SB)	2	1,5	90L	230/400T	6,7/3,9	1450	10	1700
R-25 EL (SB)	2	1,5	100	230/400T	7,1/4,1	950	10	2500
R-35 EL (SB)	3	2,2	100	230/400T	8,8/5,1	1450	8	3500
R-50 EL (SB)	4	3	100	230/400T	12,3/7,1	1450	10	5000
R-65 EL (SB)	5,5	4	100	230/400T	16/9,3	1450	8	6500
R-100 EL (SB)	5,5	4	132M	230/400T	16/9,3	950	10	10000
R-140 EL (SB)	7,5	5,5	132S	400/600T	22,5/13	1450	7	14000
R-250 EL (SB)	10	7,5	132M	400/600T	34,6/20	1450	8	25000
R-400 EL (SB)	15	11	160M	400/600T	21,2	1450	4	40000

Dimensions for threaded outlet models

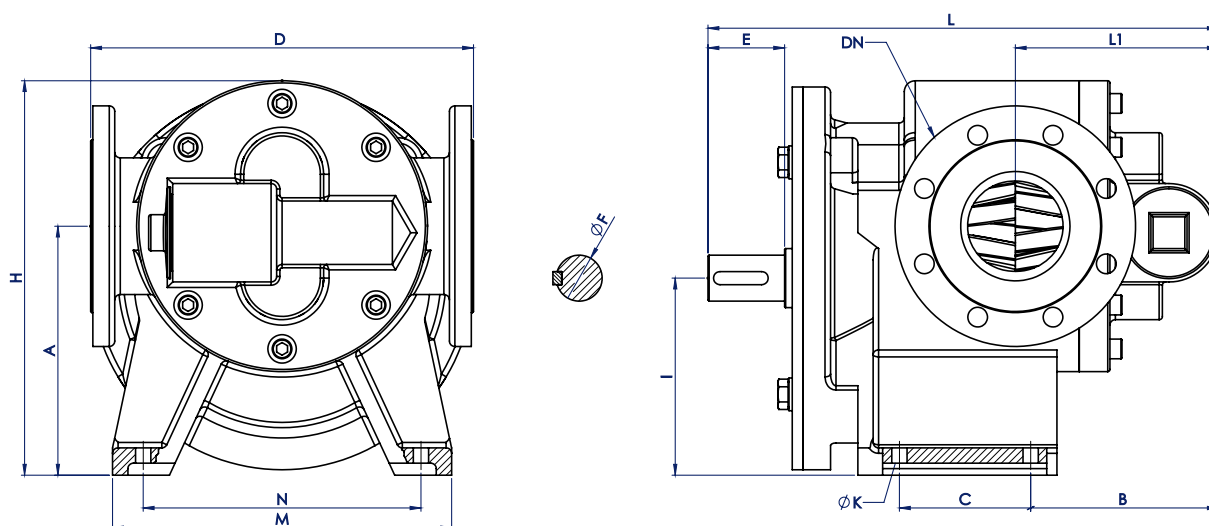


Model	General dimensions									Anchorage		
	L	H	A	B	C	D	E	ØF	ØG	M	N	ØK
R-3 EL	152,5	132	58	55	72,5	98	30	14	3/8	135	112	7
R-5 EL	152,5	132	58	59	68,5	98	30	14	3/4	135	112	7
R-10 EL	172,7	152,5	63,25	64,5	77	120	40	19	1"	155	125	9
R-16 EL	172,7	152,5	62,15	64,5	77	120	40	19	1"	155	125	9
R-17 EL	215	170	66,27	92,5	60,5	160	50	24	1"1/4	144	120	10
R-25/35 EL	251	200	73,65	104	77	180	52	28	1"1/4	164	140	9
R-50 EL	251	200	73,285	104	77	180	52	28	1"1/4	164	140	9
R-65 EL	251	200	73,95	104	77	180	52	28	1"1/4	164	140	9

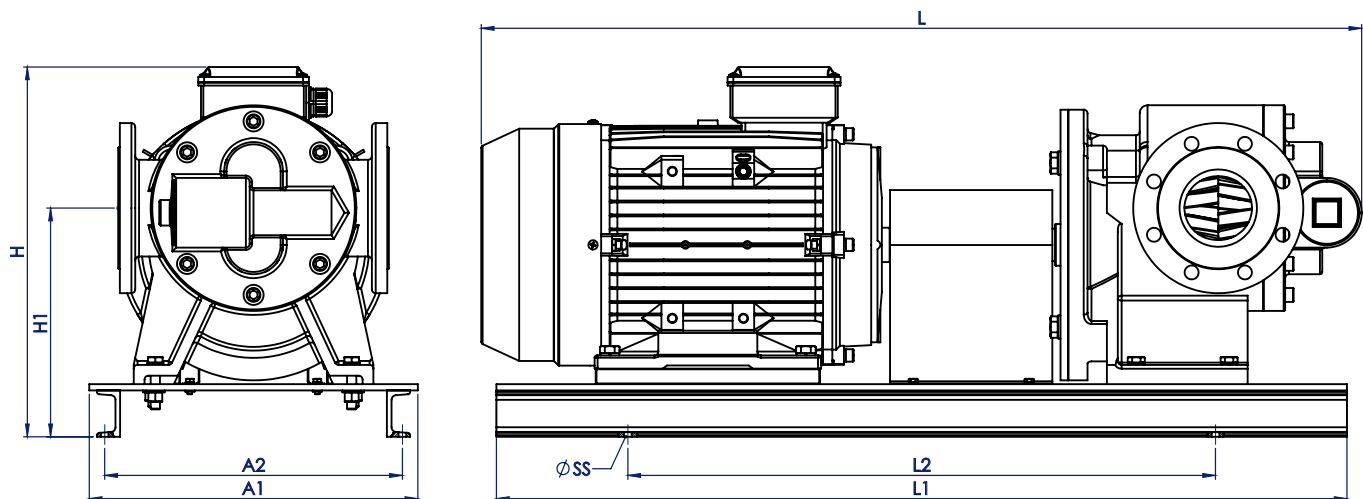


Model	Motor		General dimensions and anchorage						
	Type	Coupling	L	L1	L2	H	A1	A2	ØSS
R-3 EL SB	71	Tipo A00	424,5	400	360	186	150	110	9
R-5 EL SB	71	Tipo A00	424,5	400	360	186	150	110	9
R-10 EL SB	80	Tipo A0	483,7	450	400	240	200	150	11
R-16 EL SB	80	Tipo A0	483,7	450	400	240	200	150	11
R-17 EL SB	90L	Tipo A0	576	550	500	258	200	150	11
R-25/35 EL SB	100	Tipo A1	658	650	600	290	250	200	14
R-50 EL SB	100	Tipo A1	658	650	600	290	250	200	14
R-65 EL SB	100	Tipo A1	658	650	600	290	250	200	14

Dimensions for flanged outlet models



Model	General dimensions											Anchorage		
	L	L1	H	A	B	C	D	DN	E	ØF	I	M	N	ØK
R-100 EL	396,5	130,5	297,5	187,215	216	-	276	65	80,5	38	150	300	220	15
R-140 EL	396,5	130,5	297,5	187,215	216	-	276	65	80,5	38	150	300	220	15
R-250 EL	425	165,15	283,5	171	177	70	310	80	95	38	132	240	180	12
R-400 EL	466,5	185,5	360,7	227,7	171,5	120	350	100	70	42	180	310	254	14



Model	Motor		General dimensions and anchorage							
	Type	Coupling	L	L1	L2	H	HI	A1	A2	ØSS
R-100 EL SB	132M	Tipo A1	928,5	980	700	594	253,215	390	350	10
R-140 EL SB	132S	Tipo A1	928,5	980	700	554	253,215	390	350	10
R-250 EL SB	132M	Tipo A1	957	980	700	576	237	390	350	10
R-400 EL SB	160M	Tipo A2	1138,5	1100	760	478	295,7	425	350	10

