



R-U Series

Gear pump with standard motor



Description

- Self-priming external helical gear pump with built-in safety valve.
- Suitable for transferring fuel oils, lubricants, animal or vegetable fats and others.
- Compact monoblock construction with rigid coupling to standard motor according to IEC standards. 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 cover	GG-25
Sealing solution	Depending on the model and application
Rear flange	Ductile cast iron

Technical data

Motor	Single/three-phase according to IEC standards
Efficiency	- IE2 or IE3 for powers > 0,9kW - IE1 if the power < 0,9kW - It can be supplied up to IE5.
Tension	Single-phase or three-phase tension according to the country or region
Poles	4 or 6 depending on the model
Level of protection	IP55
Insulation	F class

Usage 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	110°C
Max. suction height	7 m

Connections

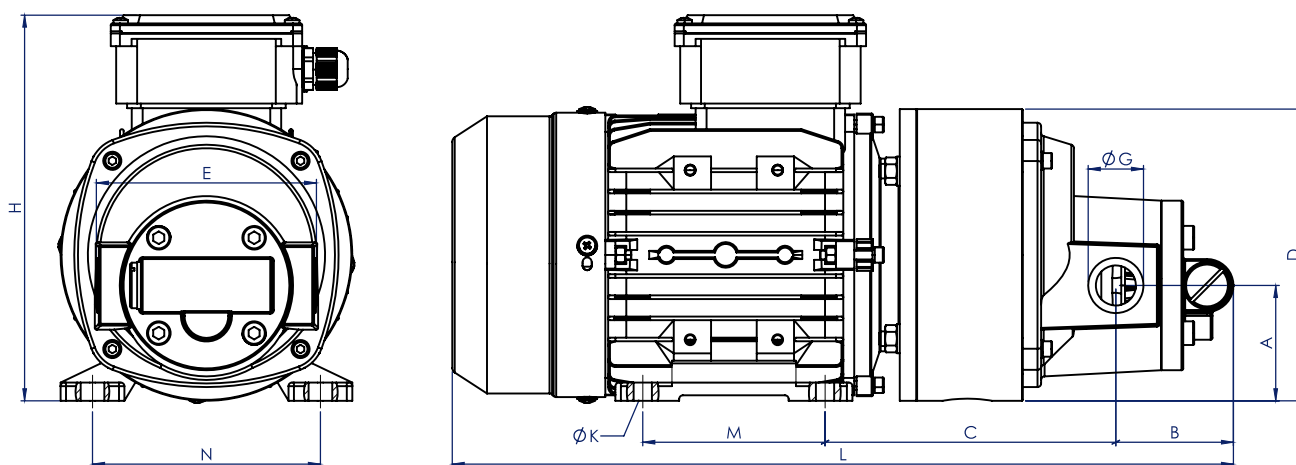
	Suction	Discharge
R-3 U	3/8	3/8
R-5 U	3/4	3/4
R-10/16 U	1"	1"
R-17/25/35/50/65 U	1" 1/4	1" 1/4
R-100/140 U	DN65	DN65
R-250 U	DN 80	DN 80
R-400 U	DN 100	DN 100



Model characteristics

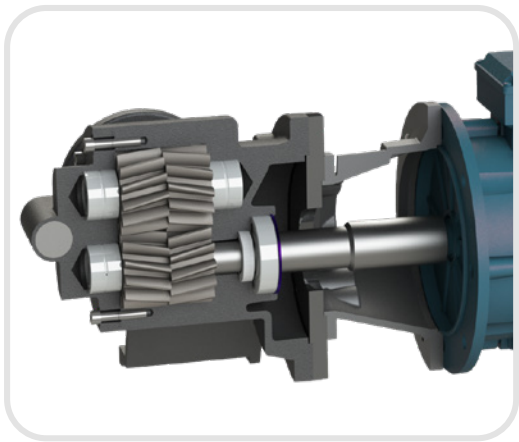
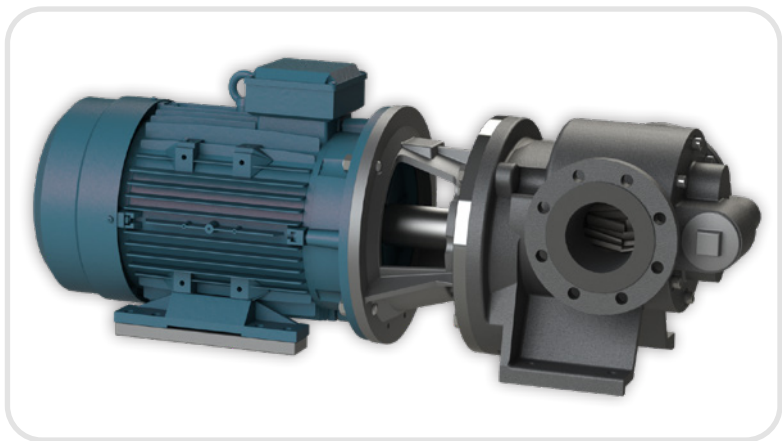
Model	Power		Motor	n	P _{MÁX.}	Flow
	HP	kW	Type	rpm	kg/cm ²	l/h
R-3 U	0,61	0,45	71	1800	10	265
R-5 U	0,61	0,45	71	1800	10	600
R-10 U	1,2	0,9	80	1800	10	1200
R-16 U	1,2	0,9	80	1800	6	1920
R-17 U	2,4	1,8	90L	1800	10	2040
R-25 U	2,4	1,8	100	1200	10	3000
R-35 U	3,5	2,6	100	1800	8	4200
R-50 U	4,9	3,6	10t0	1800	10	6000
R-65 U	6,5	4,8	100	1800	8	7800
R-100 U	6,5	4,8	132M	1200	10	12000
R-140 U	9	6,6	132S	1800	7	16800
R-250 U	12	9	132M	1800	8	30000
R-400 U	18	13	160M	1800	4	48000

Dimensions for threaded outlet models

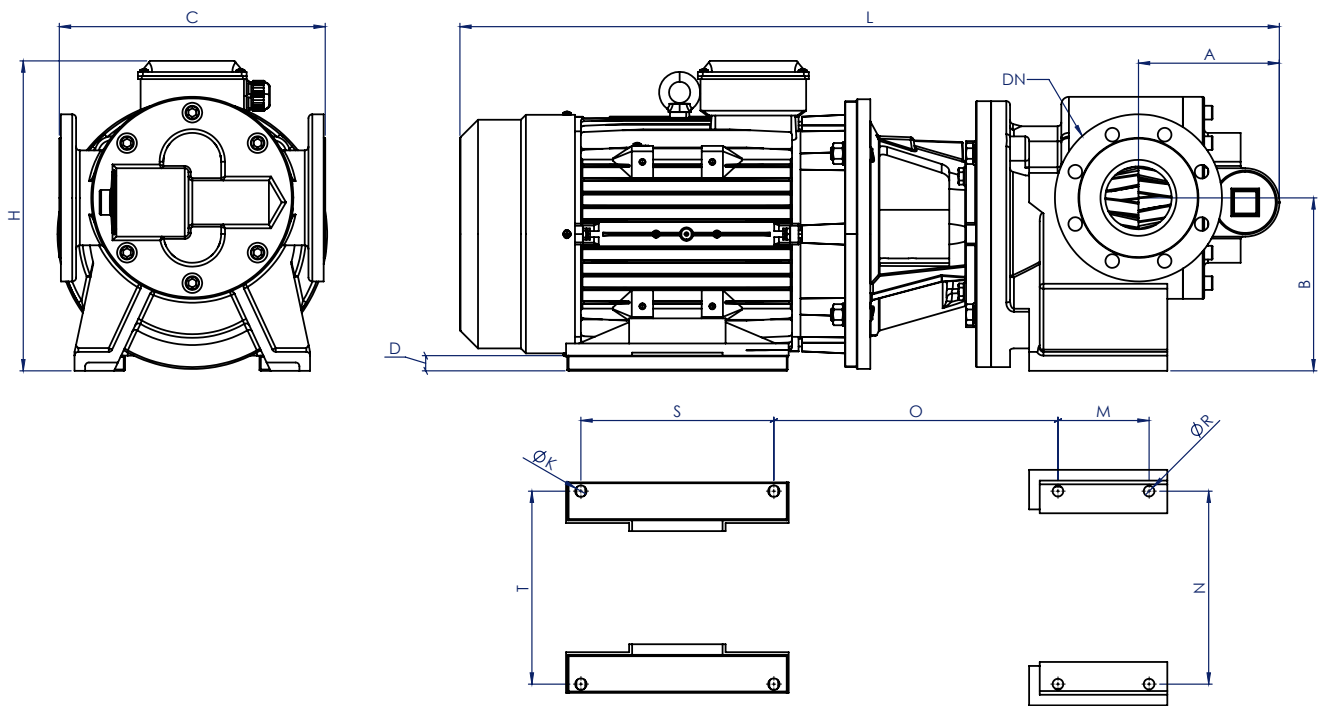


Model	General dimensions								Anchorage		
	L	H	A	B	C	D	E	ØG	M	N	ØK
R-3 U	369,5	188	58	55	129,5	140	98	3/8	90	112	7
R-5 U	369,5	188	58	59	125,5	140	98	3/4	90	112	7
R-10 U	428,5	210	63,25	64,5	159,5	160	120	1"	100	125	9
R-16 U	428,5	210	62,15	64,5	159,5	160	120	1"	100	125	9
R-17 U	507	228	66,27	92,5	175,5	160	160	1"1/4	125	140	10
R-25/35 U	576	260	73,65	104	210	200	180	1"1/4	140	160	12
R-50 U	576	260	73,285	104	210	200	180	1"1/4	140	160	12
R-65 U	576	260	73,95	104	210	200	180	1"1/4	140	160	12

- For ATEX models, the dimensions may vary.



Dimensions for flanged outlet models



Model	General dimensions							Anchoring dimensions						
	L	H	A	B	C	D	DN	M	N	ØR	O	S	T	ØK
R-100 U	736	325	130,5	187,125	276	18	DN65	-	220	15	179	178	216	12
R-140 U	696	325	130,5	187,125	276	18	DN65	-	220	15	179	140	216	12
R-250 U	788	325	165,15	171	310	-	DN80	70	180	12	200	178	216	12
R-400 U	1086,5	390	185,5	227,7	350	20	DN100	120	210/254	14	374	254	254	15

• For ATEX models, the dimensions may vary.