



NORTH RIDGE PUMPS
ENGINEERED BEYOND YOUR NEEDS



**ROTARY
LOBE PUMPS**



A proven track record for product support and customer



THE NORTH RIDGE DIFFERENCE

North Ridge Pumps are an independent manufacturer and distributor of pumps. Established since 1998 we have a wealth of experience in pumping applications, handling fluids from fresh water, seawater and glycols to heavy oil, grease, food and chemicals.

We work within a range of industries, both in the UK and internationally. Our pump types range from standard centrifugal pumps and multistage pumps, to immersed and process overhung solid handling pumps. We also supply a wide range of positive displacement pumps, such as; peristaltic, progressing cavity, screw, vane and gear, allowing us to provide more than one solution for your process and accommodate almost any fluid.

We offer the following services:

Technical support: We know at times pump selection is difficult. Pump selections are made with confidence by technical sales engineers who understand your process, ensuring equipment is engineered beyond your needs.

To select the correct technical solution for your requirement, longevity of design is prioritised. If there are existing issues you need assistance with, we work with you to solve these which could be high maintenance costs, frequent service periods, repeated equipment breakdown leading to lost revenue, inconsistent flow rates, clogging or where pumped product is inconsistent.

Application experience: Due to our 20 years of application experience we work with you to ensure our pumps operate

according to your desired application. Our experience means we have most likely provided a solution for a similar process previously. With proven results, we know how to achieve your outcome sooner.

As our pumps are completely configurable, we pump with materials according to your requirement, to your required duty point. Pumps are engineered specifically for your process whether they be baseplate mounted, within a mobile frame or in kit form with couplings, hoses, and dispensing nozzle.

We understand at times associated process equipment may be required alongside your pump; therefore we have become accustomed to supplying pumps complete with control panels, inverter drives, monitoring, couplings, hose, flowmeters and valves.

service throughout the UK and internationally.



THE ROTARY LOBE PUMPS INDEX

THE RLP RANGE

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RLP 4 Rotary Lobe Pumps

RLP 5 Rotary Lobe Pumps

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RLP 10 Rotary Lobe Pumps



The operating principle of a Internal Gear Pump is defined by its simplicity and advantages



WORKING PRINCIPLE OF ROTARY LOBE PUMP

Our industrial and sanitary rotary lobe pumps are designed for the handling of low to high viscosity fluids which are either clean or have concentrated solids in suspension.

Due to their high efficiency, low shear pumping motion and cleaning in place characteristics, these units are typically used for the transfer of sensitive and hygienic fluids within the biotechnology, pharmaceutical, chemical, food & beverage markets.

Their rotary positive displacement operation ensures a smooth non-pulsating flow of media, enabling them to be used reliably with flowmeters and ensure that mixtures

remain unchanged by pumping motion.

The design of our RLP Rotary Lobe Pump allows not only the pumping of thin liquids, but also mixtures containing large suspended and concentrated solid particles such as olives, molasses, syrups, fruits and vegetables.

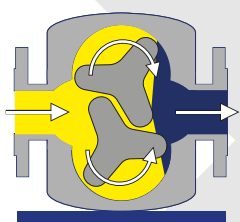
The internal casing is designed to accommodate easy CIP cleaning through the addition of a flushing line connected directly to the seal, guaranteeing seal faces remain clean when handling sticky, abrasive mixtures.

Designs are available with either

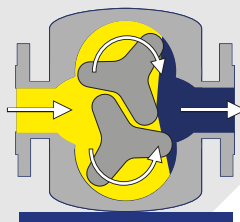
a heating or cooling jacket for the maintaining of pumped fluid temperature, safeguarding sensitive liquids ensuring they remain within set temperatures for the preservation of hygiene.

This range is designed with the ability to run dry for long periods of time without damage to the internal lobes or seals as the seal is located within an oil bath.

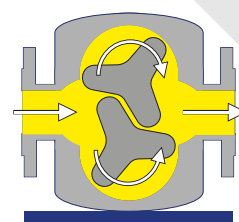
The internal design has been optimised over many years to improve efficiency, ensuring clearances remain tight, that there is close to zero slip, reducing power consumption confirming their suitability for continuous operation.



Rotary Lobe Pumps are driven by a set of timing gears, carefully calibrated to ensure that the two rotating lobes do not make contact. They are attached to two parallel shafts within a Stainless-Steel casing and rotate in the opposite direction to that of the motor. The pressure generating ability of the pump is limited by bearing location and shaft deflection.



The rotating action of the lobes creates a vacuum at the pump inlet. Liquid fills the inner chamber and gaps between the lobes. The working motion forces the liquid into the voids which is transferred between the lobes and the internal pump casing – liquid does not flow between the lobes.



The liquid is conveyed towards the outlet of the pump and once the casing is filled, liquid is discharged from the pump.

A relief valve at the top of the pump casing (not shown) will recirculate fluid back towards the inlet should the pump operate above its expected working pressure, typically due to a pipeline blockage or closed valve ensuring the pump or system does not experience over pressure.

Heating or Cooling Jackets can be placed on the front and rear of the casing to prevent fluids from solidifying, or overheating.



NORTH RIDGE PUMPS
ENGINEERED BEYOND YOUR NEEDS



RLP

North Ridge Pumps
Rotary Lobe Pumps Range

RLP

Rotary Lobe Pumps Range

Our industrial and sanitary Rotary Lobe Pumps are highly reliable and efficient pumps designed for handling low to high viscosity fluids, due to their fantastic efficiency and cleaning in place characteristics these pumps are typically used for hygienic applications, some of the most common industries for rotary lobe pumps are biotechnology, chemical, food & beverage and pharmaceutical.

Thanks to their natural gentle pumping action our RLP Rotary Lobe Pump range is ideal for pumping sheer sensitive fluids or fluids with large solids particles such as full size olives, another great advantage these pumps have is their ability to run dry for long periods of time without damaging their internal components.

Some of the most common fluids our Rotary Lobe Pumps are used for are chocolate, molasses, pulp creams and greases. Our rotary lobe pumps are manufactured according to UKCA and CE standards and therefore comply with all current European quality

demands and regulations, our simplistic design along with the exceptional tight clearance within the internal moving parts is the secret for our rotary lobe pumps high efficiency as there is almost zero slip whilst in operation as a result power consumption is minimal making them consequently a great option for continuous operation, (24/7) applications.

Our rotary lobe pumps are also available with ATEX (explosion proof) motors for hazardous non-safe environments and applications, they can be supplied with a variety of seal types such as mechanical seal, cartridge seal, packing seal and lip seals.

Thanks to having various construction materials along with a range of pump sizes, different sealing options and their max. 300 m³/h flow rate range our rotary lobe pumps can be used for a wide range of applications and almost any low-high viscosity fluid specifically where a non-pulsating flow is necessary.



Applications/Fluids:

- Food & Beverage Industry
- Pharmaceutical & Chemical Industry
- Chocolate
- Molasses
- Syrup & Sugar
- Grease
- Gel
- Bitumen
- Asphalt
- Edible Oils
- Crude Oil and Fuel Oil
- Paint, Dyes, Emulsions and Coatings
- Paper & Pulp Industry
- Soap and Detergents

Design Features/Benefits:

- Available with several sealing options - cartridge seal, packing, single mechanical seal, lip seal etc.
- ATEX certified upon request
- Great sanitary qualities
- Suitable for CIP and SIP (Clean & Sterilize in-place)
- High Efficiency due to exceptional tight clearances
- Fantastic self-priming capabilities
- Capacities up to 300 m³/h
- High temperature pump - (Up to 150 °C)
- Manufactured according to UKCA and CE standards
- Max. 10 bar discharge pressure

RLP 1 & 1.5

Rotary Lobe Pumps Range

Pump Performance:

Flow rate:	7,2 m ³ /h
Pressure:	1 ~ 10 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 1000 rpm
Viscosity:	20 ~ 55,000cst

Material Options:

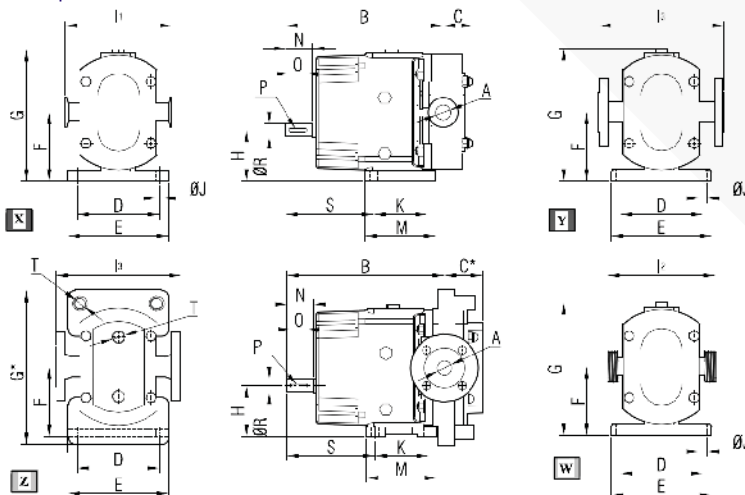
Covers:	Cast Iron
Gears:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal

Capacity and Power Table:

RLP 1 & 1.5 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3,5 Bar	7 Bar	
0,6	100	0.5Kw	0.5Kw	0.75Kw	17000cst
1,2	200	0.75Kw	0.75Kw	1.1Kw	17000cst
3	500	1.1Kw	1.5Kw	2.2Kw	3300cst
3,8	750	1.1Kw	1.5Kw	2.2Kw	500cst
4,2	750	1.1Kw	1.5Kw	2.2Kw	110cst
5	900	1.1Kw	1.5Kw	2.2Kw	32cst

Motor Powers		Motor Powers		Motor Powers	
1.1Kw	900 rpm	1.1Kw	750 rpm	1.5Kw	750 rpm
Motor Body		Motor Body		Motor Body	
90		100		112	

Pump Dimensions:



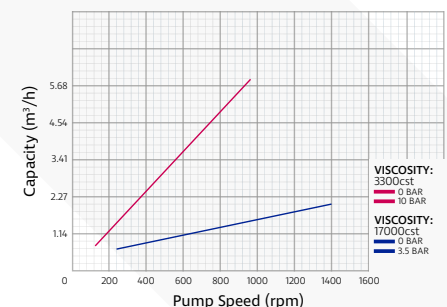
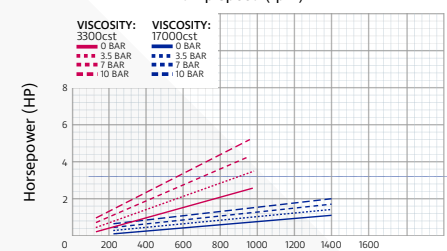
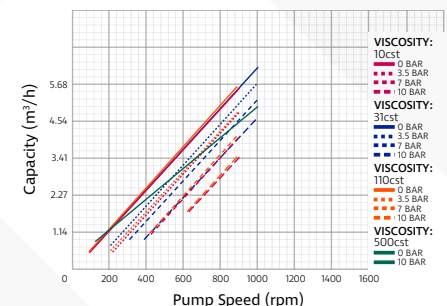
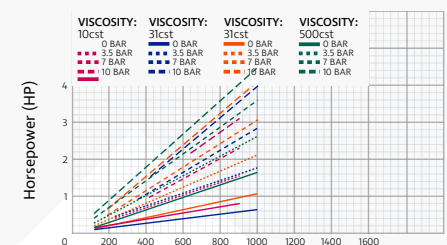
X	Pump with Sanitary Clamp Connection	W	Pump with Male Thread Connection
Y	Pump with Flange Connection	B	For Pump with Code 001
Z	Pump with Heating Jackets	B*	For Pump with Code 002

RLP 1 & 1.5 Pump Dimensions

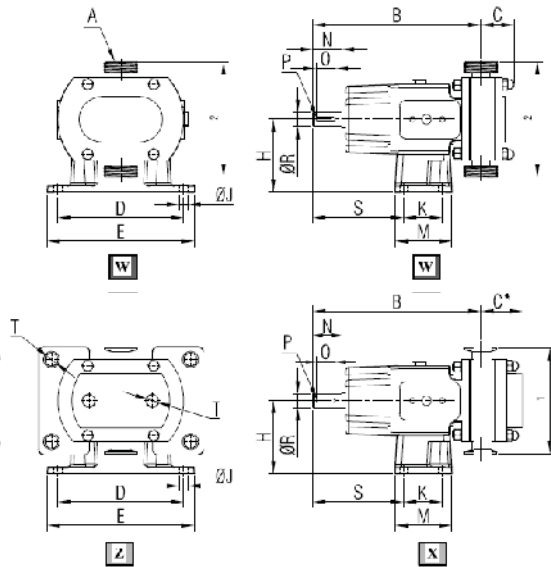
Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP2	DN25	265	290	52	66	140	170	116	222	260	86	167	182	212	14	90	120	45	30	6x6	22	149	½"	32
	DN40											223	246	220										33



Performance Curves:



Pump Dimensions:



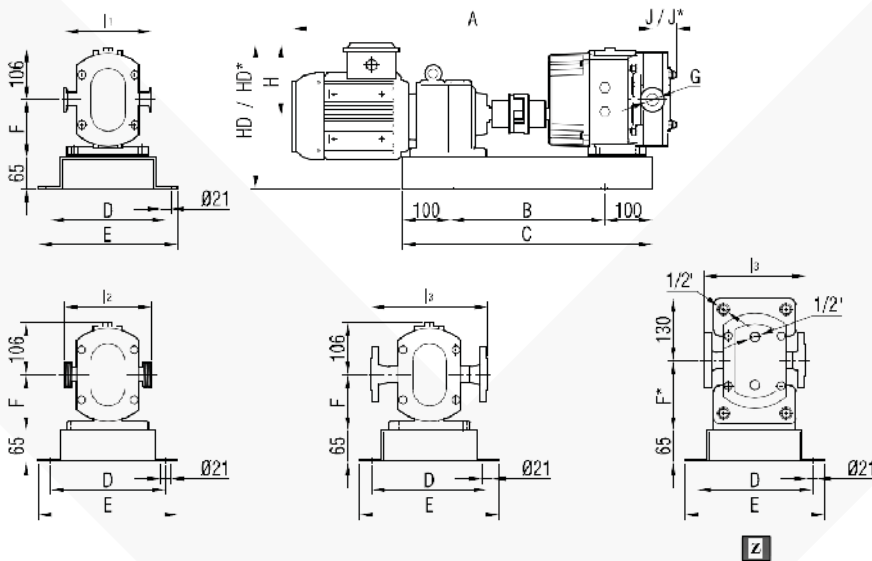
X	Pump with Sanitary Clamp Connection
Z	Pump with Heating Jackets
W	Pump with Male Thread Connection

B	For Pump with Code 001
B*	For Pump with Code 002

RLP 1 & 1.5 Pump Code

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP2 012	DN25	265	290	52	66	198	231	170	115	167	182	13	61	90	120	45	30	6x6	22	143	1/2"	31
	DN40									223	246											

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	I3	J	J*
RLP2 001	DN25	182	182	212	52	66
	DN40	223	246	220		

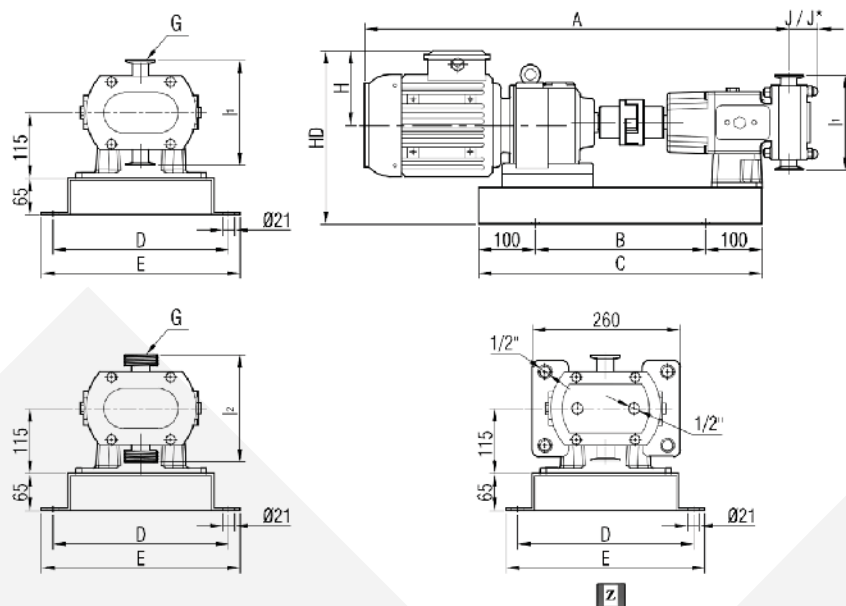
I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 1 & 1.5 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	Kg
Power	Speed (rpm)	Motor											
0.75Kw	40/240	IRAM53/80M	734	268	293	118							68
1.1Kw	61/87	IRAM53/90S	748	282	307		320	520	150	290	120	149	72
1.1Kw	200/400	IRAM42/90S	726	279	308						116	145	65
1.5Kw	40/98	IRAM63/90L	829	301	301	132	420	620	310	350	145	174	96
1.5Kw	120/480	IRAM52/90L	779	282	307		320	520	250	290	120	149	73
2.2Kw	55/98	IRAM63/C90L	829	301	301		420	620	310	350	145	174	100
2.2Kw	176/544	IRAM52/100L	809	291	316		320	520	250	290	120	149	77
3Kw	68/245	IRAM62/100L	866	310	310	141	420	620	310	350	145	174	103
3Kw	265/556	IRAM52/100L	809	291	316		320	520	250	290	120	149	80

Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



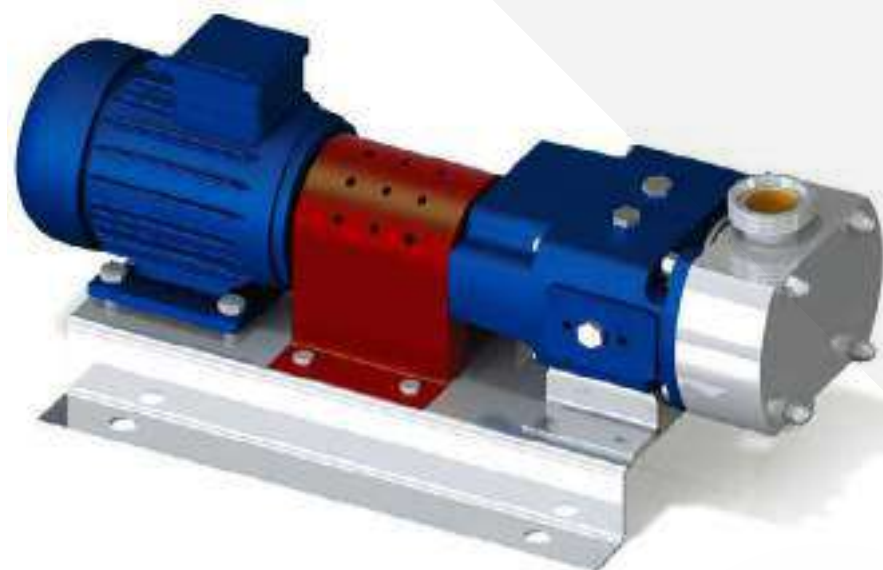
Pump Code	G	I1	I2	J	J*
RLP2	DN25	167	182	52	66
	DN40	223	246		

Add 25mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/J*	Pump with Heating Jackets

RLP 1 & 1.5 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD*	H	B	C	D	E	Kg
Power	Speed (rpm)	Motor								
0.75Kw	40/240	IRAM53/80M	734	293	118					66
1.1Kw	61/87	IRAM53/90S	748	307		300	500	310	350	71
1.1Kw	200/400	IRAM42/90S	726	308						64
1.5Kw	40/98	IRAM63/90L	829	301	132	350	550	330	370	89
1.5Kw	120/480	IRAM52/90L	779	307		300	500	310	350	72
2.2Kw	55/98	IRAM63/C90L	829	301		350	550	330	370	92
2.2Kw	176/544	IRAM52/100L	809	316		300	500	310	350	76
3Kw	68/245	IRAM62/100L	866	310	141	350	550	330	370	95
3Kw	265/556	IRAM52/100L	809	316		300	500	310	350	79



Not sure which pump is suitable for your application?

For further information about our Internal Gear Pumps range...
telephone +44 (0) 1773 302 660, email sales@northridgepumps.com
or visit www.northridgepumps.com

RLP 1 & 1.5

Rotary Lobe Pumps Range

Pump Performance:

Flow rate:	7,2 m ³ /h
Pressure:	1 ~ 10 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 1000 rpm
Viscosity:	32 ~ 55,000cst

Material Options:

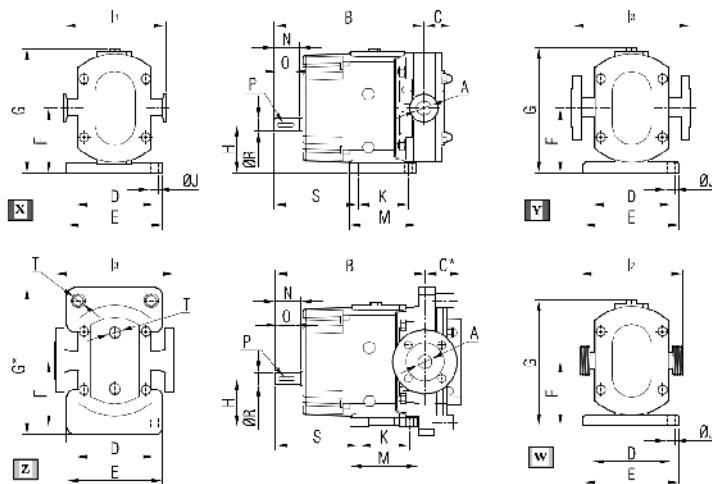
Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal

Capacity and Power Table:

RLP 1.5 & 2 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
1	100	0.5Kw	0.75Kw	0.75Kw	17000cst
2	200	1.1Kw	1.1Kw	1.5Kw	17000cst
4,8	500	1.5Kw	2.2Kw	2.9Kw	3300cst
7	750	1.5Kw	2.2Kw	2.9Kw	500cst
6,6	750	1.1Kw	2.2Kw	2.9Kw	110cst
7,8	900	1.1Kw	2.2Kw	2.9Kw	32cst

Motor Powers		Motor Powers		Motor Powers	
1.1Kw	750 rpm	1.5Kw	750 rpm	2.2Kw	750 rpm
1.1Kw	900 rpm	2.2Kw	900 rpm	2.9Kw	750 rpm
Motor Body		Motor Body		Motor Body	
100		112		132	

Pump Dimensions:



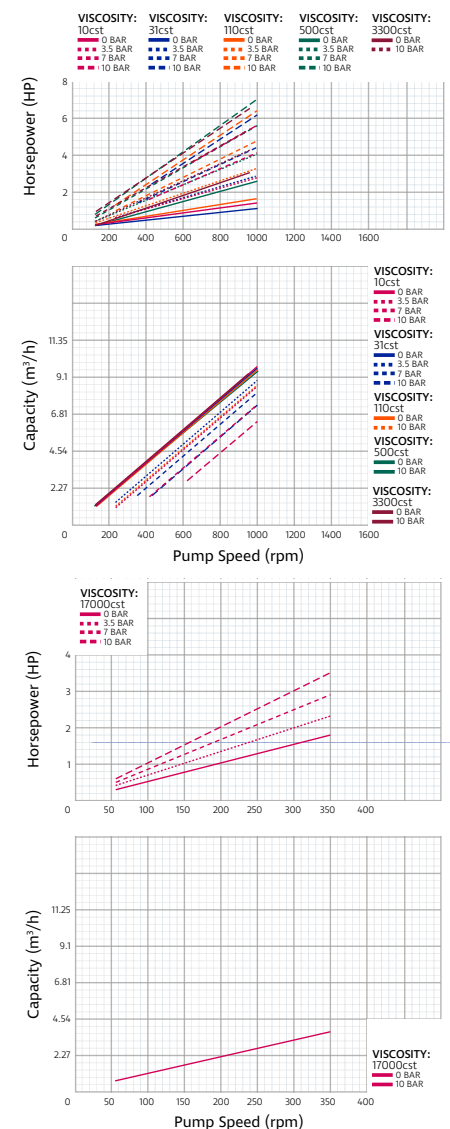
X	Pump with Sanitary Clamp Connection
Y	Pump with Flange Connection
Z	Pump with Heating Jackets

W	Pump with Male Thread Connection
B	For Pump with Code 001
B*	For Pump with Code 002

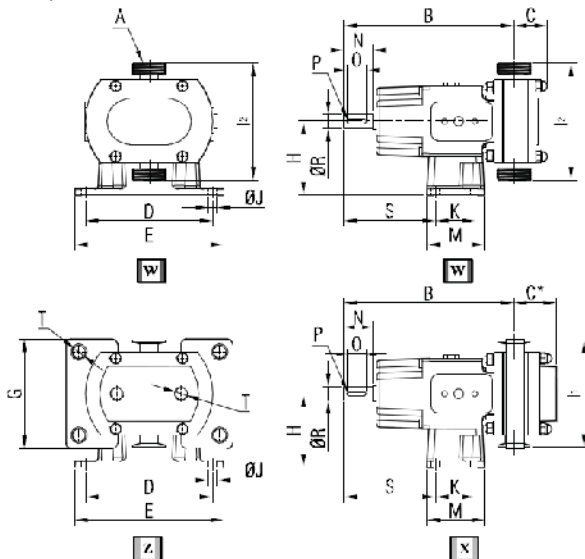
RLP 1.5 & 2 Pump Dimensions																								
Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 1.5-2	DN40	270	295	57	71	140	170	116	222	260	86	167	190	250	14	90	120	45	30	6x6	22	149	½"	34
	DN50											222	249	269										35



Performance Curves:



Pump Dimensions:

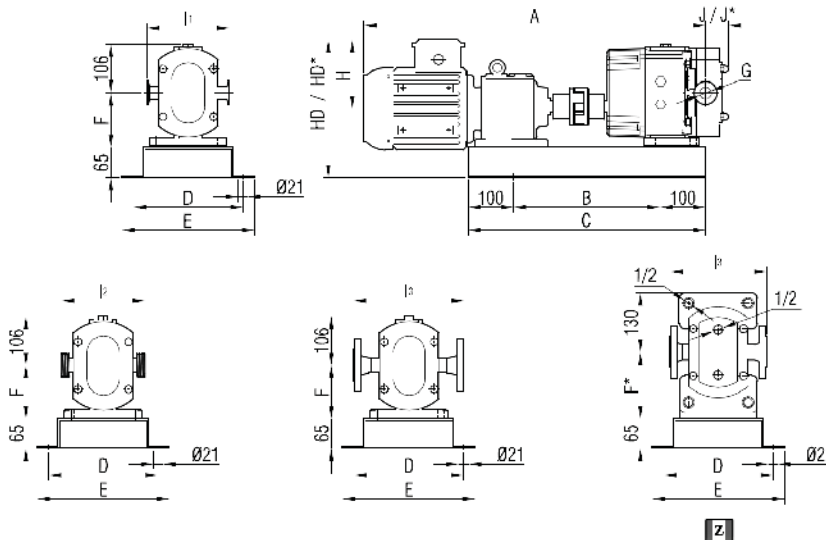


X	Pump with Sanitary Clamp Connection	B	For Pump with Code 001
Z	Pump with Heating Jackets	B*	For Pump with Code 002
W	Pump with Male Thread Connection		

RLP 1.5 & 2 Pump Code

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 1.5-2	DN40	270	295	57	71	198	231	170	115	167	190	13	61	90	45	30	6x6	22	143	1/2"	32
	DN50									222	249										

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	I3	J	J*
RLP 1.5-2	DN40	167	190	250	57	71
	DN50	222	249	269		

Add 25mm to A dimension for 002 type pump

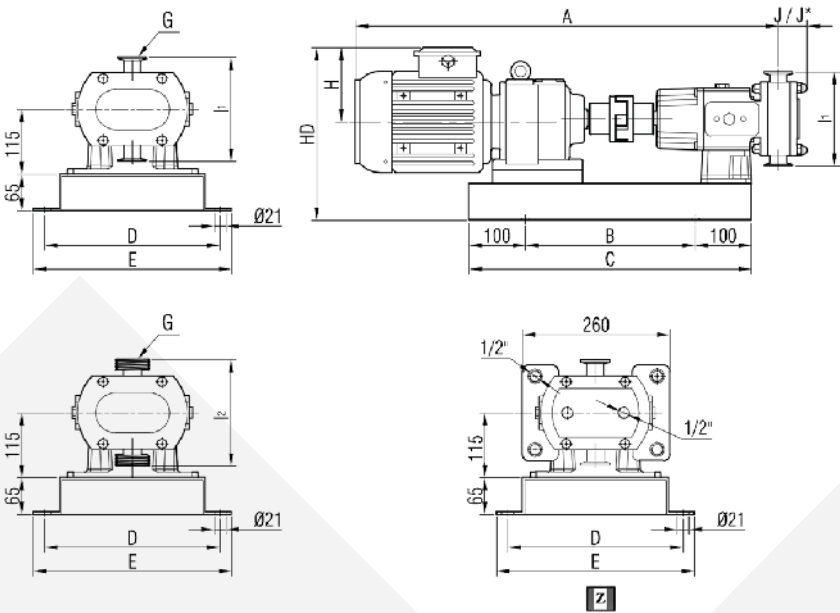
I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 1.5 & 2 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	Kg
Power	Speed (rpm)	Motor											
0.75Kw	40/240	IRAM53/80M	739	268	293	118							74
1.1Kw	61/87	IRAM53/90S	752	282	307		320	520	250	290	120	149	75
1.1Kw	200/400	IRAM42/90S	731	279	308						116	145	67
1.5Kw	40/98	IRAM63/90L	834	301	301	132	420	620	310	350	145	174	98
1.5Kw	120/480	IRAM52/90L	784	282	307		320	520	250	290	120	149	76
2.2Kw	55/98	IRAM63/C90L	834	301	301		420	620	310	350	145	174	102
2.2Kw	176/544	IRAM52/100L	814	291	316		320	520	250	290	120	149	79
3Kw	68/245	IRAM62/100L	871	310	310	141	420	620	310	350	145	174	165
3Kw	265/556	IRAM52/100L	814	291	316		320	520	250	290	120	149	83

Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	J	J*
RLP 1.5 & 2	DN40	167	190	57	71
	DN50	222	249		

Add 25mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/J*	Pump with Heating Jackets

RLP 1.5 & 2 Coupling Gearbox Drive Dimensions										
Motor Power & Speed			A	HD*	H	B	C	D	E	Kg
Power	Speed (rpm)	Motor								
0.75Kw	40/240	IRAM53/80M	739	293	118	300	500	310	350	68
1.1Kw	61/87	IRAM53/90S	752	307	132					72
1.1Kw	200/400	IRAM42/90S	731	308						65
1.5Kw	40/98	IRAM63/90L	924	301	141	350	550	330	370	91
1.5Kw	120/480	IRAM52/90L	784	307		300	500	310	350	73
2.2Kw	55/98	IRAM63/C90L	834	301		350	550	330	370	93
2.2Kw	176/544	IRAM52/100L	814	316	141	300	500	310	350	77
3Kw	68/245	IRAM62/100L	871	310		350	550	330	370	96
3Kw	265/556	IRAM52/100L	814	316		300	500	310	350	80

Not sure which pump is suitable for your application?
Talk to a member our technical team on +44 (0) 1773 302 660



RLP 1.5 & 2

Rotary Lobe Pumps Range



Pump Performance:

Flow rate:	10,3 m ³ /h
Pressure:	1 ~ 8 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 750 rpm
Viscosity:	32 ~ 55,000cst

Material Options:

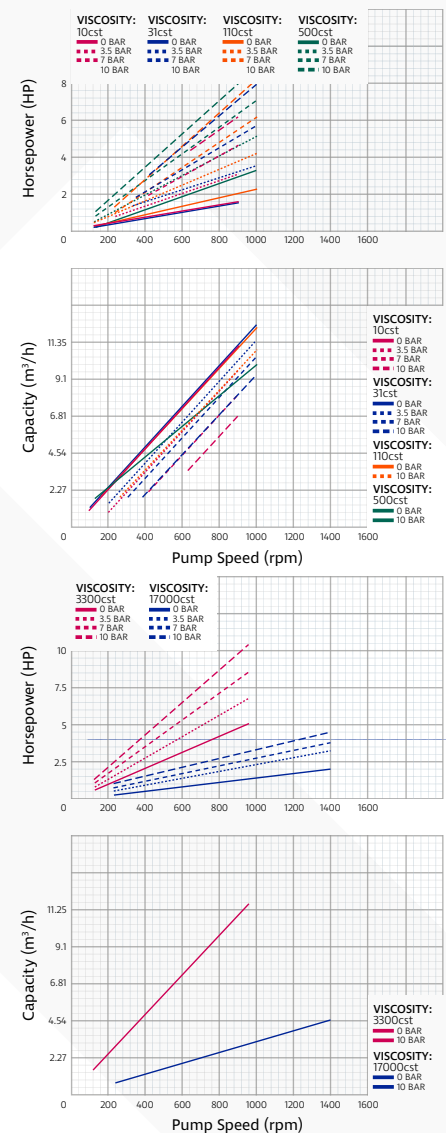
Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal

Capacity and Power Table:

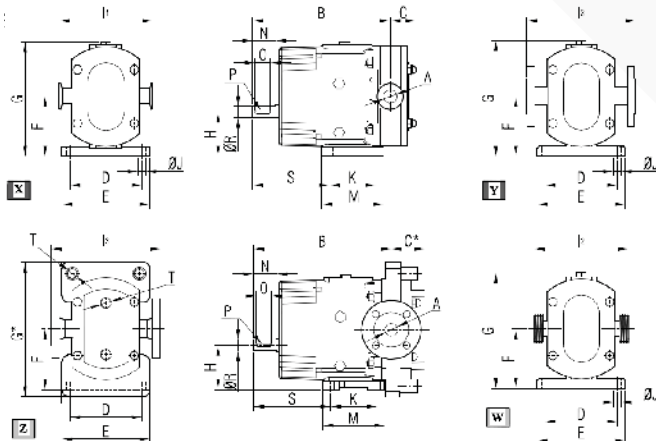
RLP 1.5 & 2 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
1,25	100	0.5Kw	0.5Kw	0.75Kw	17000cst
2,5	200	1.1Kw	1.5Kw	2.2Kw	17000cst
6	500	2.2Kw	2.9Kw	4.1Kw	3300cst
7,5	750	2.2Kw	2.9Kw	4.1Kw	500cst
8,4	750	1.5Kw	2.9Kw	4.1Kw	110cst
10	900	1.5Kw	2.9Kw	4.1Kw	32cst

Motor Powers		Motor Powers		Motor Powers		Motor Powers	
1.5Kw	900 rpm	1.5Kw	750 rpm	2.2Kw	750 rpm	4.1Kw	750 rpm
Motor Body		Motor Body		Motor Body		Motor Body	
100		112		132		160	

Performance Curves:



Pump Dimensions:

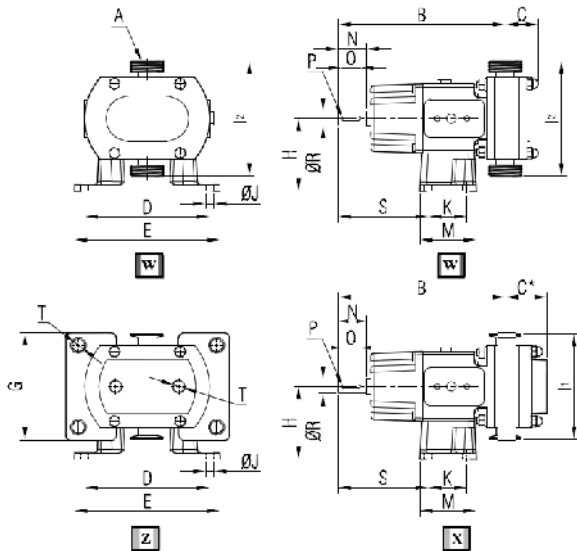


X	Pump with Sanitary Clamp Connection	W	Pump with Male Thread Connection
Y	Pump with Flange Connection	B	For Pump with Code 001
Z	Pump with Heating Jackets	B*	For Pump with Code 002

RLP 1.5 & 2 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 1.5-2	DN40	275	300	62	76	140	170	116	222	260	86	167	190	268	14	90	120	45	30	6x6	22	149	½"	36
	DN50												194	280										37

Pump Dimensions:



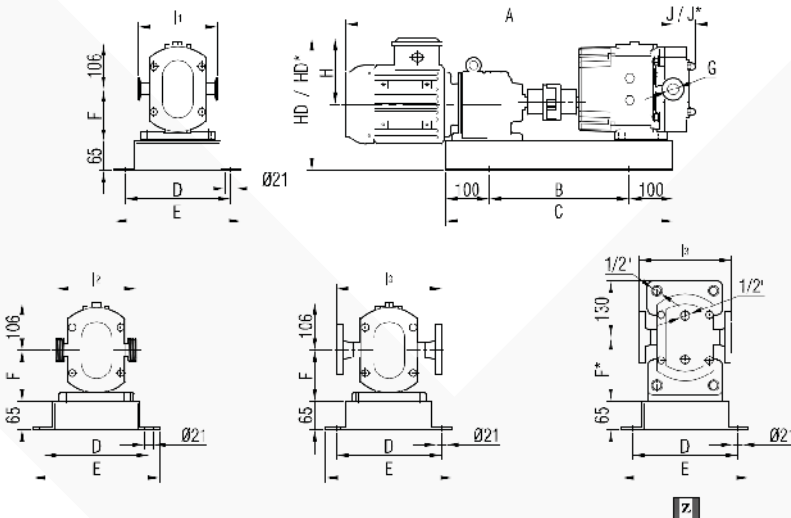
X	Pump with Sanitary Clamp Connection
Z	Pump with Heating Jackets
W	Pump with Male Thread Connection

B	For Pump with Code 001
B*	For Pump with Code 002

RLP 1.5& 2 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 1.5-2	DN40	275	300	62	76	198	231	170	115	167	190	13	61	90	45	30	6x6	22	143	1/2"	34
	DN50										194										

Coupling Dimensions - Gearbox Drive:



Add 25mm to A dimension for 002 type pump

Pump Code	G	I1	I2	I3	J	J*
RLP 1.5-2	DN40	167	190	268	62	76
	DN50	167	194	280		

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

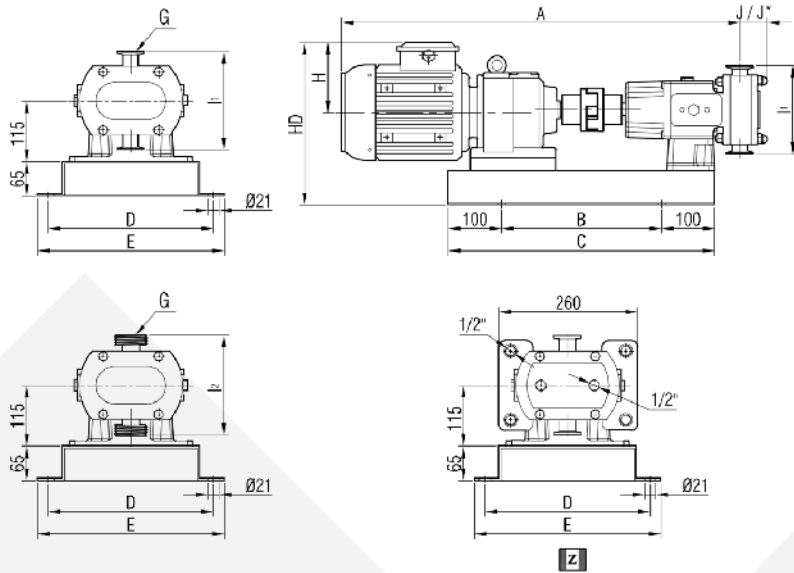
RLP 1.5 & 2 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	Kg
Power	Speed (rpm)	Motor											
0.75Kw	40/240	IRAM53/80M	744	268	293	118							72
1.1Kw	61/87	IRAM53/90S	758	282	307		320	520	250	290	120	149	77
1.1Kw	200/400	IRAM42/90S	736	279	308						116	145	69
1.5Kw	40/98	IRAM63/90L	839	301	301	132	420	620	310	350	145	174	100
1.5Kw	120/480	IRAM52/90L	789	282	307		320	520	250	290	120	149	78
2.2Kw	55/98	IRAM63/C90L	839	301	301		420	620	310	350	145	174	104
2.2Kw	176/544	IRAM52/100L	819	291	316		320	520	250	290	120	149	82
3Kw	68/245	IRAM62/100L	876	310	310	141	420	620	310	350	145	174	107
3Kw	265/556	IRAM52/100L	819	291	316		320	520	250	290	120	149	85



Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	J	J*
RLP 1.5 & 2	DN40	167	190	62	76
	DN50	167	194		

Add 25mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/J*	Pump with Heating Jackets

RLP 1.5 & 2 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD*	H	B	C	D	E	Kg
Power	Speed (rpm)	Motor								
0.75Kw	40/240	IRAM53/80M	744	293	118	300	500	310	350	69
1.1Kw	61/87	IRAM53/90S	758	307						74
1.1Kw	200/400	IRAM42/90S	736	308						66
1.5Kw	40/98	IRAM63/90L	839	301	132	350	550	330	370	92
1.5Kw	120/480	IRAM52/90L	789	307		300	500	310	350	75
2.2Kw	55/98	IRAM63/C90L	839	301		350	550	330	370	94
2.2Kw	176/544	IRAM52/100L	819	316	141	300	500	310	350	79
3Kw	68/245	IRAM62/100L	876	310		350	550	330	370	97
3Kw	265/556	IRAM52/100L	819	316		300	500	310	350	82

Want to know more technical information?

Talk to a member our technical team on +44 (0) 1773 302 660 to discuss any technical enquiries you may have.



RLP 3

Rotary Lobe Pumps Range

Pump Performance:

Flow rate:	10,5 m ³ /h
Pressure:	1 ~ 8 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 500 rpm
Viscosity:	32 ~ 55,000cst

Material Options:

Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal

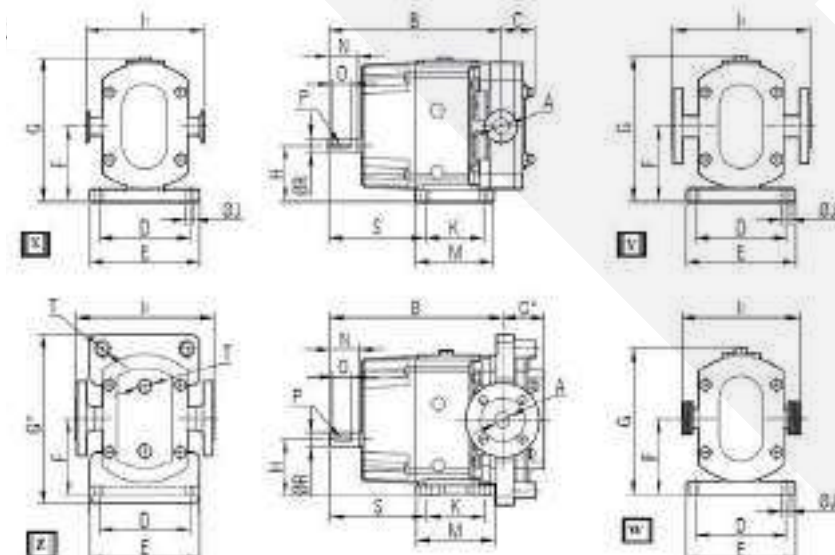


Capacity and Power Table:

RLP 3 Capacity and Power Table

Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
2	100	1.1Kw	1.5Kw	2.2Kw	17000cst
4	200	1.5Kw	2.9Kw	4.1Kw	17000cst
6	300	1.5Kw	2.9Kw	4.1Kw	3300cst
8	400	1.5Kw	2.9Kw	4.1Kw	500cst
10	500	1.5Kw	2.9Kw	4.1Kw	110cst
11	550	1.5Kw	2.9Kw	4.1Kw	32cst

Pump Dimensions:



X	Pump with Sanitary Clamp Connection
Y	Pump with Flange Connection
Z	Pump with Heating Jackets

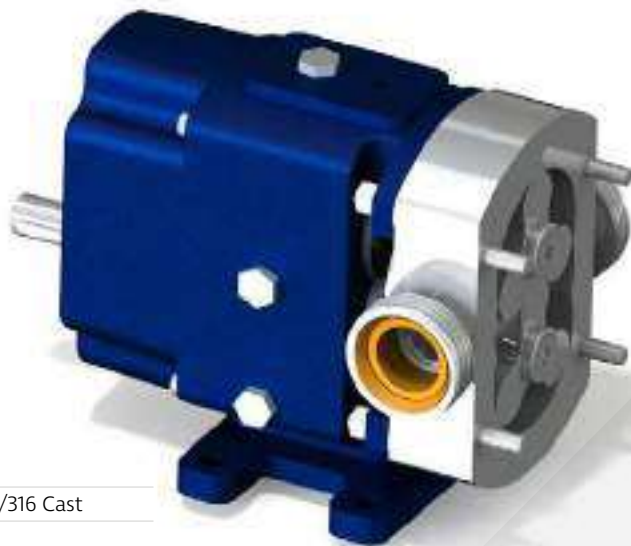
W	Pump with Male Thread Connection
B	For Pump with Code 001
B*	For Pump with Code 002

RLP 3 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 3	DN40	324	-	62	79	155	190	140	270	305	101	197	220	300	14	100	135	55	32	8x7	27	174	½"	45
	DN50											197	224	300										46
	DN50											272	296	300										47

RLP 3

Rotary Lobe Pumps Range



Pump Performance:

Flow rate:	15 m ³ /h
Pressure:	1 ~ 8 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 500 rpm
Viscosity:	32 ~ 55,000cst

Material Options:

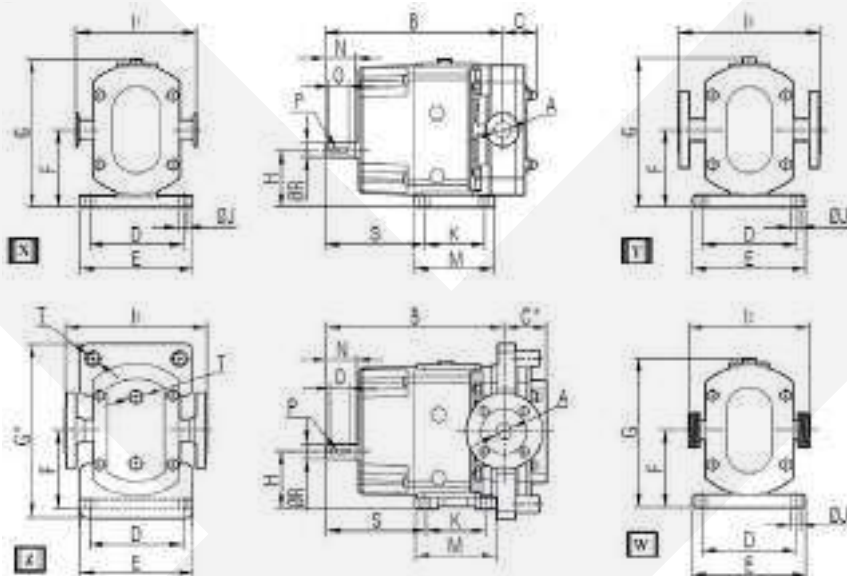
Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings	Bearing
Sealing:	Mechanical Seal, Lip Seal

Capacity and Power Table:

RLP 3 Capacity and Power Table

Capacity (m³/h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
2,8	100	1.5Kw	2.2Kw	2.9Kw	17000cst
5,7	200	2.2Kw	4.1Kw	5.5Kw	17000cst
8,4	300	12.2Kw	4.1Kw	5.5Kw	3300cst
11,4	400	2.2Kw	4.1Kw	5.5Kw	500cst
14	500	2.2Kw	4.1Kw	5.5Kw	110cst
15.4	550	2.2Kw	4.1Kw	5.5Kw	32cst

Pump Dimensions:



X	Pump with Sanitary Clamp Connection	W	Pump with Male Thread Connection
Y	Pump with Flange Connection	B	For Pump with Code 001
Z	Pump with Heating Jackets	B*	For Pump with Code 002

RLP 3 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 3	DN40	333	-	71	88	155	190	140	270	305	101	197	220	300	14	100	135	55	32	8x7	27	174	½"	48
	DN50											197	224	300										50
	DN50											272	296	300										51

RLP 4

Rotary Lobe Pumps Range

Pump Performance:

Flow rate:	18 m ³ /h
Pressure:	1 ~ 8 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 750 rpm
Viscosity:	32 ~ 55,000cst

Material Options:

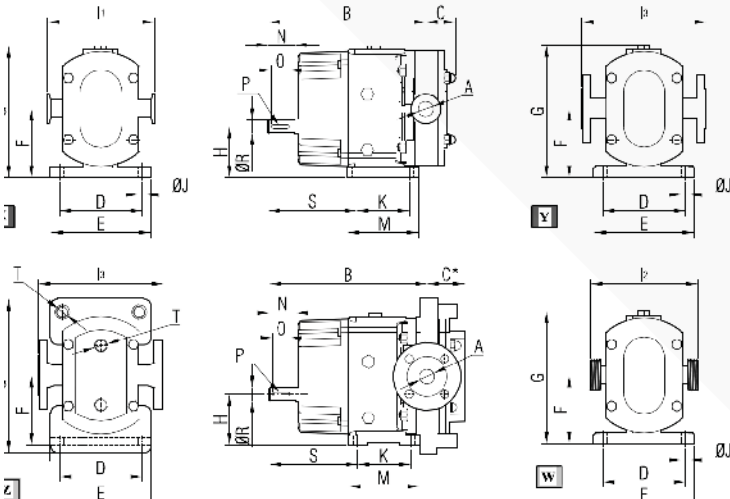
Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal



Capacity and Power Table:

RLP 4 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
3,6	100	1.5Kw	2.2Kw	2.9Kw	17000cst
7,2	200	2.2Kw	4.1Kw	5.5Kw	17000cst
11	300	2.2Kw	4.1Kw	5.5Kw	3300cst
14,5	400	2.2Kw	4.1Kw	5.5Kw	500cst
18,3	500	2.2Kw	4.1Kw	5.5Kw	110cst
19,3	550	2.2Kw	4.1Kw	5.5Kw	32cst

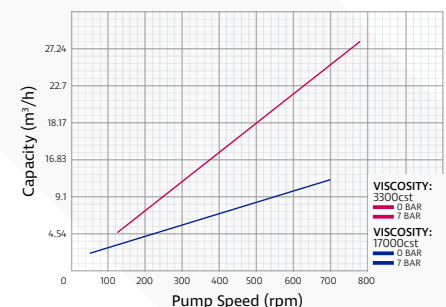
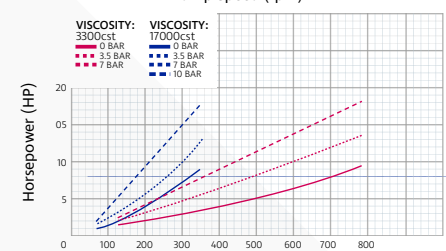
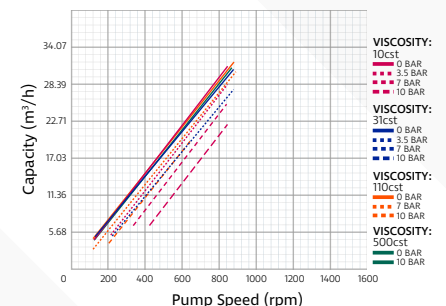
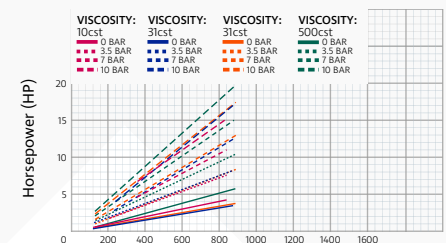
Pump Dimensions:



X	Pump with Sanitary Clamp Connection
Y	Pump with Flange Connection
Z	Pump with Heating Jackets

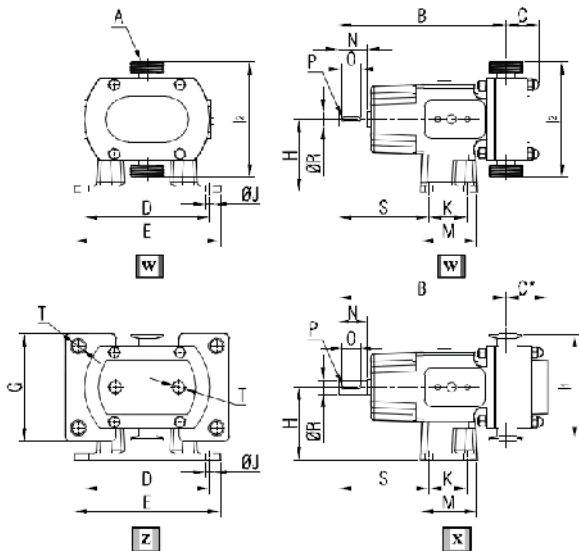
W	Pump with Male Thread Connection
B	For Pump with Code 001
B*	For Pump with Code 002

Performance Curves:



RLP 4 Pump Dimensions																								
Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 4	DN50	374	389	63	74	140	180	152	295	336	104	218	245	294	14	140	180	47	40	10x8	38	180	½"	74
	DN65											293	300	300										75

Pump Dimensions:



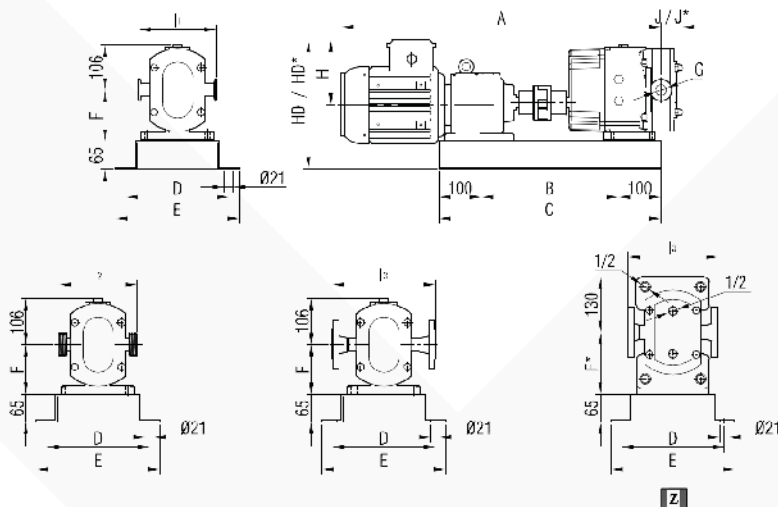
X	Pump with Sanitary Clamp Connection
Z	Pump with Heating Jackets
W	Pump with Male Thread Connection

B	For Pump with Code 001
B*	For Pump with Code 002

RLP 4 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 4	DN50	374	389	63	74	248	280	231	157	218	245	13	123	153	47	40	10x8	38	158	1/2"	72
	DN65									293	300										

Coupling Dimensions - Gearbox Drive:



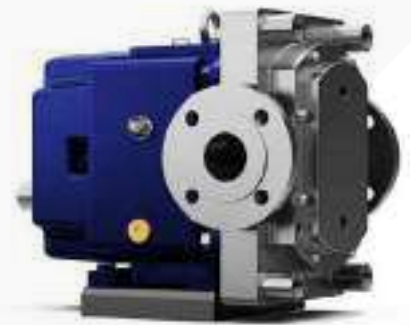
Pump Code	G	I1	I2	I3	J	J*
RLP 4	DN50	218	245	294	63	74
	DN65	293	300	300		

Add 15mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

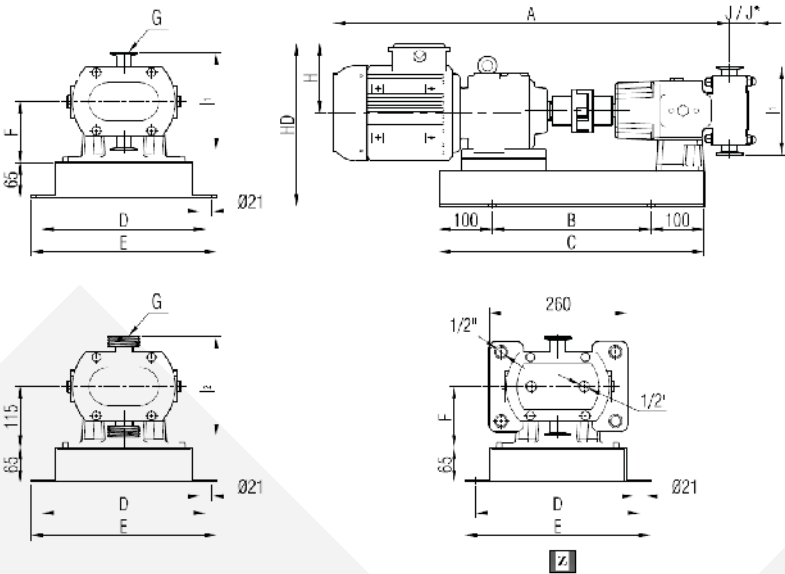
Motor Power & Speed

Power	Speed (rpm)	Motor	A	HD	HD*	H	B	C	D	E	F	F*	Kg
3Kw	77/98	IRAM63/100L	984	310	335	141	500	700	310	350	163	188	147
3Kw	45/95	IRAM73/100L	1032	330	330		550	750			213		163
4Kw	55/95	IRAM73/112M	1051	338	338	149	550	750			188	213	170
4Kw	104/500	IRAM62/112M	1010	318	343	149	500	700			163	188	149
5.5Kw	75/230	IRAM73/132S	1098	371	371	182	550	750			188	213	183
5.5Kw	216/480	IRAM62/132S	1010	318	343	149	500	700			163	188	164
5.5Kw	43/91	IRAM83/132S	1213	403	403		700	900	380	420	228	253	231
7.5Kw	130/400	IRAM72/132M	1143	314	314	182	550	750	310	350	188	213	192
11Kw	230/460	IRAM72/C132M											194
11Kw	106/230	IRAM82/160M	1329	446	446	225	700	900	380	420	228	253	306



Rotary Lobe Pumps

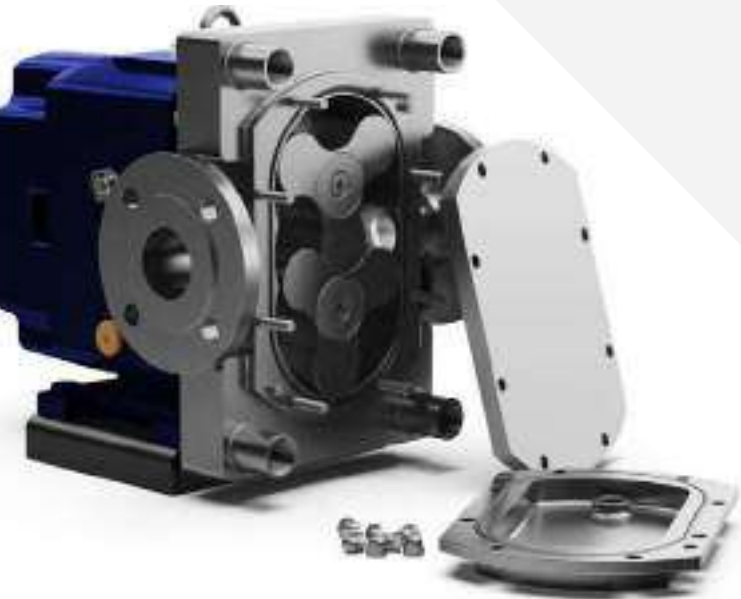
Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	J	J*
RLP 4	DN50	218	245	63	74
	DN65	293	300		

Add 15mm to A dimension for 002 type pump	
I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/J*	Pump with Heating Jackets

RLP 4 Coupling Gearbox Drive Dimensions												
Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	Kg
Power	Speed (rpm)	Motor										
3Kw	77/98	IRAM63/100L	984	352	335	141	430	630				147
3Kw	45/95	IRAM73/100L	1032	347	330		500	700				161
4Kw	55/95	IRAM73/112M	1051	355	338	149						168
4Kw	104/500	IRAM62/112M	1010	360	343	149	430	630	390	430	157	149
5.5Kw	75/230	IRAM73/132S	1098	420	371	182	500	700				181
5.5Kw	216/480	IRAM62/132S	1010	360	343	149	430	630				164
5.5Kw	43/91	IRAM83/132S	1213	404	403		610	810	420	460	180	223
7.5Kw	130/400	IRAM72/132M	1143	420	314	182	500	7500	390	430	157	190
11Kw	230/460	IRAM72/C132M										192
11Kw	106/230	IRAM82/160M	1329	447	446	225	610	810	420	460	180	298



Do you have any questions about which fluids and industries are suitable for your applications?
Talk to a member our technical team on +44 (0) 1773 302 660



RLP 4

Rotary Lobe Pumps Range

Pump Performance:

Flow rate:	27 m ³ /h
Pressure:	1 ~ 7 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 750 rpm
Viscosity:	32 ~ 55,000cst

Material Options:

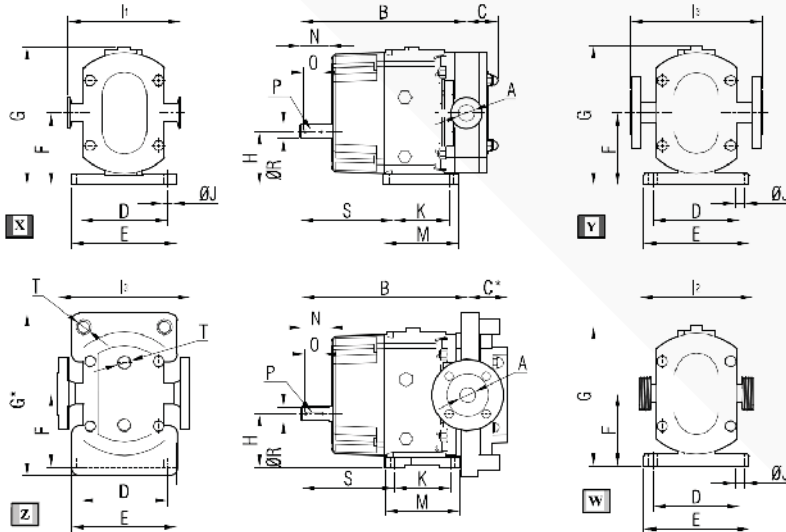
Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal



Capacity and Power Table:

RLP 4 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
5,2	100	2.2Kw	2.9Kw	4.1Kw	17000cst
10,4	200	2.9Kw	5.5Kw	7.5Kw	17000cst
16	300	2.9Kw	5.5Kw	7.5Kw	3300cst
20,9	400	2.9Kw	5.5Kw	7.5Kw	500cst
26,5	500	2.9Kw	5.5Kw	11Kw	110cst
27,9	550	2.9Kw	5.5Kw	11Kw	32cst

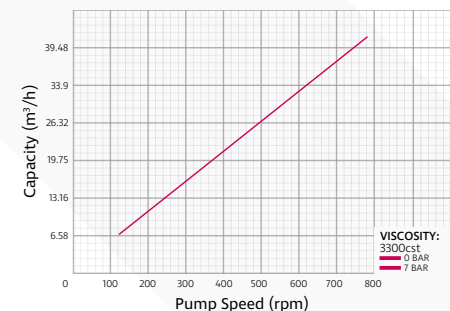
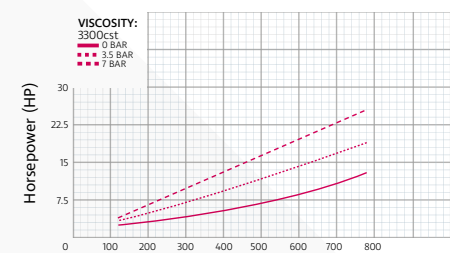
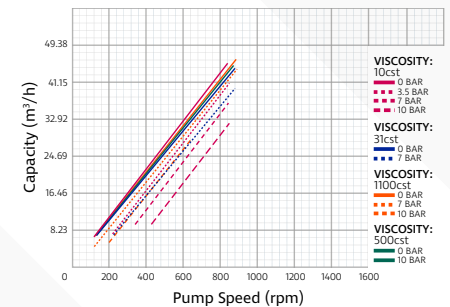
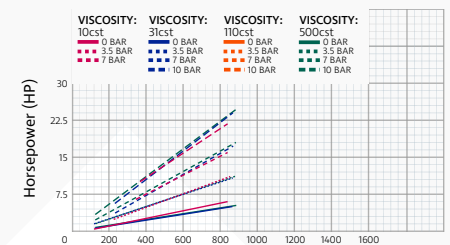
Pump Dimensions:



X	Pump with Sanitary Clamp Connection
Y	Pump with Flange Connection
Z	Pump with Heating Jackets

W	Pump with Male Thread Connection
B	For Pump with Code 001
B*	For Pump with Code 002

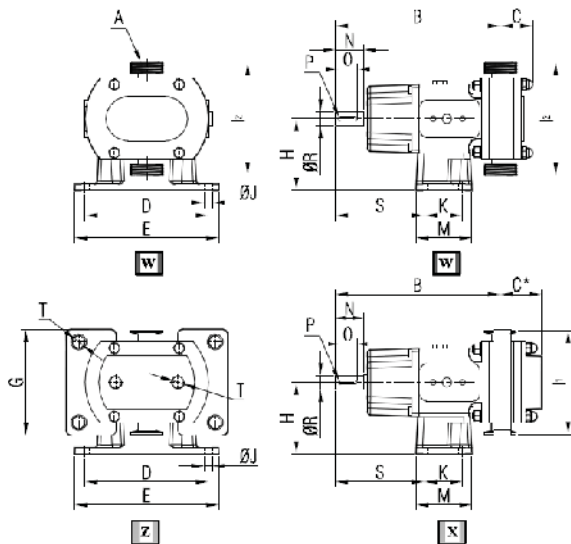
Performance Curves:



RLP 4 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 4	DN65	387	402	70	81	180	220	152	295	336	104	231	255	330	14	140	180	47	40	10x8	38	180	½"	80
	DN80											261	330											82

Pump Dimensions:



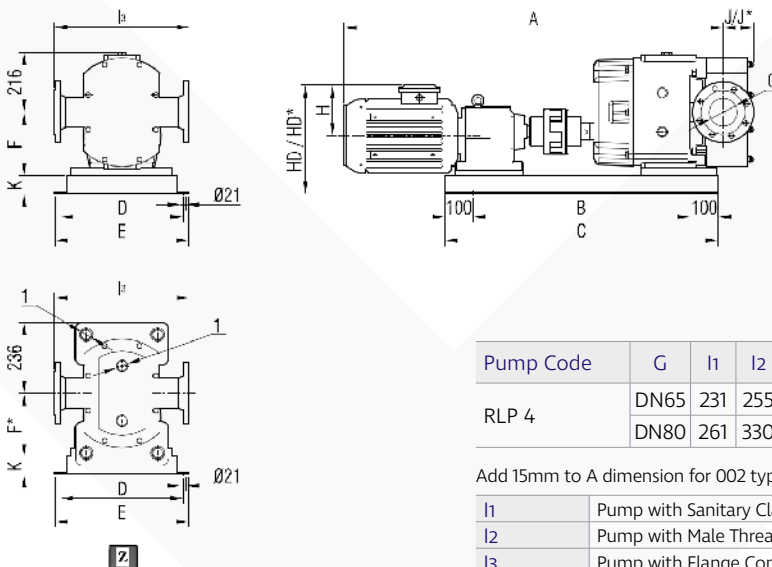
X	Pump with Sanitary Clamp Connection
Z	Pump with Heating Jackets
W	Pump with Male Thread Connection

B	For Pump with Code 001
B*	For Pump with Code 002

RLP 4 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 4	DN65	387	402	70	81	248	280	231	157	231	255	13	123	153	47	40	10x8	38	158	½"	76
	DN80									261	330										77

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	I3	J	J*
RLP 4	DN65	231	255	330	70	81
	DN80	261	330	330		

Add 15mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

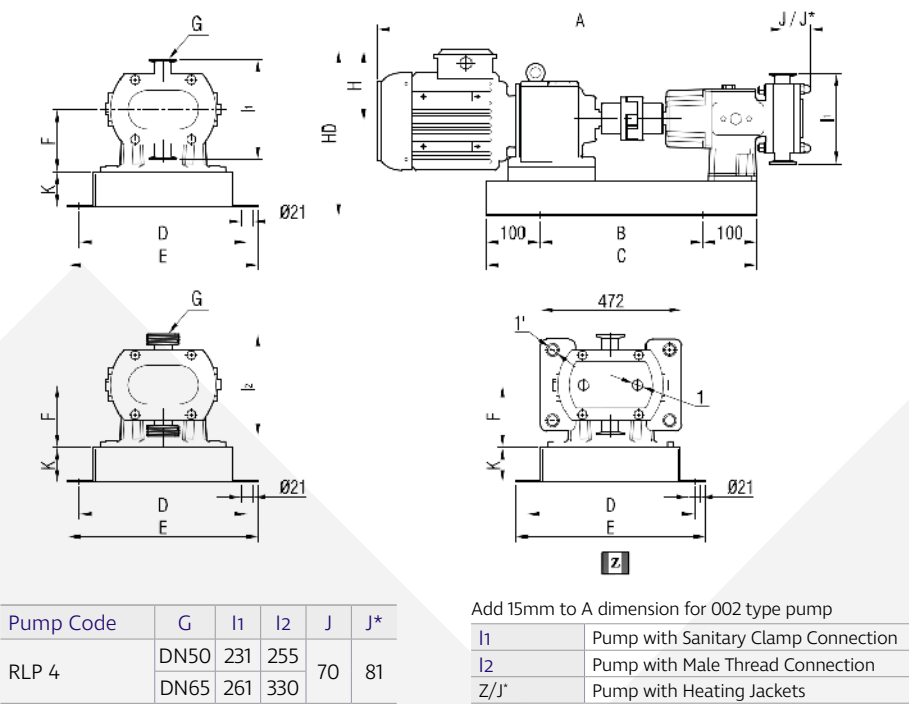
RLP 4 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	Kg
Power	Speed (rpm)	Motor											
3Kw	77/98	IRAM63/100L	997	310	335	141	500	700			163	188	154
3Kw	45/95	IRAM73/100L	1045	330	330		550	750			188	213	170
4Kw	55/95	IRAM73/112M	1064	338	338	149	500	700	310	350	163	188	156
4Kw	104/500	IRAM62/112M	1023	318	343	149	500	700			188	213	190
5.5Kw	75/230	IRAM73/132S	1111	371	371	182	550	750			163	188	171
5.5Kw	216/480	IRAM62/132S	1023	318	343	149	500	700			228	253	238
5.5Kw	43/91	IRAM83/132S	1226	403	403		700	900	380	420	188	213	199
7.5Kw	130/400	IRAM72/132M	1156	314	314	182	550	750	310	350	201		201
11Kw	230/460	IRAM72/C132M											
11Kw	106/230	IRAM82/160M	1342	446	446	225	700	900	380	420	228	253	313



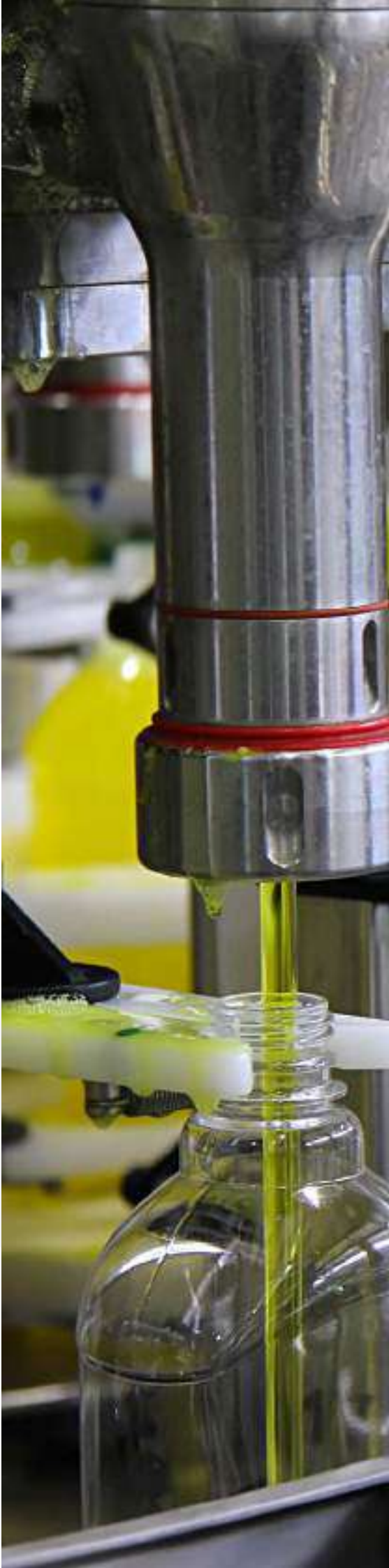
Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



RLP 4 Coupling Gearbox Drive Dimensions											
Motor Power & Speed			A	HD	H	B	C	D	E	F	Kg
Power	Speed (rpm)	Motor									
3Kw	77/98	IRAM63/100L	997	352	141	430	630	390	430	157	152
3Kw	45/95	IRAM73/100L	1045	347		500	700				166
4Kw	55/95	IRAM73/112M	1064	355	149	430	630				173
4Kw	104/500	IRAM62/112M	1023	360	149	430	630				154
5.5Kw	75/250	IRAM73/132S	1111	420	182	500	700	390	430	157	186
5.5Kw	216/480	IRAM62/132S	1023	360	149	430	630				169
5.5Kw	43/91	IRAM83/132S	1226	404	182	610	810	420	460	180	228
7.5Kw	130/400	IRAM72/132M	1156	420		500	7500	390	430	157	195
7.5Kw	230/460	IRAM72/C132M				500	7500				197
11Kw	106/230	IRAM82/160M	1342	447	225	610	810	420	460	180	203

Not sure which pump is suitable for your application?
Talk to a member our technical team on +44 (0) 1773 302 660



RLP 5

Rotary Lobe Pumps Range



Pump Performance:

Flow rate:	39 m ³ /h
Pressure:	1 ~ 8 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 500 rpm
Viscosity:	32 ~ 55,000cst

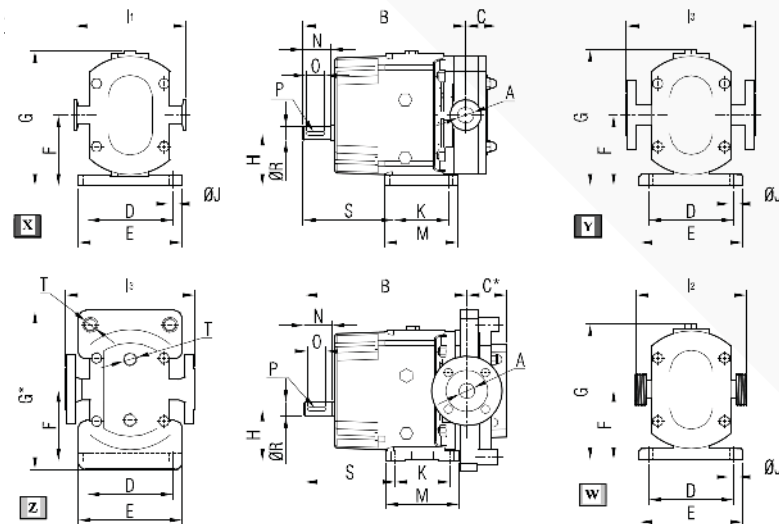
Material Options:

Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal

Capacity and Power Table:

RLP 5 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
2,3	30	1.1Kw	1.5Kw	1.5Kw	55,000cst
4,6	60	2.2Kw	2.2Kw	2.9Kw	55,000cst
7,7	100	2.2Kw	2.9Kw	4.1Kw	17000cst
11,6	150	2.9Kw	4.1Kw	5.5Kw	17000cst
19,3	250	2.9Kw	5.5Kw	7.5Kw	3300cst
23,3	300	2.9Kw	5.5Kw	7.5Kw	500cst
25	350	2.9Kw	5.5Kw	7.5Kw	110cst
29	400	2.9Kw	7.5Kw	11Kw	32cst

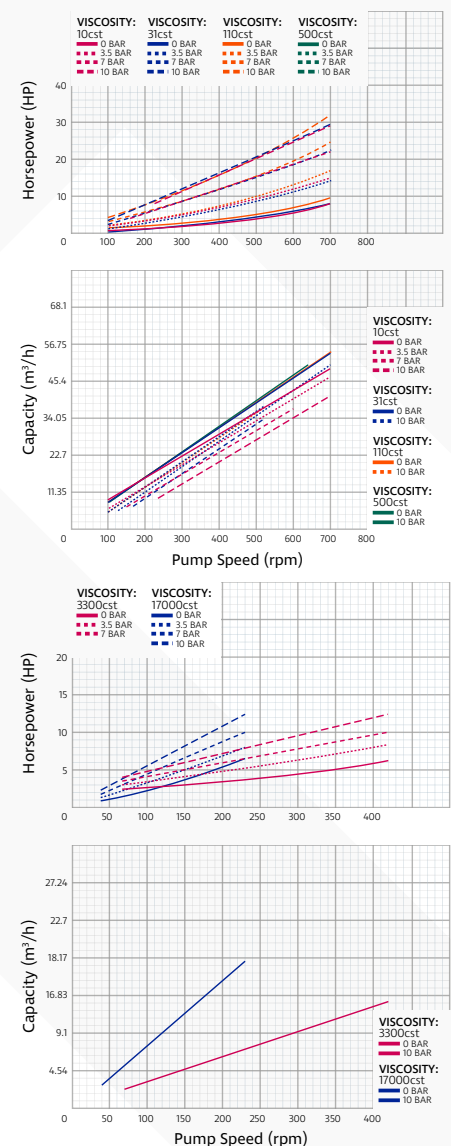
Pump Dimensions:



X	Pump with Sanitary Clamp Connection
Y	Pump with Flange Connection
Z	Pump with Heating Jackets

W	Pump with Male Thread Connection
B	For Pump with Code 001
B*	For Pump with Code 002

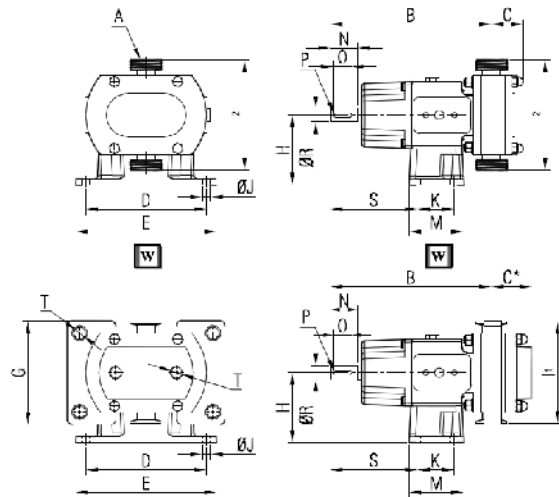
Performance Curves:



RLP 5 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 5	DN65 DN80	451	476	83	107	216	260	187	364	392	127	368	292 302	350	17	172	216	72	56	14x9	45	244	½"	134 135

Pump Dimensions:



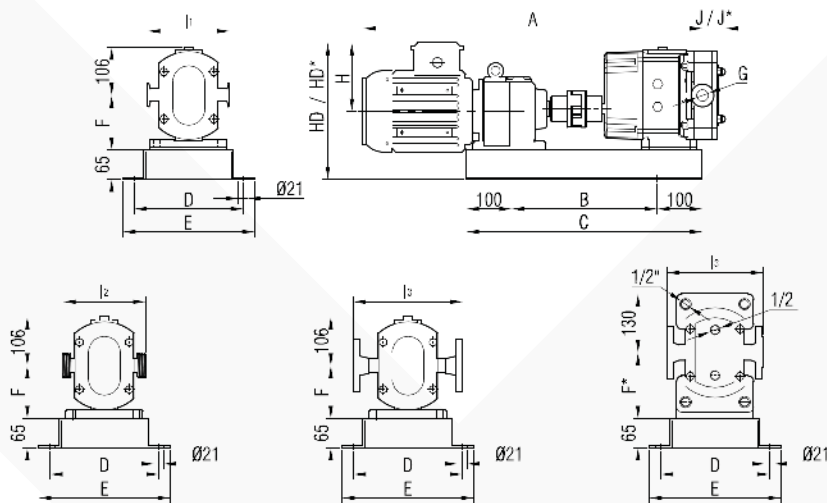
X	Pump with Sanitary Clamp Connection
Z	Pump with Heating Jackets
W	Pump with Male Thread Connection

B	For Pump with Code 001
B*	For Pump with Code 002

RLP 5 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 5	DN65	451	476	83	107	278	310	274	180	268	292	13	139	171	72	56	14x9	45	210	1/2"	128
	DN80										302										129

Coupling Dimensions - Gearbox Drive:



Add 25mm to A dimension for Z02 type pump

Pump Code	G	I1	I2	I3	J	J*
RLP 5	DN65	268	292	350	83	107
	DN80	268	302	350		

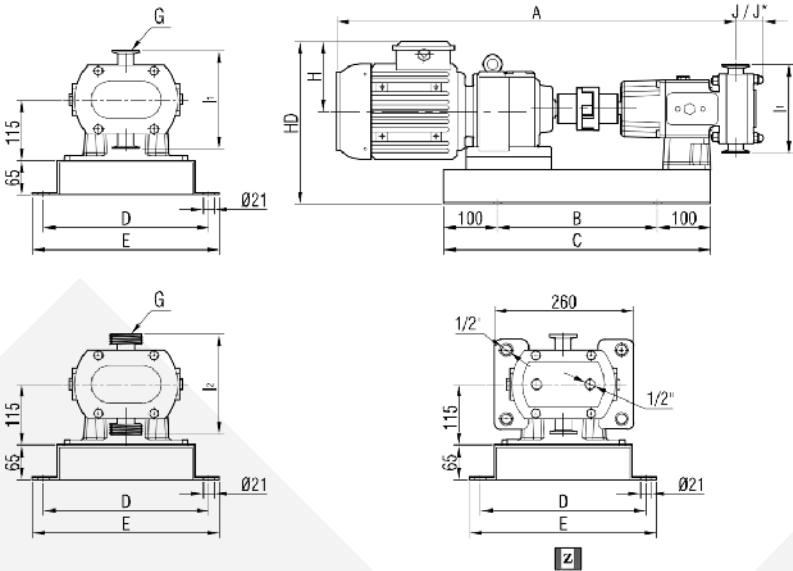
I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 5 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	Kg
Power	Speed (rpm)	Motor											
4Kw	55/95	IRAM72/112M	1125	338	378	149	650	850	340	380	200		230
4Kw	104/480	IRAM62/112M	1082	330	383		580	780			187		213
5.5Kw	43/91	IRAM83/132S	1265	403	403		750	950	420	460	240		291
5.5Kw	104/465	IRAM72/132S	1170			182	650	850	340	380	200		241
7.5Kw	130/465	IRAM72/132M	1216	371	411								252
11Kw	200/465	IRAM72/C132M											254
15Kw	131/456	IRAM82/160L	1413	456	456	225	750	950			240	240	398
15Kw	68/139	IRAM92/160L	1480	494	494		850	1050	420	460	285	285	427
18.5Kw	188/456	IRAM82/180M	1425	480	480	248	750	950			240	240	418
18.5Kw	85/185	IRAM92/180M	1516	510	510	241	850	1050			285	285	447

Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	J	J*
RLP 5	DN65	268	292	83	107
	DN80	268	302		

Add 25mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/J*	Pump with Heating Jackets

RLP 5 Coupling Gearbox Drive Dimensions											
Motor Power & Speed			A	HD	H	B	C	D	E	F	Kg
Power	Speed (rpm)	Motor									
4Kw	55/95	IRAM72/112M	1125	378	149	650	760	410	450	180	225
4Kw	104/480	IRAM62/112M	1082			580	700				209
5.5Kw	43/91	IRAM83/132S	1265	403	182	750	860	460	500		278
5.5Kw	104/465	IRAM72/132S	1170			650	760				236
7.5Kw	130/465	IRAM72/132S	1216	411	255	750	860	460	500	247	
11Kw	200/465	IRAM72/C132M								249	
15Kw	131/456	IRAM82/160L	1413	467	255	750	860	460	500	225	385
15Kw	68/139	IRAM92/160L	1480	494		850	950				418
18.5Kw	188/456	IRAM82/180M	1425	470	248	750	860	460	500	180	405
18.5Kw	85/185	IRAM92/180M	1516	510	241	850	950			225	438

Want to know more technical information?

Talk to a member our technical team on +44 (0) 1773 302 660 to discuss any technical enquiries you may have.



RLP 5

Rotary Lobe Pumps Range



Pump Performance:

Flow rate:	54 m ³ /h
Pressure:	1 ~ 7 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 500 rpm
Viscosity:	32 ~ 55,000cst

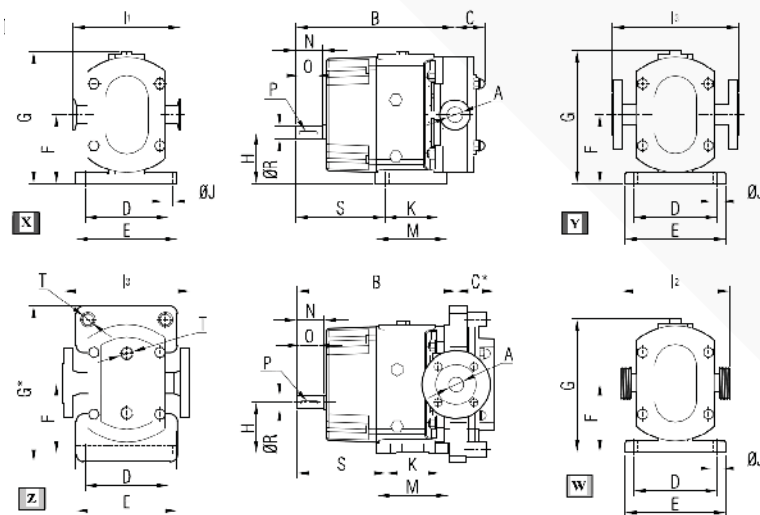
Material Options:

Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal

Capacity and Power Table:

RLP 5 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
3,1	30	1.5Kw	2.2Kw	2.2Kw	55,000cst
6,2	60	2.2Kw	2.9Kw	4.1Kw	55,000cst
10,4	100	4.1Kw	4.1Kw	5.5Kw	17000cst
15,7	150	4.1Kw	5.5Kw	7.5Kw	17000cst
26,2	250	4.1Kw	7.5Kw	11Kw	3300cst
31,5	300	4.1Kw	7.5Kw	11Kw	500cst
34	350	4.1Kw	7.5Kw	11Kw	110cst
39	400	4.1Kw	7.5Kw	11Kw	32cst

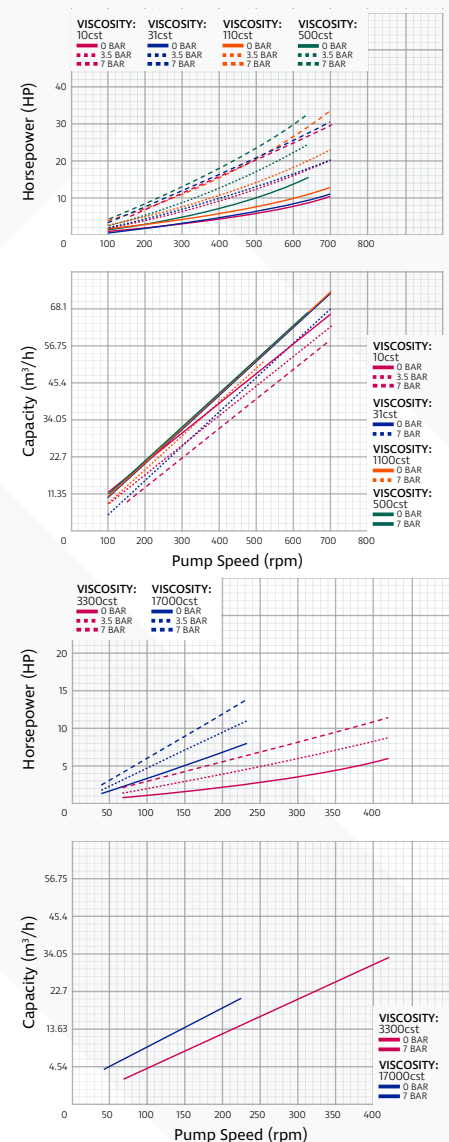
Pump Dimensions:



X	Pump with Sanitary Clamp Connection
Y	Pump with Flange Connection
Z	Pump with Heating Jackets

W	Pump with Male Thread Connection
B	For Pump with Code 001
B*	For Pump with Code 002

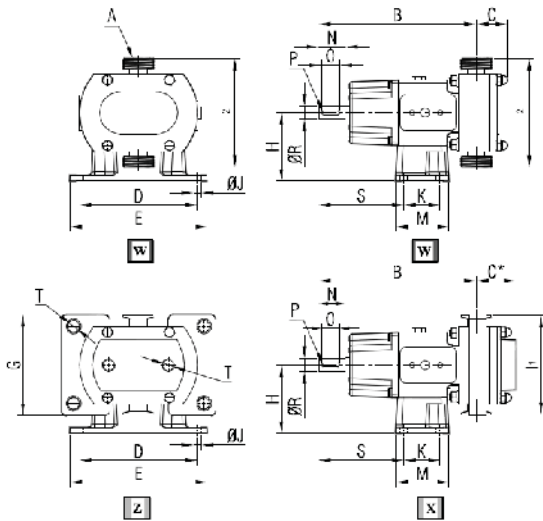
Performance Curves:



RLP 5 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 5	DN80	463	488	86	110	216	260	187	364	392	127	268	302	394	17	172	216	72	56	14x9	45	244	½"	140
	DN100											344	396	396										142

Pump Dimensions:



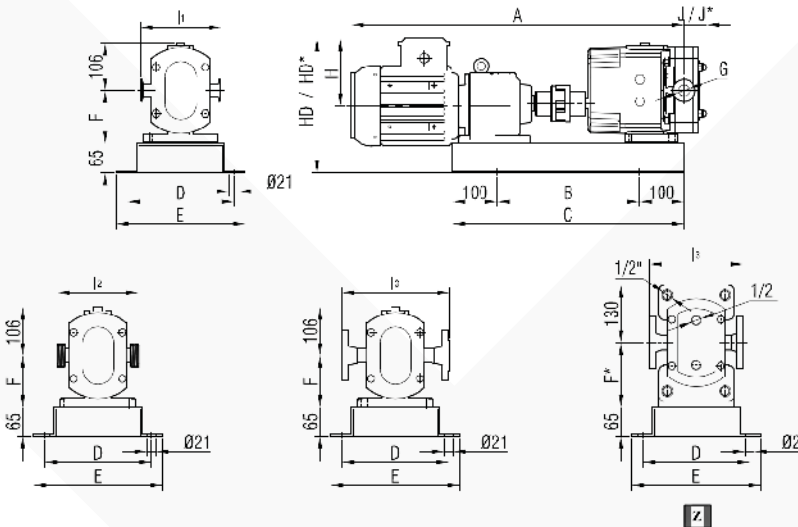
X	Pump with Sanitary Clamp Connection
Z	Pump with Heating Jackets
W	Pump with Male Thread Connection

B	For Pump with Code 001
B*	For Pump with Code 002

RLP 5 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 5	DN80	463	488	86	110	278	310	274	180	268	302	13	139	171	72	56	14x9	45	210	1"	134
	DN100									344	396										136

Coupling Dimensions - Gearbox Drive:



Add 25mm to A dimension for 002 type pump

Pump Code	G	I1	I2	I3	J	J*
RLP 5	DN65	268	292	350	83	107
	DN80	268	302	350		

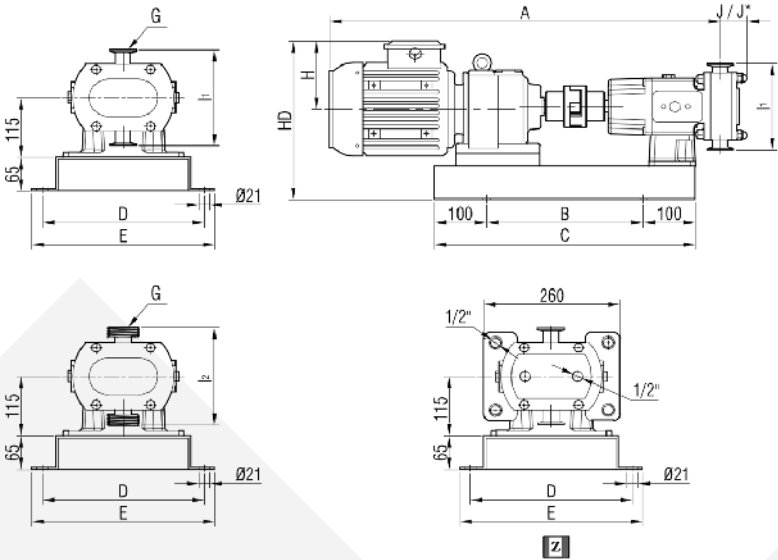
I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 5 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	Kg
Power	Speed (rpm)	Motor											
11Kw	43/105	IRAM92/160M	1125	338	378	149	650	850	340	380	200	240	230
15Kw	68/127	IRAM92/160L	1082	330	383		580	780			187		213
15Kw	131/380	IRAM82/160L	1265	403	403	182	750	950	420	460	240	240	291
18.5Kw	50/93	IRAM103/180M	1170										241
18.5Kw	85/223	IRAM92/180M	1216	371	411	225	650	850	340	380	200	240	252
18.5Kw	237/456	IRAM82/180M											254
22Kw	155/93	IRAM103/180L	1413	456	456	225	750	950	420	460	240	240	398
22Kw	105/464	IRAM92/180L	1480	494	494		850	1050			285	285	427

Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	J	J*
RLP 5	DN80	268	302	86	110
	DN100	344	396		

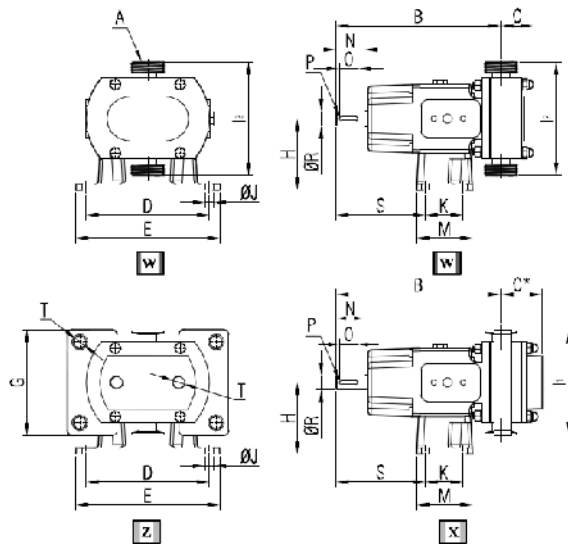
Add 25mm to A dimension for 002 type pump	
I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/J*	Pump with Heating Jackets

RLP 5 Coupling Gearbox Drive Dimensions											
Motor Power & Speed			A	HD	H	B	C	D	E	F	Kg
Power	Speed (rpm)	Motor									
4Kw	55/95	IRAM72/112M	1137	378	149	650	760	410	450	180	232
4Kw	104/480	IRAM62/112M	1092			580	700				216
5.5Kw	43/91	IRAM83/132S	1277	403	182	750	860	460	500	180	285
5.5Kw	104/465	IRAM72/132S	1182			650	760				243
7.5Kw	130/465	IRAM72/132S	1228	411	255	650	760	410	450	180	254
11Kw	200/465	IRAM72/C132M				750	860				256
15Kw	131/456	IRAM82/160L	1425	467	255	750	860	460	500	225	392
15Kw	68/139	IRAM92/160L	1492	494		850	950				424
18.5Kw	188/456	IRAM82/180M	1437	470	248	750	860	460	500	180	412
18.5Kw	85/185	IRAM92/180M	1528	510	241	850	950				445

Do you have any questions about which fluids and industries are suitable for your applications?
Talk to a member our technical team on +44 (0) 1773 302 660



Pump Dimensions:

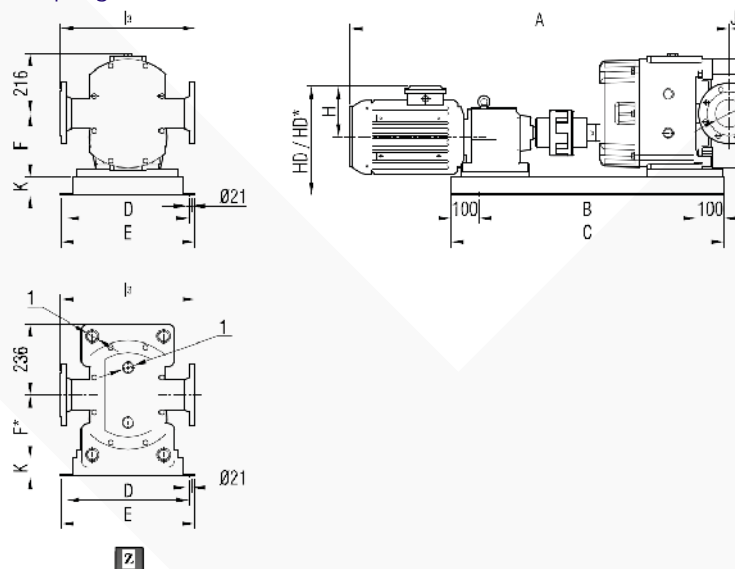


X	Pump with Sanitary Clamp Connection	B	For Pump with Code 001
Z	Pump with Heating Jackets	B*	For Pump with Code 002
W	Pump with Male Thread Connection		

RLP 6 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 6	DN100	580	594	110	137	340	380	333	290	316	368	17	159	280	100	85	16x10	55	198	1"	241
	DN125									388	424										

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I3	J	J*
RLP 6	DN100	484	110	137

Add 14mm to A dimension for 002 type pump

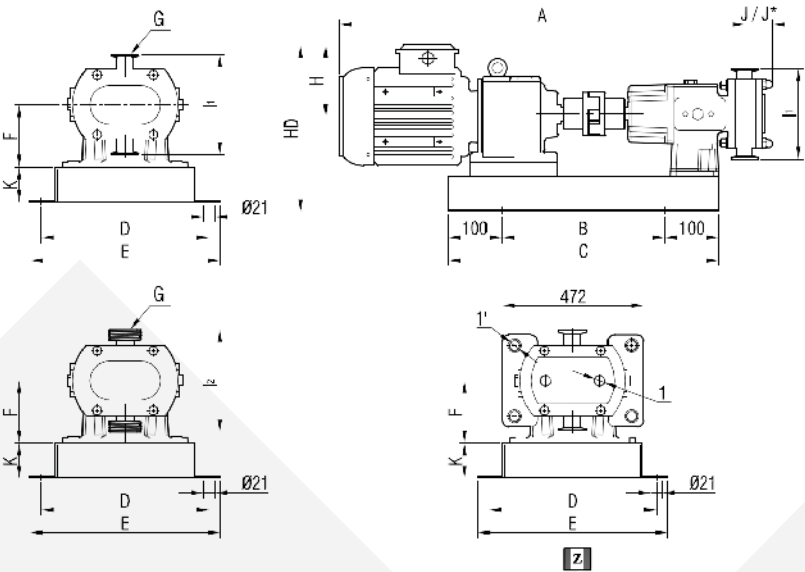
I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 6 Coupling Gearbox Drive Dimensions

Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	G	Kg
Power	Speed (rpm)	Motor												
11Kw	43/105	IRAM92/160M	1581	493	493	225	960	1160	510	550	295	295	65	512
15Kw	68/127	IRAM92/160L	1625				850	1050	440	480	250			544
15Kw	131/380	IRAM82/160L	1548	457	502		1060	1260	550	590	321	321	105	517
18.5Kw	50/93	IRAM103/180M	1706	542	542		960	1160	510	550	295	295	65	691
18.5Kw	185/223	IRAM92/180M	1639	516	516		850	1050	440	480	250	295		564
18.5Kw	237/456	IRAM82/180M	1560	480	525	248	1060	1260	550	590	321	321	105	537
22Kw	155/93	IRAM103/180L	1744	542	542		960	1160	510	550	295	295	65	716
22Kw	105/464	IRAM92/180L	1673	516	516		850	1050	440	480	250	295		589

Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	J	J*
RLP 6	DN100	316	368	110	137
	DN125	388	424		

Add 14mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 6 Coupling Gearbox Drive Dimensions												
Motor Power & Speed			A	HD	H	B	C	D	E	F	K	Kg
Power	Speed (rpm)	Motor										
11Kw	43/105	IRAM92/160M	1581	559	225	900	1100	560	600	290	65	525
15Kw	68/127	IRAM92/160L	1625									557
15Kw	131/380	IRAM82/160L	1548	556	800	1000	560	600	105		535	
18.5Kw	50/93	IRAM7103/180M	1706	622	1000	1200					65	720
18.5Kw	185/223	IRAM92/180M	1639	581	900	1100			560		600	65
18.5Kw	237/456	IRAM82/180M	1560	579	248	800	1000	105				
22Kw	155/93	IRAM103/180L	1744	622	248	1000	1200	600	640		105	745
22Kw	105/464	IRAM92/180L	1673	587		900	1100	560	600			65



Not sure which pump is suitable for your application?
Talk to a member our technical team on +44 (0) 1773 302 660



RLP 6

Rotary Lobe Pumps Range



Pump Performance:

Flow rate:	106,5 m ³ /h
Pressure:	1 ~ 7 Bar
Temperature:	0 ~ 150°C
Speed:	1 ~ 500 rpm
Viscosity:	32 ~ 55,000cst

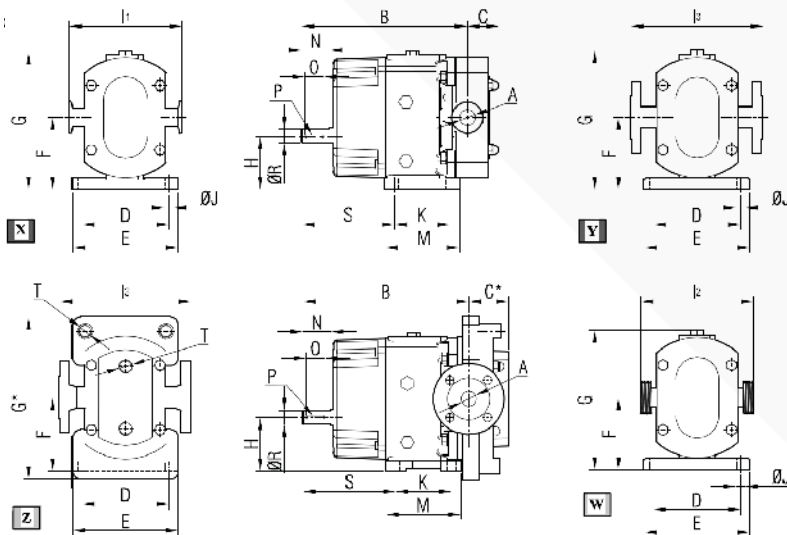
Material Options:

Covers:	Cast Iron
Lobe Casing:	Steel Cast, Stainless AISI 304/316 Cast
Bearings:	Bearing
Sealing:	Mechanical Seal, Lip Seal

Capacity and Power Table:

RLP 6 Capacity and Power Table					
Capacity (m ³ /h)	Speed (rpm)	Pressure			Viscosity
		0 Bar	3.5 Bar	7 Bar	
6,2	30	2.9Kw	4.1Kw	4.1Kw	55,000cst
12,4	60	5.5Kw	5.5Kw	7.5Kw	55,000cst
31	150	11Kw	15Kw	15Kw	17000cst
41,7	200	11Kw	15Kw	22.5Kw	3300cst
62,6	300	11Kw	15Kw	22.5Kw	500cst
70	350	11Kw	15Kw	22.5Kw	110cst
76	400	11Kw	22.5Kw	30Kw	32cst

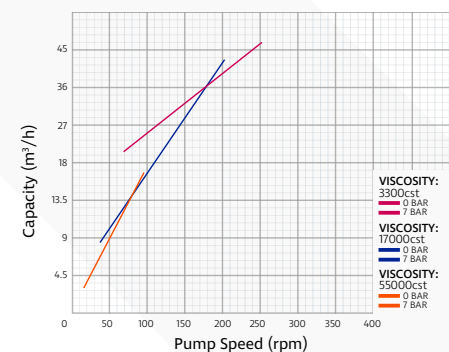
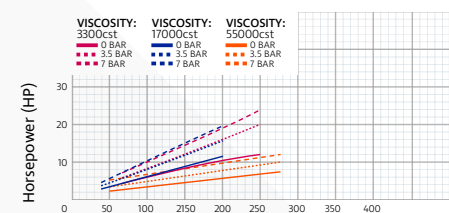
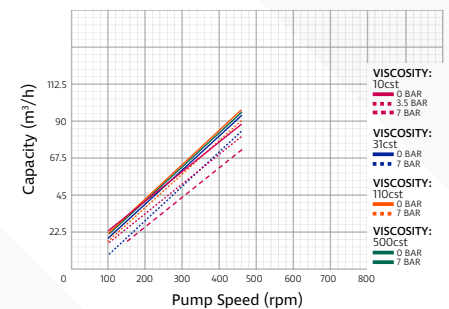
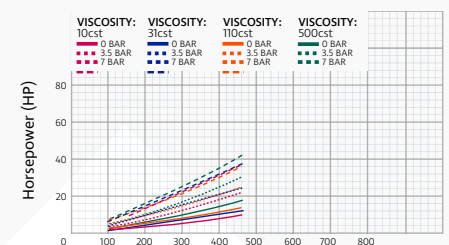
Pump Dimensions:



X	Pump with Sanitary Clamp Connection
Y	Pump with Flange Connection
Z	Pump with Heating Jackets

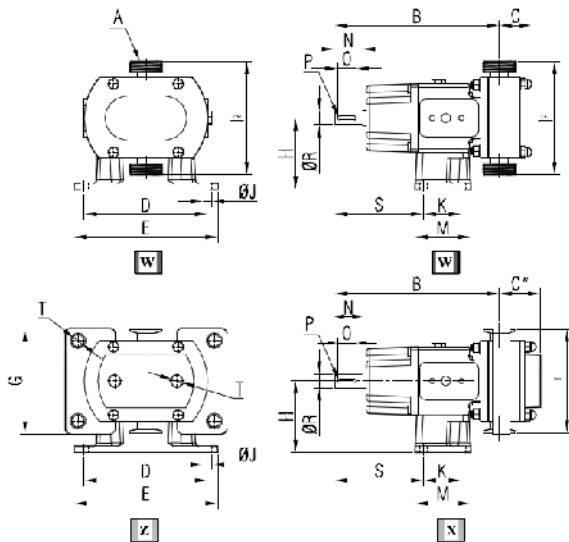
W	Pump with Male Thread Connection
B	For Pump with Code 001
B*	For Pump with Code 002

Performance Curves:



RLP 6 Pump Dimensions																								
Pump Code	A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	Kg
RLP 6	DN150	591	605	120	149	300	360	228	444	472	158	-	-	542	21	210	270	100	85	16x10	55	315	1"	246

Pump Dimensions:



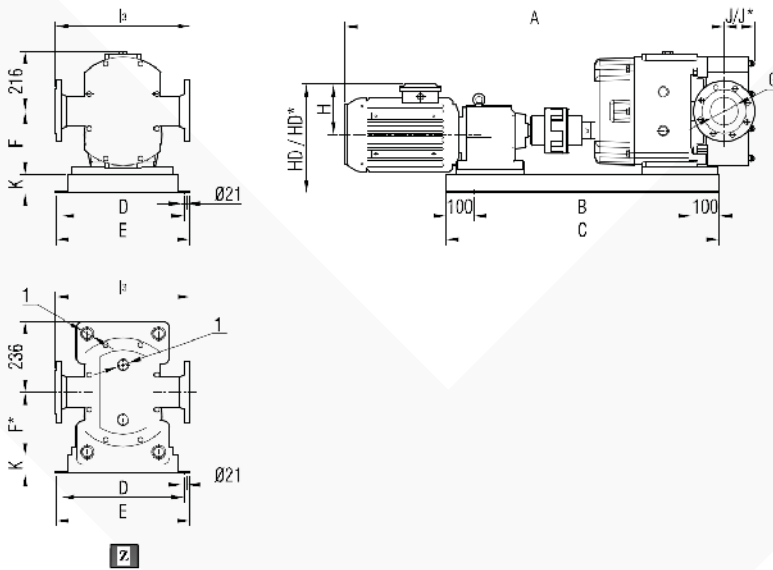
X	Pump with Sanitary Clamp Connection
Z	Pump with Heating Jackets
W	Pump with Male Thread Connection

B	For Pump with Code 001
B*	For Pump with Code 002

RLP 6 Pump Dimensions

Pump Code	A	B	B*	C	C*	D	E	G	H	I1	I2	J	K	M	N	O	P	R	S	T	Kg
RLP 6	DN125	591	605	120	148	340	380	333	290	316	352	17	159	280	100	85	16x10	55	198	1"	255
	DN150									396	440										

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I3	J	J*
RLP 6	DN150	542	120	148

Add 14mm to A dimension for 002 type pump

I3	Pump with Flange Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 6 Coupling Gearbox Drive Dimensions

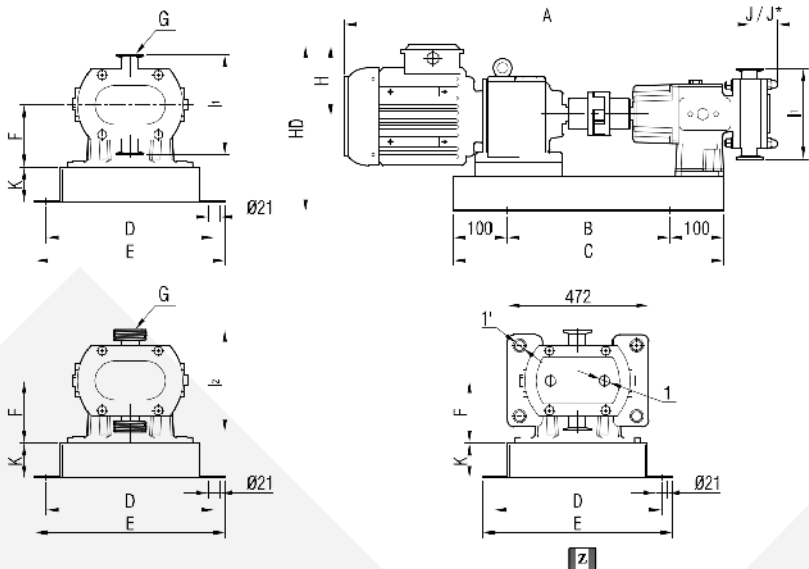
Motor Power & Speed			A	HD	HD*	H	B	C	D	E	F	F*	G	Kg
Power	Speed (rpm)	Motor												
11Kw	43/105	IRAM92/160M	1592	493	493	225	960	1160	510	550	295	295	65	525
15Kw	68/127	IRAM92/160L	1636											557
15Kw	131/380	IRAM82/160L	1559	457	502		850	1050	440	480	250			530
18.5Kw	50/93	IRAM103/180M	1717	542	542	248	1060	1260	550	590	321	321	105	704
18.5Kw	185/223	IRAM92/180M	1650	516	516		960	1160	510	550	295	295	65	577
18.5Kw	237/456	IRAM82/180M	1571	480	525		850	1050	440	480	250	295		550
22Kw	155/93	IRAM103/180L	1755	542	542		1060	1260	550	590	321	321	105	729
22Kw	105/464	IRAM92/180L	1684	516	516		960	1160	510	550	295	295	65	602

All dimensions are mm. Flanges are PN16



Rotary Lobe Pumps

Coupling Dimensions - Gearbox Drive:



Pump Code	G	I1	I2	J	J*
RLP 6	DN125	316	352	120	148
	DN150	396	440		

Add 14mm to A dimension for 002 type pump

I1	Pump with Sanitary Clamp Connection
I2	Pump with Male Thread Connection
Z/HD*/F*/J*	Pump with Heating Jackets

RLP 6 Coupling Gearbox Drive Dimensions												
Motor Power & Speed			A	HD	H	B	C	D	E	F	K	Kg
Power	Speed (rpm)	Motor										
11Kw	43/105	IRAM92/160M	1592	559	225	900	1100	560	600	290	65	539
15Kw	68/127	IRAM92/160L	1636									571
15Kw	131/380	IRAM82/160L	1559	556	800	1000	600	640	105		549	
18.5Kw	50/93	IRAM7103/180M	1717	622	1000	1200					734	
18.5Kw	185/223	IRAM92/180M	1650	581	900	1100	560	600	65		591	
18.5Kw	237/456	IRAM82/180M	1571	579	800	1000					569	
22Kw	155/93	IRAM103/180L	1755	622	248	1000	1200	600	640		105	759
22Kw	105/464	IRAM92/180L	1684	587		900	1100					616

N.B: All dimensions are mm. Flanges are PN16

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to discuss any technical enquiries you may have.



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