

DRAGON CENTRIFUGAL PUMPS

Thermoplastic centrifugal pumps with mechanical seal



DRAGON plastic horizontal centrifugal pumps are high performance pumps operated by a direct-drive electric motor for fast fluid transfer and drainage with flow-rates ranging from 6 to 40 m³/h. The special semi-opened impeller design allows continuous pumping even with dirty fluids with apparent viscosity up to 500cps. and small suspended solids.

DRAGON centrifugal pumps feature a solid pump casing and a lantern for connecting the electric motor and inspection of the mechanical seal. The semi-opened impeller is fitted to the pump shaft that is integral with the drive shaft of the electric motor. The shaft mechanical seal is housed at the rear of the impeller.

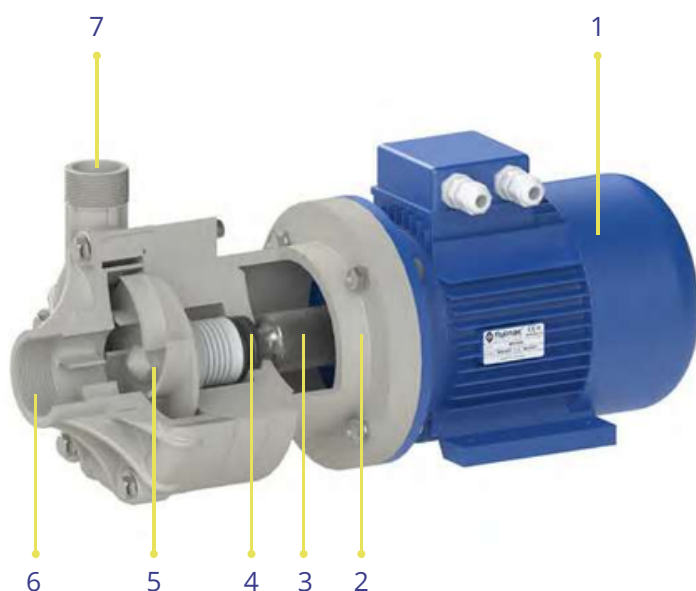
MAIN FEATURES

- Casing and impeller in PP and PVDF
- O-ring in EPDM and VITON
- Single Mechanical Seal
- Max delivery head 25 mts
- Max flow - Rate: 40 m³/h
- Temperature: from -20 °C to + 95°C
- Max viscosity: 500 CPS
- Electric motors from 0,37 Kw up to 5,5kW
- Specific Gravity up to 1.9

INSTALLATION



POSITIVE SUCTION:
DRAGON centrifugal pumps should only be installed with the shaft positioned horizontally in a positive suction head arrangement. Suitable devices should be fitted to prevent dry running and the formation of a vortex and possible air suction. Running dry or with air bubbles can cause damage to the mechanical seal.

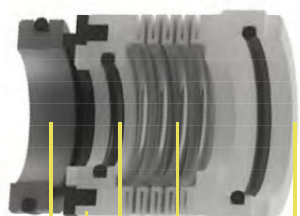
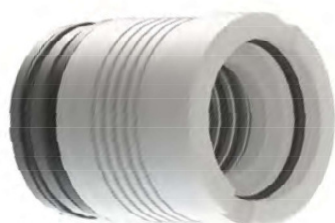


- 1 Electric motor
- 2 Inspection lantern
- 3 Shaft
- 4 Mechanical Seal
- 5 Impeller
- 6 Inlet
- 7 Outlet

DRAGON SERIES

CE

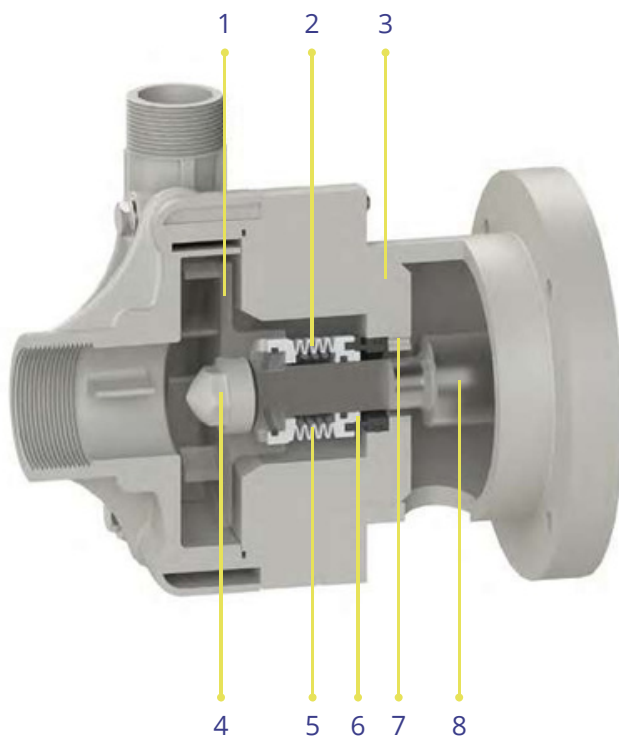
DRAGON mechanical seal is designed with externally 100% virgin PTFE bellows for extreme corrosion resistance applications. The entire seal assembly and component parts employ mechanical drive to prevent slippage on the shaft or sleeve. Seal assembly is outside mounted and internally pressurized.



MAIN FEATURES

- Special design
- Anti-rotation
- High chemical design
- SiC/C/FPM/SS304
- Able to handle dirty fluid

- 1 Static Seal in SILICON CARBIDE
- 2 Dynamic Seal in CARBON
- 3 Gasket in FPM
- 4 Spring in SS AISI 316
- 5 Bellows in PTFE



- 1 Semi-opened impeller
- 2 Bellows
- 3 Seal-holding flange
- 4 Fluid cap
- 5 Spring
- 6 Dynamic seal ring
- 7 Static seal ring
- 8 Shaft

DRAGON SERIES

DR 6

PP



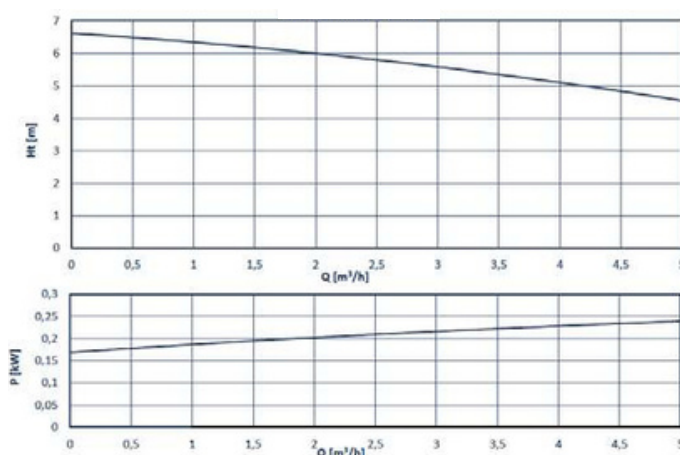
PVDF



TECHNICAL DATA

- Inlet connections 1" 1/2 F BSPP
- Outlet connections 1" M BSPP
- Max. Flow rate 9,2 m³/h
- Max. Delivery head 6,4 m
- Max Viscosity 100 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

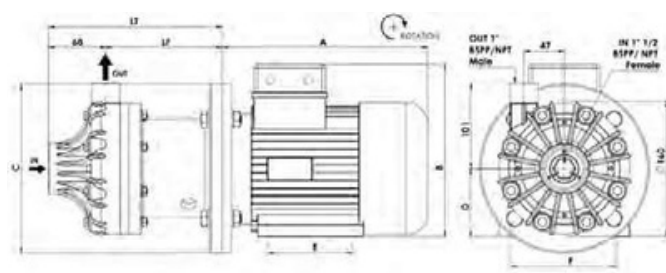
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 71	IEC 71	IEC 80
kW	0,37	0,55	0,75
Weight kg*	5,6	6,1	9,1
A* mm	225	225	250
B* mm	183	183	212
C* mm	160	160	200
D* mm	71	71	80
E* mm	90	90	100
F* mm	112	112	125
LT* mm	204,5	204,5	204,5
LF* mm	137	137	137



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR006	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	71	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	80	.- = NO MOTOR
				5 = NPT	90	

DRAGON SERIES

DR 10

PP



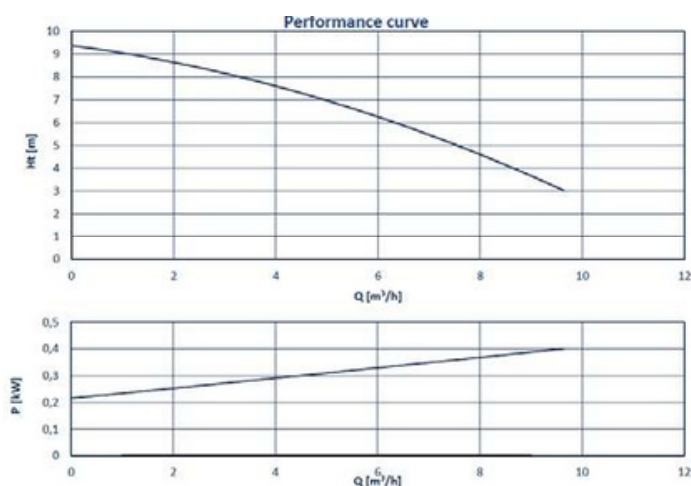
PVDF



TECHNICAL DATA

- Inlet connections 1" 1/2 F BSPP
- Outlet connections 1" M BSPP
- Max. Flow rate 11,2 m³/h
- Max. Delivery head 9 m
- Max Viscosity 150 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

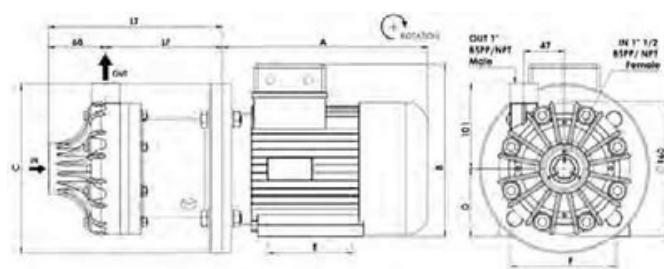
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 71	IEC 80	IEC 80	IEC 90S
kW	0,55	1,1	0,75	1,5
Weight kg*	6,1	10,2	9,1	12
A* mm	250	250	250	260
B* mm	183	212	212	230
C* mm	160	200	200	200
D* mm	71	80	80	90
E* mm	90	100	100	100
F* mm	112	125	125	140
LT* mm	204,5	204,5	204,5	216,5
LF* mm	137	137	137	149



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR010	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	71	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	80	
				5 = NPT	90	- = NO MOTOR

DRAGON SERIES

DR 15

PP



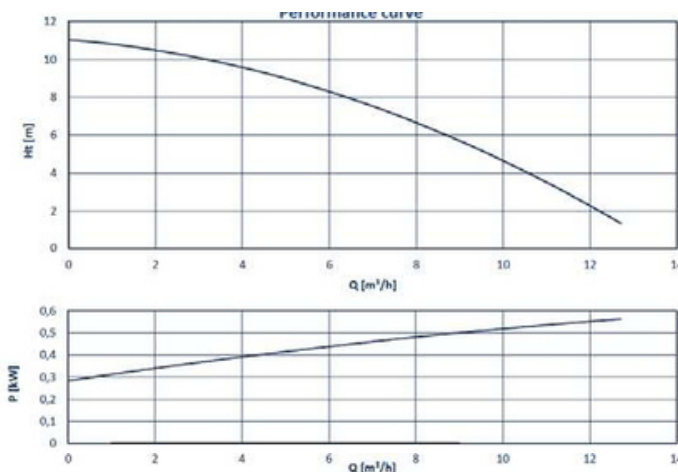
PVDF



TECHNICAL DATA

- Inlet connections 1" 1/2 F BSPP
- Outlet connections 1" M BSPP
- Max. Flow rate 13 m³/h
- Max. Delivery head 11 m
- Max Viscosity 200 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

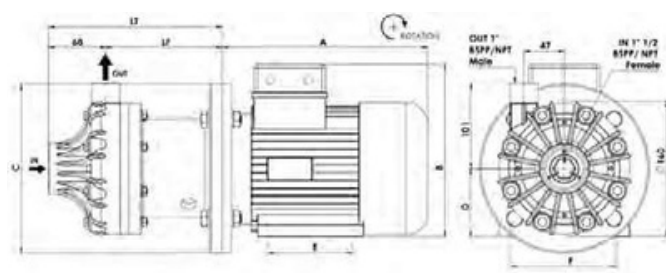
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 80	IEC 80	IEC 90S
kW	0,75	1,1	1,5
Weight kg*	9,1	10,2	12
A* mm	250	250	260
B* mm	212	212	230
C* mm	200	200	200
D* mm	80	80	90
E* mm	100	100	100
F* mm	125	125	140
LT* mm	204,5	204,5	216,5
LF* mm	137	137	149



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR015	P = PP	D = EPDM	T1 = SiC + C	1 = BSPP STD	71	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	80	- = NO MOTOR
				5 = NPT	90	

DRAGON SERIES

DR 20

PP



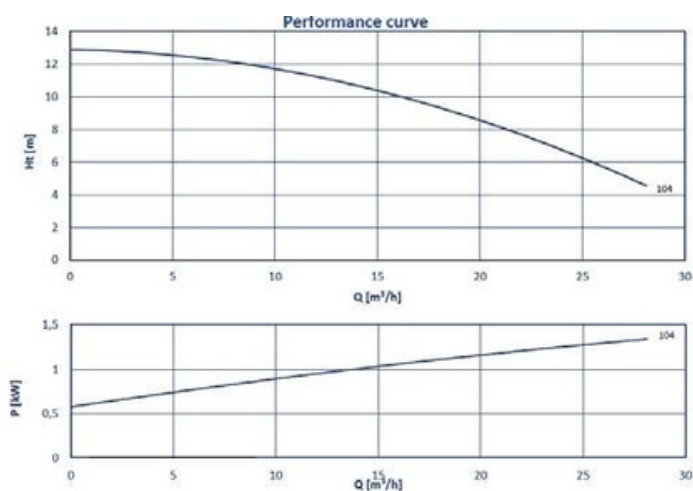
PVDF



TECHNICAL DATA

- Inlet connections 2" F BSPP
- Outlet connections 1" 1/2 M BSPP
- Max. Flow rate 28,5 m³/h
- Max. Delivery head 13 m
- Max Viscosity 300 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

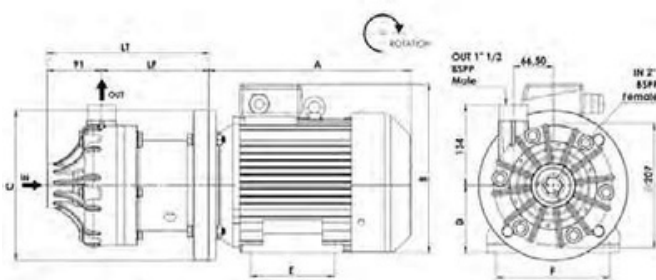
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 90S	IEC 90L	IEC 100L	IEC 112	IEC 132S
kW	1,5	2,2	3	4	5,5
Weight kg*	12	15	22,3	26,7	38,5
A* mm	260	285	326	335	356
B* mm	230	230	247	286	319
C* mm	200	200	250	250	300
D* mm	90	90	100	112	132
E* mm	100	125	140	140	140
F* mm	140	140	160	190	216
LT* mm	270,5	270,5	270,5	270,5	289,5
LF* mm	179,5	179,5	179,5	179,5	198,5



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR020	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD 2 = FLANGED	80	IE = IEC FLANGE
	K = PVDF	V = VITON			90	- = NO MOTOR
					100	
					112	
					132	

DRAGON SERIES

DR 25

PP



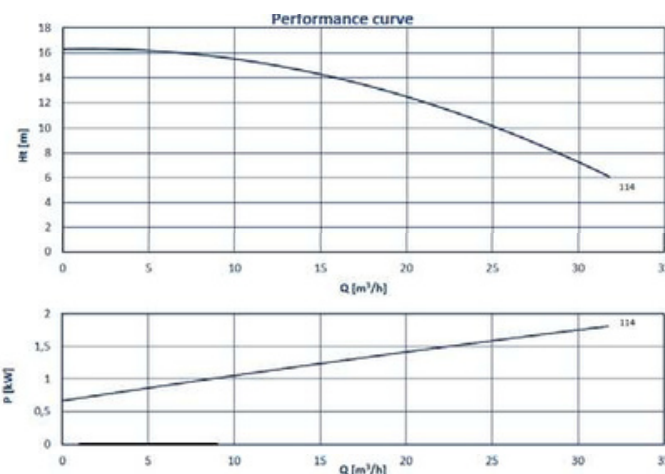
PVDF



TECHNICAL DATA

- Inlet connections 2 F BSPP
- Outlet connections 1" 1/2 M BSPP
- Max. Flow rate 31 m³/h
- Max. Delivery head 17 m
- Max Viscosity 400 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

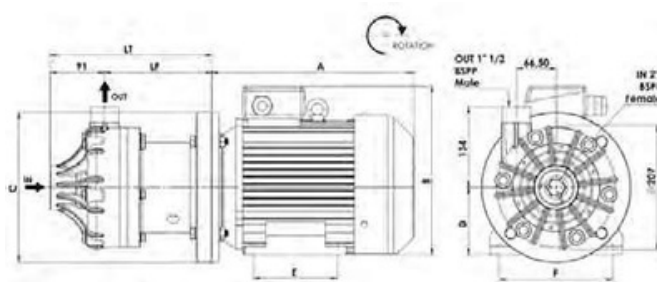
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 90S	IEC 90L	IEC 100L	IEC 112	IEC 132S
kW	1,5	2,2	3	4	5,5
Weight kg*	12	15	22,3	26,7	38,5
A* mm	260	285	326	335	356
B* mm	230	230	247	286	319
C* mm	200	200	250	250	300
D* mm	90	90	100	112	132
E* mm	100	125	140	140	140
F* mm	140	140	160	190	216
LT* mm	270,5	270,5	270,5	270,5	289,5
LF* mm	179,5	179,5	179,5	179,5	198,5



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR025	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD 2 = FLANGED	80	IE = IEC FLANGE
	K = PVDF	V = VITON			90	- = NO MOTOR
					100	
					112	
					132	

DRAGON SERIES

DR 30

PP



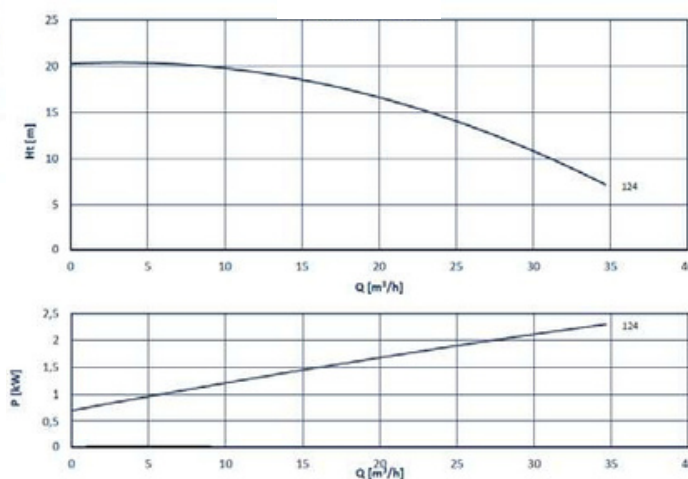
PVDF



TECHNICAL DATA

- Inlet connections 2" F BSPP
- Outlet connections 1" 1/2 M BSPP
- Max. Flow rate 34,5 m³/h
- Max. Delivery head 21 m
- Max Viscosity 500 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

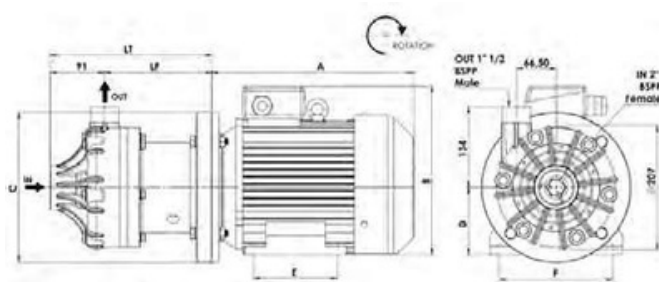
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 90L	IEC 100L	IEC 112	IEC 132S
kW	2,2	3	4	5,5
Weight kg*	15	22,3	26,7	38,5
A* mm	285	326	335	356
B* mm	230	247	286	319
C* mm	200	250	250	300
D* mm	90	100	112	132
E* mm	125	140	140	140
F* mm	140	160	190	216
LT* mm	270,5	270,5	270,5	289,5
LF* mm	179,5	179,5	179,5	198,5



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR030	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	80	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	90	- = NO MOTOR
					100	
					112	
					132	

DRAGON SERIES

DR 40

PP



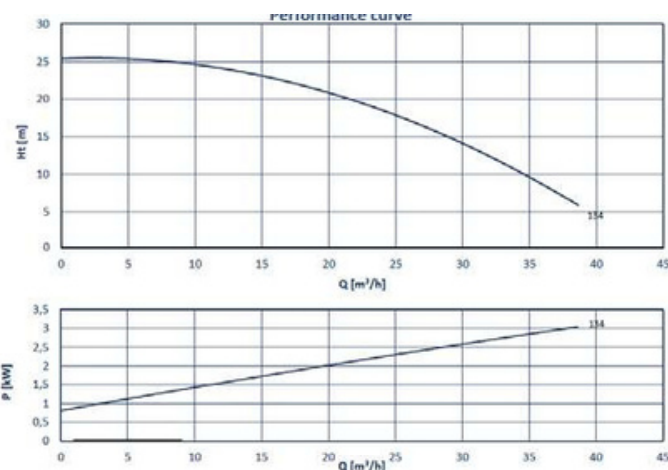
PVDF



TECHNICAL DATA

- Inlet connections 2" F BSPP
- Outlet connections 1" 1/2 M BSPP
- Max. Flow rate 38 m³/h
- Max. Delivery head 21 m
- Max Viscosity 500 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

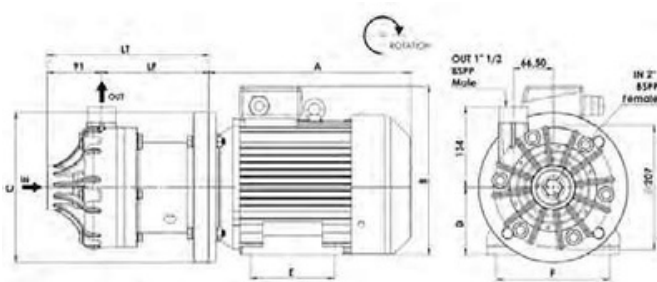
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 90L	IEC 100L	IEC 112	IEC 132S	IEC 132S
kW	2,2	3	4	5,5	7,5
Weight kg*	15	22,3	26,7	38,5	42,2
A* mm	285	326	335	356	356
B* mm	230	247	286	319	319
C* mm	200	250	250	300	300
D* mm	90	100	112	132	132
E* mm	125	140	140	140	140
F* mm	140	160	190	216	216
LT* mm	270,5	270,5	270,5	289,5	326,5
LF* mm	179,5	179,5	179,5	198,5	234



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR040	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	80	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	90	- = NO MOTOR
					100	
					112	
					132	

DRAGON SERIES

DR 45

PP



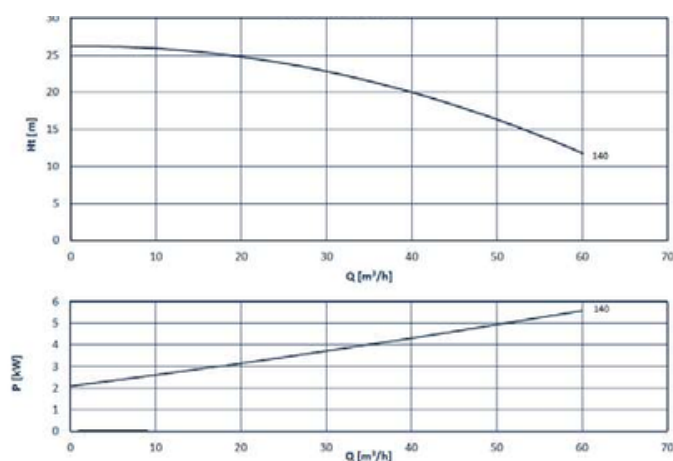
PVDF



TECHNICAL DATA

- Inlet connections 2" 1/2 F BSPP
- Outlet connections 2" M BSPP
- Max. Flow rate 60 m³/h
- Max. Delivery head 26 m
- Max Viscosity 500 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

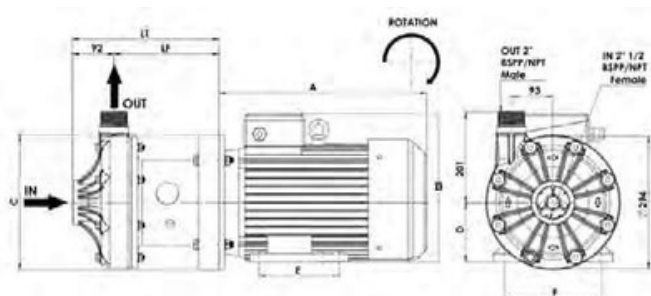
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 112	IEC 132S	IEC 132S	IEC 160M
kW	4	5,5	7,5	11
Weight kg*	26,7	38,5	42,2	101
A* mm	335	356	356	500
B* mm	286	319	319	425
C* mm	250	300	300	350
D* mm	112	132	132	160
E* mm	140	140	140	210
F* mm	190	216	216	254
LT* mm	270,5	326,5	326,5	326,5
LF* mm	179,5	234	234	234



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR045	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	100	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	112	
				5 = NPT	132	- = NO MOTOR
					160	

DRAGON SERIES

DR 50

PP



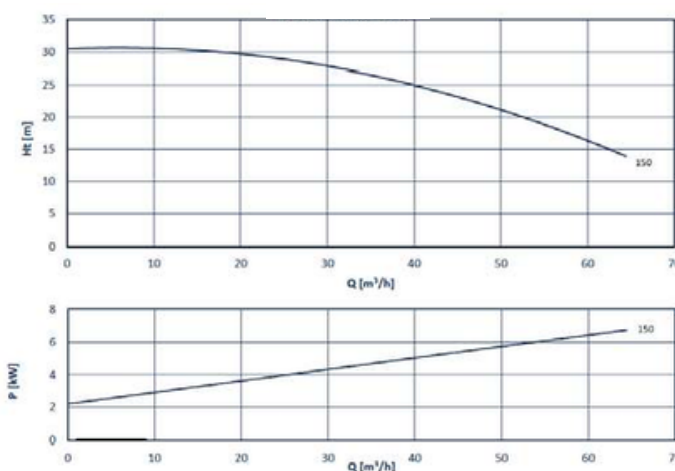
PVDF



TECHNICAL DATA

- Inlet connections 2" 1/2 F BSPP
- Outlet connections 2" M BSPP
- Max. Flow rate 64 m³/h
- Max. Delivery head 30,5 m
- Max Viscosity 600 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

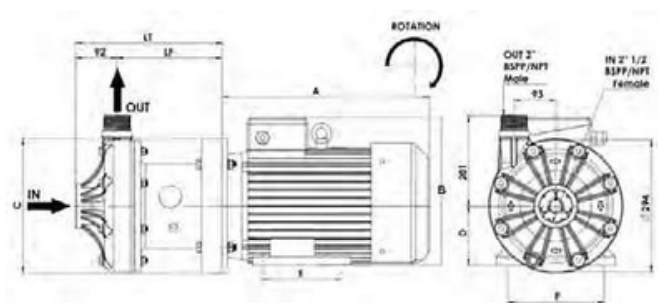
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 132S	IEC 132S	IEC 160M	IEC 160M
kW	5,5	7,5	11	15
Weight kg*	38,5	42,2	101	111
A* mm	356	356	500	500
B* mm	319	319	425	425
C* mm	300	300	350	350
D* mm	132	132	160	160
E* mm	140	140	210	210
F* mm	216	216	254	254
LT* mm	326,5	326,5	326,5	326,5
LF* mm	234	234	234	234



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR050	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	100	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	112	
				5 = NPT	132	- = NO MOTOR
					160	

DRAGON SERIES

DR 60

PP



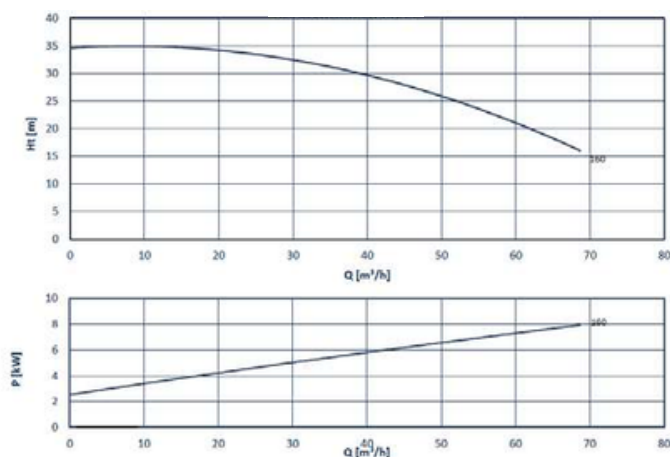
PVDF



TECHNICAL DATA

- Inlet connections 2" 1/2 F BSPP
- Outlet connections 2" M BSPP
- Max. Flow rate 68,5 m³/h
- Max. Delivery head 35 m
- Max Viscosity 700 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

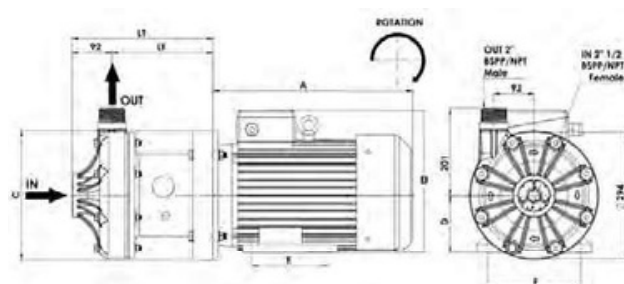
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 132S	IEC 132S	IEC 160M	IEC 160M	IEC 160L
kW	5,5	7,5	11	15	18,5
Weight kg*	38,5	42,2	101	111	126
A* mm	356	356	500	500	545
B* mm	319	319	425	425	425
C* mm	300	300	350	350	350
D* mm	132	132	160	160	160
E* mm	140	140	210	210	254
F* mm	216	216	254	254	254
LT* mm	326,5	326,5	326,5	326,5	326,5
LF* mm	234	234	234	234	234



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR060	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	100	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	112	
				5 = NPT	132	- = NO MOTOR
					160	

DRAGON SERIES

DR 70

PP



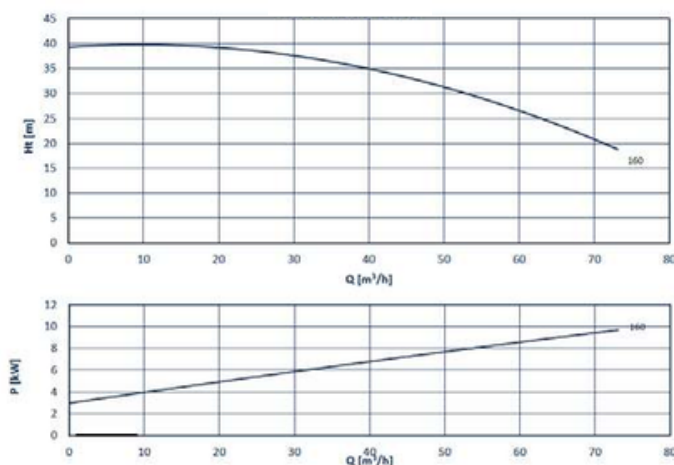
PVDF



TECHNICAL DATA

- Inlet connections 2" 1/2 F BSPP
- Outlet connections 2" M BSPP
- Max. Flow rate 73 m³/h
- Max. Delivery head 40 m
- Max Viscosity 800 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

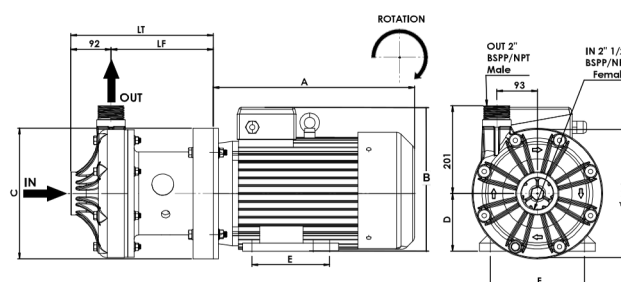
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 132S	IEC 160M	IEC 160M	IEC 160L
kW	7,5	11	15	18,5
Weight kg*	42,2	101	111	126
A* mm	356	500	500	545
B* mm	319	425	425	425
C* mm	300	350	350	350
D* mm	132	160	160	160
E* mm	140	210	210	254
F* mm	216	254	254	254
LT* mm	326,5	326,5	326,5	326,5
LF* mm	234	234	234	234



Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR070	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	100	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	112	
				5 = NPT	132	- = NO MOTOR
					160	

DRAGON SERIES

DR 80

PP



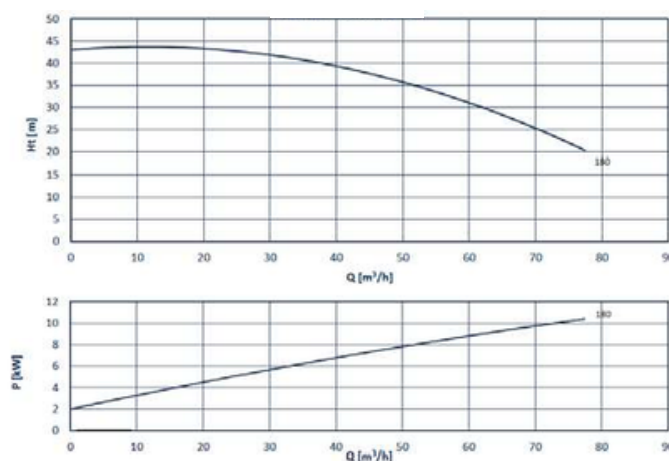
PVDF



TECHNICAL DATA

- Inlet connections 2" 1/2 F BSPP
- Outlet connections 2" M BSPP
- Max. Flow rate 78 m³/h
- Max. Delivery head 55 m
- Max Viscosity 800 CPS
- Temperature PP -5°C +65°C
- Temperature PVDF -20°C +95°C
- Impeller Semi-Opened

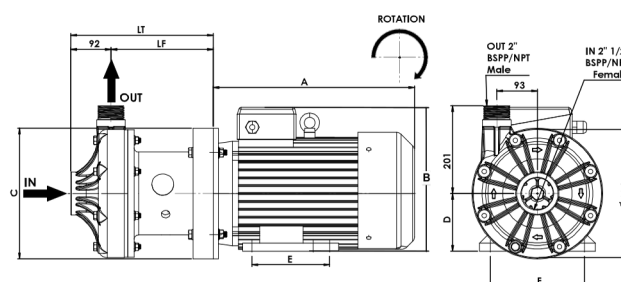
PERFORMANCE



The curves and performance data refer to pumps with free discharge, water at 20°C, and a two poles, 50 Hz motor. Four poles curves are available on page 34. This data may vary depending on construction materials and hydraulic conditions.

MOTOR AND DIMENSIONS

Size	IEC 132S	IEC 160M	IEC 160M	IEC 160L
kW	7,5	11	15	18,5
Weight kg*	42,2	101	111	126
A* mm	356	500	500	545
B* mm	319	425	425	425
C* mm	300	350	350	350
D* mm	132	160	160	160
E* mm	140	210	210	254
F* mm	216	254	254	254
LT* mm	326,5	326,5	326,5	326,5
LF* mm	234	234	234	234



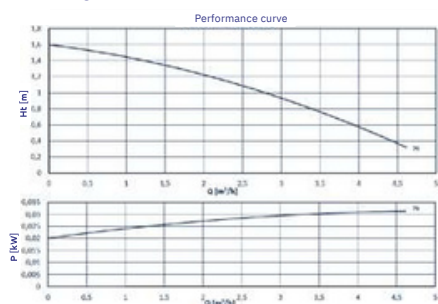
Standard motors: 2-pole, B3B5, 2900 rpm, 50 Hz, 230/400 V, IP55, IEC flange.

COMPOSITION

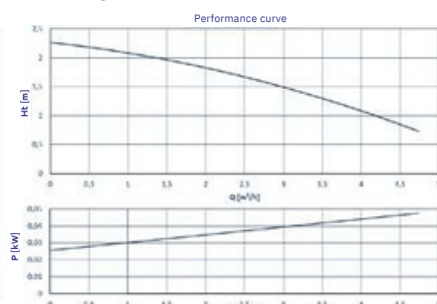
MODEL	CASING	O-RING	MECHANICAL SEAL	CONNECTIONS	SIZE	MOTOR VERSION
DR080	P = PP	D = EPDM	T1 = SIC + C	1 = BSPP STD	100	IE = IEC FLANGE
	K = PVDF	V = VITON		2 = FLANGED	112	- = NO MOTOR
				5 = NPT	132	
					160	

DRAGON SERIES 4 POLES CURVES

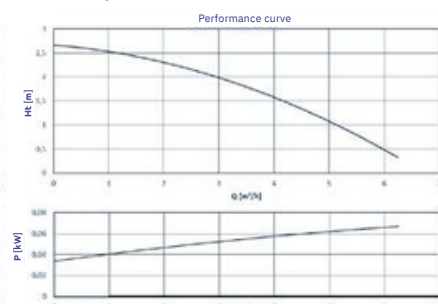
DR6



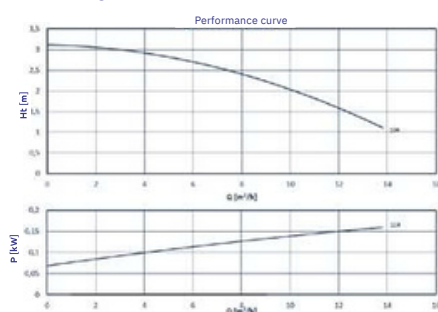
DR10



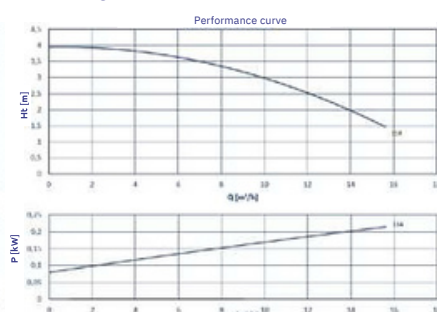
DR15



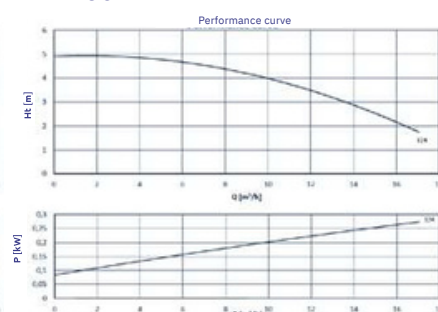
DR20



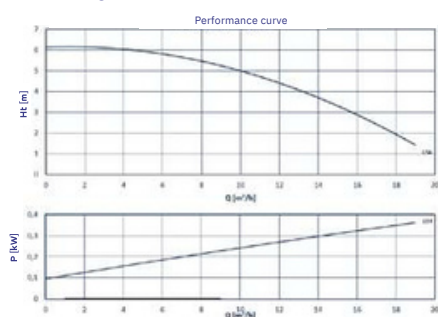
DR25



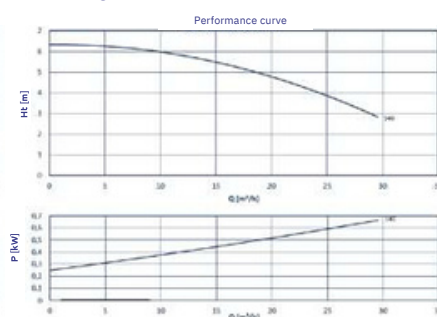
DR30



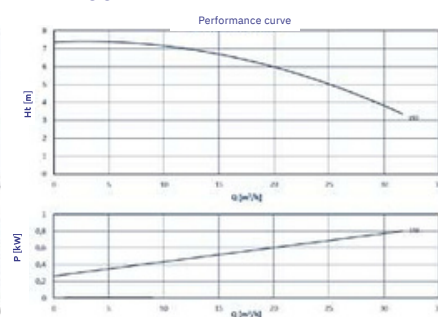
DR40



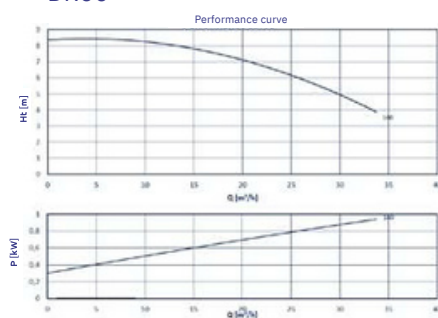
DR45



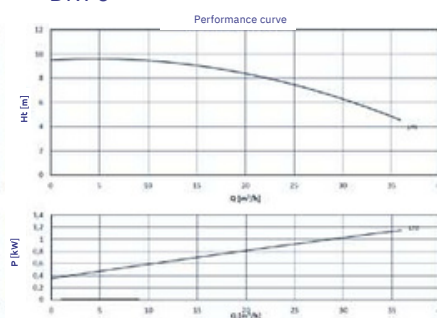
DR50



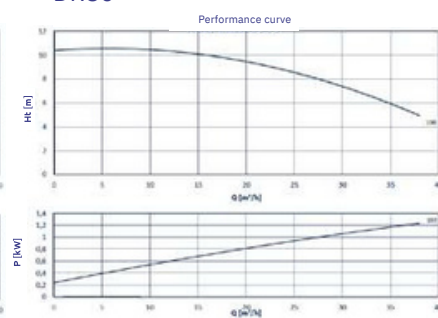
DR60



DR70

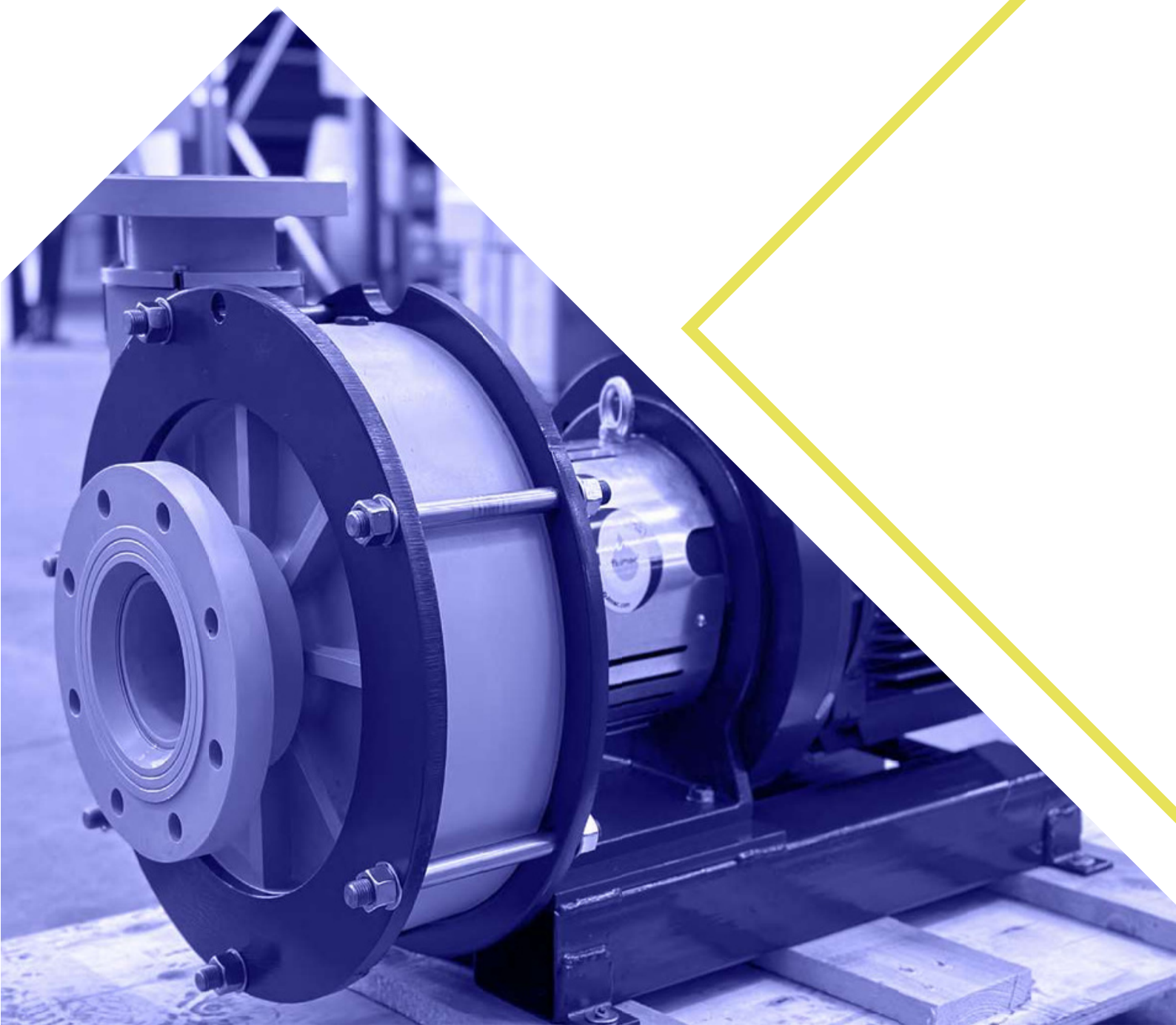


DR80



DRAGON ZN HORIZONTAL CENTRIFUGAL PUMPS

Thermoplastic centrifugal pumps with mechanical seal
for flow rates up to 200 m³/h



DRAGON ZN SERIES



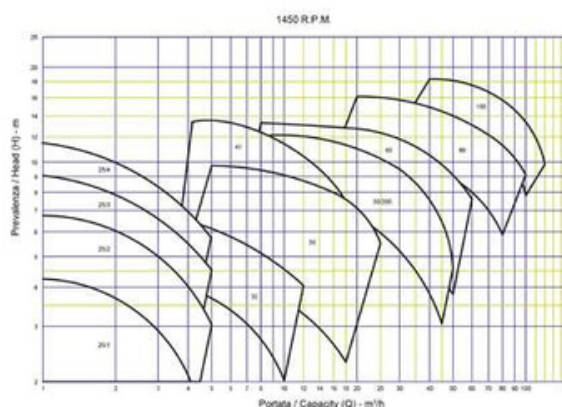
The Dragon ZN horizontal centrifugal pump is specifically designed for the safe and efficient transfer of chemically aggressive liquids, even in applications with high flow rates (up to 200 m³/h) and high heads. Equipped with IEC type B5 electric motors, this version combines lightweight, compactness, and reliability. The reciprocating design, thanks to a rigid coupling, allows for coupling with standardized IEC electric motors or, upon request, NEMA motors. This version features a single external ceramic/PTFE mechanical seal that operates on the shaft with a PTFE sleeve. The seal is internally flushed according to API PLAN 01. It is also possible to provide an API PLAN 32 type flush with a compatible liquid from an external source that mixes with the pumped fluid to cool and clean the seal chamber and prevent any small deposits.



TECHNICAL DATA

- Polypropylene, PVDF, glass-filled Moplen[®], impellers also available in Ryton[®].
- AISI 316L shaft with PTFE or Hastelloy-C sleeve.
- Single or double external mechanical seal in ceramic and PTFE or silicon carbide/silicon carbide.
- No metallic materials come into contact with the pumped liquid.

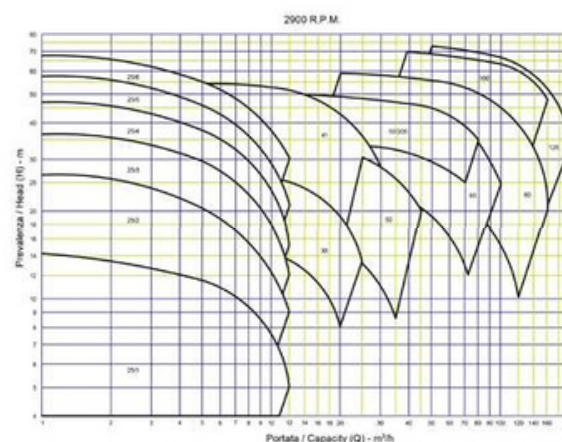
PERFORMANCE



APPLICATIONS

- Chemical and pharmaceutical production processes
- Galvanic treatments
- Toxic fume abatement systems
- Incinerators
- Fish farming
- Agri-food industries
- Steel industries
- Textile industries
- Sugar refineries
- Paper mills

PERFORMANCE



Upon request, the ZN series, for more demanding applications, is also available with a joint and support with two grease-lubricated bearings.