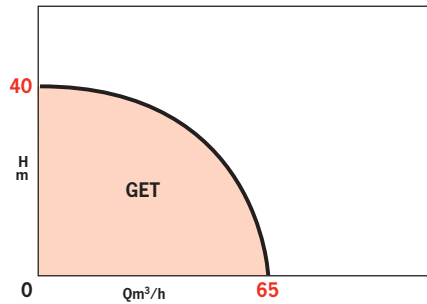


OPERATING LIMITS

Flow rates up to:	65 m ³ /h
Heads up to:	40 m*
Max. service pressure:	
• Heat transfer fluids	9 bar
• Superheated water	23 bar
Max. temperature:	
• Heat transfer fluids	350°C
• Superheated water	210°C
Flanges ND:	20 to 80

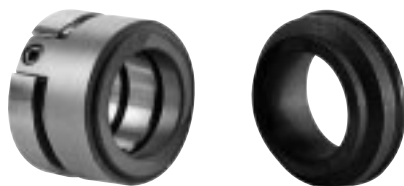
* 80 m for 2 GET pumps fitted in series



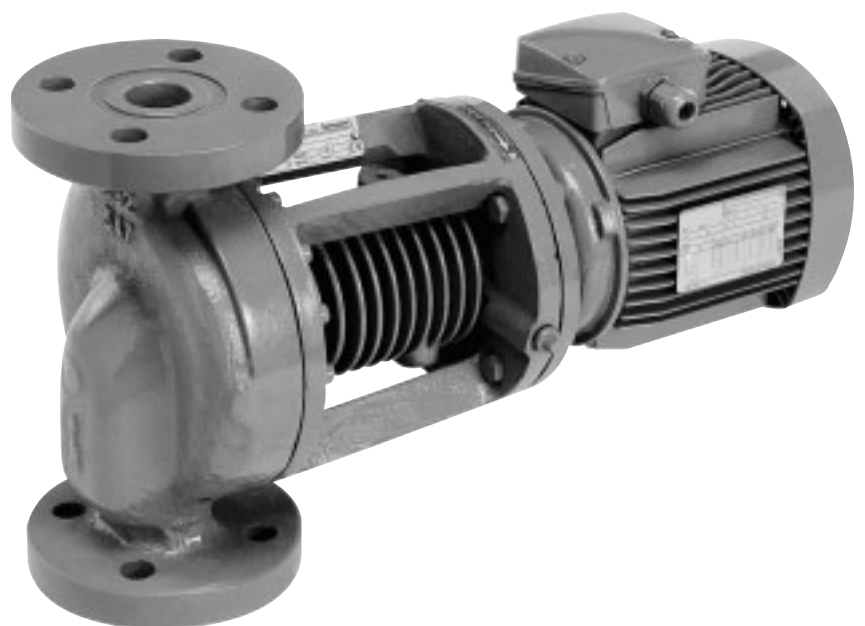
• GET 131-2 - 2 poles motor



• Mechanical seal for heat transfer fluids



• Mechanical seal for superheated water



• GET 133-4 - 4 poles motor

GET

SELF-COOLING IN-LINE MONOBLOC PUMPS

Heat transfer fluids - Superheated water 50 Hz

APPLICATIONS

- Systems with closed heat transfer circuits for:
 - Heat carrier or heat transfer fluids mineral oils, synthetic hydrocarbons...).
 - Pressurized high temperature hot water.
- All manufacturing or processing industries:
 - Chemicals, pharmaceuticals.
 - Food, textile, paper, leather.
 - Rubber, coloring, varnish.
 - Solar energy (greenhouses, swimming pools...).

ADVANTAGES

- Air cooling for hot water (+ 210°C) as well as for heat transfer fluids (+ 350°C).
- Flange and mating flanges with double tongue/recess ensure perfect seal for the pump regardless of the circulating liquid.
- Savings on water consumption: no supplementary water-cooling circuit necessary.
- Quick and easy installation: direct mounting on piping.
- Practically no maintenance required.

DESIGN

• Pump

Centrifugal, single-stage.

Monobloc assembly.

Impeller fitted directly to motor shaft.

DFF PN 25 flanges on pump casing.

Fin-cooler integrated in bedplate.

Spacer between pump and motor.

Shaft sealed by standardized mechanical seal.

Two versions:

Heat transfer fluids **GET-C**
 Superheated water **GET-E**

• Motor

With extended shaft end.

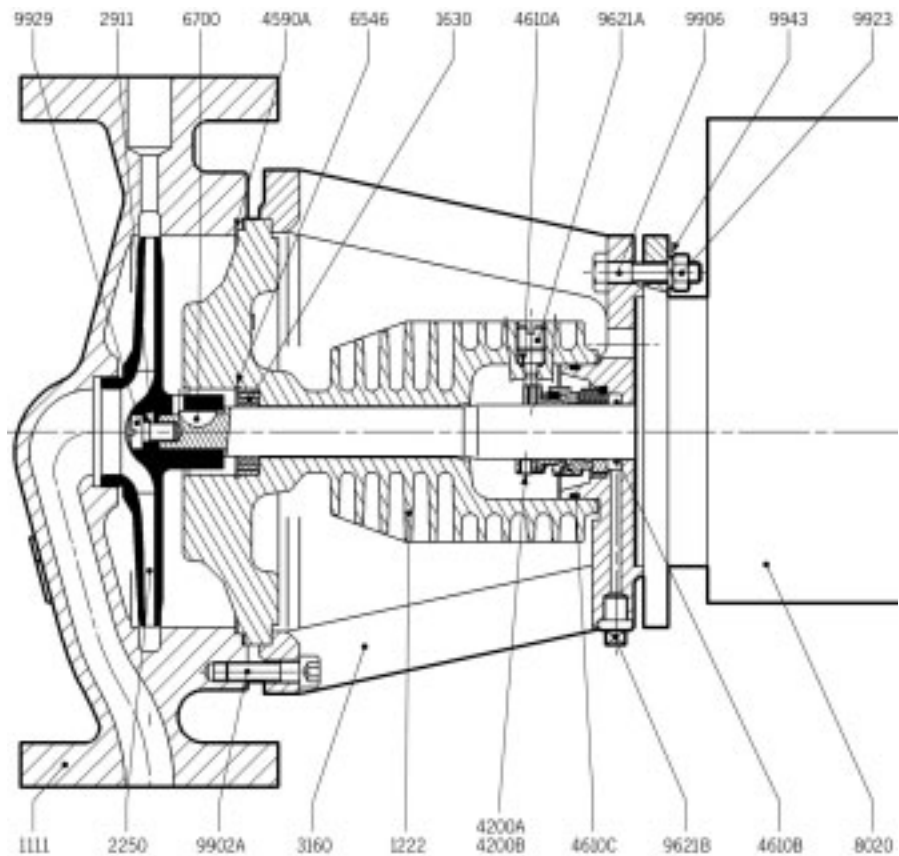
Rotation speed : 1450 rpm
 Winding 3-ph : 230-400 V
 Frequency : 50 Hz
 (optional 60 Hz)

Insulating category : F

Protection index : IP 55

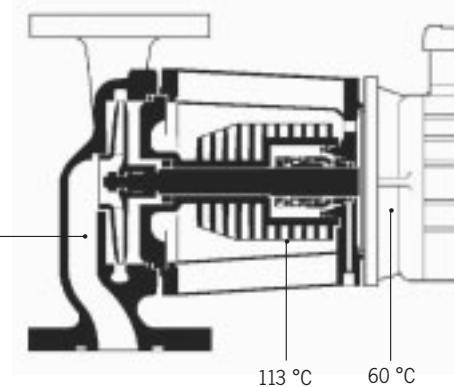
EC conformity : EN 809

SECTIONAL DRAWINGS



Temperatures measured in operation (ambient temp. + 25 °C).

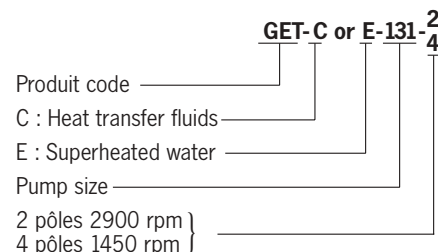
Heat transfer fluids 350 °C



STANDARD CONSTRUCTION

Main parts	Material
Pump casing	Steel 280-480 M
Closer impeller	Cast iron FGL 250
Bedplate and spacer	Cast iron GS 370-17
Shaft	Stainless steel Z6 CND 17-11
Mechanical seal	{ GET-E Graphite/Si Carbide/EP { GET-C Graphite/Si Carbide/Viton

IDENTIFICATION



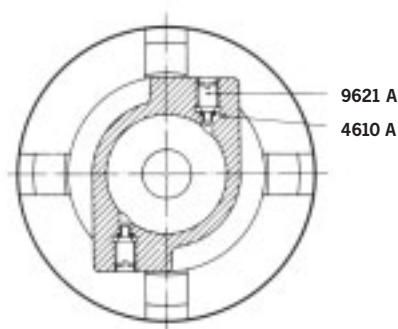
PARTS LIST

- 1111 - Pump casing
- 1222 - Endplate with packing box
- 1630 - Retaining ring
- 2250 - Closed impeller
- 2911 - Shaft end washer
- 3160 - Connecting spacer
- 4200A - Mechanical seal, GET E
- 4200B - Mechanical seal, GET C
- 4590A - Pump casing gasket
- 4610A - O-ring under bleed screw
- 4610B - Safety O-ring
- 4610C - End-spacer O-ring
- 6546 - Circlip
- 6700 - Impeller key
- 8020 - Motor with extended shaft end
- 9621A - Mechanical seal bleed screw
- 9621B - Plug
- 9902A - Screw (end-casing)
- 9902B - Screw (end-spacer)
- 9906 - Screw (spacer-motor)
- 9923 - Nut of screw 9906
- 9929 - Impeller nut (self-locking)
- 9943 - Washer under nut

(•) Recommended spare parts

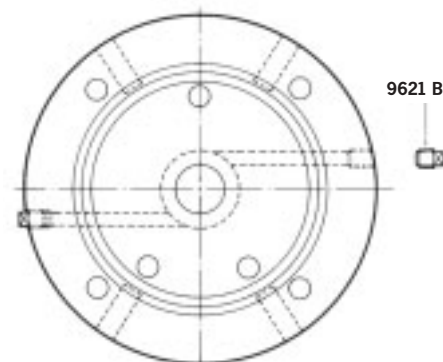
DETAILS

Endplate (1222)
with mechanical seal air bleed screw



Note
Mechanical seal bleed possible in any position.

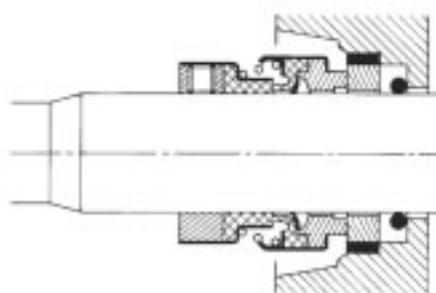
Spacer (3160)
with mechanical seal drip holes



Operating safety.
On the motor side of the spacer, a port enables detection of any leakages due to accidental deterioration of the mechanical seal. One of the two ports must always remain open.

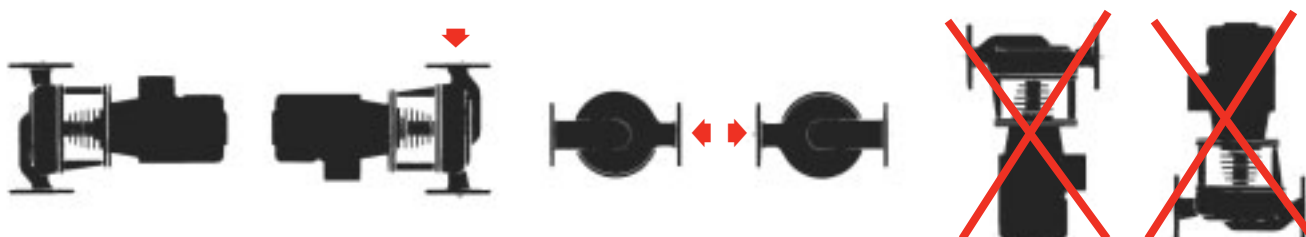
MECHANICAL SEAL

GET-E (4200 A) for superheated water and GET-C (4200 B) for heat transfer fluids



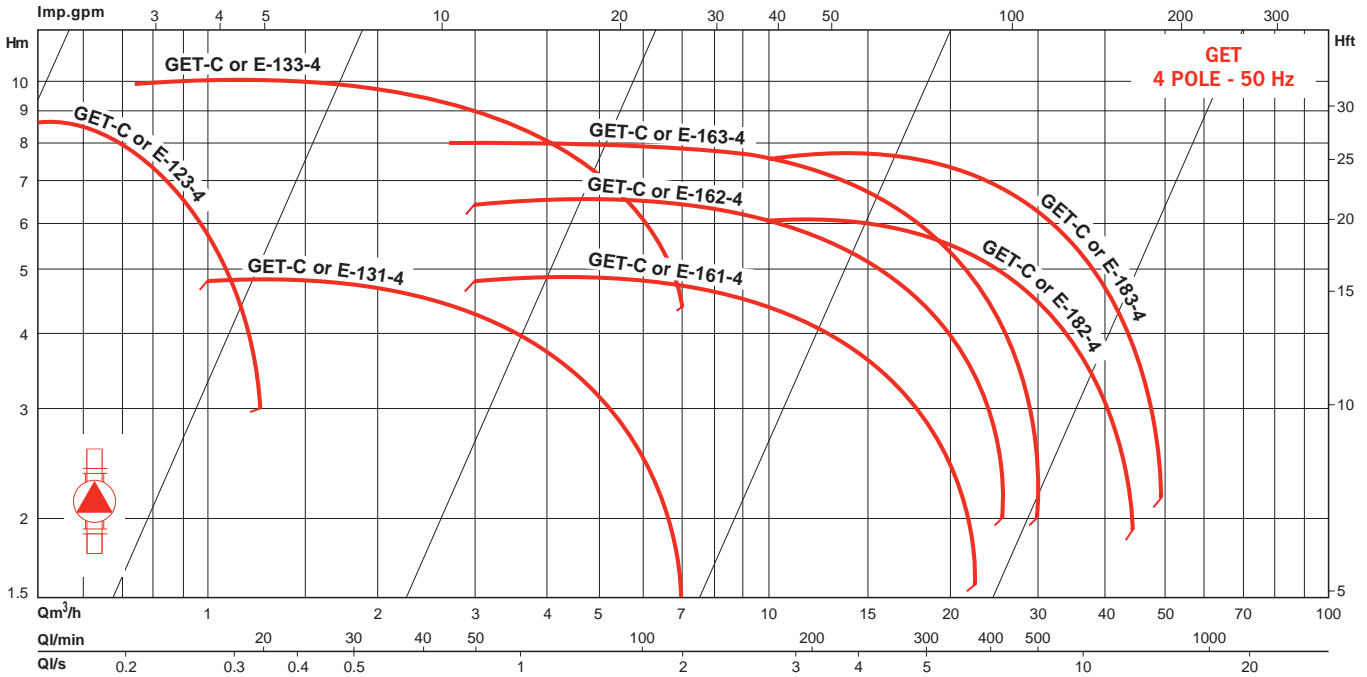
MOUNTING POSITIONS

(mounting on return pipe of heat generator)

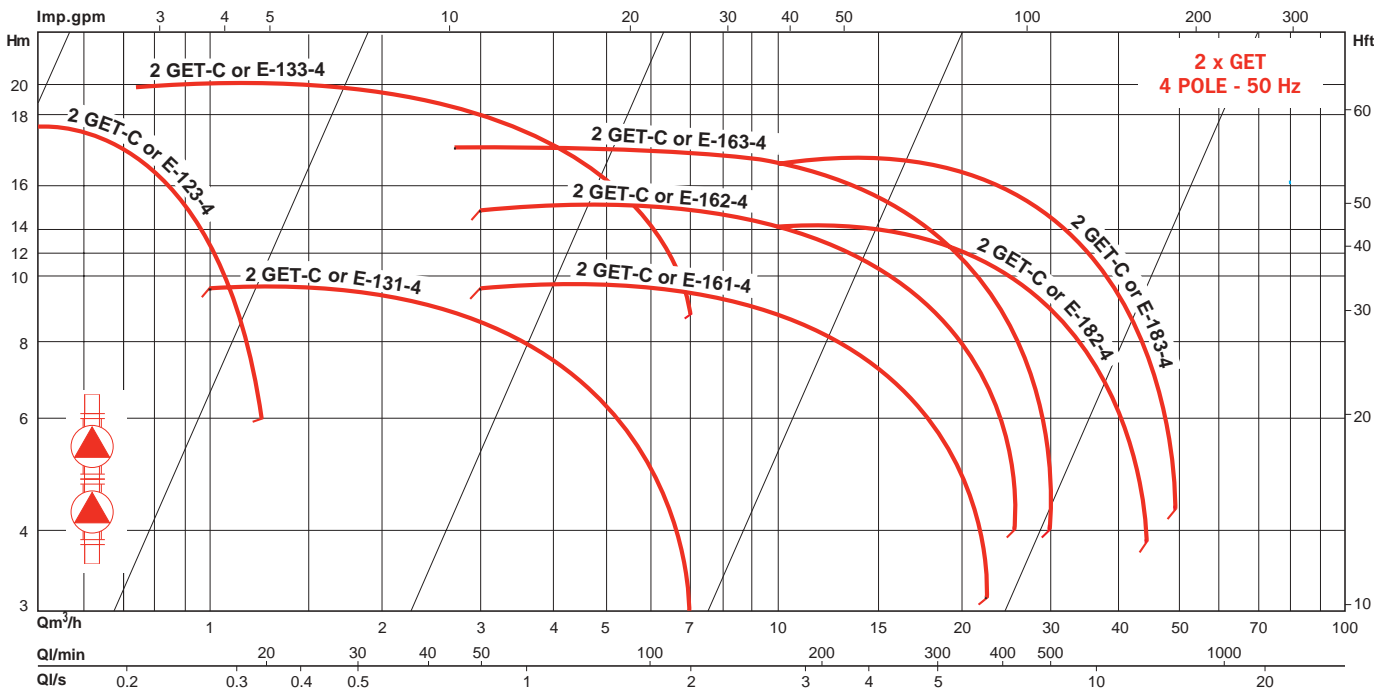


HYDRAULIC PERFORMANCES AT 1450 RPM

One pump in operation.

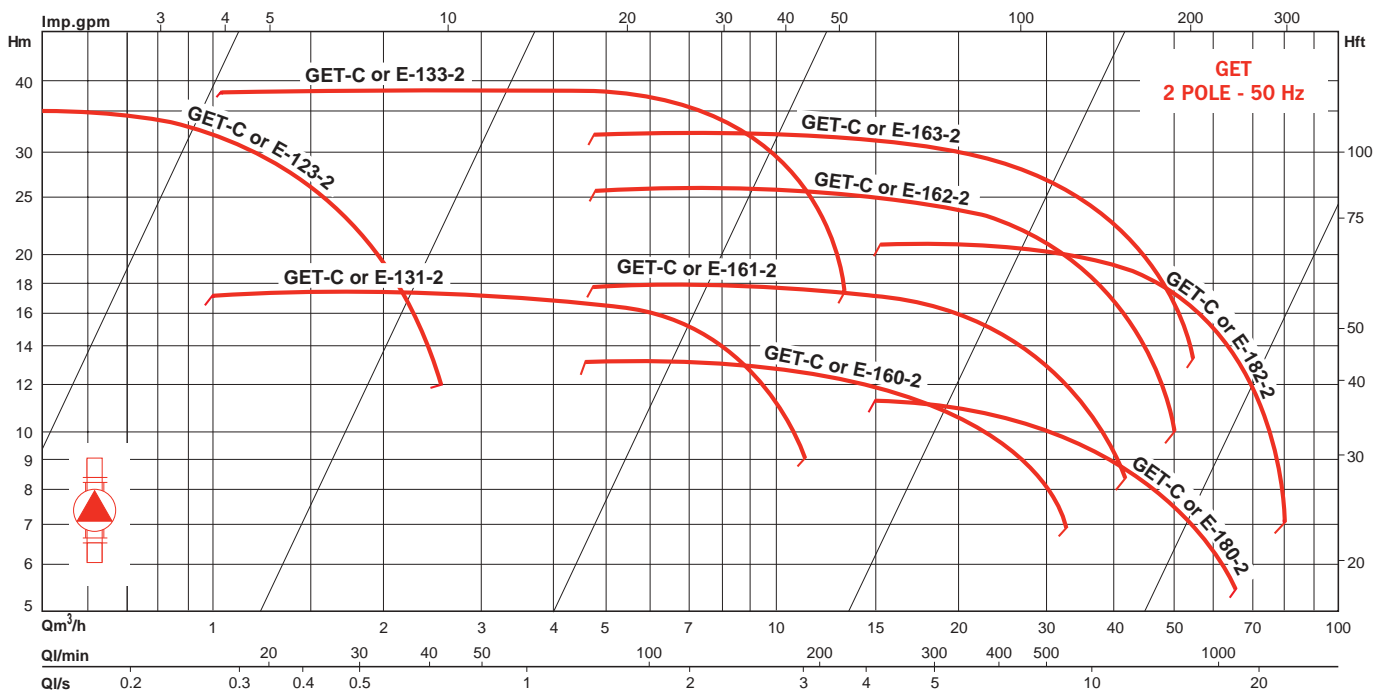


2 PUMPS FITTED IN SERIES } for 2 pumps operating in series, take total pressure and fluid temperature into account.

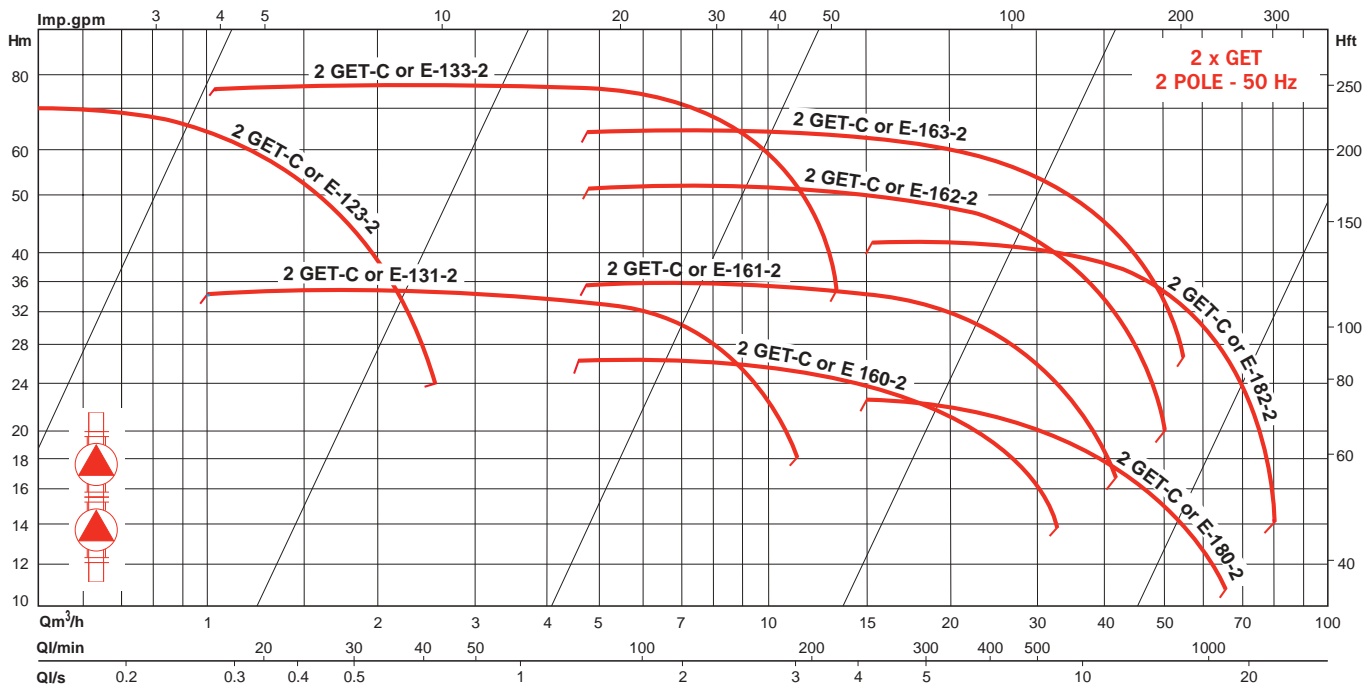


HYDRAULIC PERFORMANCES AT 2900 RPM

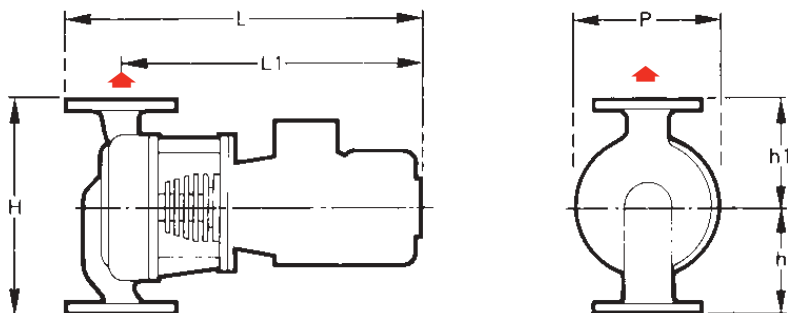
One pump in operation.



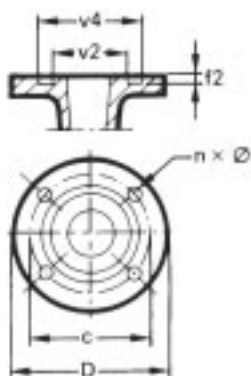
2 PUMPS FITTED IN SERIES } for 2 pumps operating in series, take total pressure and fluid temperature into account.



ELECTRICAL DATA AND DIMENSIONS



Suction-discharge flanges (DFF)
PN25



FEATURES

a) Electrical data

- All types: 3-ph 230-400V-50 Hz.
- Motor must be protected by circuit breaker.

b) Installation

- Direct on pipe.
 - Motor shaft always horizontal.
- Connection to the installation:
- Use CF round, counter-flanges with fitting male (DFM).

c) Packaging

- Supplied with CF-DFM, gaskets and bolts.

d) Maintenance

- Repair: see recommended spare parts (x) subject to wear.

OPTIONS & ACCESSORIES

- Motor safety circuit breaker.
- Pressure gauge kit.
- Solating valves.
- Check valve...

ORDER REFERENCE	motor		full-load current		H mm	L max. mm	P mm	L1 mm	h mm	h1 mm	ND of ports	flanges DFF - PN 25 double fitting female						mass kg	supplied with CF-DFM for pipe Ø
	P2 kW	rpm	3-ph 230 V	3-ph 400 V								D mm	c mm	holes n x Ø	v2 mm	v4 mm	f2 mm		
GET-C or E-123-2	1.1	2825	4.5	2.6	290	470	210	417	145	145	20	105	75	4 x 14	35	51	3	39.5	20-27
GET-C or E-123-4	0.37	1425	1.94	1.12	290	438	210	385	145	145	20	105	75	4 x 14	35	51	3	36.5	20-27
GET-C or E-131-2	0.75	2800	3.3	1.9	260	472	177	402	130	130	32	140	100	4 x 18	50	66	3	34.5	33-42
GET-C or E-131-4	0.18	1410	1.1	0.62	260	440	177	370	130	130	32	140	100	4 x 18	50	66	3	31.5	33-42
GET-C or E-133-2	2.2	2850	7.62	4.4	260	547	225	477	130	130	32	140	100	4 x 18	50	66	3	49	33-42
GET-C or E-133-4	0.37	1425	1.94	1.12	260	465	225	395	130	130	32	140	100	4 x 18	50	66	3	38	33-42
GET-C or E-160-2	2.2	2850	7.62	4.4	370	560	220	467	200	170	65	185	145	8 x 18	94	110	3	65.5	66-76
GET-C or E-161-2	2.2	2850	7.62	4.4	370	560	220	467	200	170	65	185	145	8 x 18	94	110	3	65.5	66-76
GET-C or E-161-4	1.1	1415	4.7	2.7	370	533	220	440	200	170	65	185	145	8 x 18	94	110	3	61.5	66-76
GET-C or E-162-2	4	2840	14.2	8.2	400	595	228	503	210	190	65	185	145	8 x 18	94	110	3	76.5	66-76
GET-C or E-162-4	1.1	1415	4.7	2.7	400	533	228	440	210	190	65	185	145	8 x 18	94	110	3	61	66-76
GET-C or E-163-2	4	2840	14.2	8.2	400	595	228	503	210	190	65	185	145	8 x 18	94	110	3	76.5	66-76
GET-C or E-163-4	1.1	1415	4.7	2.7	400	533	228	440	210	190	65	185	145	8 x 18	94	110	3	61	66-76
GET-C or E-180-2	2.2	2850	7.62	4.4	400	572	239	472	210	190	80	200	160	8 x 18	105	121	3	72.5	82-89
GET-C or E-182-2	4	2840	14.2	8.2	430	607	273	507	225	205	80	200	160	8 x 18	105	121	3	91	82-89
GET-C or E-182-4	1.1	1415	2.7	4.7	430	545	273	445	225	205	80	200	160	8 x 18	105	121	3	70	82-89
GET-C or E-183-4	1.1	1415	2.7	4.7	430	545	273	445	225	205	80	200	160	8 x 18	105	121	3	75.5	82-89