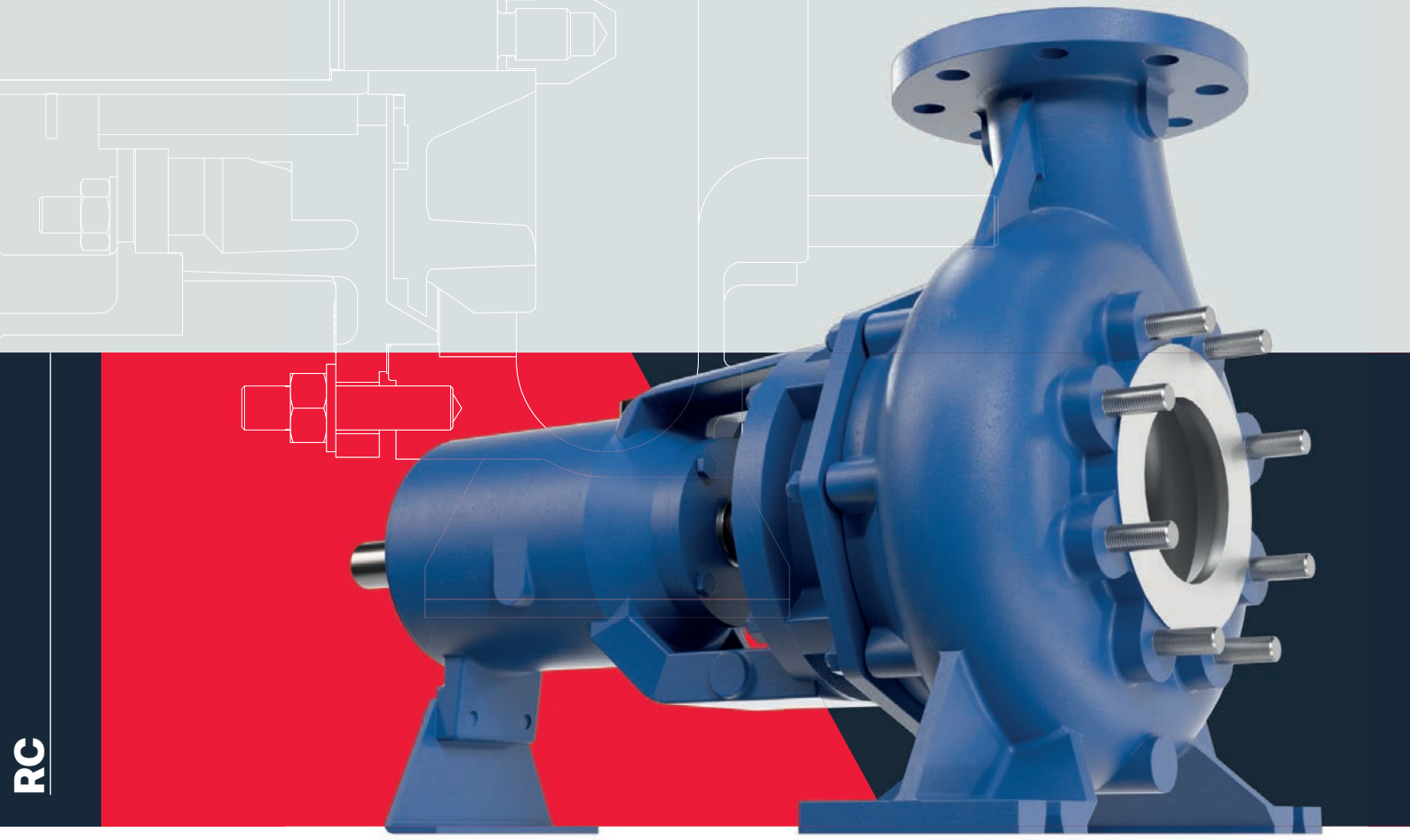
RC

GIRANTE VORTEX
VORTEX IMPELLER

EN ISO 5199



RC

SALVATORE
ROBUSCHI
PUMPS

Le pompe centrifughe della serie RC sono pompe monostadio con girante posizionata in modo arretrato all'interno del corpo. Questa configurazione consente alla maggior parte del liquido di attraversare la pompa senza entrare direttamente in contatto con la girante.

Tale caratteristica offre notevoli vantaggi sia nel trasportare, senza causare danni, elementi come cristalli, solidi delicati, prodotti vegetali, fiocchi di fanghi biologici e parti di pellame, sia nel convogliare solidi lunghi e filamentosi senza rischio di intasamenti.

La girante vortex è in grado di gestire miscele contenenti fino al 40% di gas o aria, rendendo queste pompe adatte per applicazioni in cui l'arrivo del liquido è altamente discontinuo.

Le pompe RC si distinguono per le loro prestazioni eccellenti anche nel trasferimento di prodotti viscosi con viscosità fino a 1.000 cPs.

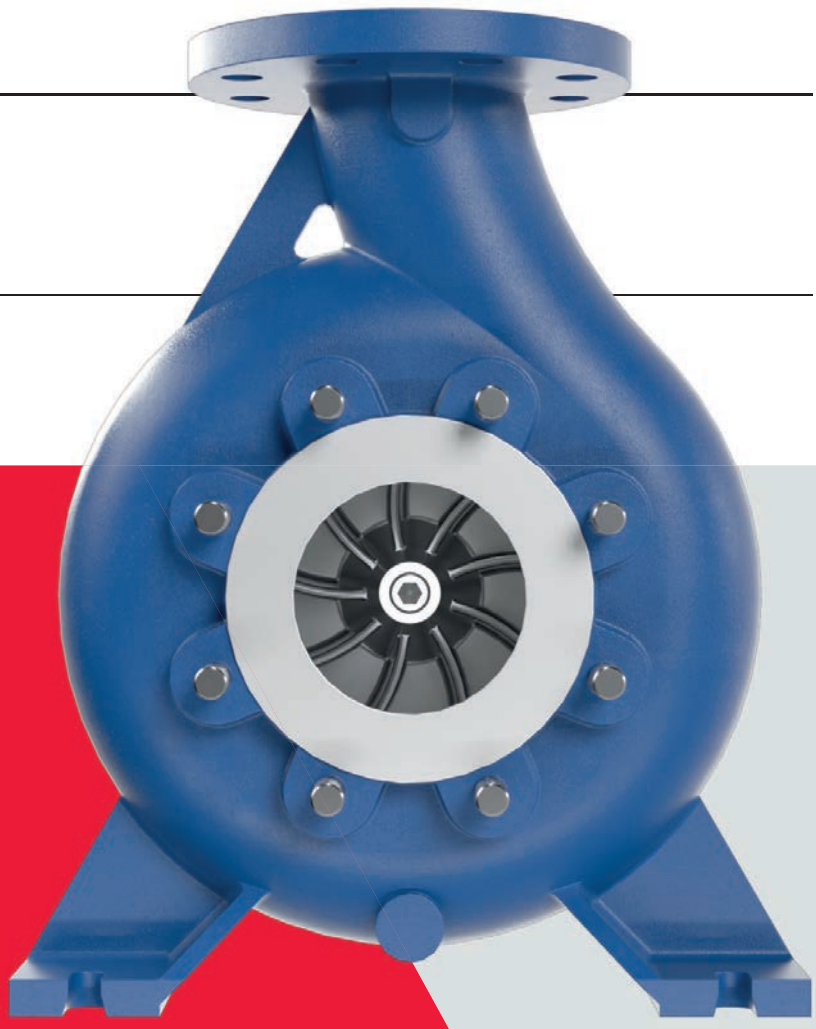
Centrifugal pumps belonging to the RC series are single-stage pumps with a rearward impeller within the casing. This configuration allows most of the liquid to pass through the pump without coming into direct contact with the impeller.

This feature offers significant advantages in transporting various elements such as crystals, delicate solids, agricultural products, biological sludge flakes, and leather residues without causing damage, as well as in conveying long and filamentous solids without the risk of clogging.

The vortex impeller is capable of handling mixtures containing up to 40% of gas or air, making these pumps suitable for applications where the suction of the liquid is highly intermittent.

RC pumps are known for their excellent performance even in transferring sticky products with viscosities up to 1,000 cPs.

RC



IMPIEGHI

• **Industria alimentare** per trasferimento di liquidi con solidi sospesi, frutta e ortaggi, fanghi, pietre, erba, ecc.

• **Industria saccarifera**

• **Trattamento acque** per liquidi con solidi sospesi anche filamentosi, fanghi biologici e flocculati, sedimentatori.

• **Impianti biogas**

• **Industria cartaria** per sospensioni e paste non raffinate.

• **Industria chimica** per cristallizzatori, trasferimenti, lavaggi e recuperi di sostanze solide o ad alta viscosità.

• **Industria tessile** e **conciaria** per bagni chimici con sospensione di solidi e filamenti.

PASSAGGIO LIBERO

La gamma comprende pompe con bocche di mandata fino a 250 mm con passaggio libero di 150 mm.

MODULARITÀ

4 diversi gruppi di supporto cuscinetti per 18 diverse taglie.

USE

• ***Food industry*** *to transfer liquids with suspended solids, fruit and vegetables, sludge, stones, grass, etc.*

• ***Sugar industry***

• ***Water treatment*** *for liquids with suspended solids, also filamentous, biological sludge, flocculated sludge, clarifier.*

• ***Biogas plants***

• ***Paper industry*** *for suspended solids and not refined pulps.*

• ***Chemical industry*** *for crystallizers, transfer, washing and solids or high viscosity substances recovery.*

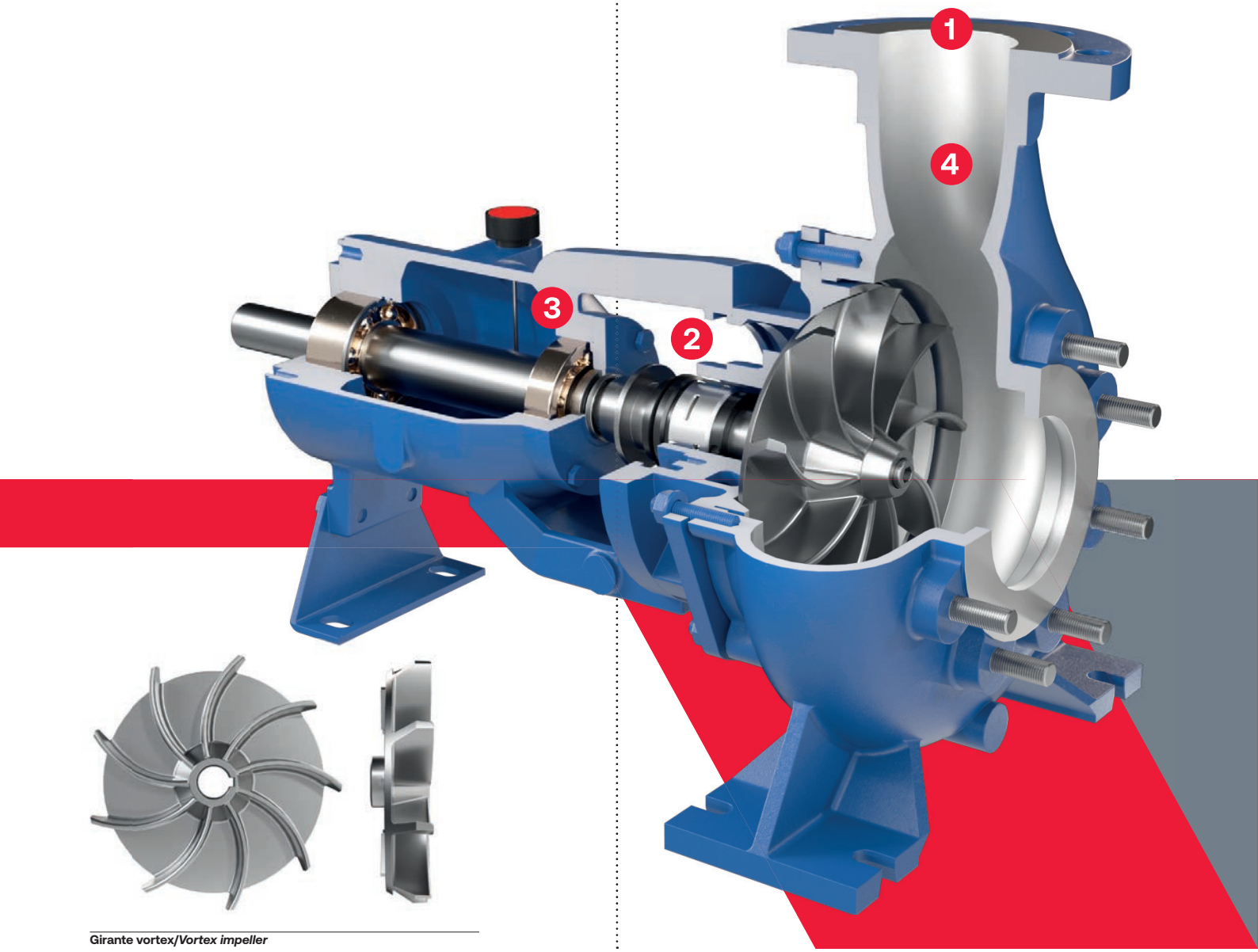
• ***Textile*** *and* ***tannery industry*** *for chemical baths with suspended solids and filaments.*

FREE PASSAGE

The serie includes pumps with a discharge port up to 250mm and free passage of 150 mm.

MODULARITY

4 different groups of bearing housing for 18 different sizes.



Girante vortex/*Vortex impeller*

1

GRANDE PASSAGGIO LIBERO

Passaggio libero fino al 90% del diametro della bocca di mandata: grazie alla sua disposizione arretrata, la girante consente un passaggio di corpi solidi sferici fino al 90% del diametro della bocca di mandata (vedere tabelle tecniche per ulteriori dettagli). Solidi filamentosi e di notevole lunghezza attraversano la pompa senza causare ostruzioni.

FREE PASSAGE OF BIG SOLIDS

Free passage up to 90% of the discharge port diameter: Thanks to its recessed arrangement, the impeller allows the passage of spherical solid bodies up to 90% of the discharge port diameter (see technical tables for further details). Long and filamentary solid pass through the pump without any risk of clogging.

2

1 SOLO COPERCHIO, 12 SISTEMI DI TENUTA

Per ciascuna grandezza esiste un unico coperchio in grado di accogliere qualsiasi tipo, marca e soluzione di tenuta.
La camera di tenuta è stata dimensionata per garantire un'adeguata ed efficace circolazione del liquido.
Sostituendo pochi componenti è possibile modificare facilmente l'esecuzione del sistema di tenuta, adattando velocemente la pompa ad eventuali nuove esigenze di impianto o processo e riducendo così il magazzino ricambi.
Tenute meccaniche secondo standard EN 12756.

1 CASING COVER, 12 SEAL ARRANGEMENTS

For every size of pump, a unique casing can hold any kind, brand and choice of seal.
The seal chamber dimensions are designed to guarantee an efficacious and correct liquid circulation.
By changing a few components, the seal arrangement can be easily modified, thus making the pump ready for new plant or process requirements and reducing the spares stock.
Mechanical Seals comply with EN 12756 standard.

3

SUPPORTO HEAVY DUTY EN ISO 5199

Il supporto cuscinetti è unificato secondo EN ISO 5199 e garantisce flessioni dell'albero < 0,05 mm e un minimo di 18.000 ore di funzionamento. E' studiato per ripartire al meglio i carichi assiali e radiali in modo da ridurre drasticamente le temperature di esercizio.
Tutti i supporti sono predisposti per ospitare la versione pesante "HD" equipaggiata con cuscinetti accoppiati a contatto obliquo e cuscinetto a rulli.
La serie contempla anche supporti maggiorati per funzionamento fino a 100.000 ore.

HEAVY DUTY BEARING HOUSING EN ISO 5199

The bearing housing is standardized according to EN ISO 5199 and guarantees a shaft deflection < 0,05 mm and a minimum of 18.000 working hours. It is designed to optimize axial and radial thrusts as to drastically reduce operating temperatures.
All bearing housings are suitable to host the heavy duty version "HD" which is equipped with angular contact bearings and roller bearings.
These series also include a stronger bearing housing able to operate up to 100.000 working hours.

4

DESIGN DEL CORPO

L'assenza di interruzioni nelle superfici interne del corpo pompa previene la formazione di zone di accumulo e i componenti più soggetti all'usura sono stati dimensionati con cura per garantire prestazioni durevoli e affidabili nel tempo.

CASING DESIGN

The inner smooth surface of the pump casing avoids material build-up and dimensions of components prone to wear have been accurately studied to guarantee a long-lasting and reliable performance.

- Dimensioni bocca di mandata
  Da DN 32 a DN 250
- Pressione massima di esercizio
  10 bar
- Portata
  Fino a 800 m3/h
- Prevalenza
  Fino a 60 m
- Temperatura
  Fino a 220°C in funzione del liquido pompato
- Flange
  EN 1092 PN10, a richiesta forate ANSI B16.5 150
- Materiali
  Standard: Ghisa, AISI 316
  A richiesta: Superduplex, AISI 904L
  e altre leghe

- *Discharge sizes*
  From DN 32 to DN 250
- *Maximum working pressure*
  10 bar
- *Flow rate*
  Up to 800 m^3/h
- *Differential head*
  Up to 60 m
- *Temperature*
  Up to 220°C according to the pumped liquid
- *Flanges*
  EN 1092 PN10, on request ANSI B16.5 150 drilled
- *Materials*
  Standard: Cast Iron, AISI 316
  On request: Superduplex, AISI 904L
  and other alloys

Sigla di identificazione
Identification mark

Girante vortex
Vortex impeller

1	2	3	4	5	6	7	8	9
RCB	80 20	A	4	A75	C	181	3	/A

1 Esecuzione pompa

RCB	Pompa asse nudo/asse nudo su base
RCL	Pompa lanternata
RCM	Pompa monoblocco

2 Grandezza pompa

80-20	
80	Diametro bocca di mandata (mm)
20	Diametro Nominale Girante (cm)

3 Riduzione girante

A	Diametro massimo
B	1° riduzione
C	2° riduzione
AR	Riduzione intermedia (tra A e B)

4 Polarità motore

0000	Pompa asse nudo senza base
2	Motore elettrico a 2 poli
4	Motore elettrico a 4 poli
6	Motore elettrico a 6 poli
8	Motore elettrico a 8 poli

5 Potenza motore elettrico

0000	Pompa asse nudo senza base
A	0,25-0,75 kW
B	1,1-9,2 kW
C	11-90 kW
D	110-400 kW

A					
kW	0,25	0,37	0,55	0,75
Cod	**A25**	**A37**	**A55**	**A75**

B								
kW	1,1	1,5	2,2	3,0	4,0	5,5	7,5	9,2
Cod	**B11**	**B15**	**B22**	**B30**	**B40**	**B55**	**B75**	**B92**

C										
kW	11	15	18,5	22	30	37	45	55	75	90
Cod	**C11**	**C15**	**C18**	**C22**	**C30**	**C37**	**C45**	**C55**	**C75**	**C90**

D										
kW	110	132	160	200	225	250	280	315	355	400
Cod	**D11**	**D13**	**D16**	**D20**	**D22**	**D25**	**D28**	**D31**	**D35**	**D40**

6 Sistema di tenuta

Esecuzione U	Tenuta meccanica singola
Esecuzione B	Tenuta a baderna senza flussaggio
Esecuzione S	Tenuta a baderna con flussaggio (solo in ingresso)
Esecuzione H	Camera di riscaldamento o raffreddamento
Esecuzione C	Tenuta meccanica doppia contrapposta
Esecuzione L	Tenuta meccanica doppia in tandem
Esecuzione A	Tenuta meccanica singola con bussola di fondo

7 Codice tenuta meccanica primaria

Nota
Per esecuzioni B e S = 000
Per esecuzione K = 999
H dopo codice tenuta indica camera riscaldamento o raffreddamento corpo

8 Codice componenti principali della pompa

Per maggiori dettagli vedere la tabella T-2177 Codifica materiali

9 Indice di revisione idraulica

1 *Pump arrangement*

RCB	*Bare shaft pump/bare shaft pump on base*
RCL	*Lantern bracket pump*
RCM	*Close coupled pump*

2 *Pump size*

80-20	
80	*Discharge port diameter (mm)*
20	*Nominal impeller diameter (cm)*

3 *Impeller trim*

A	*Maximum diameter*
B	*1° trim*
C	*2° trim*
AR	*Intermediate trim (between A and B)*

4 *Motor polarity*

0000	*Bare shaft pump without base*
2	*2 poles electric motor*
4	*4 poles electric motor*
6	*6 poles electric motor*
8	*8 poles electric motor*

5 *Electric motor power*

0000	*Bare shaft pump without base*
A	*0.25-0.75 kW*
B	*1.1-9.2 kW*
C	*11-90 kW*
D	*110-400 kW*

6 *Sealing system*

U Arrangement	*Single mechanical seal*
B Arrangement	*Gland packing without flushing*
S Arrangement	*Gland packing with flushing (inlet only)*
H Arrangement	*Heating or cooling chamber*
C Arrangement	*Double back to back mechanical seal*
L Arrangement	*Double tandem mechanical seal*
A Arrangement	*Single mechanical seal with throttle bushing*

7 *Primary mechanical seal Code*

Note
For B and S executions = 000
For K execution = 999
H after mechanical seal code means casing heating or cooling chamber

8 *Identification code for pump's parts*

For more details see table T-2177 Materials code

9 *Hydraulic release index*

Dati tecnici
Technical features

Girante vortex
Vortex impeller

Descrizione *Description*	Unità di misura *Unity of measurement*	Grandezze *Size* 32-16	50-16	32-20	50-20	65-20	80-20	80-20S	50-25	80-25	100-25	125-25	80-31	125-31	150-31	150-35	200-35	250-35
Gruppo supporto *Bearing housing group*		GR1			GR2								GR3			GR4		
Girante ***Impeller***																		
Passaggio sferico RC *Max. sphere RC*	mm	20	40	20	40	55	70	50	45	70	95	115	60	95	120	110	125	150
Momento di inerzia J[(a)] *Moment of inertia J[(a)]*	kgm²	5,6	5,6	19,4	19,4	19,4	19,4	38	35,4	59,9	59,9	59,9	163	218	320	378	378	378
Cassa stoppa ***Seal chumber***																		
Diametro interno *Internal Diameter*	mm	55			68								80			100		
Diametro tenuta meccanica *Mechanical seal diameter*	mm	33			43								53			70		
Camera di raffreddamento ***Cooling jacket***																		
Pressione massima *Maximum pressure*	bar	3			3								3			3		
Pressione di prova *Maximum hydrostatic pressure*	bar	4,5			4,5								4,5			4,5		
Connessioni *Connections holes*		G.1/4			G.3/8								G.3/8			G.3/8		
Supportazione standard ***Standard bearings***																		
Lato pompa *Pump side*		6305			6307								6310			6313		
Lato motore *Motor side*		6305			3307								3310			3312		
Supportazione pesante 1 ***Heavy Duty Bearings 1***																		
Lato pompa *Pump side*		6305			NJ307								NJ310			NJ313		
Lato motore *Motor side*		3305			2x7307								2x7310			2x7313		
Supportazione pesante 2 ***Heavy Duty Bearings 2***																		
Lato pompa *Pump side*		NJ305			-								-			-		
Lato motore *Motor side*		2x7305			-								-			-		

(a) Dividi per 1.000 per ottenere il momento di inerzia J in kgm²
Divide by 1.000 to obtain the moment of inertia J in kgm²

Per condizioni di lavoro diverse, consultate il nostro servizio tecnico commerciale.
Please contact SR pumps representative for specific working condition.

Limiti di pressione e di temperatura

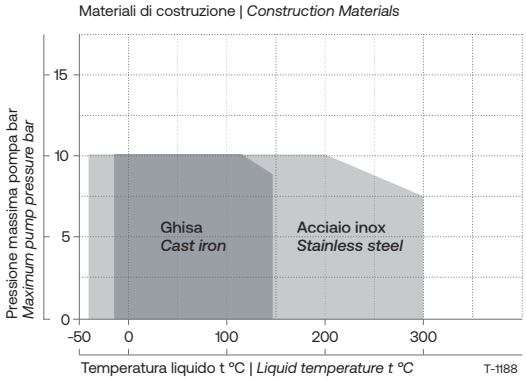
Pressure and Temperature Limits

In presenza di rischi significativi di corrosione, i limiti di pressione potrebbero essere inferiori rispetto a quelli indicati.

Per applicazioni con requisiti di lavoro diversi, contattare il nostro servizio tecnico commerciale per valutare le condizioni operative ottimali.

If there is a considerable risk of corrosion, pressure limits could be lower than those displayed

Please contact SR technical service for applications with different working requirements, in order to define the best operational conditions.



Descrizione	*Description*	Codice materiale pompa | *Pumps material code*							
		0	1	2	3	4	5	6	7
Corpo	*Casing*	GJL 250	GJL 250	GJL 250	CF8M (AISI 316)	GJL 250	CF3M (AISI 316L)	AISI 904L	SAF 2205
Coperchio del corpo	*Casing cover*	GJL 250	GJL 250	GJL 250	CF8M (AISI 316)	GJL 250	CF3M (AISI 316L)	AISI 904L	SAF 2205
Girante	*Impeller*	GJL250/ GJS400	GJL250/ GJS400	CF8M (AISI 316)	CF8M (AISI 316)	CF8M (AISI 316)	CF3M (AISI 316L)	AISI 904L	SAF 2205
Albero gruppo 1-2	*Shaft group 1-2*	AISI 316L	AISI 420	AISI 316L	AISI 316L	AISI 420	AISI 316L	AISI 316L(*)	AISI 316L(*)
Albero gruppo 3-4-5	*Shaft group 3-4-5*	C45(*)	C45(*)	C45(*)	C45(*)	C45(*)	C45(*)	C45(*)	C45(*)
Albero monoblocco	*Shaft close couple pump*	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L(*)	AISI 316L(*)
Camicia albero	*Shaft sleeve*	AISI 316L	AISI 420	AISI 316L	AISI 316L	AISI 420	AISI 316L	AISI 904L	SAF2507
Piede sostegno	*Support foot*	S 235 JR	S 235 JR	S 235 JR	S 235 JR	S 235 JR	S 235 JR	S 235 JR	S 235 JR
Supporto	*Bearing housing*	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200
Lanterna	*Lantern bracket*	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR
Coperchio tenuta singola	*Single mechanical seal cover*	GJL 250	GJL 250	GJL 250	AISI 316L	GJL 250	AISI 316L	AISI 904L	SAF 2507 SAF 2205
Coperchio tenuta doppia	*Double mechanical seal cover*	C40	C40	C40	AISI 316L	C40	AISI 316L	AISI 316L	AISI 316L
Ogiva girante	*Impeller hub*	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 904L	SAF 2205
Anello usura	*Wear ring*	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 904L	SAF 2205
Piastra usura	*Wear plate*	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 904L	SAF 2205

(*) Non in contatto con liquido pompato
(*) *Not in contact with pumped liquid*

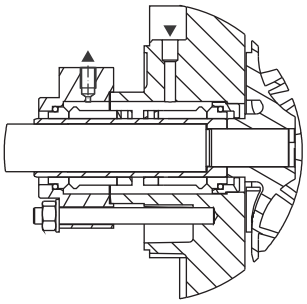
Descrizione	*Description*	Codice materiale pompa | *Pumps material code*							
		8	9	A	B	C	D	E	S
Corpo	*Casing*	SAF2507	HASTELLCY B	HASTELLCY C	CF3M (AISI 316L)	CF8M (AISI 316)	AISI 329	SANICRO 28	ON DEMAND
Coperchio del corpo	*Casing cover*	SAF2507	HASTELLCY B	HASTELLCY C	CF3M (AISI 316L)	CF8M (AISI 316)	AISI 329	SANICRO 28	ON DEMAND
Girante	*Impeller*	SAF2507	HASTELLCY B	HASTELLCY C	CF3M (AISI 316L)	CF8M (AISI 316)	AISI 329	SANICRO 28	ON DEMAND
Albero gruppo 1-2	*Shaft group 1-2*	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	ON DEMAND
Albero gruppo 3-4-5	*Shaft group 3-4-5*	C45(*)	C45(*)	C45(*)	C45(*)	C45(*)	C45(*)	C45(*)	ON DEMAND
Albero monobloccco	*Shaft close couple pump*	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	AISI 316L(*)	ON DEMAND
Camicia albero	*Shaft sleeve*	SAF2507	HASTELLCY B	HASTELLCY C	AISI 304L	AISI 304	AISI 329	AISI 904L	ON DEMAND
Piede sostegno	*Support foot*	S 235 JR	S 235 JR	S 235 JR	S 235 JR	S 235 JR	S 235 JR	S 235 JR	ON DEMAND
Supporto	*Bearing housing*	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200	GJL 200
Lanterna	*Lantern bracket*	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR	GJL200/ GJL250/ S 235 JR
Coperchio tenuta singola	*Single mechanical seal cover*	SAF2507	HASTELLCY B	HASTELLCY C	CF8M (AISI 304)	CF8M (AISI 304)	AISI 329	AISI 904L SANICRO 28	ON DEMAND
Coperchio tenuta doppia	*Double mechanical seal cover*	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	ON DEMAND
Ogiva girante	*Impeller hub*	SAF2507	HASTELLCY B	HASTELLCY C	AISI 304L	AISI 304	AISI 329	AISI 904L	ON DEMAND
Anello usura	*Wear ring*	SAF2507	HASTELLCY B	HASTELLCY C	AISI 304L	AISI 304	AISI 329	SANICRO 28	ON DEMAND
Piastra usura	*Wear plate*	SAF2507	HASTELLCY B	HASTELLCY C	AISI 304L	AISI 304	AISI 329	SANICRO 28	ON DEMAND

(*) Non in contatto con liquido pompato
(*) *Not in contact with pumped liquid*

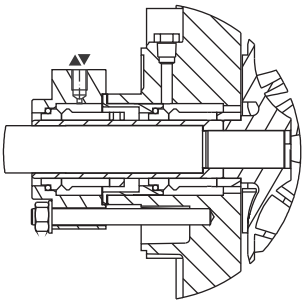
Dati tecnici
Technical features

Girante vortex
Vortex impeller

Esecuzione C
C execution



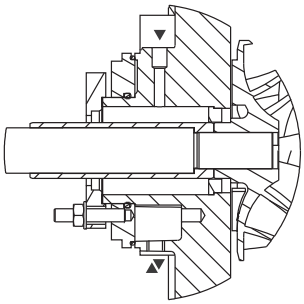
Esecuzione L
L execution



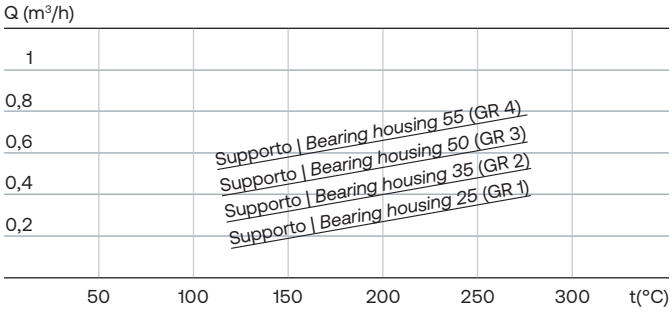
Flussaggio tenuta meccanica doppia esecuzione C - L
Double mechanical seal flushing C - L exec.

Supporto *Bearing housing*	Dia. ten. mecc. *Mech. seal dia.* (mm)	Portata flussaggio *Flushing capacity* (l/min)		P di flussaggio *Flushing pressure* (bar)	
		2900 rpm	1450 rpm	C	L
GR1	33	1,4	0,7	0,5 > p mandata *0.5 > discharge p*	< 0.3
GR2	43	2	1		
GR3	53	3	1,5		
GR4	70	4	2		

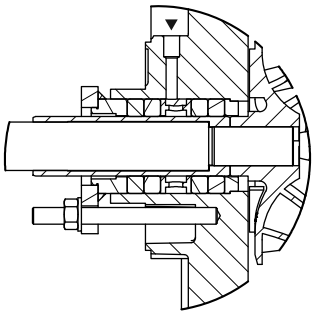
Esecuzione H
H execution



Flussaggio camera di raffreddamento esecuzione H
Cooling chamber flushing H execution



Esecuzione S
S execution



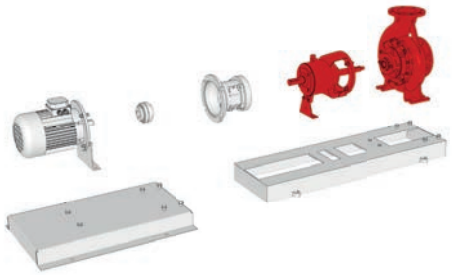
Flussaggio tenuta a baderna esecuzione S
Packing gland seal flushing S exec.

Supporto *Bearing housing*	Dia. ten. mecc. *Mech. seal dia.* (mm)	Portata flussaggio *Flushing capacity* (l/min)		P di flussaggio *Flushing pressure* (bar)
		2900 rpm	1450 rpm	S
GR1	33	1,4	0,7	0,5 > p mandata *0.5 > discharge p*
GR2	43	2	1	
GR3	53	3	1,5	
GR4	70	4	2	

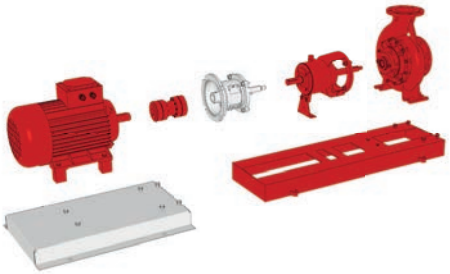
Esecuzioni modulari
Modular arrangements

Girante vortex
Vortex impeller

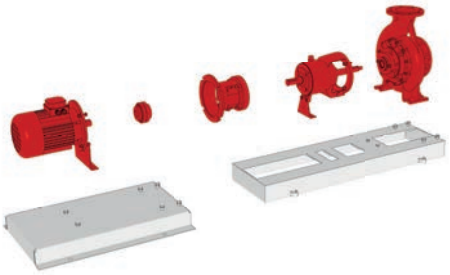
Asse nudo
Bare shaft



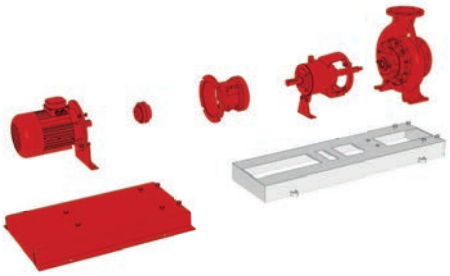
Asse nudo su base
Bare shaft on base



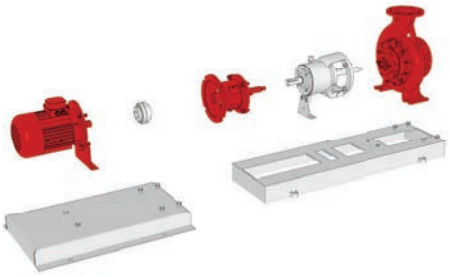
Lanternata
Lantern bracket



Lanternata su base
Lantern bracket on base



Monoblocco
Close-coupled



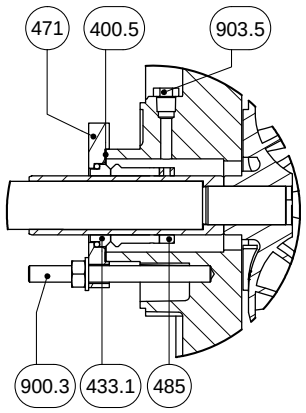
Parti in rosso usate per l'esecuzione
Red color parts used in the arrangement.

Dispositivi di tenuta e raffreddamento (o riscaldamento)
Sealing and cooling (or heating) device

Girante vortex
Vortex impeller

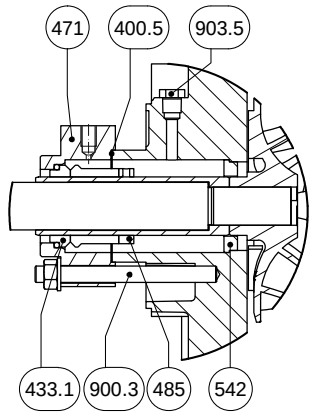
Tenuta meccanica singola
Single mechanical seal

Exec. M



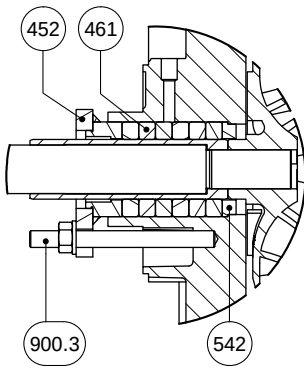
Singola flussata (con/senza bussola di fondo)
Single with flushing (with/without throttle-bush)

Exec. A-E



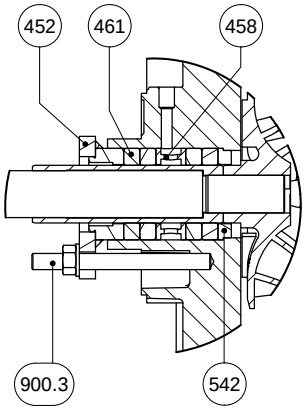
Tenuta a baderna
Packing gland

Exec. B



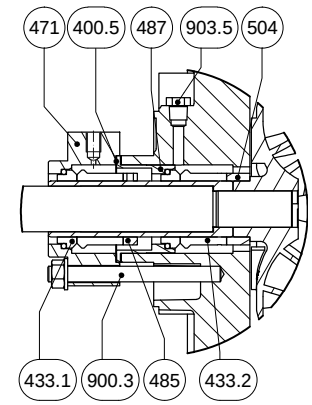
Tenuta a baderna flussata
Packing gland with flushing

Exec. S



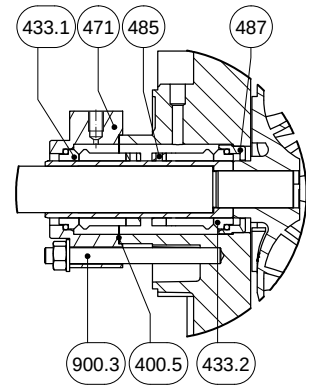
Tenuta meccanica doppia in tandem
Double tandem mechanical seal

Exec. L



Tenuta meccanica doppia contrapposta
Double back to back mechanical seal

Exec. C



N.	Descrizione	*Description*
165	Coperchio camera di raffreddamento	*Cooling chamber cover*
400.5	Guarnizione piana	*Seal plate gasket*
412.1	O-ring	*O-ring*
412.9	O-ring	*O-ring*
433.1	Tenuta meccanica L.C.	*Mechanical seal D.S.*
433.2	Tenuta meccanica L.O.C.	*Mechanical seal N.D.S.*
433.4	Paraolio	*Lipseal*
433.5	Quench	*Quench*
452	Premitreccia	*Packing gland*
458	Anello idraulico	*Lantern ring*
461	Baderna	*Packing ring*

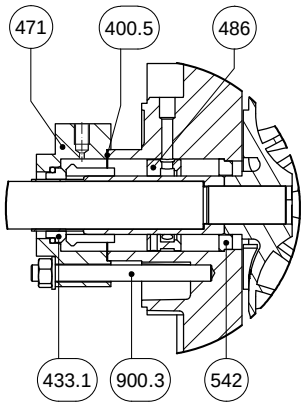
N.	Descrizione	*Description*
471	Coperchio tenuta meccanica	*Seal chamber cover*
471.2	Coperchio flangiato tenuta meccanica	*Seal chamber cover flange*
485	Anello arresto tenuta meccanica	*Abutment ring*
486	Pumping ring	*Pumping ring*
487	Anello sede tenuta meccanica	*Seal seat ring*
487.1	Anello sede paraolio	*Lipseal seat ring*
504	Distanziale	*Spacer*
542	Bussola di fondo	*Bottom sleeve*
900.3	Prigioniero con dado	*Stud with nut*
903.5	Tappo	*Plug*

Dispositivi di raffreddamento (o riscaldamento) e di tenuta
Cooling (or heating) and sealing device

Girante vortex
Vortex impeller

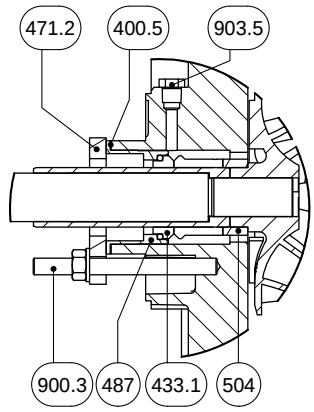
Singola con pumping ring
Single with pumping ring

Exec. T



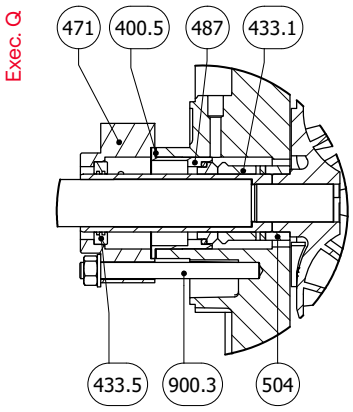
Singola ravvicinata
Single close to the impeller

Exec. U



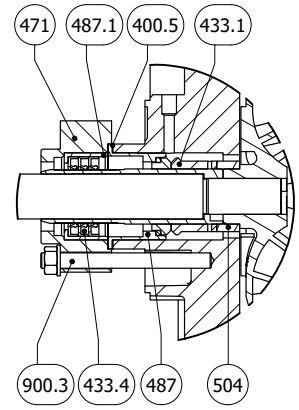
Singola con Quench
Single with Quench

Exec. Q



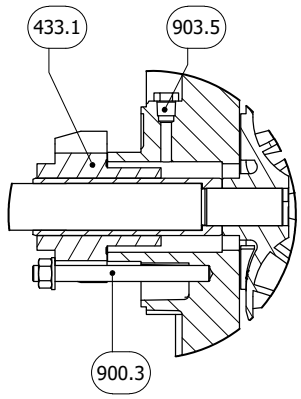
Singola con paraolio + grasso
Single with lipseal + grease

Exec. W



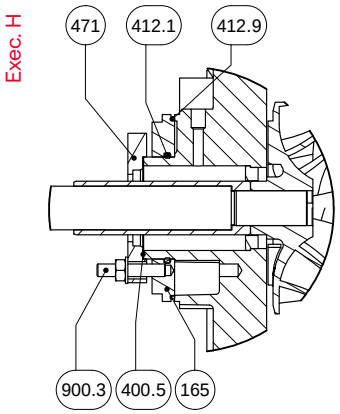
Tenuta a Cartuccia
Cartridge Seal

Exec. K



Camera riscaldamento/raffreddamento
Cooling/heating jacket

Exec. H



N.	Descrizione	*Description*
165	Coperchio camera di raffreddamento	*Cooling chamber cover*
400.5	Guarnizione piana	*Seal plate gasket*
412.1	O-ring	*O-ring*
412.9	O-ring	*O-ring*
433.1	Tenuta meccanica L.C.	*Mechanical seal D.S.*
433.2	Tenuta meccanica L.O.C.	*Mechanical seal N.D.S.*
433.4	Paraolio	*Lipseal*
433.5	Quench	*Quench*
452	Premitreccia	*Packing gland*
458	Anello idraulico	*Lantern ring*
461	Baderna	*Packing ring*

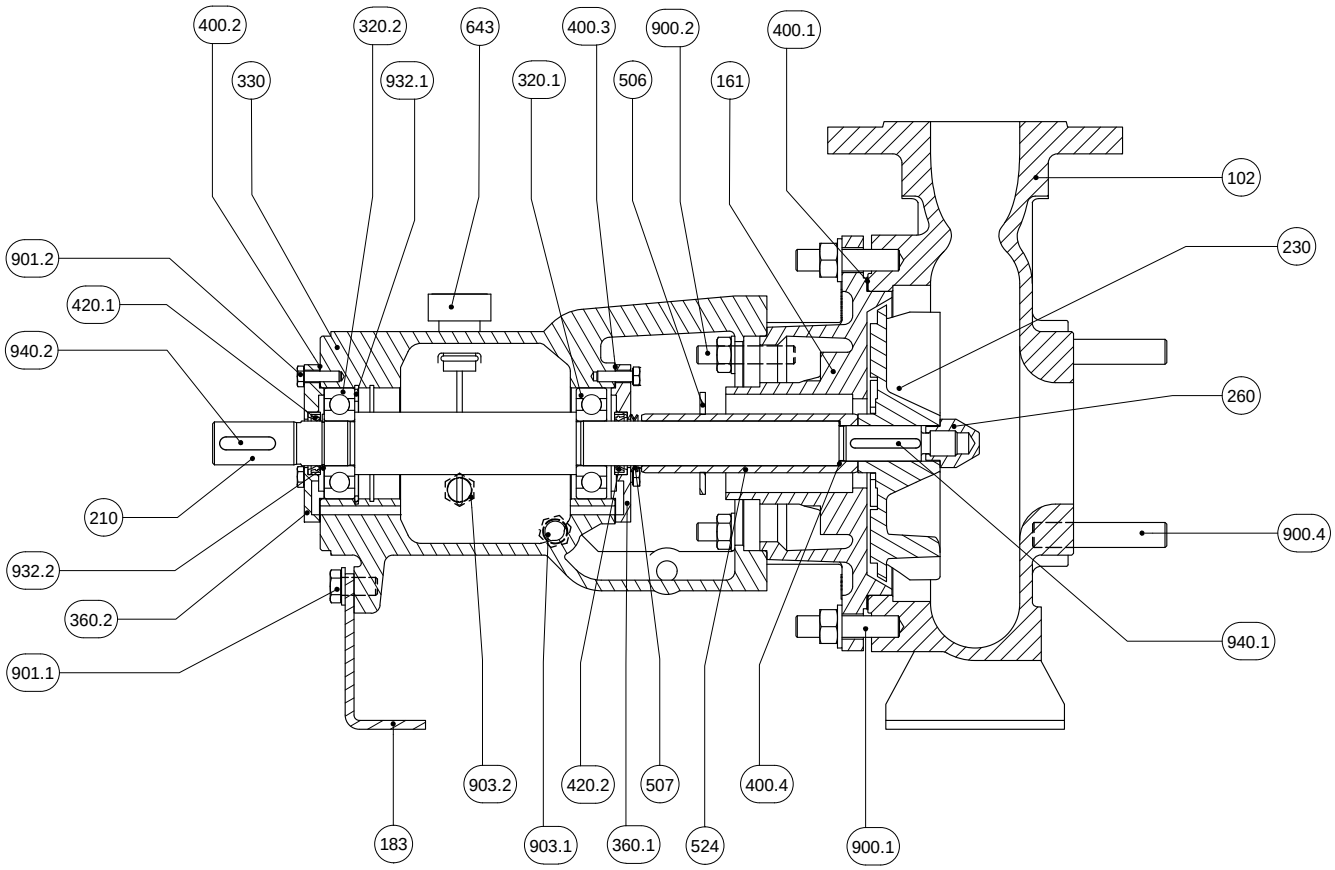
N.	Descrizione	*Description*
471	Coperchio tenuta meccanica	*Seal chamber cover*
471.2	Coperchio flangiato tenuta meccanica	*Seal chamber cover flange*
485	Anello arresto tenuta meccanica	*Abutment ring*
486	Pumping ring	*Pumping ring*
487	Anello sede tenuta meccanica	*Seal seat ring*
487.1	Anello sede paraolio	*Lipseal seat ring*
504	Distanziale	*Spacer*
542	Bussola di fondo	*Bottom sleeve*
900.3	Prigioniero con dado	*Stud with nut*
903.5	Tappo	*Plug*

Sezione con nomenclatura asse nudo
Bare shaft sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 32-16, 32-20, 50-16

Gruppo 1 | *Group 1*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto L.C.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto L.O.C.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*

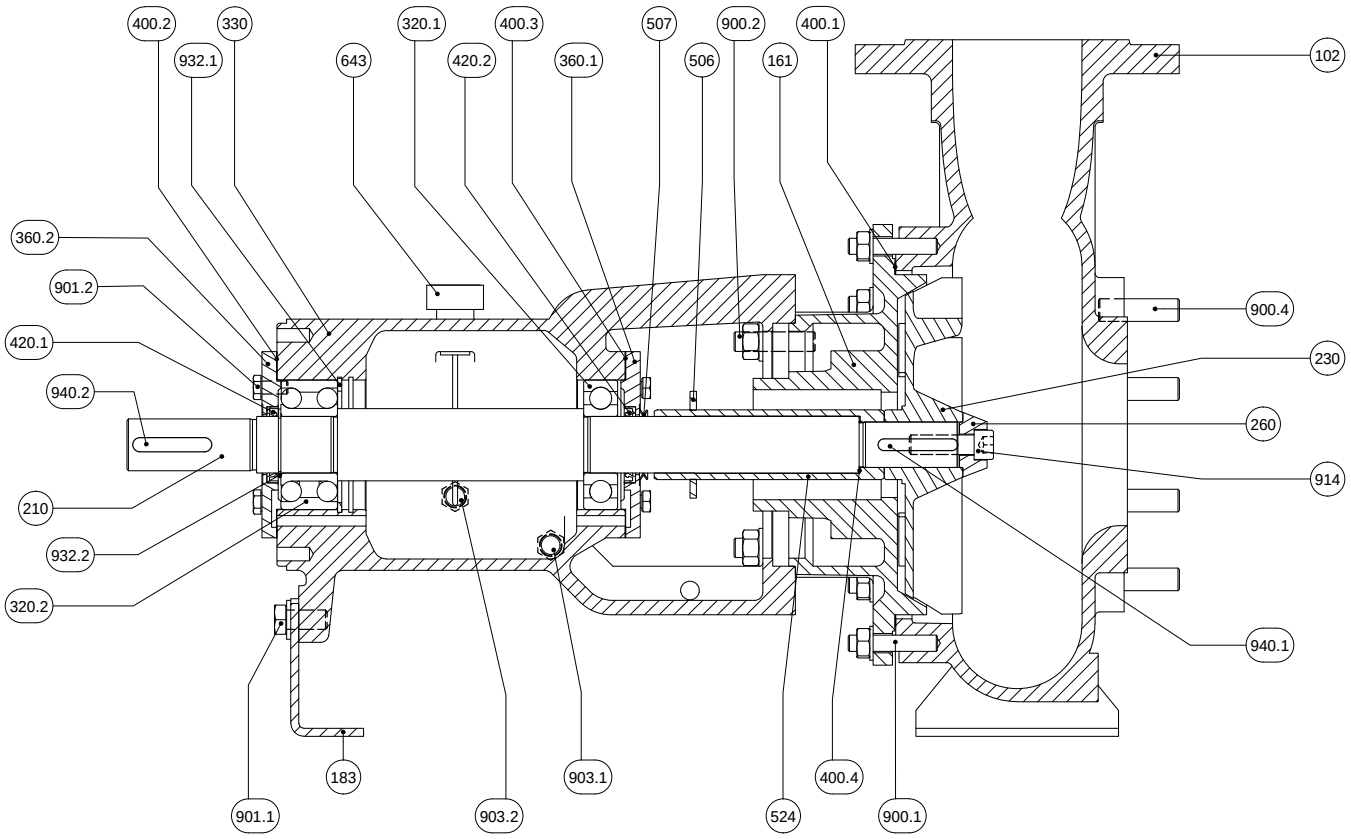
N.	Descrizione	*Description*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*
506	Anello paraspruzzi	*Deflector*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
932.2	Anello di sicurezza (seeger) albero	*Shaft circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*

Sezione con nomenclatura asse nudo
Bare shaft sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 50-20, 50-25, 65-20, 80-20

Gruppo 2 | *Group 2*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto L.C.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto l.o.c.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*

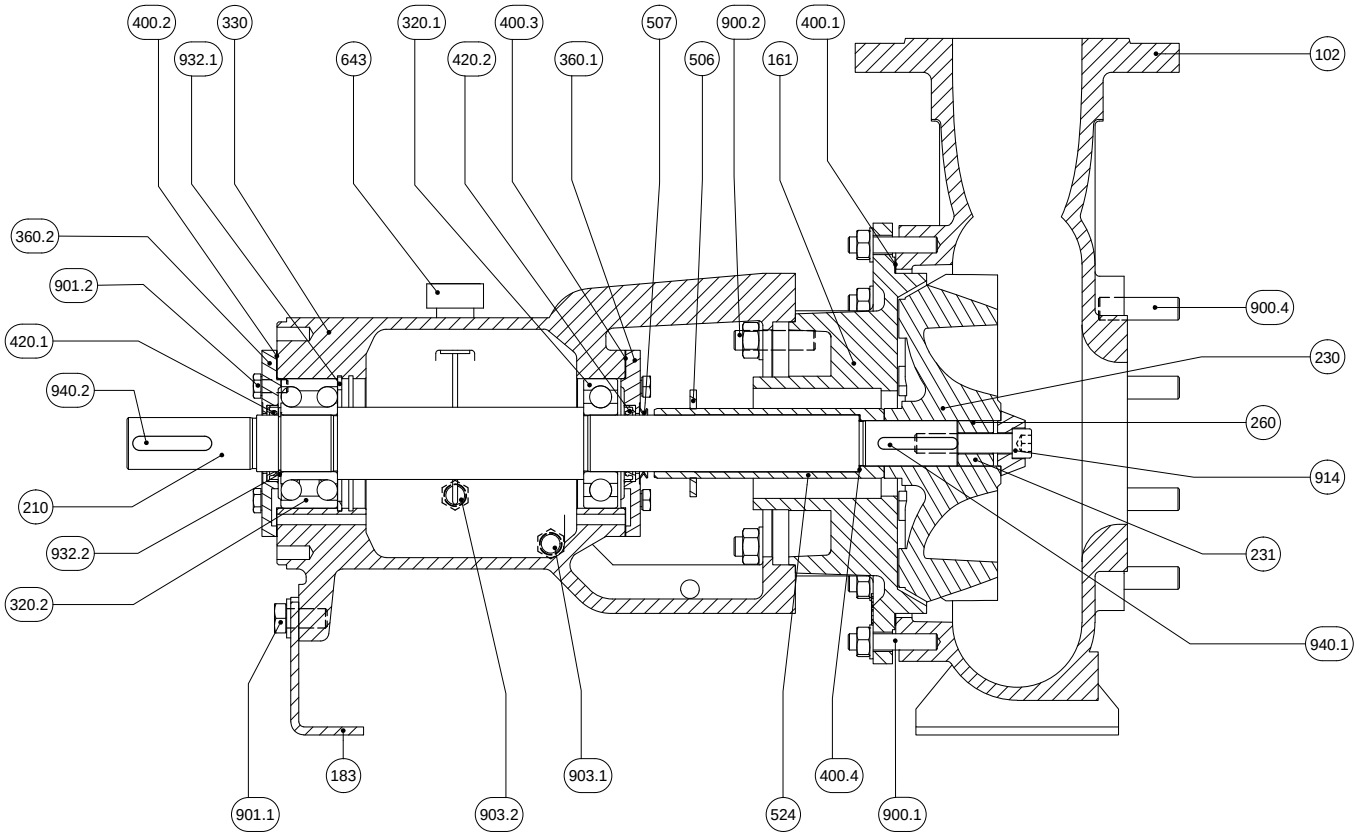
N.	Descrizione	*Description*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*
506	Anello paraspruzzi	*Deflector*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
914	Vite ogivale	*Impeller hub screw*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
932.2	Anello di sicurezza (seeger) albero	*Shaft circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*

Sezione con nomenclatura asse nudo
Bare shaft sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 80-20S, 80-25, 100-25, 125-25

Gruppo 2 | *Group 2*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
231	Distanziale girante	*Impeller spacer*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto l.c.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto L.O.C.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*

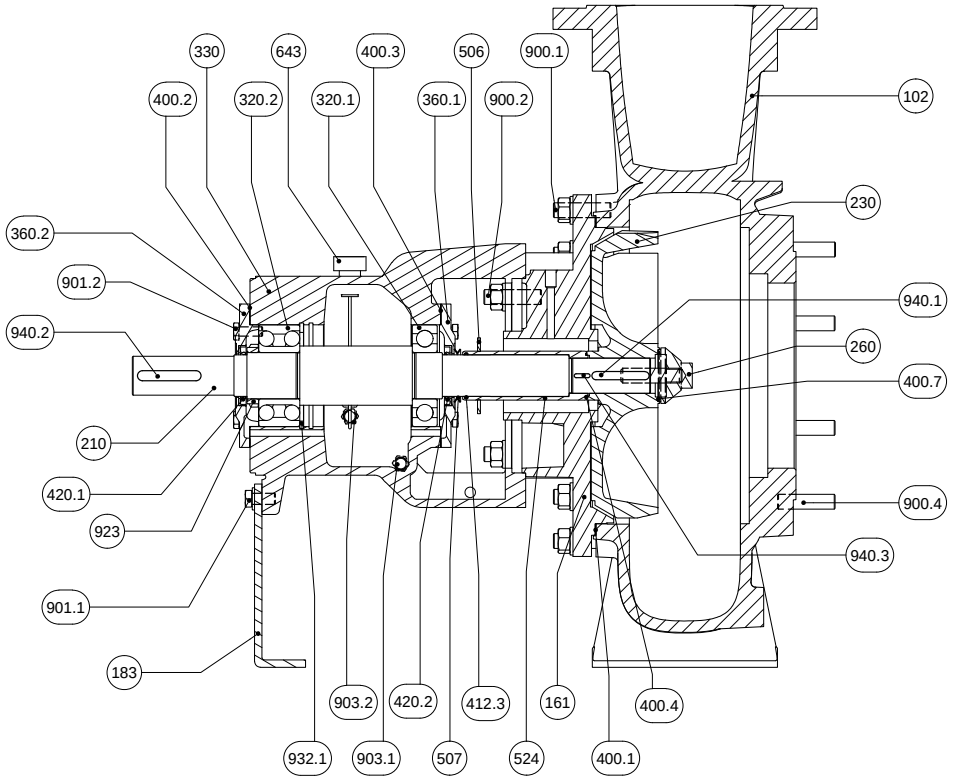
N.	Descrizione	*Description*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*
506	Anello paraspruzzi	*Deflector*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
914	Vite ogivale	*Impeller hub screw*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
932.2	Anello di sicurezza (seeger) albero	*Shaft circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*

Sezione con nomenclatura asse nudo
Bare shaft sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 80-31, 125-31, 150-31

Gruppo 3 | *Group 3*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto L.C.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto L.O.C.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*
400.7	Guarnizione ogiva	*Hub gasket*
412.3	O.ring camicia	*O-ring shaft sleeve*

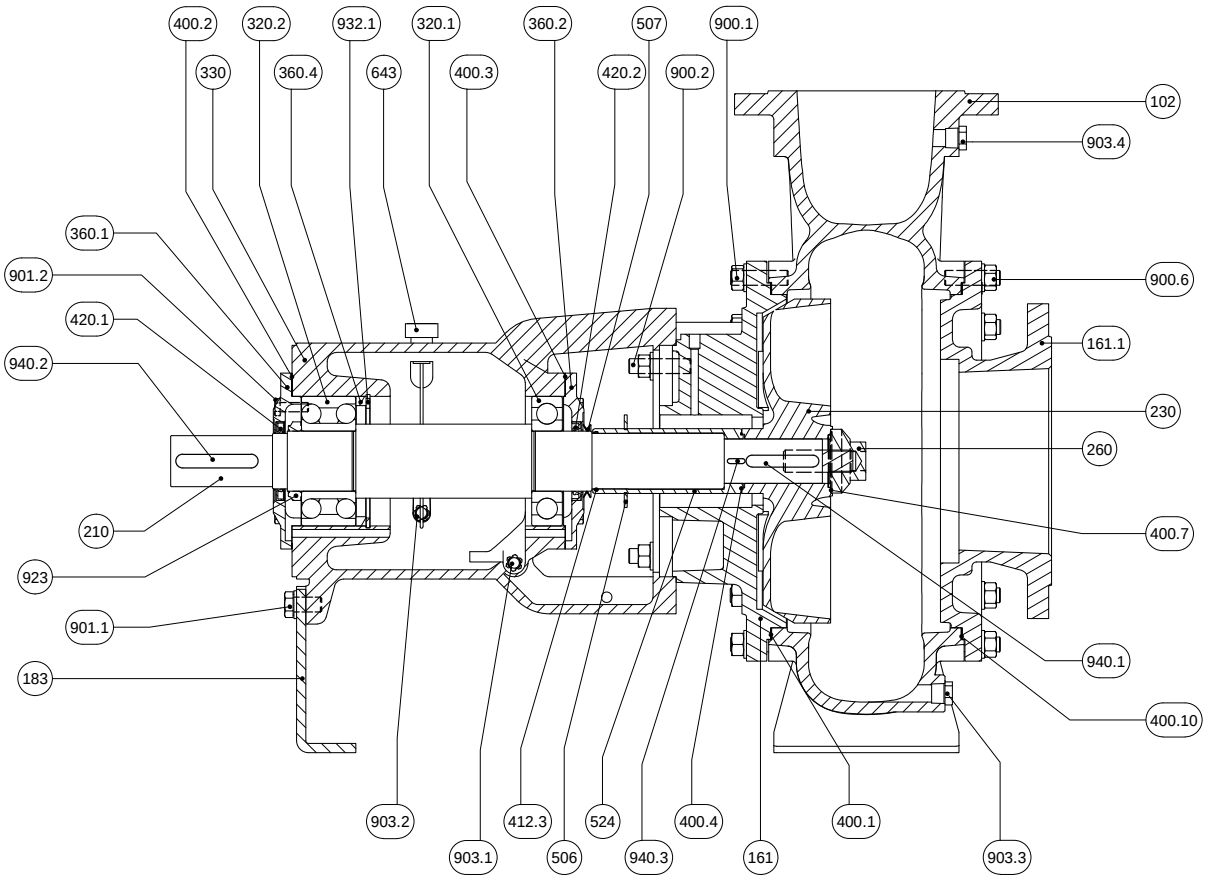
N.	Descrizione	*Description*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*
506	Anello paraspruzzi	*Deflector*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
923	Ghiera cuscinetto	*Bearing nut*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*
940.3	Linguetta camicia	*Sleeve key*

Sezione con nomenclatura asse nudo
Bare shaft sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 150-35, 200-35, 250-35

Gruppo 4 | *Group 4*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
161.1	Coperchio del corpo aspirante	*Flange casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
360.1	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
360.2	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto l.c.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto l.o.c.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*
400.7	Guarnizione ogiva	*Hub gasket*
400.10	Guarnizione coperchio aspirante	*Flange casing cover gasket*
412.3	O.ring camicia	*O-ring shaft sleeve*

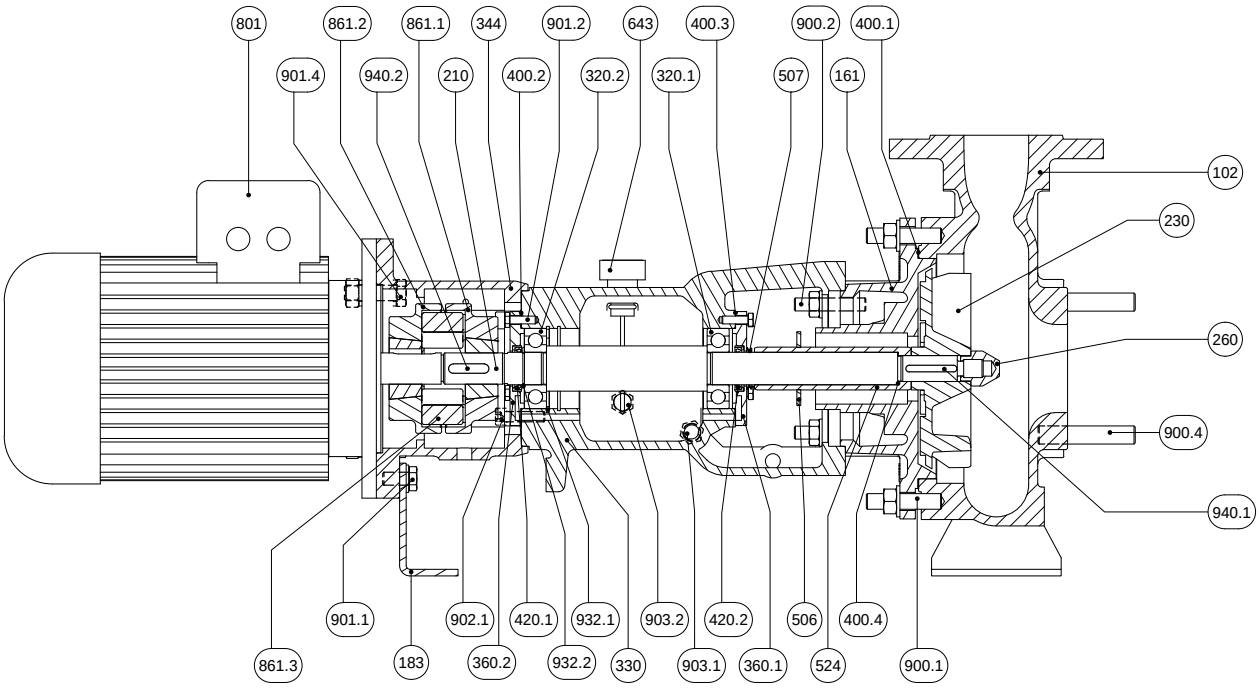
N.	Descrizione	*Description*
420.1	Anello di tenuta l.c.	*Bearing cover seal D.S.*
420.2	Anello di tenuta l.o.c.	*Bearing cover seal N.D.S.*
360.4	Distanziale cuscinetto	*Ball bearing spacer*
506	Anello paraspruzzi	*Deflector*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.6	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
903.3	Tappo drenaggio	*Drain plug*
903.4	Tappo manometro	*Manometer plug*
923	Ghiera cuscinetto	*Bearing nut*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*
940.3	Linguetta camicia	*Sleeve key*

Sezione con nomenclatura lanternata
Lantern bracket sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 32-16, 32-20, 50-16

Gruppo 1 | *Group 1*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
344	Lanterna motore	*Lantern bracket*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto L.C.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto L.O.C.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*
506	Anello paraspruzzi	*Deflector*

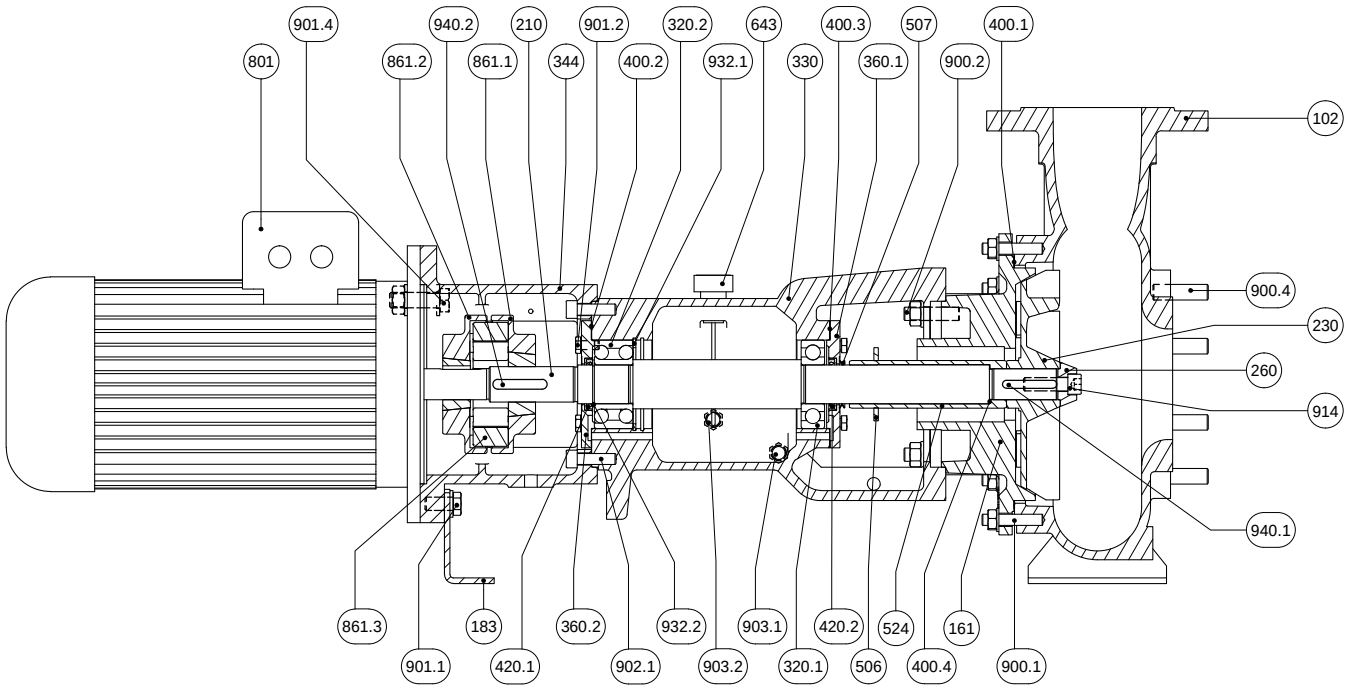
N.	Descrizione	*Description*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
801	Motore elettrico	*Electric motor*
861.1	Semi giunto lato pompa	*Half coupling pump side*
861.2	Semi giunto lato motore	*Half coupling motor side*
861.3	Elastomero giunto	*Coupling Elastomer*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
901.4	Vite T.E.	*Hex head screw*
902.1	Vite T.C.E.I.	*Socket hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
932.2	Anello di sicurezza (seeger) albero	*Shaft circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*

Sezione con nomenclatura lanternata
Lantern bracket sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 50-20, 50-25, 65-20, 80-20

Gruppo 2 | *Group 2*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
344	Lanterna motore	*Lantern bracket*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto L.C.	*Bearing cover gasket D.S.*
400.3	Guarnizione coperchio cuscinetto L.O.C.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*
506	Anello paraspruzzi	*Deflector*
507	V. Ring	*V. Ring*

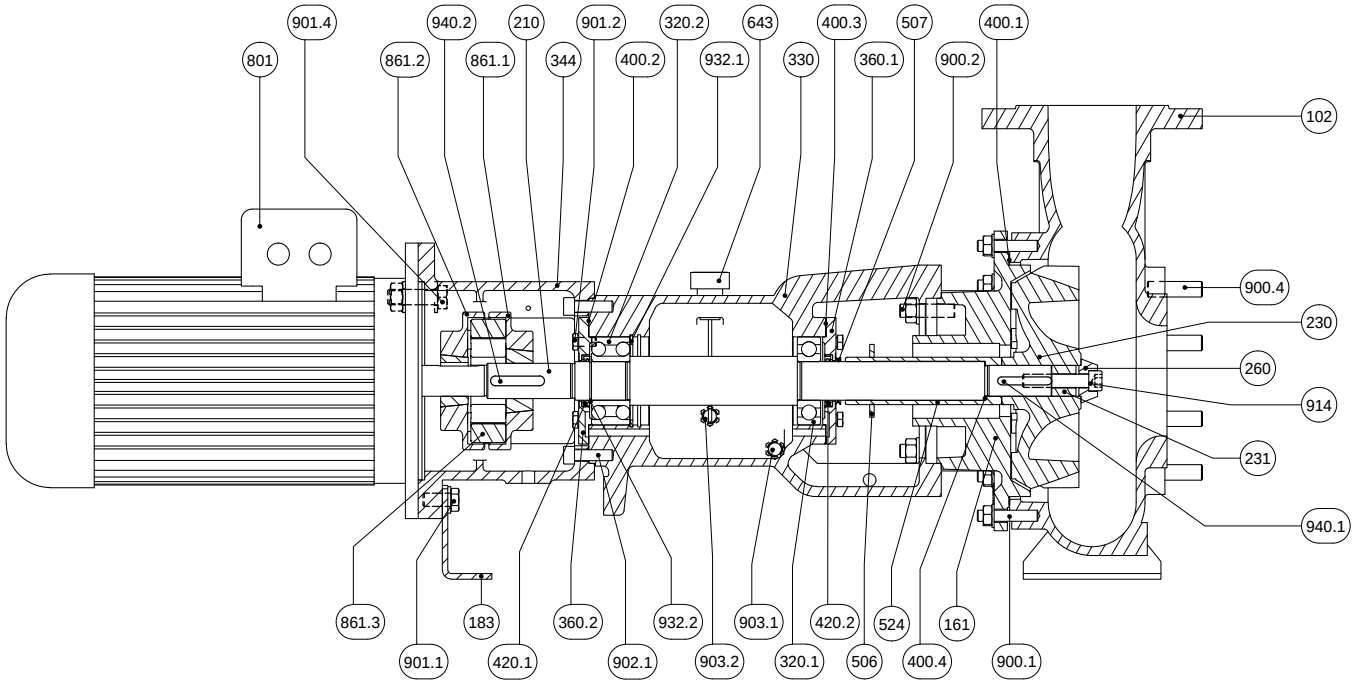
N.	Descrizione	*Description*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
801	Motore elettrico	*Electric motor*
861.1	Semi giunto lato pompa	*Half coupling pump side*
861.2	Semi giunto lato motore	*Half coupling motor side*
861.3	Elastomero giunto	*Coupling Elastomer*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
901.4	Vite T.E.	*Hex head screw*
902.1	Vite T.C.E.I.	*Socket hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
914	Vite ogivale	*Impeller hub screw*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
932.2	Anello di sicurezza (seeger) albero	*Shaft circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*

Sezione con nomenclatura lanternata
Lantern bracket sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 80-20S, 80-25, 100-25, 125-25

Gruppo 2 | *Group 2*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
231	Distanziale girante	*Impeller spacer*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
344	Lanterna motore	*Lantern bracket*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto L.C.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto L.O.C.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*
506	Anello paraspruzzi	*Deflector*

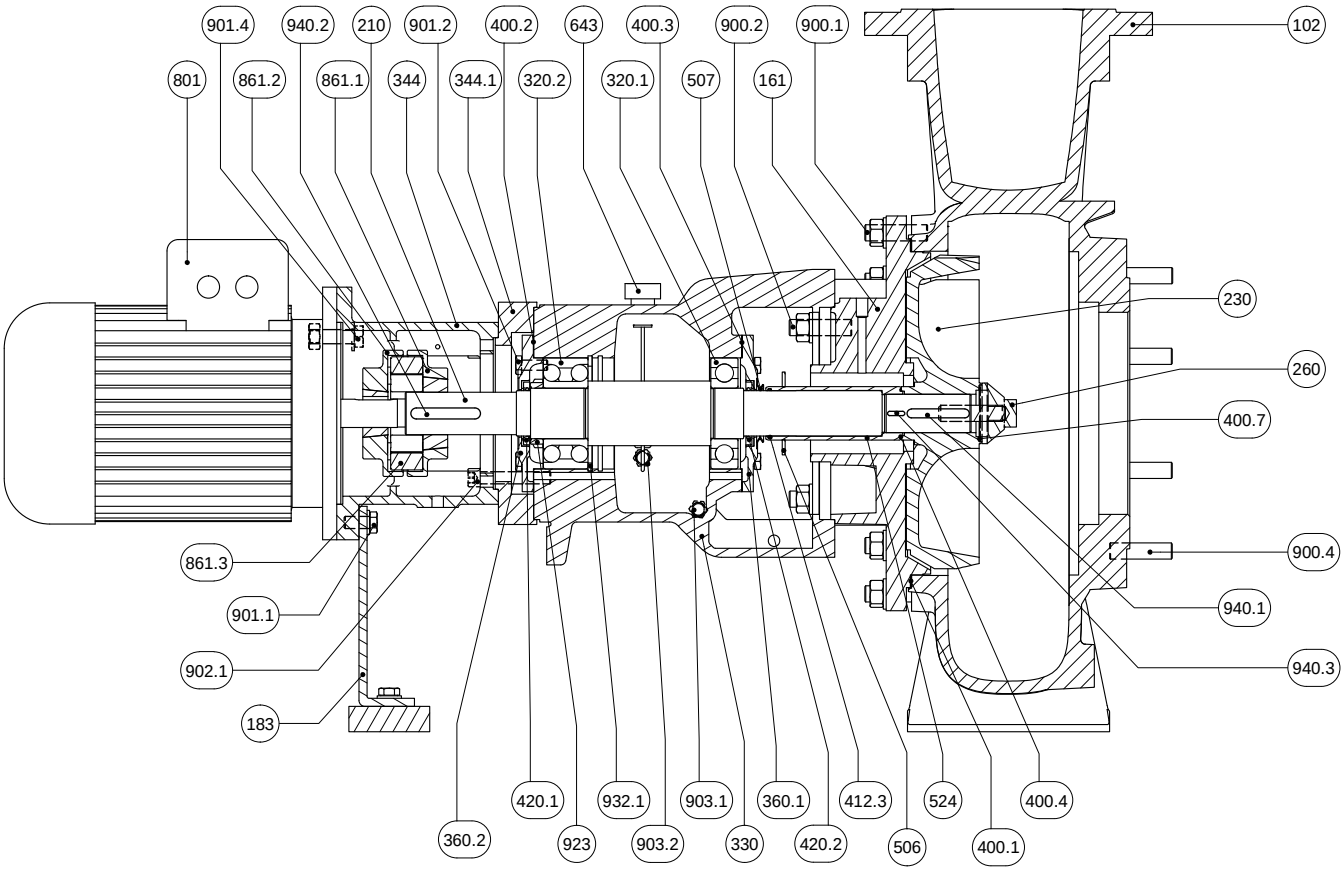
N.	Descrizione	*Description*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
801	Motore elettrico	*Electric motor*
861.1	Semi giunto lato pompa	*Half coupling pump side*
861.2	Semi giunto lato motore	*Half coupling motor side*
861.3	Elastomero giunto	*Coupling Elastomer*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
901.4	Vite T.E.	*Hex head screw*
902.1	Vite T.C.E.I.	*Socket hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
914	Vite ogivale	*Impeller hub screw*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
932.2	Anello di sicurezza (seeger) albero	*Shaft circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*

Sezione con nomenclatura lanternata
Lantern bracket sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 80-31, 125-31, 150-31

Gruppo 3 | *Group 3*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
320.1	Cuscinetto a sfere L.O.C.	*Ball bearing N.D.S.*
320.2	Cuscinetto a sfere L.C.	*Ball bearing D.S.*
330	Supporto	*Bearing housing*
344	Lanterna motore	*Lantern bracket*
344.1	Flangia di riduzione	*Reduction flange*
360.1	Coperchio cuscinetto L.O.C.	*Bearing cover N.D.S.*
360.2	Coperchio cuscinetto L.C.	*Bearing cover D.S.*
400.1	Guarnizione del corpo	*Casing gasket*
400.2	Guarnizione coperchio cuscinetto l.c.	*Bearing cover gasketl D.S.*
400.3	Guarnizione coperchio cuscinetto l.o.c.	*Bearing cover gasket N.D.S.*
400.4	Guarnizione camicia	*Sleeve gasket*
400.7	Guarnizione ogiva	*Hub gasket*
412.3	O-ring camicia	*O-ring shaft sleeve*
420.1	Anello di tenuta L.C.	*Bearing cover seal D.S.*
420.2	Anello di tenuta L.O.C.	*Bearing cover seal N.D.S.*

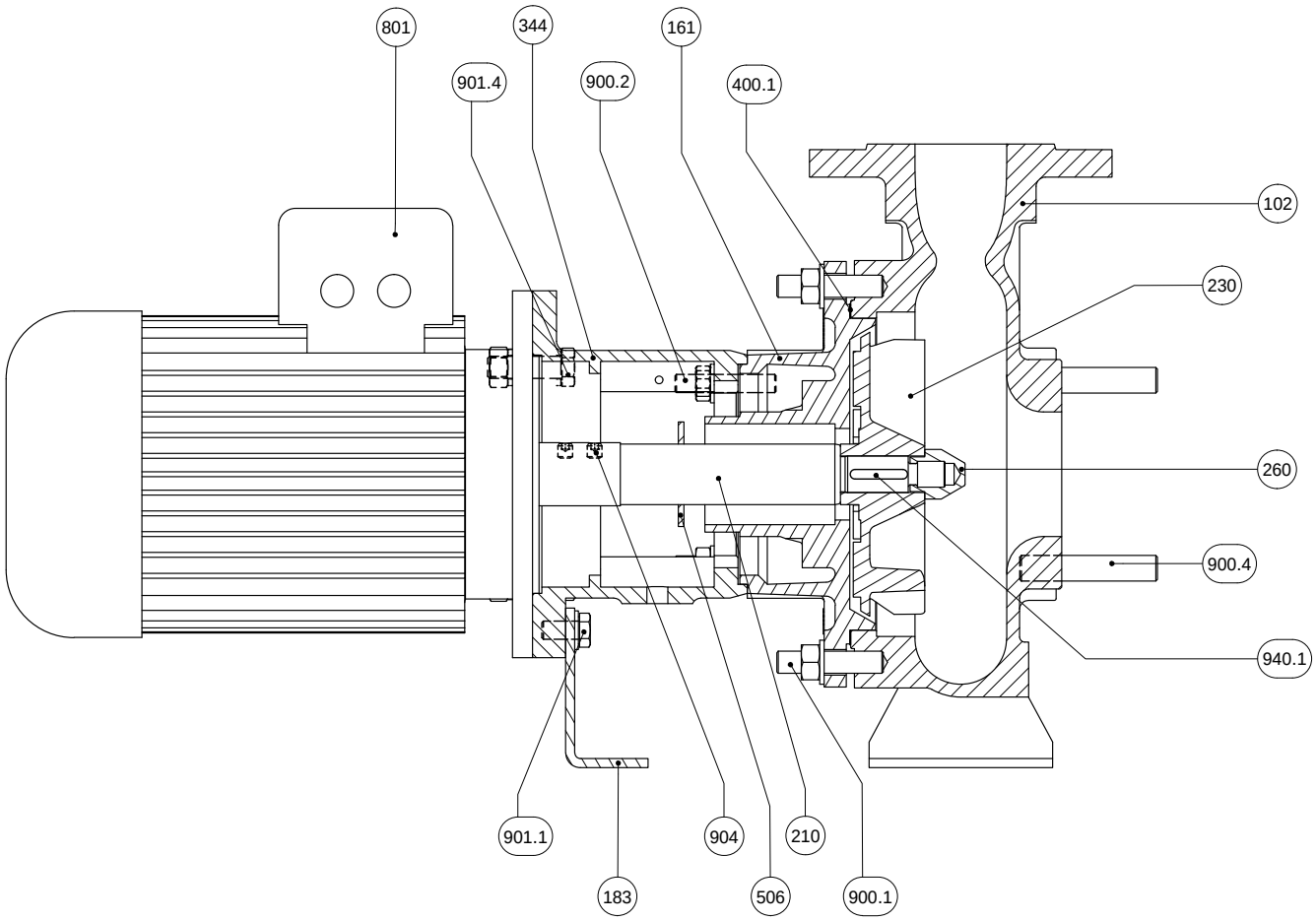
N.	Descrizione	*Description*
506	Anello paraspruzzi	*Deflector*
507	V. Ring	*V. Ring*
524	Camicia albero	*Shaft sleeve*
643	Tappo di sfiato con astina	*Oil dipstick*
801	Motore elettrico	*Electric motor*
861.1	Semi giunto lato pompa	*Half coupling pump side*
861.2	Semi giunto lato motore	*Half coupling motor side*
861.3	Elastomero giunto	*Coupling Elastomer*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.2	Vite T.E.	*Hex head screw*
901.4	Vite T.E.	*Hex head screw*
902.1	Vite T.C.E.I.	*Socket hex head screw*
903.1	Tappo scarico olio	*Oil drain plug*
903.2	Tappo oliatore	*Constant level oiler plug*
923	Ghiera cuscinetto	*Bearing nut*
932.1	Anello di sicurezza (seeger) foro	*Hole circlip*
940.1	Linguetta girante	*Impeller key*
940.2	Linguetta giunto	*Coupling key*
940.3	Linguetta camicia	*Sleeve key*

Sezione con nomenclatura monoblocco
Close coupled sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 32-16, 32-20, 50-16

Gruppo 1 | *Group 1*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
344	Lanterna motore	*Lantern bracket*
400.1	Guarnizione del corpo	*Casing gasket*
506	Anello paraspruzzi	*Deflector*

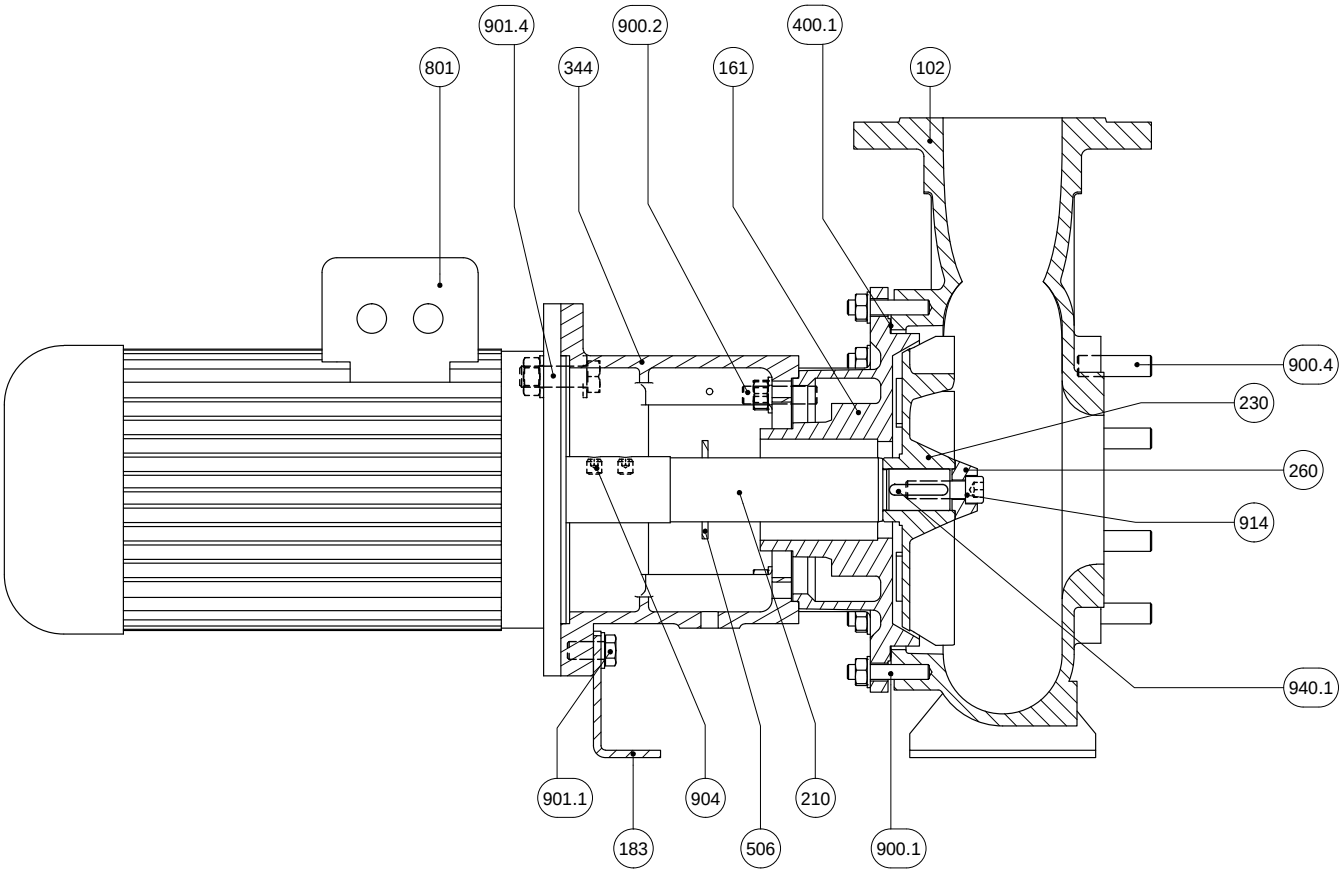
N.	Descrizione	*Description*
801	Motore elettrico	*Electric motor*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.4	Vite T.E.	*Hex head screw*
904	Grano	*Locking screw*
940.1	Linguetta girante	*Impeller key*

Sezione con nomenclatura monoblocco
Close coupled sectional view and nomenclature

Girante vortex
Vortex impeller

Grandezze | *Size:* 50-20, 50-25, 65-20, 80-20, 80-20S, 80-25, 100-25, 125-25

Gruppo 2 | *Group 2*



N.	Descrizione	*Description*
102	Corpo	*Casing*
161	Coperchio del corpo	*Casing cover*
183	Piede di appoggio	*Support foot*
210	Albero	*Shaft*
230	Girante	*Impeller*
260	Ogiva girante	*Impeller hub*
344	Lanterna motore	*Lantern bracket*
400.1	Guarnizione del corpo	*Casing gasket*
506	Anello paraspruzzi	*Deflector*

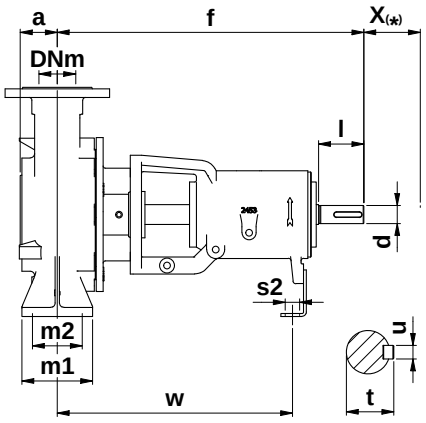
N.	Descrizione	*Description*
801	Motore elettrico	*Electric motor*
900.1	Prigioniero con dado	*Stud with nut*
900.2	Prigioniero con dado	*Stud with nut*
900.4	Prigioniero con dado	*Stud with nut*
901.1	Vite T.E.	*Hex head screw*
901.4	Vite T.E.	*Hex head screw*
904	Grano	*Locking screw*
914	Vite ogivale	*Screw*
940.1	Linguetta girante	*Impeller key*

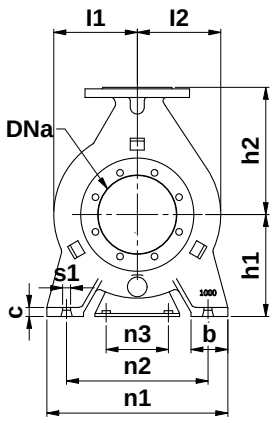
Ingombri asse nudo
Bare shaft overall dimensions

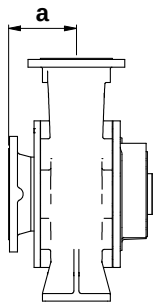
Girante vortex
Vortex impeller

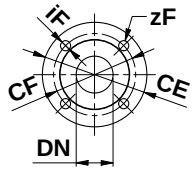
Grandezze | *Size:* 32-16, 32-20, 50-16, 50-20, 50-25, 65-20, 80-20, 80-20S, 80-25, 80-31, 100-25, 125-25, 125-31, 125-40, 150-31

Solo per grandezze | Only *size:* 150-35, 200-35, 250-35









Dimensioni Flange *Dimensions Flange EN1092-1/2 PN10*										
DNa-DNm	32	50	65	80	100	125	150	200	250	300
CF	100	125	145	160	180	210	240	295	350	400
DE	140	165	185	200	220	250	285	340	395	445
iF	18	18	18	18	18	18	22	23	23	23
zF	4	4	4	8	8	8	8	8	12	12

Pompa tipo *Pump size*	**Gruppo Supporto** *Group Bearing Housing*	**Dimensioni** *Dimensions* (mm)																						**Peso** *Weight* (kg)
		DNa	**DNm**	**a**	**f**	**h1**	**h2**	**b**	**c**	**m1**	**m2**	**n1**	**n2**	**n3**	**s1**	**s2**	**w**	**d**	**l**	**t**	**u**	**l1**	**l2**	**X(*)**	
32-16	GR1	50	32	48	418	132	160	50	14	100	70	240	190	110	14	14	317	24	50	27	8	114	114	100	33
32-20	GR1	50	32	48	417	160	180	50	14	100	70	240	190	110	14	14	318	24	50	27	8	135,5	135,5	100	39
50-16	GR1	65	50	55	427	160	180	50	14	100	70	265	212	110	14	14	327	24	50	27	8	121,5	121,5	100	36
50-20	GR2	65	50	55	532	160	200	50	14	100	70	265	212	110	14	14	405	32	80	35	10	141	141	100	51
50-25	GR2	65	50	55	534	180	225	65	14	125	95	320	250	110	14	14	408	32	80	35	10	175	175	100	59
65-20	GR2	80	65	66	542	180	225	65	16	125	95	320	250	110	14	14	416	32	80	35	10	150,5	150,5	140	58
80-20(S)	GR2	100	80	68	550	180	250	65	16	125	95	345	280	110	14	14	423	32	80	35	10	159	159	140	61
80-25	GR2	100	80	75	575	225	280	70	18	160	120	395	315	110	18	14	449	32	80	35	10	176	176	140	77
80-31	GR3	100	80	90	587	250	315	80	18	160	120	400	315	110	18	14	427	42	110	45	12	205	227	140	127
100-25	GR2	125	100	90	584	225	280	80	18	160	120	400	315	110	18	14	459	32	80	35	10	183	216	140	92
125-25	GR2	150	125	112	597	250	355	80	18	160	120	400	315	110	18	14	472	32	80	35	10	208	254	140	114
125-31	GR3	150	125	112	600	280	355	100	20	200	150	500	400	110	23	14	440	42	110	45	12	223	256	140	147
150-31	GR3	200	150	120	597	315	400	100	22	200	150	550	450	110	24	14	434	42	110	45	12	243	316	200	173
150-35	GR4	200	150	200	752	315	400	100	22	200	150	550	450	140	24	14	578	55	110	59	16	257	300	200	261
200-35	GR4	250	200	250	765	355	450	100	22	200	150	550	450	140	24	19	590	55	110	59	16	275	352	200	302
250-35	GR4	300	250	300	779	355	500	130	26	260	190	690	560	140	28	19	606	55	110	59	16	286	371	200	355

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

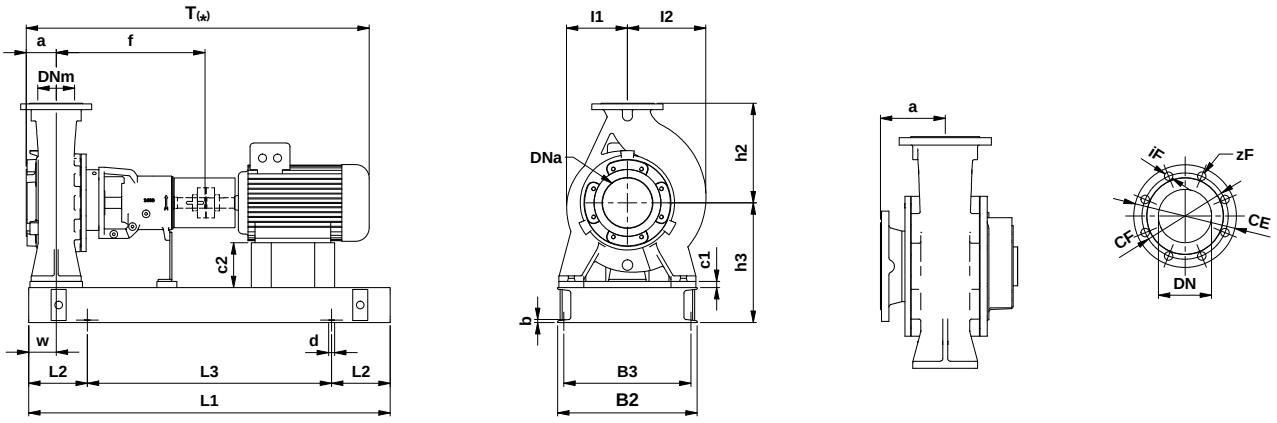
(*) Dimensione giunto spaziatore
(*) Spacer coupling dimension

Ingombri su base con giunto standard
Overall dimensions on base with standard coupling

Girante vortex
Vortex impeller

Grandezze | *Size:* 32-16, 32-20, 50-16, 50-20, 50-25, 65-20, 80-20, 80-20S, 80-25, 80-31, 100-25, 125-25, 125-31, 150-31

Solo per grandezze | Only *size:* 150-35, 200-35, 250-35



Dimensioni Flange ***Dimensions Flange EN1092-1/2 PN10***										
DNa-DNm	32	50	65	80	100	125	150	200	250	300
CF	100	125	145	160	180	210	240	295	350	400
DE	140	165	185	200	220	250	285	340	395	445
if	18	18	18	18	18	18	22	23	23	23
zf	4	4	4	8	8	8	8	8	12	12

Accoppiamento potenza – polarità/grandezza motore
Power – polarity/motor size coupling

Poli	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW
2	71	80	80	90S	90L	100L	112M	132S	132S	132M	160M	160M	160L	180M	200L	200L	225M	250M	280S	280M	315S	315M	-	-	-	-	-
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22	30	37	45	55	75	90	110	132	-	-	-	-	-
4	80	80	90S	90L	100L	100L	112M	132S	132M	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M	315M	315L	355L	355L	355L
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22	30	37	45	55	75	90	110	132	160	200	250	315	355
6	80	90S	90L	100L	112M	132S	132M	132M	160M	160L	180L	200L	200L	225M	250M	280S	280M	315S	315M	315L	315L	-	-	-	-	-	-
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	11	15	18,5	22	30	37	45	55	75	90	110	132	-	-	-	-	-	-

Pompa tipo ***Pump size***	**Grandezza motore** ***Motor size***	**Base** ***Base plate***	**Dimensioni** ***Dimensions*** **(mm)**																		**Peso** ***Weight*** **(kg)**(*)
			Dna	**Dnm**	**a**	**f**	**h3**	**h2**	**L1**	**L2**	**L3**	**B2**	**B3**	**w**	**d**	**b**	**c1**	**c2**	**I1**	**I2**	**T**(*)	
32-16	80	1	50	32	48	418	192	160	750	120	510	355	320	60	19	30	0	52	114	114	756	67
	90S	1	50	32	48	418	192	160	750	120	510	355	320	60	19	30	0	42	114	114	786,5	69
	90L	1	50	32	48	418	192	160	750	120	510	355	320	60	19	30	0	42	114	114	811	71
	100L	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	32	114	114	859	101
	112M	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	20	114	114	863	108
	132S	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	0	114	114	935	121
	132M	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	0	114	114	972	132
	160M	3	50	32	48	418	280	160	1200	205	790	450	410	60	19	30	28	0	114	114	1081	214
	160L	3	50	32	48	418	280	160	1200	205	790	450	410	60	19	30	28	0	114	114	1125	227

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

Ingombri su base con giunto standard
Overall dimensions on base with standard coupling

Girante vortex
Vortex impeller

Pompa tipo *Pump size*	Grandezza motore *Motor size*	Base *Base plate*	Dimensioni *Dimensions* (mm)																		Peso *Weight* (kg)(*)
			Dna	Dnm	a	f	h3	h2	L1	L2	L3	B2	B3	w	d	b	c1	c2	l1	l2	T(*)	
32-20	80	1	50	32	48	417	220	180	750	120	510	355	320	60	19	30	0	80	135,5	135,5	755	73
	90S	1	50	32	48	417	220	180	750	120	510	355	320	60	19	30	0	70	135,5	135,5	785,5	75
	90L	1	50	32	48	417	220	180	750	120	510	355	320	60	19	30	0	70	135,5	135,5	810	77
	100L	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	60	135,5	135,5	858	107
	112M	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	48	135,5	135,5	862	114
	132S	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	28	135,5	135,5	934	127
	132M	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	28	135,5	135,5	971	138
	160M	3	50	32	48	417	280	180	1200	205	790	450	410	60	19	30	0	0	135,5	135,5	1080	221
	160L	3	50	32	48	417	280	180	1200	205	790	450	410	60	19	30	0	0	135,5	135,5	1124	234
50-16	90S	1	65	50	55	427	220	180	750	120	510	355	320	60	19	30	0	70	121,5	121,5	802,5	72
	90L	1	65	50	55	427	220	180	750	120	510	355	320	60	19	30	0	70	121,5	121,5	827	74
	100L	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	60	121,5	121,5	875	104
	112M	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	48	121,5	121,5	879	111
	132S	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	28	121,5	121,5	951	124
	132M	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	28	121,5	121,5	988	135
	160M	3	65	50	55	427	280	180	1200	205	790	450	410	60	19	30	0	0	121,5	121,5	1097	218
	160L	3	65	50	55	427	280	180	1200	205	790	450	410	60	19	30	0	0	121,5	121,5	1141	231
50-20	100L	2	65	50	55	532	280	200	1000	170	660	400	360	60	19	30	0	60	141	141	980	119
	112M	2	65	50	55	532	280	200	1000	170	660	400	360	60	19	30	0	48	141	141	984	126
	132S	2	65	50	55	532	280	200	1000	170	660	400	360	60	19	30	0	28	141	141	1056	139
	132M	2	65	50	55	532	280	200	1000	170	660	400	360	60	19	30	0	28	141	141	1093	150
	160M	3	65	50	55	532	280	200	1200	205	790	450	410	60	19	30	0	0	141	141	1202	233
	160L	3	65	50	55	532	280	200	1200	205	790	450	410	60	19	30	0	0	141	141	1246	246
	180M	3	65	50	55	532	300	200	1200	205	790	450	410	60	19	30	20	0	141	141	1222	291
	180L	3	65	50	55	532	300	200	1200	205	790	450	410	60	19	30	20	0	141	141	1300	311
50-25	90S	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	90	175	175	909,5	117
	90L	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	90	175	175	934	119
	100L	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	80	175	175	982	127
	112M	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	68	175	175	986	134
	132S	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	48	175	175	1058	147
	132M	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	48	175	175	1095	158
	160M	3	65	50	55	534	300	225	1200	205	790	450	410	75	19	30	0	20	175	175	1204	241
	160L	3	65	50	55	534	300	225	1200	205	790	450	410	75	19	30	0	20	175	175	1248	254
65-20	100L	2	80	65	66	542	300	225	1000	170	660	400	360	75	19	30	0	80	150,5	150,5	1001	126
	112M	2	80	65	66	542	300	225	1000	170	660	400	360	75	19	30	0	68	150,5	150,5	1005	133
	132S	2	80	65	66	542	300	225	1000	170	660	400	360	75	19	30	0	48	150,5	150,5	1077	146
	132M	2	80	65	66	542	300	225	1000	170	660	400	360	75	19	30	0	48	150,5	150,5	1114	157
	160M	3	80	65	66	542	300	225	1200	205	790	450	410	75	19	30	0	20	150,5	150,5	1223	240
	160L	3	80	65	66	542	300	225	1200	205	790	450	410	75	19	30	0	20	150,5	150,5	1267	253
	200L	4	80	65	66	542	320	225	1500	245	1010	480	440	75	19	30	20	0	150,5	150,5	1374	391
80-20(S)	100L	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	80	159	159	1013	139
	112M	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	68	159	159	1017	146
	132S	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	48	159	159	1089	159
	132M	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	48	159	159	1126	170

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

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(*) Length and weight may vary, it depends by the motor brand

Ingombri su base con giunto standard
Overall dimensions on base with standard coupling

Girante vortex
Vortex impeller

Pompa tipo *Pump size*	Grandezza motore *Motor size*	Base *Base plate*	Dimensioni *Dimensions* (mm)																		Peso *Weight* (kg)(*)
			Dna	Dnm	a	f	h3	h2	L1	L2	L3	B2	B3	w	d	b	c1	c2	l1	l2	T(*)	
80-25	112M	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	113	176	176	1047	163
	132S	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	93	176	176	1119	176
	132M	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	93	176	176	1156	187
	160M	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	65	176	176	1265	259
	160L	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	65	176	176	1309	272
	180M	6	100	80	75	575	390	280	1300	215	870	510	460	90	24	13	25	70	176	176	1285	319
	180L	6	100	80	75	575	390	280	1300	215	870	510	460	90	24	13	25	70	176	176	1363	339
80-31	132S	5	100	80	90	587	370	315	1200	205	790	505	465	90	19	30	0	118	205	227	1146	226
	132M	5	100	80	90	587	370	315	1200	205	790	505	465	90	19	30	0	118	205	227	1183	237
	160M	5	100	80	90	587	370	315	1200	205	790	505	465	90	19	30	0	90	205	227	1292	309
	160L	5	100	80	90	587	370	315	1200	205	790	505	465	90	19	30	0	90	205	227	1336	322
	180M	6	100	80	90	587	415	315	1300	215	870	510	460	90	24	13	25	95	205	227	1312	369
	180L	6	100	80	90	587	415	315	1300	215	870	510	460	90	24	13	25	95	205	227	1390	389
	200L	6	100	80	90	587	415	315	1300	215	870	510	460	90	24	13	25	75	205	227	1443	452
	225S	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	50	205	227	1478	504
	225M	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	50	205	227	1503	546
	250M	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	25	205	227	1565	663
100-25	132S	5	125	100	90	584	345	280	1200	205	790	505	465	90	19	30	0	93	183	216	1143	191
	132M	5	125	100	90	584	345	280	1200	205	790	505	465	90	19	30	0	93	183	216	1180	202
	160M	5	125	100	90	584	345	280	1200	205	790	505	465	90	19	30	0	65	183	216	1289	274
	160L	5	125	100	90	584	345	280	1200	205	790	505	465	90	19	30	0	65	183	216	1333	287
	180M	6	125	100	90	584	390	280	1300	215	870	510	460	90	24	13	25	70	183	216	1309	334
	180L	6	125	100	90	584	390	280	1300	215	870	510	460	90	24	13	25	70	183	216	1387	354
	200L	6	125	100	90	584	390	280	1300	215	870	510	460	90	24	13	25	50	183	216	1440	417
125-25	132S	5	150	125	112	597	370	355	1200	205	790	505	465	90	19	30	0	118	208	254	1178	213
	132M	5	150	125	112	597	370	355	1200	205	790	505	465	90	19	30	0	118	208	254	1215	224
	160M	5	150	125	112	597	370	355	1200	205	790	505	465	90	19	30	0	90	208	254	1324	296
	160L	5	150	125	112	597	370	355	1200	205	790	505	465	90	19	30	0	90	208	254	1368	309
	180M	6	150	125	112	597	415	355	1300	215	870	510	460	90	24	13	25	95	208	254	1344	356
	180L	6	150	125	112	597	415	355	1300	215	870	510	460	90	24	13	25	95	208	254	1422	376
	200L	6	150	125	112	597	415	355	1300	215	870	510	460	90	24	13	25	75	208	254	1475	439
125-31	132M	6	150	125	112	600	445	355	1300	215	870	510	460	110	24	13	25	173	223	256	1218	259
	160M	6	150	125	112	600	445	355	1300	215	870	510	460	110	24	13	25	145	223	256	1327	331
	160L	6	150	125	112	600	445	355	1300	215	870	510	460	110	24	13	25	145	223	256	1371	344
	180M	6	150	125	112	600	445	355	1300	215	870	510	460	110	24	13	25	125	223	256	1347	389
	180L	6	150	125	112	600	445	355	1300	215	870	510	460	110	24	13	25	125	223	256	1425	409
	200L	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	105	223	256	1478	480
	225S	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	80	223	256	1513	525
	225M	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	80	223	256	1538	567
	250M	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	55	223	256	1600	684
	280S	9	150	125	112	600	485	355	1900	260	1380	610	560	110	26	15	25	25	223	256	1740	871

Quote e pesi possono variare senza preavviso
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Ingombri su base con giunto standard
Overall dimensions on base with standard coupling

Girante vortex
Vortex impeller

Pompa tipo *Pump size*	Grandezza motore *Motor size*	Base *Base plate*	Dimensioni *Dimensions* (mm)																		Peso *Weight* (kg)(*)
			Dna	Dnm	a	f	h3	h2	L1	L2	L3	B2	B3	w	d	b	c1	c2	l1	l2	T(*)	
150-31	160M	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	180	243	316	1332	364
	160L	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	180	243	316	1376	377
	180M	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	160	243	316	1352	422
	180L	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	160	243	316	1430	442
	200L	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	140	243	316	1483	505
	225S	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	115	243	316	1518	550
	225M	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	115	243	316	1543	592
	250M	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	90	243	316	1605	709
	280S	8	200	150	120	597	480	400	1590	235	1120	560	510	110	24	13	25	60	243	316	1745	860
	280M	8	200	150	120	597	480	400	1590	235	1120	560	510	110	24	13	25	60	243	316	1795	913
	315S	10	200	150	120	597	520	400	2000	260	1480	710	660	110	26	15	25	25	243	316	1910	1165
150-35	180L	7	200	150	200	752	480	400	1450	235	980	560	510	110	24	13	25	160	257	300	1665	530
	200L	8	200	150	200	752	480	400	1590	235	1120	560	510	110	24	13	25	140	257	300	1718	597
	225S	8	200	150	200	752	480	400	1590	235	1120	560	510	110	24	13	25	115	257	300	1753	642
	225M	8	200	150	200	752	480	400	1590	235	1120	560	510	110	24	13	25	115	257	300	1778	684
	250M	8	200	150	200	752	480	400	1590	235	1120	560	510	110	24	13	25	90	257	300	1840	801
	280S	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	60	257	300	1980	985
	280M	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	60	257	300	2030	1038
	315S	10	200	150	200	752	520	400	2000	260	1480	710	660	110	26	15	25	25	257	300	2145	1240
	315M	10	200	150	200	752	520	400	2000	260	1480	710	660	110	26	15	25	25	257	300	2283	1495
200-35	200L	8	250	200	250	765	520	450	1590	235	1120	560	510	110	24	13	25	180	275	352	1781	638
	225S	8	250	200	250	765	520	450	1590	235	1120	560	510	110	24	13	25	155	275	352	1816	683
	225M	8	250	200	250	765	520	450	1590	235	1120	560	510	110	24	13	25	155	275	352	1841	725
	250M	8	250	200	250	765	520	450	1590	235	1120	560	510	110	24	13	25	130	275	352	1903	842
	280S	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	100	275	352	2043	1026
	280M	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	100	275	352	2093	1079
	315S	10	250	200	250	765	560	450	2000	260	1480	710	660	110	26	15	25	65	275	352	2208	1295
	315M	10	250	200	250	765	560	450	2000	260	1480	710	660	110	26	15	25	65	275	352	2346	1550
250-35	200L	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	180	286	371	1845	742
	225S	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	155	286	371	1880	787
	225M	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	155	286	371	1905	829
	250M	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	130	286	371	1967	946
	280S	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	100	286	371	2107	1093
	280M	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	100	286	371	2157	1146
	315S	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	65	286	371	2272	1348
	315M	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	65	286	371	2410	1603
	315L	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	65	286	371	2410	1658
	355L	11	300	250	300	779	600	500	2300	350	1600	820	750	140	30	18	25	25	286	371	2643	2407

Quote e pesi possono variare senza preavviso
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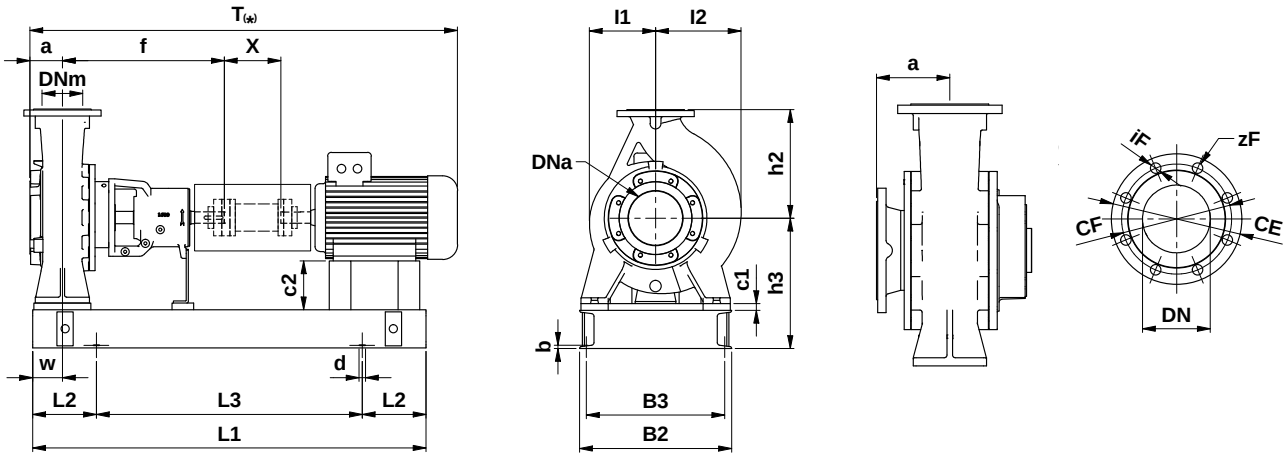
(*) Length and weight may vary, it depends by the motor brand

Ingombri su base con giunto spaziatore
Overall dimensions on base with spacer coupling

Girante vortex
Vortex impeller

Grandezze | *Size:* 32-16, 32-20, 50-16, 50-20, 50-25, 65-20, 80-20, 80-20S, 80-25, 80-31, 100-25, 125-25, 125-31, 150-31

Solo per grandezze | Only *size:* 150-35, 200-35, 250-35



Lunghezza giunto spaziatore *Spacer coupling lenght*																
Pompa tipo *Pump size*	**32-16**	**32-20**	**50-16**	**50-20**	**50-25**	**65-20**	**80-20**	**80-25**	**80-31**	**100-25**	**125-25**	**125-31**	**150-31**	**150-35**	**200-35**	**250-35**
Gruppo supporto (mm) *Bearing housing group (mm)*	GR1	GR1	GR1	GR2	GR2	GR2	GR2	GR2	GR3	GR2	GR2	GR3	GR3	GR4	GR4	GR4
X	100	100	100	100	100	140	140	140	140	140	140	140	200	200	200	200

Dimensioni Flange *Dimensions Flange EN1092-1/2 PN10*										
DNa-DNm	32	50	65	80	100	125	150	200	250	300
CF	100	125	145	160	180	210	240	295	350	400
DE	140	165	185	200	220	250	285	340	395	445
iF	18	18	18	18	18	18	22	23	23	23
zF	4	4	4	8	8	8	8	8	12	12

Accoppiamento potenza – polarità/grandezza motore *Power – polarity/motor size coupling*																											
Poli	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW
2	71	80	80	90S	90L	100L	112M	132S	132S	132M	160M	160M	160L	180M	200L	200L	225M	250M	280S	280M	315S	315M	-	-	-	-	-
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22	30	37	45	55	75	90	110	132	-	-	-	-	-
4	80	80	90S	90L	100L	100L	112M	132S	132M	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M	315M	315L	355L	355L	355L
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22	30	37	45	55	75	90	110	132	160	200	250	315	355
6	80	90S	90L	100L	112M	132S	132M	132M	160M	160L	180L	200L	200L	225M	250M	280S	280M	315S	315M	315L	315L	-	-	-	-	-	-
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	11	15	18,5	22	30	37	45	55	75	90	110	132	-	-	-	-	-	-

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

Ingombri su base con giunto spaziatore
Overall dimensions on base with spacer coupling

Girante vortex
Vortex impeller

Pompa tipo *Pump size*	Grandezza motore *Motor size*	Base *Base plate*	Dimensioni *Dimensions* (mm)																		Peso *Weight* (kg)(*)
			Dna	Dnm	a	f	h3	h2	L1	L2	L3	B2	B3	w	d	b	c1	c2	l1	l2	T(*)	
32-16	80	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	52	114	114	856	89
	90S	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	42	114	114	886,5	91
	90L	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	42	114	114	911	93
	100L	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	32	114	114	959	101
	112M	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	20	114	114	963	108
	132S	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	0	114	114	1035	121
	132M	2	50	32	48	418	252	160	1000	170	660	400	360	60	19	30	0	0	114	114	1072	132
	160M	3	50	32	48	418	280	160	1200	205	790	450	410	60	19	30	28	0	114	114	1181	214
	160L	3	50	32	48	418	280	160	1200	205	790	450	410	60	19	30	28	0	114	114	1225	227
32-20	80	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	80	135,5	135,5	855	95
	90S	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	70	135,5	135,5	885,5	97
	90L	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	70	135,5	135,5	910	99
	100L	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	60	135,5	135,5	958	107
	112M	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	48	135,5	135,5	962	114
	132S	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	28	135,5	135,5	1034	127
	132M	2	50	32	48	417	280	180	1000	170	660	400	360	60	19	30	0	28	135,5	135,5	1071	138
	160M	3	50	32	48	417	280	180	1200	205	790	450	410	60	19	30	0	0	135,5	135,5	1180	221
	160L	3	50	32	48	417	280	180	1200	205	790	450	410	60	19	30	0	0	135,5	135,5	1224	234
50-16	90S	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	70	121,5	121,5	902,5	94
	90L	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	70	121,5	121,5	927	96
	100L	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	60	121,5	121,5	975	104
	112M	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	48	121,5	121,5	979	111
	132S	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	28	121,5	121,5	1051	124
	132M	2	65	50	55	427	280	180	1000	170	660	400	360	60	19	30	0	28	121,5	121,5	1088	135
	160M	3	65	50	55	427	280	180	1200	205	790	450	410	60	19	30	0	0	121,5	121,5	1197	218
	160L	3	65	50	55	427	280	180	1200	205	790	450	410	60	19	30	0	0	121,5	121,5	1241	231
50-20	100L	2	65	50	55	532	280	200	1000	170	660	400	360	60	19	30	0	60	141	141	1080	119
	112M	2	65	50	55	532	280	200	1000	170	660	400	360	60	19	30	0	48	141	141	1084	126
	132S	3	65	50	55	532	280	200	1200	205	790	450	410	60	19	30	0	28	141	141	1156	150
	132M	3	65	50	55	532	280	200	1200	205	790	450	410	60	19	30	0	28	141	141	1193	161
	160M	3	65	50	55	532	280	200	1200	205	790	450	410	60	19	30	0	0	141	141	1302	233
	160L	3	65	50	55	532	280	200	1200	205	790	450	410	60	19	30	0	0	141	141	1346	246
	180M	4	65	50	55	532	300	200	1500	245	1010	480	440	60	19	30	20	0	141	141	1322	301
	180L	4	65	50	55	532	300	200	1500	245	1010	480	440	60	19	30	20	0	141	141	1400	321
50-25	90S	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	90	175	175	1009,5	117
	90L	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	90	175	175	1034	119
	100L	2	65	50	55	534	300	225	1000	170	660	400	360	75	19	30	0	80	175	175	1082	127
	112M	3	65	50	55	534	300	225	1200	205	790	450	410	75	19	30	0	68	175	175	1086	145
	132S	3	65	50	55	534	300	225	1200	205	790	450	410	75	19	30	0	48	175	175	1158	158
	132M	3	65	50	55	534	300	225	1200	205	790	450	410	75	19	30	0	48	175	175	1195	169
	160M	3	65	50	55	534	300	225	1200	205	790	450	410	75	19	30	0	20	175	175	1304	241
	160L	3	65	50	55	534	300	225	1200	205	790	450	410	75	19	30	0	20	175	175	1348	254

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

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(*) Length and weight may vary, it depends by the motor brand

Ingombri su base con giunto spaziatore
Overall dimensions on base with spacer coupling

Girante vortex
Vortex impeller

Pompa tipo *Pump size*	Grandezza motore *Motor size*	Base *Base plate*	Dimensioni *Dimensions* (mm)																		Peso *Weight* (kg)(*)
			Dna	Dnm	a	f	h3	h2	L1	L2	L3	B2	B3	w	d	b	c1	c2	l1	l2	$T_{(*)}$	
65-20	100L	3	80	65	66	542	300	225	1200	205	790	450	410	75	19	30	0	80	150,5	150,5	1141	137
	112M	3	80	65	66	542	300	225	1200	205	790	450	410	75	19	30	0	68	150,5	150,5	1145	144
	132S	3	80	65	66	542	300	225	1200	205	790	450	410	75	19	30	0	48	150,5	150,5	1217	157
	132M	3	80	65	66	542	300	225	1200	205	790	450	410	75	19	30	0	48	150,5	150,5	1254	168
	160M	4	80	65	66	542	300	225	1500	245	1010	480	440	75	19	30	0	20	150,5	150,5	1363	250
	160L	4	80	65	66	542	300	225	1500	245	1010	480	440	75	19	30	0	20	150,5	150,5	1407	263
	200L	4	80	65	66	542	320	225	1500	245	1010	480	440	75	19	30	20	0	150,5	150,5	1514	391
80-20S	100L	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	80	159	159	1153	139
	112M	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	68	159	159	1157	146
	132S	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	48	159	159	1229	159
	132M	3	100	80	70	550	300	250	1200	205	790	450	410	75	19	30	0	48	159	159	1266	170
80-25	112M	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	113	176	176	1187	163
	132S	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	93	176	176	1259	176
	132M	5	100	80	75	575	345	280	1200	205	790	505	465	90	19	30	0	93	176	176	1296	187
	160M	7	100	80	75	575	390	280	1450	235	980	560	510	90	24	13	25	90	176	176	1405	268
	160L	7	100	80	75	575	390	280	1450	235	980	560	510	90	24	13	25	90	176	176	1449	281
	180M	7	100	80	75	575	390	280	1450	235	980	560	510	90	24	13	25	70	176	176	1425	326
	180L	7	100	80	75	575	390	280	1450	235	980	560	510	90	24	13	25	70	176	176	1503	346
80-31	132S	5	100	80	90	587	370	315	1200	205	790	505	465	90	19	30	0	118	205	227	1286	226
	132M	5	100	80	90	587	370	315	1200	205	790	505	465	90	19	30	0	118	205	227	1323	237
	160M	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	115	205	227	1432	318
	160L	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	115	205	227	1476	331
	180M	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	95	205	227	1452	376
	180L	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	95	205	227	1530	396
	200L	7	100	80	90	587	415	315	1450	235	980	560	510	90	24	13	25	75	205	227	1583	459
	225S	8	100	80	90	587	415	315	1590	235	1120	560	510	90	24	13	25	50	205	227	1618	507
	225M	8	100	80	90	587	415	315	1590	235	1120	560	510	90	24	13	25	50	205	227	1643	549
	250M	8	100	80	90	587	415	315	1590	235	1120	560	510	90	24	13	25	25	205	227	1705	666
100-25	132S	5	125	100	90	584	345	280	1200	205	790	505	465	90	19	30	0	93	183	216	1283	191
	132M	5	125	100	90	584	345	280	1200	205	790	505	465	90	19	30	0	93	183	216	1320	202
	160M	7	125	100	90	584	390	280	1450	235	980	560	510	90	24	13	25	90	183	216	1429	283
	160L	7	125	100	90	584	390	280	1450	235	980	560	510	90	24	13	25	90	183	216	1473	296
	180M	7	125	100	90	584	390	280	1450	235	980	560	510	90	24	13	25	70	183	216	1449	341
	180L	7	125	100	90	584	390	280	1450	235	980	560	510	90	24	13	25	70	183	216	1527	361
	200L	7	125	100	90	584	390	280	1450	235	980	560	510	90	24	13	25	50	183	216	1580	424
125-25	132S	6	150	125	112	597	415	355	1300	215	870	510	460	90	24	13	25	143	208	254	1318	215
	132M	6	150	125	112	597	415	355	1300	215	870	510	460	90	24	13	25	143	208	254	1355	226
	160M	7	150	125	112	597	415	355	1450	235	980	560	510	90	24	13	25	115	208	254	1464	305
	160L	7	150	125	112	597	415	355	1450	235	980	560	510	90	24	13	25	115	208	254	1508	318
	180M	7	150	125	112	597	415	355	1450	235	980	560	510	90	24	13	25	95	208	254	1484	363
	180L	7	150	125	112	597	415	355	1450	235	980	560	510	90	24	13	25	95	208	254	1562	383
	200L	7	150	125	112	597	415	355	1450	235	980	560	510	90	24	13	25	75	208	254	1615	446

Quote e pesi possono variare senza preavviso
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Ingombri su base con giunto spaziatore
Overall dimensions on base with spacer coupling

Girante vortex
Vortex impeller

Pompa tipo *Pump size*	Grandezza motore *Motor size*	Base *Base plate*	Dimensioni *Dimensions* (mm)																		Peso *Weight* (kg)(*)
			Dna	Dnm	a	f	h3	h2	L1	L2	L3	B2	B3	w	d	b	c1	c2	l1	l2	T(*)	
125-31	132M	6	150	125	112	600	445	355	1300	215	870	510	460	110	24	13	25	173	223	256	1358	259
	160M	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	145	223	256	1467	339
	160L	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	145	223	256	1511	352
	180M	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	125	223	256	1487	397
	180L	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	125	223	256	1565	417
	200L	7	150	125	112	600	445	355	1450	235	980	560	510	110	24	13	25	105	223	256	1618	480
	225S	8	150	125	112	600	445	355	1590	235	1120	560	510	110	24	13	25	80	223	256	1653	528
	225M	8	150	125	112	600	445	355	1590	235	1120	560	510	110	24	13	25	80	223	256	1678	570
	250M	8	150	125	112	600	445	355	1590	235	1120	560	510	110	24	13	25	55	223	256	1740	687
	280S	9	150	125	112	600	485	355	1900	260	1380	610	560	110	26	15	25	25	223	256	1880	871
150-31	160M	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	180	243	316	1532	364
	160L	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	180	243	316	1576	377
	180M	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	160	243	316	1552	422
	180L	7	200	150	120	597	480	400	1450	235	980	560	510	110	24	13	25	160	243	316	1630	442
	200L	8	200	150	120	597	480	400	1590	235	1120	560	510	110	24	13	25	140	243	316	1683	509
	225S	8	200	150	120	597	480	400	1590	235	1120	560	510	110	24	13	25	115	243	316	1718	554
	225M	8	200	150	120	597	480	400	1590	235	1120	560	510	110	24	13	25	115	243	316	1743	596
	250M	8	200	150	120	597	480	400	1590	235	1120	560	510	110	24	13	25	90	243	316	1805	713
	280S	9	200	150	120	597	520	400	1900	260	1380	610	560	110	26	15	25	60	243	316	1945	897
	280M	9	200	150	120	597	520	400	1900	260	1380	610	560	110	26	15	25	60	243	316	1995	950
	315S	10	200	150	120	597	520	400	2000	260	1480	710	660	110	26	15	25	25	243	316	2110	1165
150-35	180L	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	160	257	300	1865	571
	200L	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	140	257	300	1918	634
	225S	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	115	257	300	1953	679
	225M	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	115	257	300	1978	721
	250M	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	90	257	300	2040	838
	280S	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	60	257	300	2180	985
	280M	9	200	150	200	752	520	400	1900	260	1380	610	560	110	26	15	25	60	257	300	2230	1038
	315S	10	200	150	200	752	520	400	2000	260	1480	710	660	110	26	15	25	25	257	300	2345	1240
	315M	10	200	150	200	752	520	400	2000	260	1480	710	660	110	26	15	25	25	257	300	2483	1509
200-35	200L	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	180	275	352	1981	675
	225S	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	155	275	352	2016	720
	225M	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	155	275	352	2041	762
	250M	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	130	275	352	2103	879
	280S	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	100	275	352	2243	1026
	280M	9	250	200	250	765	560	450	1900	260	1380	610	560	110	26	15	25	100	275	352	2293	1079
	315S	10	250	200	250	765	560	450	2000	260	1480	710	660	110	26	15	25	65	275	352	2408	1295
	315M	10	250	200	250	765	560	450	2000	260	1480	710	660	110	26	15	25	65	275	352	2546	1550
250-35	200L	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	180	286	371	2045	742
	225S	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	155	286	371	2080	787
	225M	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	155	286	371	2105	829
	250M	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	130	286	371	2167	946
	280S	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	100	286	371	2307	1093
	280M	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	100	286	371	2357	1146
	315S	10	300	250	300	779	560	500	2000	260	1480	710	660	140	26	15	25	65	286	371	2472	1348
	315M	11	300	250	300	779	600	500	2300	350	1600	820	750	140	30	18	25	65	286	371	2610	1672
	315L	11	300	250	300	779	600	500	2300	350	1600	820	750	140	30	18	25	65	286	371	2610	1727
	355L	11	300	250	300	779	600	500	2300	350	1600	820	750	140	30	18	25	25	286	371	2843	2407

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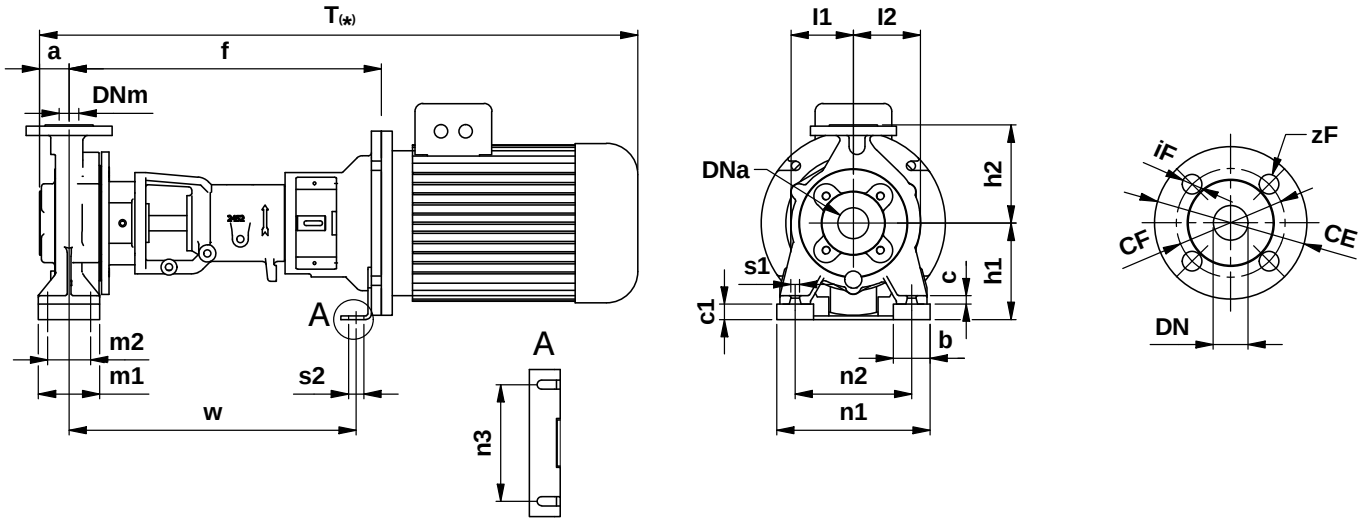
Ingombri lanternata
Lantern bracket overall dimensions

Girante vortex
Vortex impeller



Dimensioni Flange *Dimensions Flange EN1092-1 PN16*							
DNa-DNm	32	50	65	80	100	125	150
CF	100	125	145	160	180	210	240
DE	140	165	185	200	220	250	285
iF	18	18	18	18	18	18	22
zF	4	4	4	8	8	8	8

Accoppiamento potenza – polarità/grandezza motore *Power – polarity/motor size coupling*														
Poli	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW
2	71	80	80	90S	90L	100L	112M	132S	132S	132M	160M	160M	160L	180M
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22
4	80	80	90S	90L	100L	100L	112M	132S	132M	132M	160M	160L	180M	180L
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22
6	80	90S	90L	100L	112M	132S	132M	132M	160M	160L	180L	-	-	-
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	11	15	-	-	-

Pompa tipo *Pump size*	**Grandezza motore** *Motor size*	**Dimensioni** *Dimensions* (mm)																			**Peso** *Weight* (kg)(*)
		Dna	**Dnm**	**a**	**f**	**h1**	**h2**	**b**	**m1**	**m2**	**n1**	**n2**	**n3**	**w**	**s1**	**s2**	**c**	**c1**	**l1**	**l2**	**T(*)**	
32-16	80	50	32	48	469	132	160	50	100	70	240	190	110	426	14	15	14	0	114	114	799	53
	90	50	32	48	469	132	160	50	100	70	240	190	110	426	14	15	14	0	114	114	854	57
	100	50	32	48	489	132	160	50	100	70	240	190	110	426	14	15	14	0	114	114	922	72
	112	50	32	48	489	132	160	50	100	70	240	190	110	426	14	15	14	0	114	114	926	79
	132	50	32	48	509	132	160	50	100	70	240	190	190	468	14	15	14	25	114	114	1055	101

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

Ingombri lanternata
Lantern bracket overall dimensions

Girante vortex
Vortex impeller

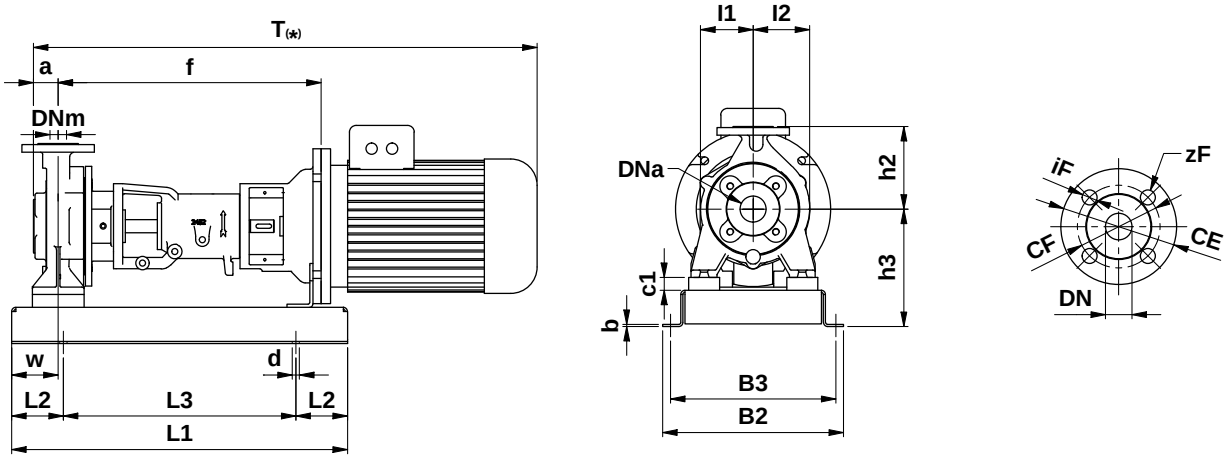
Pompa tipo *Pump size*	Grandezza motore *Motor size*	Dimensioni *Dimensions* (mm)																			Peso *Weight* (kg)(*)
		Dna	Dnm	a	f	h1	h2	b	m1	m2	n1	n2	n3	w	s1	s2	c	c1	l1	l2	T(*)	
32-20	80	50	32	48	468	160	180	50	100	70	240	190	110	427	14	15	14	0	135,5	135,5	798	60
	90	50	32	48	468	160	180	50	100	70	240	190	110	427	14	15	14	0	135,5	135,5	853	64
	100	50	32	48	488	160	180	50	100	70	240	190	110	427	14	15	14	0	135,5	135,5	921	79
	112	50	32	48	488	160	180	50	100	70	240	190	110	427	14	15	14	0	135,5	135,5	925	86
	132	50	32	48	508	160	180	50	100	70	240	190	190	469	14	15	14	0	135,5	135,5	1054	108
	160	50	32	48	538	160	180	50	100	70	240	190	212	488	14	19	14	0	135,5	135,5	1237	199
50-16	90	65	50	55	478	160	180	50	100	70	265	212	110	436	14	15	14	0	121,5	121,5	870	60
	100	65	50	55	498	160	180	50	100	70	265	212	110	436	14	15	14	0	121,5	121,5	938	75
	112	65	50	55	498	160	180	50	100	70	265	212	110	436	14	15	14	0	121,5	121,5	942	82
	132	65	50	55	518	160	180	50	100	70	265	212	190	478	14	15	14	0	121,5	121,5	1071	104
	160	65	50	55	548	160	180	50	100	70	265	212	212	497	14	19	14	0	121,5	121,5	1254	196
50-20	100	65	50	55	594	160	200	50	100	70	265	212	110	546	14	15	14	0	141	141	1034	87
	112	65	50	55	594	160	200	50	100	70	265	212	110	546	14	15	14	0	141	141	1038	94
	132	65	50	55	614	160	200	50	100	70	265	212	190	573	14	15	14	0	141	141	1167	120
	160	65	50	55	644	160	200	50	100	70	265	212	212	591	14	19	14	20	141	141	1350	212
50-25	100	65	50	55	596	180	225	65	125	95	320	250	110	549	14	15	14	0	175	175	1036	95
	112	65	50	55	596	180	225	65	125	95	320	250	110	549	14	15	14	0	175	175	1040	102
	132	65	50	55	616	180	225	65	125	95	320	250	190	576	14	15	14	0	175	175	1169	128
	160	65	50	55	646	180	225	65	125	95	320	250	212	594	14	19	14	0	175	175	1352	219
65-20	100	80	65	66	604	180	225	65	125	95	320	250	110	557	14	15	16	0	150,5	150,5	1055	94
	112	80	65	66	604	180	225	65	125	95	320	250	110	557	14	15	16	0	150,5	150,5	1059	101
	132	80	65	66	624	180	225	65	125	95	320	250	190	584	14	15	16	0	150,5	150,5	1188	127
	160	80	65	66	654	180	225	65	125	95	320	250	212	602	14	19	16	0	150,5	150,5	1371	218
80-20S	100	100	80	70	612	180	250	65	125	95	345	280	110	564	14	15	16	0	159	159	1067	96
	112	100	80	70	612	180	250	65	125	95	345	280	110	564	14	15	16	0	159	159	1071	103
	132	100	80	70	632	180	250	65	125	95	345	280	190	591	14	15	16	0	159	159	1200	129
	160	100	80	70	662	180	250	65	125	95	345	280	212	609	14	19	16	0	159	159	1383	221
	180	100	80	70	662	180	250	65	125	95	345	280	212	609	14	19	16	0	159	159	1437	286
80-25	112	100	80	75	637	225	280	70	160	120	395	315	110	590	18	15	18	0	176	176	1101	119
	132	100	80	75	657	225	280	70	160	120	395	315	190	617	18	15	18	0	176	176	1230	145
	160	100	80	75	687	225	280	70	160	120	395	315	212	635	18	19	18	0	176	176	1413	237
	180	100	80	75	687	225	280	70	160	120	395	315	212	635	18	19	18	0	176	176	1467	302
80-31	112	100	80	90	654	250	315	80	160	120	400	315	110	607	18	15	18	0	205	227	1133	176
	132	100	80	90	674	250	315	80	160	120	400	315	190	634	18	15	18	0	205	227	1262	202
	160	100	80	90	704	250	315	80	160	120	400	315	212	653	18	19	18	0	205	227	1445	294
	180	100	80	90	704	250	315	80	160	120	400	315	212	653	18	19	18	0	205	227	1499	359
100-25	112	125	100	90	646	225	280	80	160	120	400	315	110	600	18	15	18	0	183	216	1125	134
	132	125	100	90	666	225	280	80	160	120	400	315	190	627	18	15	18	0	183	216	1254	160
	160	125	100	90	696	225	280	80	160	120	400	315	212	645	18	19	18	0	183	216	1437	252
	180	125	100	90	696	225	280	80	160	120	400	315	212	645	18	19	18	0	183	216	1491	317
125-25	112	150	125	112	659	250	355	80	160	120	400	315	110	613	18	15	18	0	208	254	1160	156
	132	150	125	112	679	250	355	80	160	120	400	315	190	640	18	15	18	0	208	254	1289	182
	160	150	125	112	709	250	355	80	160	120	400	315	212	658	18	19	18	0	208	254	1472	274
	180	150	125	112	709	250	355	80	160	120	400	315	212	658	18	19	18	0	208	254	1526	339
125-31	112	150	125	112	667	280	355	100	200	160	500	400	110	620	23	15	20	0	223	256	1168	197
	132	150	125	112	687	280	355	100	200	160	500	400	190	647	23	15	20	0	223	256	1297	223
	160	150	125	112	717	280	355	100	200	160	500	400	212	666	23	19	20	0	223	256	1480	315
	180	150	125	112	717	280	355	100	200	160	500	400	212	666	23	19	20	0	223	256	1534	380
150-31	112	200	150	120	664	315	400	100	200	150	550	450	110	614	24	15	22	0	243	316	1173	223
	132	200	150	120	684	315	400	100	200	150	550	450	190	641	24	15	22	0	243	316	1302	249
	160	200	150	120	714	315	400	100	200	150	550	450	212	660	24	19	22	0	243	316	1485	340
	180	200	150	120	714	315	400	100	200	150	550	450	212	660	24	19	22	0	243	316	1539	405

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

Ingombri lanternata su base
Lantern bracket on base overall dimensions

Girante vortex
Vortex impeller



Dimensioni Flange *Dimensions Flange EN1092-1/2 PN10*							
DNa-DNm	32	50	65	80	100	125	150
CF	100	125	145	160	180	210	240
CE	140	165	185	200	220	250	285
iF	18	18	18	18	18	18	22
zF	4	4	8	8	8	8	8

Accoppiamento potenza – polarità/grandezza motore *Power – polarity/motor size coupling*														
Poli	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW
2	71	80	80	90S	90L	100L	112M	132S	132S	132M	160M	160M	160L	180M
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22
4	80	80	90S	90L	100L	100L	112M	132S	132M	132M	160M	160L	180M	180L
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22
6	80	90S	90L	100L	112M	132S	132M	132M	160M	160L	180L	-	-	-
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	11	15	-	-	-

Pompa tipo *Pump size*	**Grandezza motore** *Motor size*	**Base** *Base plate*	**Dimensioni** *Dimensions* (mm)																		**Peso** *Weight* (kg)(*)
			Dna	**Dnm**	**a**	**f**	**h1**	**h2**	**h3**	**L1**	**L2**	**L3**	**B2**	**B3**	**w**	**d**	**b**	**c1**	**I1**	**I2**	$T_{(*)}$	
32-16	80	G1	50	32	48	469	132	160	202	650	100	450	350	320	90	14	4	0	114	114	799	63
	90	G1	50	32	48	469	132	160	202	650	100	450	350	320	90	14	4	0	114	114	854	67
	100	G1	50	32	48	489	132	160	202	650	100	450	350	320	90	14	4	0	114	114	922	82
	112	G1	50	32	48	489	132	160	202	650	100	450	350	320	90	14	4	0	114	114	926	89
	132	G1	50	32	48	509	132	160	202	650	100	450	350	320	90	14	4	25	114	114	1055	111

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

Ingombri lanternata su base
Lantern bracket on base overall dimensions

Girante vortex
Vortex impeller

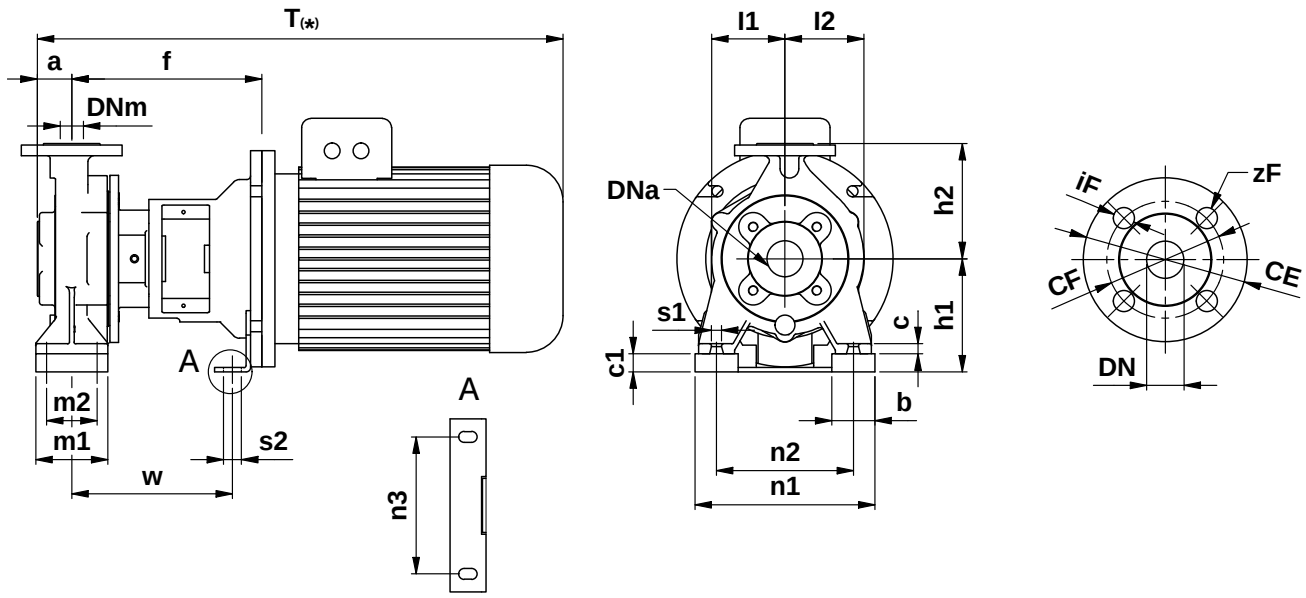
Pompa tipo *Pump size*	Grandezza motore *Motor size*	Base *Base plate*	Dimensioni *Dimensions* (mm)																		Peso *Weight* (kg)(*)
			Dna	Dnm	a	f	h1	h2	h3	L1	L2	L3	B2	B3	w	d	b	c1	l1	l2	T(*)	
32-20	80	G1	50	32	48	468	160	180	230	650	100	450	350	320	90	14	4	0	135,5	135,5	798	70
	90	G1	50	32	48	468	160	180	230	650	100	450	350	320	90	14	4	0	135,5	135,5	853	74
	100	G1	50	32	48	488	160	180	230	650	100	450	350	320	90	14	4	0	135,5	135,5	921	89
	112	G1	50	32	48	488	160	180	230	650	100	450	350	320	90	14	4	0	135,5	135,5	925	96
	132	G1	50	32	48	508	160	180	230	650	100	450	350	320	90	14	4	0	135,5	135,5	1054	118
	160	G1	50	32	48	538	160	180	230	650	100	450	350	320	90	14	4	20	135,5	135,5	1237	209
50-16	90	G1	65	50	55	478	160	180	230	650	100	450	350	320	90	14	4	0	121,5	121,5	870	71
	100	G1	65	50	55	498	160	180	230	650	100	450	350	320	90	14	4	0	121,5	121,5	938	86
	112	G1	65	50	55	498	160	180	230	650	100	450	350	320	90	14	4	0	121,5	121,5	942	93
	132	G1	65	50	55	518	160	180	230	650	100	450	350	320	90	14	4	0	121,5	121,5	1071	115
	160	G1	65	50	55	548	160	180	230	650	100	450	350	320	90	14	4	20	121,5	121,5	1254	206
50-20	100	G2	65	50	55	594	160	200	230	850	150	550	510	460	120	16	6	0	141	141	1034	110
	112	G2	65	50	55	594	160	200	230	850	150	550	510	460	120	16	6	0	141	141	1038	117
	132	G2	65	50	55	614	160	200	230	850	150	550	510	460	120	16	6	0	141	141	1167	143
	160	G2	65	50	55	644	160	200	230	850	150	550	510	460	120	16	6	20	141	141	1350	234
50-25	100	G2	65	50	55	596	180	225	250	850	150	550	510	460	120	16	6	0	175	175	1036	118
	112	G2	65	50	55	596	180	225	250	850	150	550	510	460	120	16	6	0	175	175	1040	125
	132	G2	65	50	55	616	180	225	250	850	150	550	510	460	120	16	6	0	175	175	1169	151
	160	G2	65	50	55	646	180	225	250	850	150	550	510	460	120	16	6	0	175	175	1352	242
65-20	100	G2	80	65	66	604	180	225	250	850	150	550	510	460	120	16	6	0	150,5	150,5	1055	117
	112	G2	80	65	66	604	180	225	250	850	150	550	510	460	120	16	6	0	150,5	150,5	1059	124
	132	G2	80	65	66	624	180	225	250	850	150	550	510	460	120	16	6	0	150,5	150,5	1188	150
	160	G2	80	65	66	654	180	225	250	850	150	550	510	460	120	16	6	0	150,5	150,5	1371	241
80-20S	100	G2	100	80	68	612	180	250	250	850	150	550	510	460	120	16	6	0	159	159	1065	119
	112	G2	100	80	70	612	180	250	250	850	150	550	510	460	120	16	6	0	159	159	1071	126
	132	G2	100	80	70	632	180	250	250	850	150	550	510	460	120	16	6	0	159	159	1200	152
	160	G2	100	80	70	662	180	250	250	850	150	550	510	460	120	16	6	0	159	159	1383	244
	180	G2	100	80	70	662	180	250	250	850	150	550	510	460	120	16	6	0	159	159	1437	309
80-25	112	G2	100	80	75	637	225	280	295	850	150	550	510	460	120	16	6	0	176	176	1101	142
	132	G2	100	80	75	657	225	280	295	850	150	550	510	460	120	16	6	0	176	176	1230	168
	160	G2	100	80	75	687	225	280	295	850	150	550	510	460	120	16	6	0	176	176	1413	260
	180	G2	100	80	75	687	225	280	295	850	150	550	510	460	120	16	6	0	176	176	1467	325
80-31	112	G3	100	80	90	654	250	315	350	1000	200	600	650	590	140	20	8	0	205	227	1133	240
	132	G3	100	80	90	674	250	315	350	1000	200	600	650	590	140	20	8	0	205	227	1262	266
	160	G3	100	80	90	704	250	315	350	1000	200	600	650	590	140	20	8	0	205	227	1445	357
	180	G3	100	80	90	704	250	315	350	1000	200	600	650	590	140	20	8	0	205	227	1499	422
100-25	112	G2	125	100	90	646	225	280	295	850	150	550	510	460	120	16	6	0	183	216	1125	157
	132	G2	125	100	90	666	225	280	295	850	150	550	510	460	120	16	6	0	183	216	1254	183
	160	G2	125	100	90	696	225	280	295	850	150	550	510	460	120	16	6	0	183	216	1437	275
	180	G2	125	100	90	696	225	280	295	850	150	550	510	460	120	16	6	0	183	216	1491	340
125-25	112	G2	150	125	112	659	250	355	320	850	150	550	510	460	120	16	6	0	208	254	1160	179
	132	G2	150	125	112	679	250	355	320	850	150	550	510	460	120	16	6	0	208	254	1289	205
	160	G2	150	125	112	709	250	355	320	850	150	550	510	460	120	16	6	0	208	254	1472	297
	180	G2	150	125	112	709	250	355	320	850	150	550	510	460	120	16	6	0	208	254	1526	362
125-31	112	G3	150	125	112	667	280	355	380	1000	200	600	650	590	140	20	8	0	223	256	1168	260
	132	G3	150	125	112	687	280	355	380	1000	200	600	650	590	140	20	8	0	223	256	1297	286
	160	G3	150	125	112	717	280	355	380	1000	200	600	650	590	140	20	8	0	223	256	1480	378
	180	G3	150	125	112	717	280	355	380	1000	200	600	650	590	140	20	8	0	223	256	1534	443
150-31	112	G3	200	150	120	664	315	400	415	1000	200	600	650	590	140	20	8	0	243	316	1173	286
	132	G3	200	150	120	684	315	400	415	1000	200	600	650	590	140	20	8	0	243	316	1302	312
	160	G3	200	150	120	714	315	400	415	1000	200	600	650	590	140	20	8	0	243	316	1485	403
	180	G3	200	150	120	714	315	400	415	1000	200	600	650	590	140	20	8	0	243	316	1539	468

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

Ingombri monoblocco
Close coupled overall dimensions

Girante vortex
Vortex impeller



Dimensioni Flange *Dimensions Flange EN1092-1 PN16*							
DNa-DNm	32	50	65	80	100	125	150
CF	100	125	145	160	180	210	240
CE	140	165	185	200	220	250	285
iF	18	18	18	18	18	18	22
zF	4	4	4	8	8	8	8

Accoppiamento potenza – polarità/grandezza motore *Power – polarity/motor size coupling*														
Poli	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW	G/kW
2	71	80	80	90S	90L	100L	112M	132S	132S	132M	160M	160M	160L	180M
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22
4	80	80	90S	90L	100L	100L	112M	132S	132M	132M	160M	160L	180M	180L
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	9,2	11	15	18,5	22
6	80	90S	90L	100L	112M	132S	132M	132M	160M	160L	180L	-	-	-
	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5	11	15	-	-	-

Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

Ingombri monoblocco
Close coupled overall dimensions

Girante vortex
Vortex impeller

Pompa tipo *Pump size*	Grandezza motore *Motor size*	Dimensioni *Dimensions* (mm)																			Peso *Weight* (kg)(*)
		Dna	Dnm	a	f	h1	h2	b	m1	m2	n1	n2	n3	w	s1	s2	c	c1	l1	l2	T(*)	
32-16	80	50	32	48	224	132	160	50	100	70	240	190	110	181	14	15	14	0	114	114	578	51
	90	50	32	48	224	132	160	50	100	70	240	190	110	181	14	15	14	0	114	114	633	55
	100	50	32	48	244	132	160	50	100	70	240	190	110	181	14	15	14	0	114	114	681	70
	112	50	32	48	244	132	160	50	100	70	240	190	110	181	14	15	14	0	114	114	685	77
	132	50	32	48	264	132	160	50	100	70	240	190	190	223	14	15	14	25	114	114	794	99
32-20	80	50	32	48	223	160	180	50	100	70	240	190	110	182	14	15	14	0	136	136	626	57
	90	50	32	48	223	160	180	50	100	70	240	190	110	182	14	15	14	0	136	136	681	61
	100	50	32	48	243	160	180	50	100	70	240	190	110	182	14	15	14	0	136	136	729	76
	112	50	32	48	243	160	180	50	100	70	240	190	110	182	14	15	14	0	136	136	733	83
	132	50	32	48	263	160	180	50	100	70	240	190	190	224	14	15	14	0	136	136	842	105
	160	50	32	48	293	160	180	50	100	70	240	190	212	243	14	19	14	0	136	136	995	197
50-16	90	65	50	55	233	160	180	50	100	70	265	212	110	191	14	15	14	0	122	122	681	58
	100	65	50	55	253	160	180	50	100	70	265	212	110	191	14	15	14	0	122	122	729	73
	112	65	50	55	253	160	180	50	100	70	265	212	110	191	14	15	14	0	122	122	733	80
	132	65	50	55	273	160	180	50	100	70	265	212	190	233	14	15	14	0	122	122	842	102
	160	65	50	55	303	160	180	50	100	70	265	212	212	252	14	19	14	0	122	122	995	194
50-20	100	65	50	55	279	160	200	50	100	70	265	212	110	231	14	15	14	0	141	141	749	84
	112	65	50	55	279	160	200	50	100	70	265	212	110	231	14	15	14	0	141	141	753	91
	132	65	50	55	299	160	200	50	100	70	265	212	190	258	14	15	14	0	141	141	862	117
	160	65	50	55	329	160	200	50	100	70	265	212	212	276	14	19	14	20	141	141	1015	209
50-25	100	65	50	55	281	180	225	65	125	95	320	250	110	234	14	15	14	0	175	175	794	92
	112	65	50	55	281	180	225	65	125	95	320	250	110	234	14	15	14	0	175	175	798	99
	132	65	50	55	301	180	225	65	125	95	320	250	190	261	14	15	14	0	175	175	907	125
	160	65	50	55	331	180	225	65	125	95	320	250	212	279	14	19	14	0	175	175	1060	217
65-20	100	80	65	66	289	180	225	65	125	95	320	250	110	242	14	15	16	0	151	151	794	91
	112	80	65	66	289	180	225	65	125	95	320	250	110	242	14	15	16	0	151	151	798	98
	132	80	65	66	309	180	225	65	125	95	320	250	190	269	14	15	16	0	151	151	907	124
	160	80	65	66	339	180	225	65	125	95	320	250	212	287	14	19	16	0	151	151	1060	216
80-20S	90	100	80	68	308,5	180	250	65	125	95	345	280	110	249	14	15	16	0	159	159	771	78
	100	100	80	70	297	180	250	65	125	95	345	280	110	249	14	15	16	0	159	159	819	94
	112	100	80	70	297	180	250	65	125	95	345	280	110	249	14	15	16	0	159	159	823	101
	132	100	80	70	317	180	250	65	125	95	345	280	190	276	14	15	16	0	159	159	932	127
	160	100	80	70	347	180	250	65	125	95	345	280	212	294	14	19	16	0	159	159	1085	218
	180	100	80	70	347	180	250	65	125	95	345	280	212	294	14	19	16	0	159	159	1139	283
80-25	112	100	80	75	322	225	280	70	160	120	395	315	110	275	18	15	18	0	176	176	898	117
	132	100	80	75	342	225	280	70	160	120	395	315	190	302	18	15	18	0	176	176	1007	143
	160	100	80	75	372	225	280	70	160	120	395	315	212	320	18	19	18	0	176	176	1160	234
	180	100	80	75	372	225	280	70	160	120	395	315	212	320	18	19	18	0	176	176	1214	299
100-25	112	125	100	90	331	225	280	80	160	120	400	315	110	285	18	15	18	0	183	216	898	132
	132	125	100	90	351	225	280	80	160	120	400	315	190	312	18	15	18	0	183	216	1007	158
	160	125	100	90	381	225	280	80	160	120	400	315	212	330	18	19	18	0	183	216	1160	249
	180	125	100	90	381	225	280	80	160	120	400	315	212	330	18	19	18	0	183	216	1214	314
125-25	112	150	125	112	344	250	355	80	160	120	400	315	110	298	18	15	18	0	208	254	998	154
	132	150	125	112	364	250	355	80	160	120	400	315	190	325	18	15	18	0	208	254	1107	180
	160	150	125	112	394	250	355	80	160	120	400	315	212	343	18	19	18	0	208	254	1260	271
	180	150	125	112	394	250	355	80	160	120	400	315	212	343	18	19	18	0	208	254	1314	336

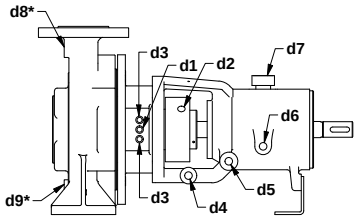
Quote e pesi possono variare senza preavviso
Dimensions and weights can change without prior notice

(*) Lunghezza e peso possono variare in funzione della marca del motore
(*) Length and weight may vary, it depends by the motor brand

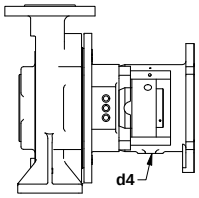
Connessioni
Connection

Girante vortex
Vortex impeller

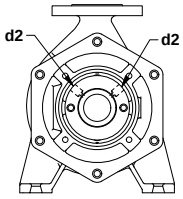
Connessioni pompa con supporto cuscinetti
Pump connections with bearing housing



Connessioni pompa monoblocco
Close coupled pump connections

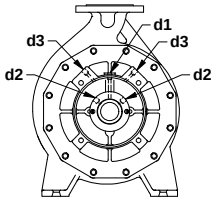


Connessioni camera di raffredamento o riscaldamento tenute
Seal cooling/heating jacket connections



Solo per | *Only for*
80-31, 125-31,
150-31, 150-35,
200-35, 250-35

Connessioni camera di raffredamento o riscaldamento tenute
Seal cooling/heating jacket connections



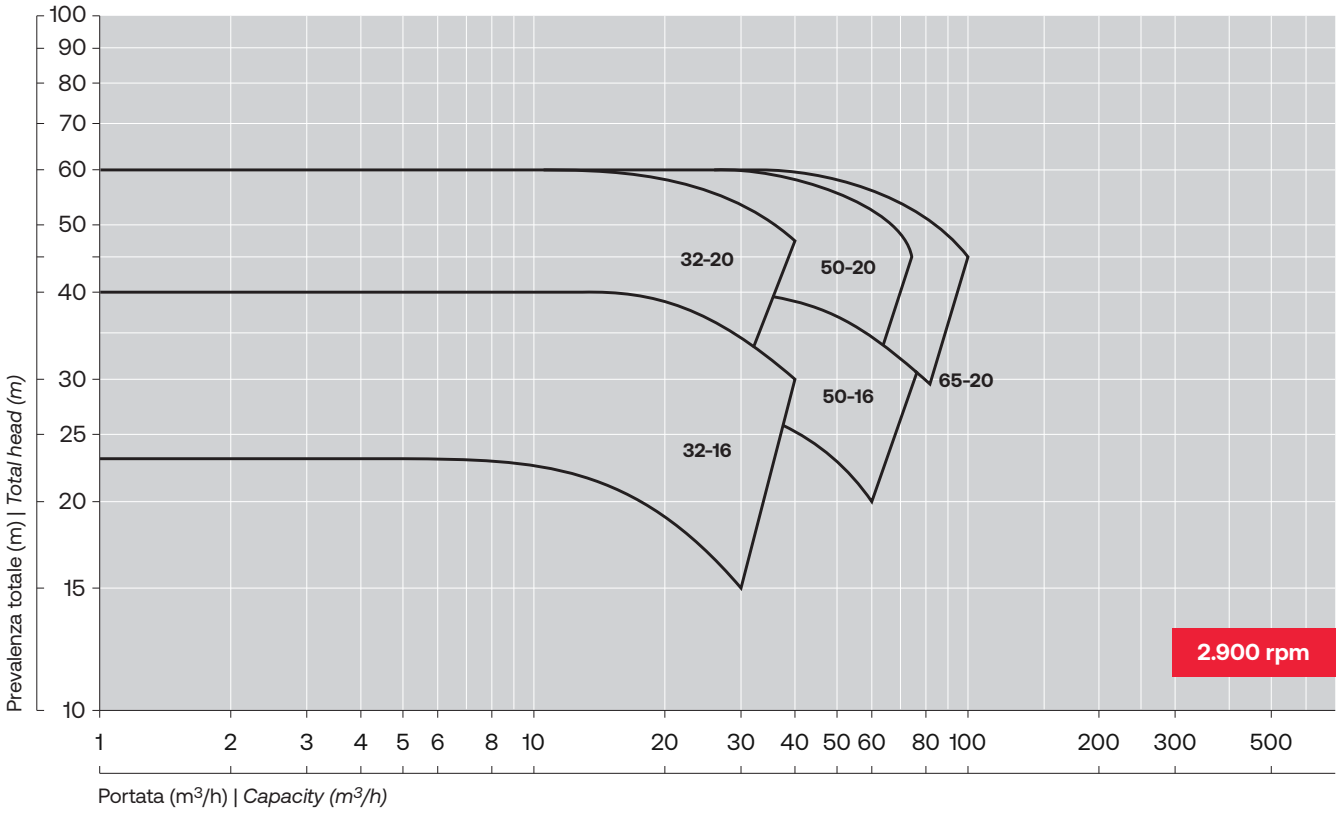
Pompa Tipo Pump Size	Gruppo supporto Bearing Housing	Connessioni *Connections holes*								
		d1	d2	d3	d4	d5	d6	d7	d8(*)	d9(*)
32-16	GR1	1/4	1/4	1/4	1/4	1/4	1/4	18	1/4	1/4
32-20	GR1	1/4	1/4	1/4	1/4	1/4	1/4	18	1/4	1/4
50-16	GR1	1/4	1/4	1/4	1/4	1/4	1/4	18	1/4	1/4
50-20	GR2	1/4	1/4	3/8	1/4	1/4	1/4	18	1/4	3/8
50-25	GR2	1/4	1/4	3/8	1/4	1/4	1/4	18	1/4	3/8
65-20	GR2	1/4	1/4	3/8	1/4	1/4	1/4	18	1/4	3/8
80-20	GR2	1/4	1/4	3/8	1/4	1/4	1/4	18	1/4	3/8
80-25	GR2	1/4	1/4	3/8	1/4	1/4	1/4	18	1/4	3/8
80-31	GR3	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	1/2
100-25	GR2	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	1/2
125-25	GR2	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	1/2
125-31	GR3	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	1/2
150-31	GR3	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	1/2
150-35	GR4	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	1/2
200-35	GR4	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	3/4
250-35	GR4	1/4	1/4	3/8	1/4	1/4	1/4	18	1/2	1

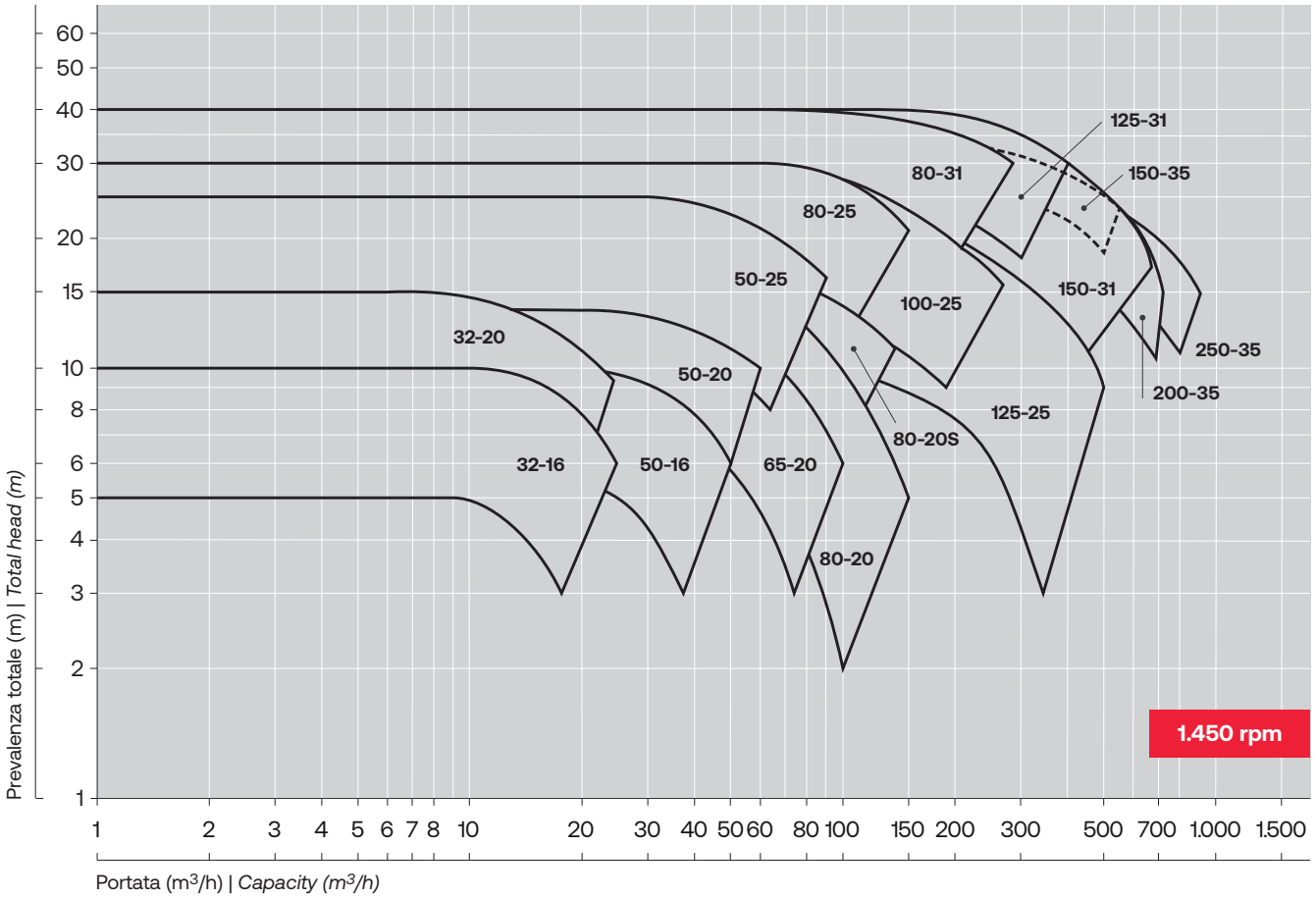
d1	Entrata liquido dispositivo di tenuta	*Flushing sealing device intlet*
d2	Ingresso/Uscita liquido dispositivo di tenuta	*Flushing sealing device Inlet/Outlet*
d3	Ingresso/Uscita liquido di raff. cassastoppa	*Stuffing box cooling water Inlet/Outlet*
d4	Scarico liquido di gocciolamaneto tenuta	*Seal drain*
d5	Svuotamento olio lubrificante cuscinetti	*Bearing lubricating oil drain*
d6	Attacco oliatore a livello costante	*Costant level oil cup connection*
d7	Tappo di sfiato con astina	*Oil dipstick*
d8(*)	Attacco manometro	*Pressure gauge connection*
d9(*)	Scarico liquido	*Casing drain*

(*) Standard per GR4, a richiesta su altre taglie
(*) Standard for GR4 sizes, on demand for the others

Campi di applicazione
Coverage chart

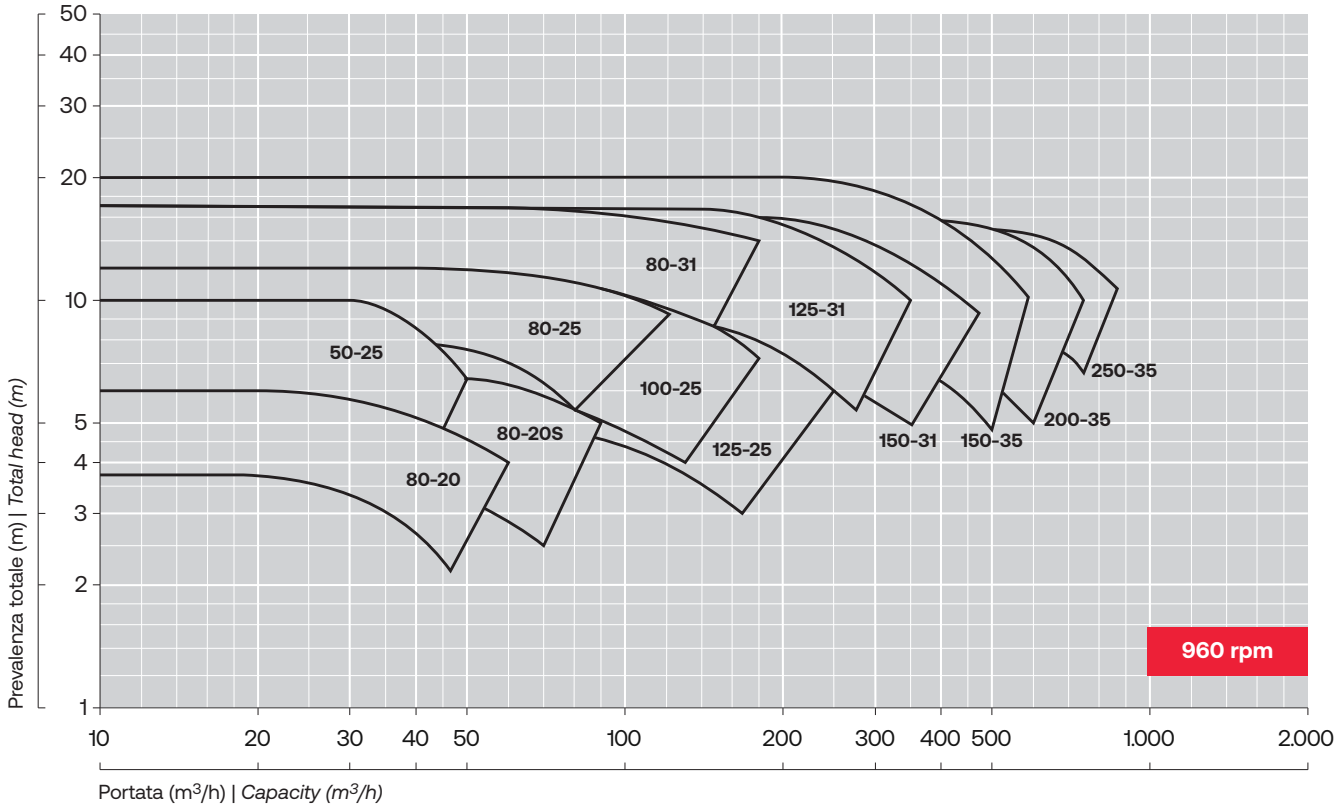
Girante vortex
Vortex impeller





Campi di applicazione
Coverage chart

Girante vortex
Vortex impeller



Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

Curve prestazionali redatte secondo classe di accettabilità ISO 9906 - Classe 2B.

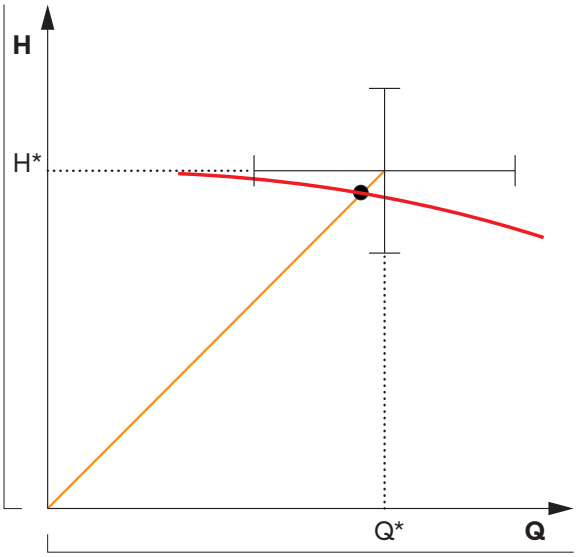
I valori di NPSH mostrati si riferiscono ad una caduta di prevalenza totale pari al 3%.
Per portate inferiori a Q=0,3 x Qopt. non è possibile fornire valori attendibili di NPSH.
I valori di prevalenza, potenza, NPSH e rendimento si riferiscono a liquidi con densità relativa pari a 1,0 ed una viscosità cinematica massima di 20 mm^2/s.
In caso di densità relativa (ro) diversa da 1.0 sarà necessario moltiplicare il valore della potenza per "ro" e dividere di conseguenza il rendimento per "ro".

Se la viscosità supera i 20 mm^2/s, dovranno essere valutati gli effetti della viscosità sui parametri prestazionali della pompa e considerare i relativi dati con acqua fredda.
Le curve prestazionali si riferiscono a pompe ad asse orizzontale in esecuzione Asse Nudo e tenuta meccanica singola; per configurazioni diverse (cuscinetti maggiorati, tenute meccaniche doppie, pompe ad asse verticale, ecc..) il rendimento della pompa potrebbe differire da quello indicato a catalogo.

Performance curves according to ISO 9906 - Grade 2B acceptability class.

The given NPSH values correspond to a total head drop of 3%. For flow rates below Q = 0.3 x Qopt., no reliable NPSH values can be provided.
Head, power, NPSH and efficiency values refer to liquids with a relative density of 1.0 and a maximum kinematic viscosity of 20 mm^2/s.
In case of a different relative density (ro) than 1.0, it will be necessary to multiply the power value by "ro" and, accordingly, divide the efficiency by "ro".

If the viscosity exceeds 20 mm^2/s, the effects of viscosity on the pump's performance parameters must be evaluated, considering the related data with cold water.
The performance curves refer to horizontal pumps with bare shaft execution and single mechanical seal.
For different configurations (oversized bearings, double mechanical seals, vertical-axis pumps, etc.), the pump's efficiency may differ from the one indicated in the catalogue.



ISO 9906 Classe 2B *Grade 2B*	ΔQ	±8%
	ΔH	±5%

Curve prestazionali
Performance curves

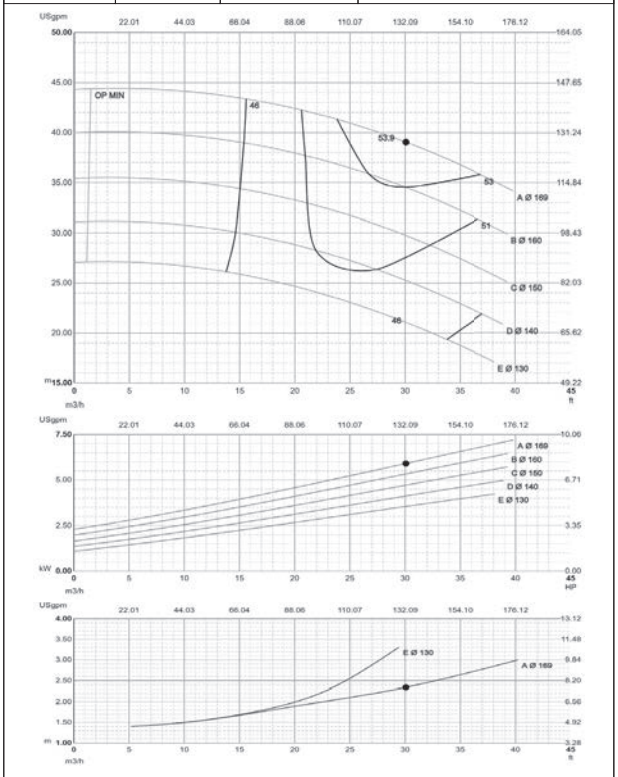
Girante vortex
Vortex impeller

RC 32-16

Ref.Speed (rpm) 2.920

Curve n.: T-1116b
Valid from: 19/apr/21

Max Diameter (mm): 169	**Min Diameter (mm):** 125	**Impeller Type:** VORTEX	**NS:** 17	**SSS:** 140	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



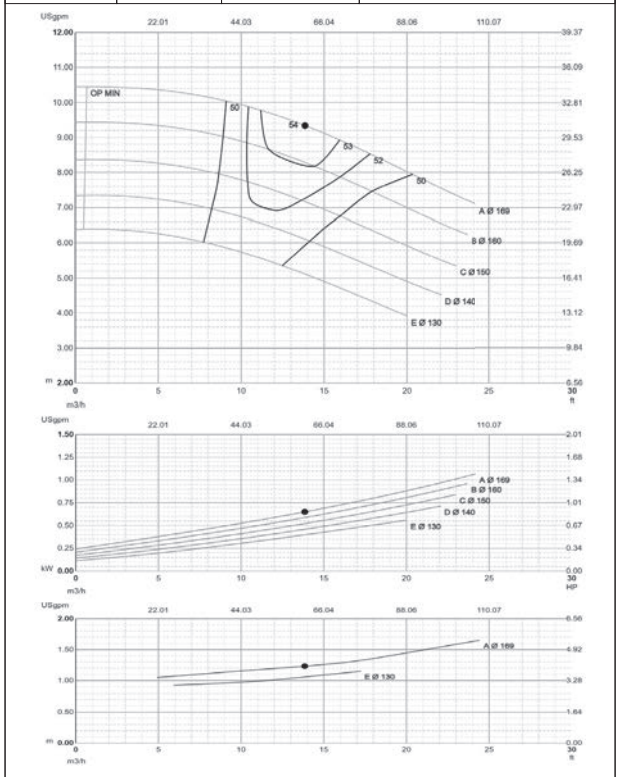
Notes Pump performance may depending on material. Tested pump: CF8M
Cast Iron and Special Alloys: -3% on Head / +10% on Power

RC 32-16

Ref.Speed (rpm) 1.420

Curve n.: T-1117
Valid from: 19/apr/21

Max Diameter (mm): 175	**Min Diameter (mm):** 125	**Impeller Type:** VORTEX	**NS:** 16	**SSS:** 75	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



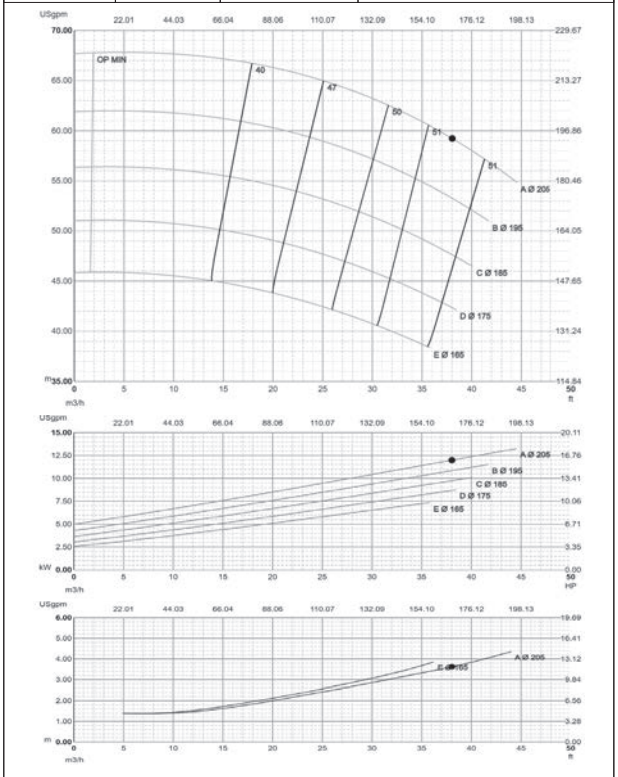
Notes

RC 32-20

Ref.Speed (rpm) 2.930

Curve n.: T-1111b
Valid from: 11/feb/22

Max Diameter (mm): 205	**Min Diameter (mm):** 160	**Impeller Type:** VORTEX	**NS:** 14	**SSS:** 114	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



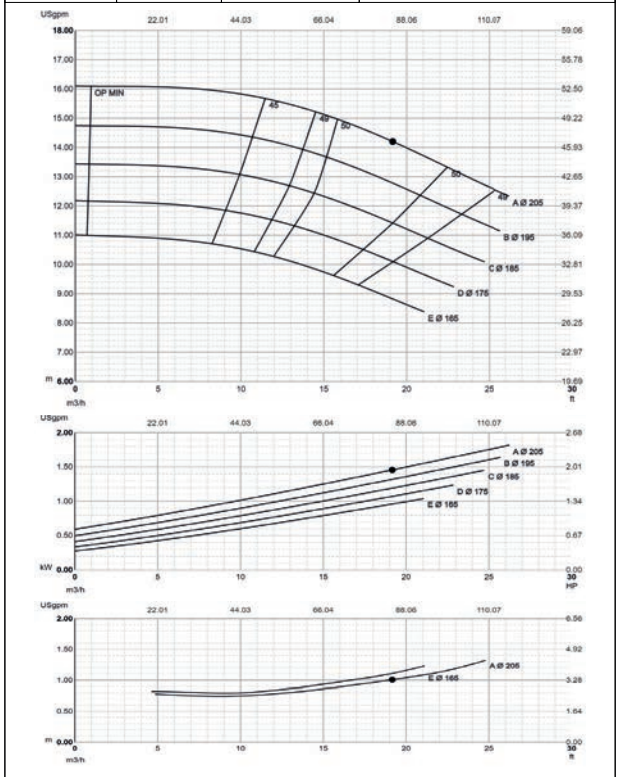
Notes Pump performance may depending on material.
Tested pump: CF8M Cast Iron and Special Alloys: -5% on Head / +10% on Power

RC 32-20

Ref.Speed (rpm) 1.450

Curve n.: T-1113
Valid from: 01/mar/22

Max Diameter (mm): 205	**Min Diameter (mm):** 165	**Impeller Type:** VORTEX	**NS:** 14	**SSS:** 105	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



Notes

Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

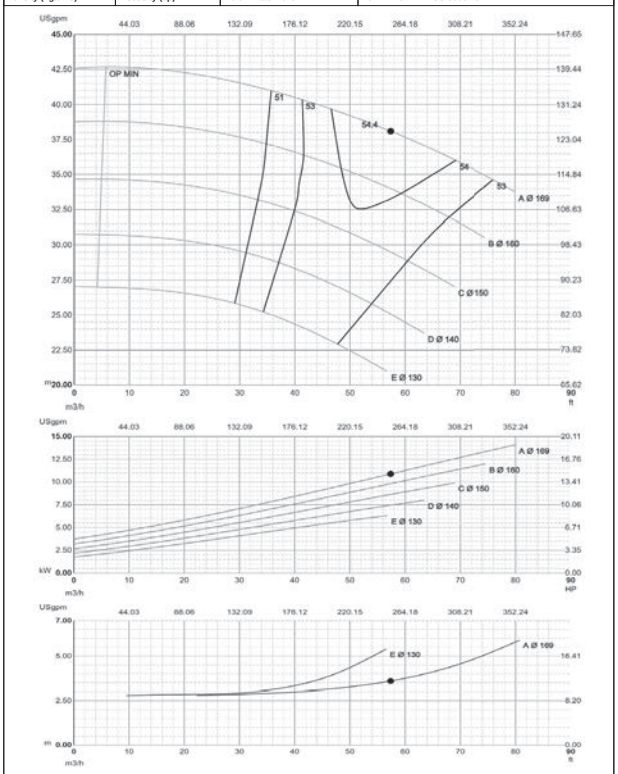
SALVATORE ROBUSCHI PUMPS

RC 50-16

Ref.Speed (rpm) 2.950

Curve n.: T-1092b
Valid from: 19/apr/21

Max Diameter (mm): 175	Min Diameter (mm): 125	Impeller Type: VORTEX	NS: 24	SSS: 142	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Tested pump: CF8M
Cast Iron and Special Alloys: -4% on Head / +5% on Power

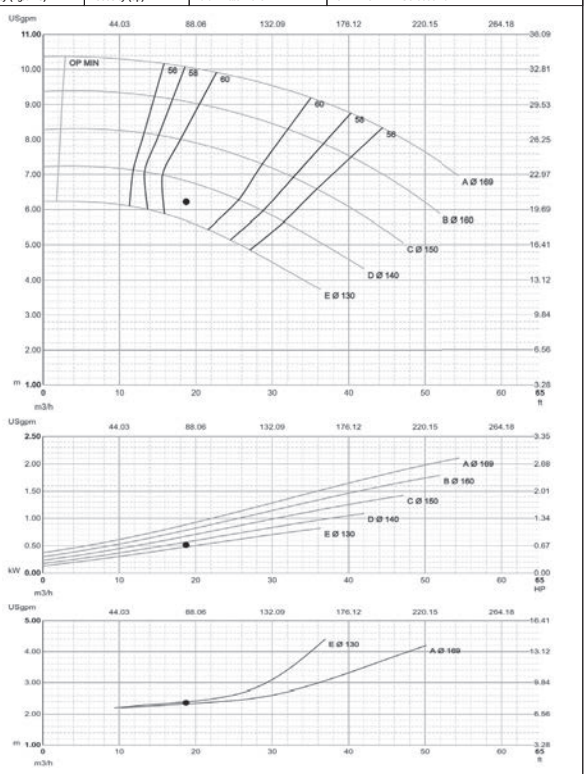
SALVATORE ROBUSCHI PUMPS

RC 50-16

Ref.Speed (rpm) 1.450

Curve n.: T-1094
Valid from: 19/apr/21

Max Diameter (mm): 175	Min Diameter (mm): 125	Impeller Type: VORTEX	NS: 26	SSS: 54	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes

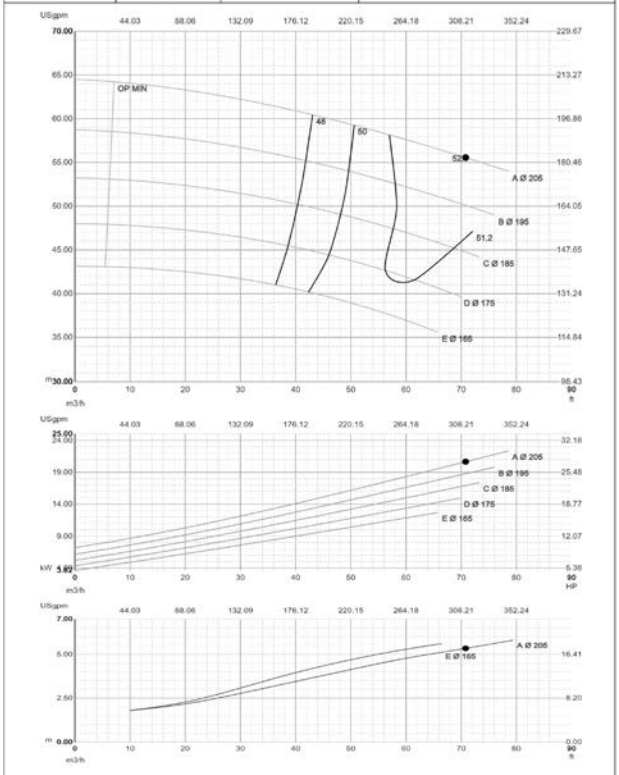
SALVATORE ROBUSCHI PUMPS

RC 50-20

Ref.Speed (rpm) 2.950

Curve n.: T-1064b
Valid from: 15/set/21

Max Diameter (mm): 205	Min Diameter (mm): 160	Impeller Type: VORTEX	NS: 20	SSS: 117	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Tested pump: CF8M
Cast Iron and Special Alloys: -7% on Head / +7% on Power

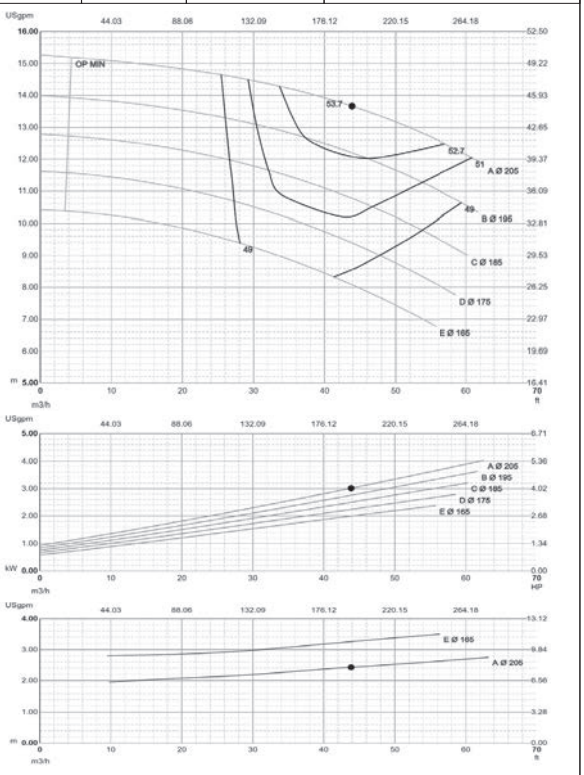
SALVATORE ROBUSCHI PUMPS

RC 50-20

Ref.Speed (rpm) 1.450

Curve n.: T-1060b
Valid from: 16/set/21

Max Diameter (mm): 205	Min Diameter (mm): 165	Impeller Type: VORTEX	NS: 22	SSS: 82	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Tested pump: CF8M
Cast Iron and Special Alloys: -3% on Head / +3% on Power

Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

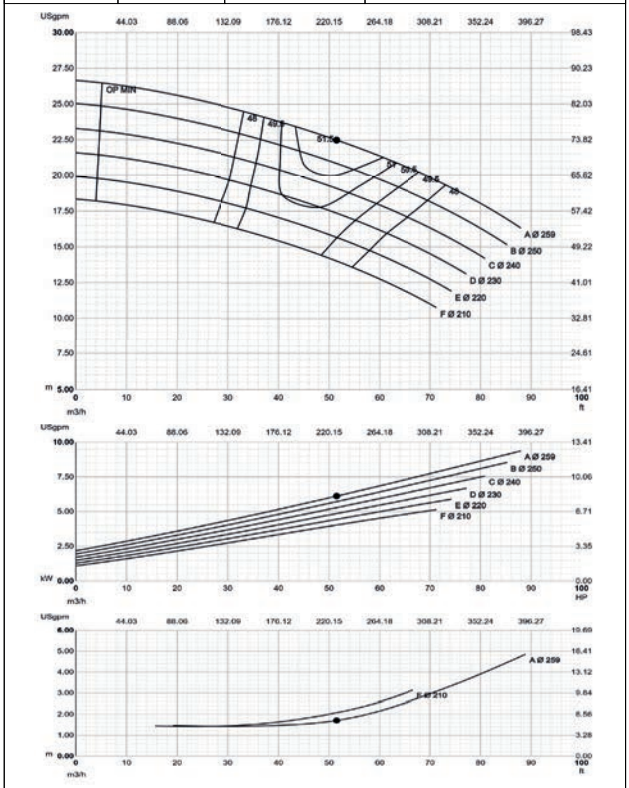
SALVATORE ROBUSCHI PUMPS

RC 50-25

Ref.Speed (rpm) 1.470

Curve n.: T-1057b
Valid from: 16/set/22

Max Diameter (mm): 265	Min Diameter (mm): 205	Impeller Type: VORTEX	NS: 17	SSS: 117	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Tested pump: CF8M Cast Iron and Special Alloys: -5% on Head / +4.5% on Power

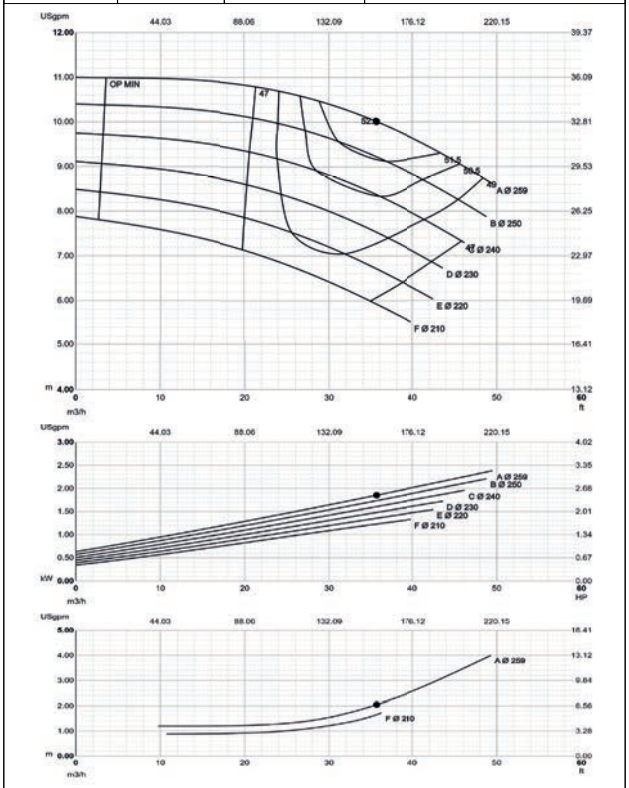
SALVATORE ROBUSCHI PUMPS

RC 50-25

Ref.Speed (rpm) 970

Curve n.: T-1170b
Valid from: 29/set/21

Max Diameter (mm): 259	Min Diameter (mm): 205	Impeller Type: VORTEX	NS: 17	SSS: 56	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Tested pump: CF8M Cast Iron and Special Alloys: -6% on Head / +3% on Power

SALVATORE ROBUSCHI PUMPS

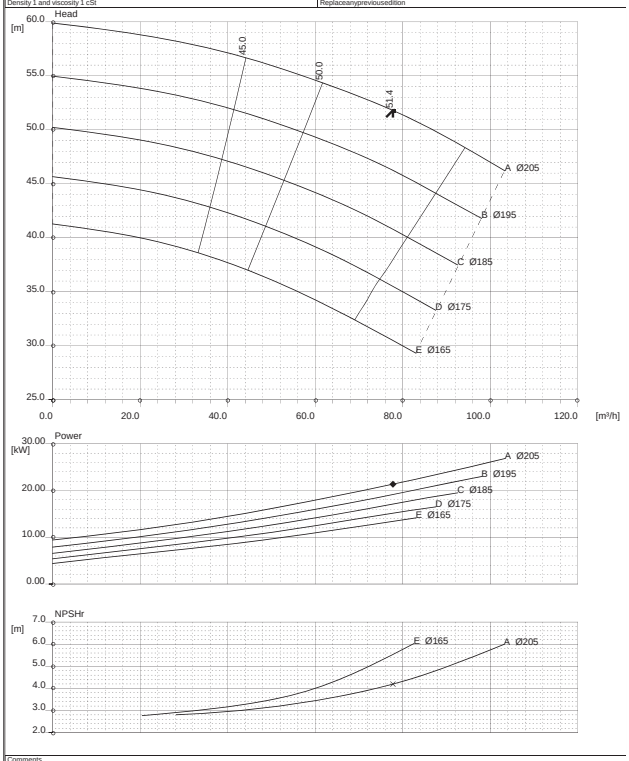
RC 65-20 2P

2950 [rpm]
1 Stage

Curve N. T-1070

Max diameter	Min diameter	Maxspeed	Suction Ø	Discharge Ø
205 [mm]	165 [mm]	3500 [rpm]	80 [mm]	65 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		22	148		Jan20,2011	

SALVATORE ROBUSCHI PUMPS

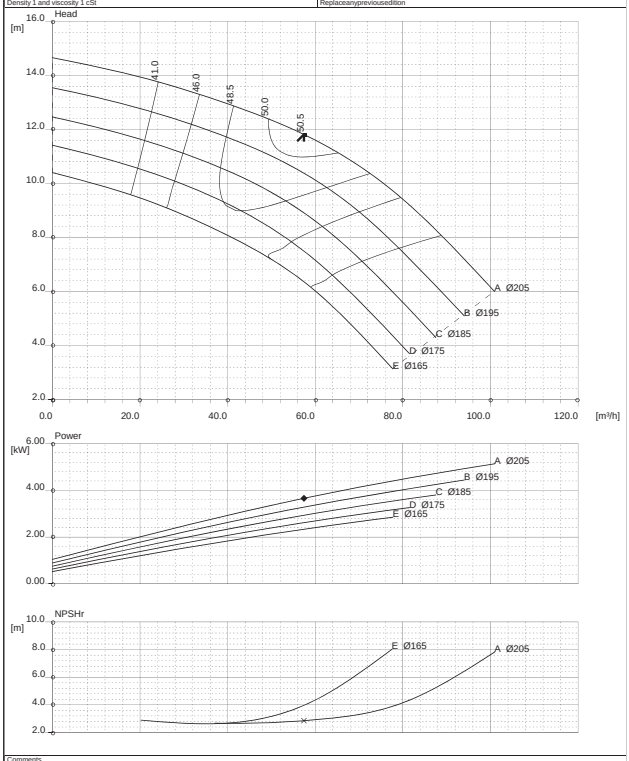
RC 65-20 4P

1450 [rpm]
1 Stage

Curve N. T-1062

Max diameter	Min diameter	Maxspeed	Suction Ø	Discharge Ø
205 [mm]	165 [mm]	1999 [rpm]	80 [mm]	65 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		29	83		Jan19,2011	

Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

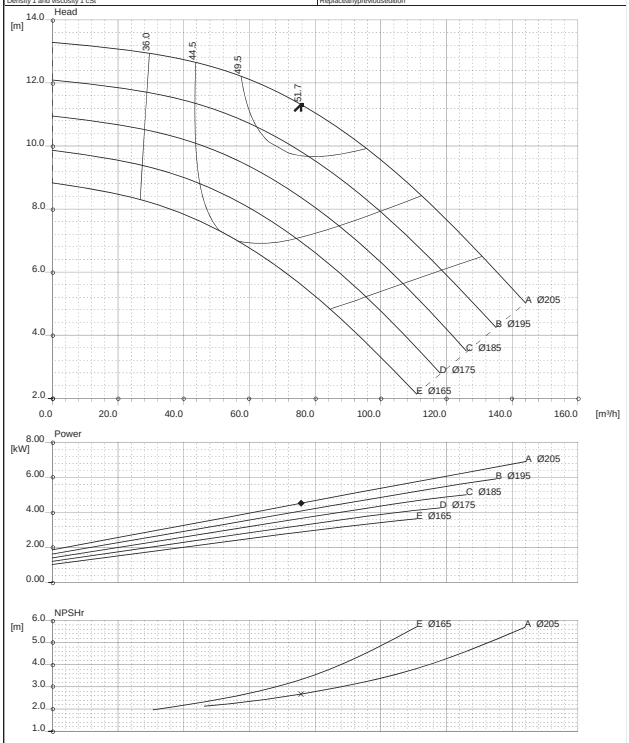
SALVATORE ROBUSCHI PUMPS

RC 80-20 4P
1450 [rpm]
1 Stage

Curve N.
T-1061

Max. diameter	Min. diameter	Max speed	Suction Ø	Discharge Ø
205 [mm]	16 [mm]	1999 [rpm]	100 [mm]	80 [mm]

Density 1 and viscosity 1 cSt — Replace any previous edition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		34	100		Jan21,2011	

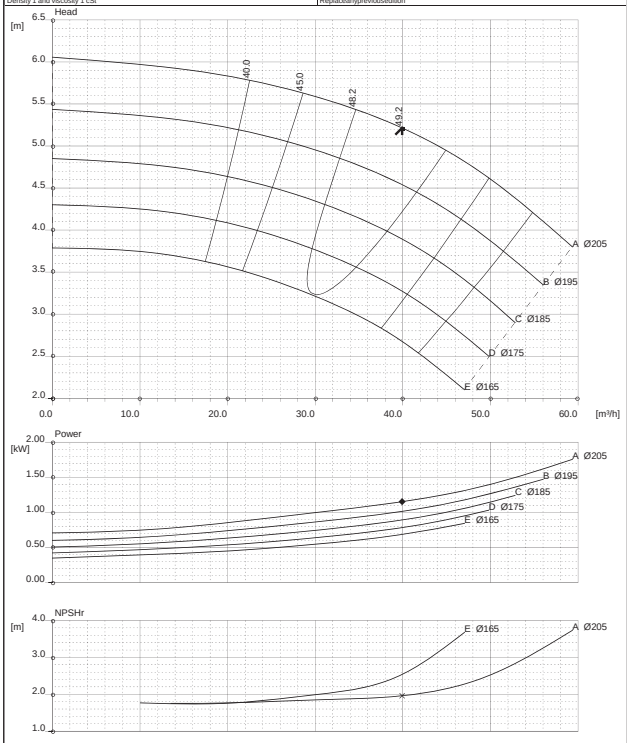
SALVATORE ROBUSCHI PUMPS

RC 80-20 6P
970 [rpm]
1 Stage

Curve N.
T-1169

Max. diameter	Min. diameter	Max speed	Suction Ø	Discharge Ø
205 [mm]	165 [mm]	1199 [rpm]	100 [mm]	80 [mm]

Density 1 and viscosity 1 cSt — Replace any previous edition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		30	62		Jan20,2011	

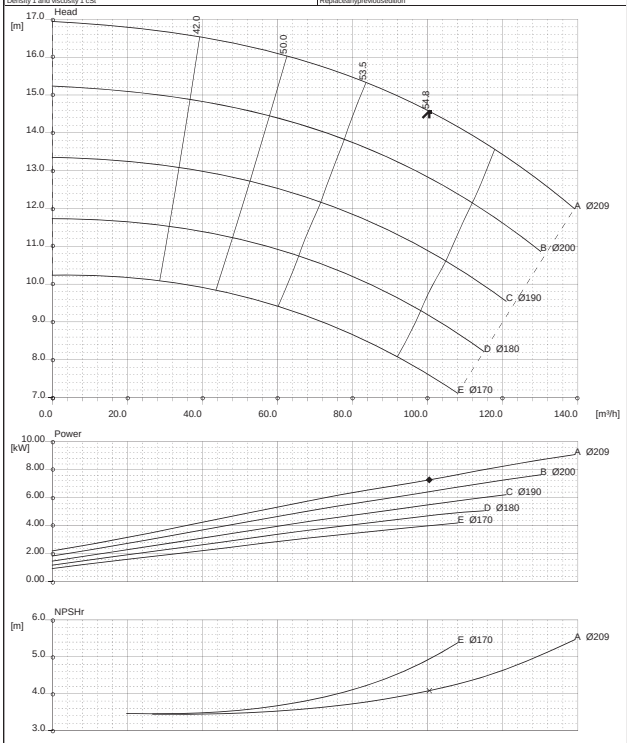
SALVATORE ROBUSCHI PUMPS

RC 80-20S 4P
1470 [rpm]
1 Stage

Curve N.
T-1239

Max. diameter	Min. diameter	Max speed	Suction Ø	Discharge Ø
209 [mm]	170 [mm]	1999 [rpm]	100 [mm]	80 [mm]

Density 1 and viscosity 1 cSt — Replace any previous edition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		33	85		Jan20,2011	

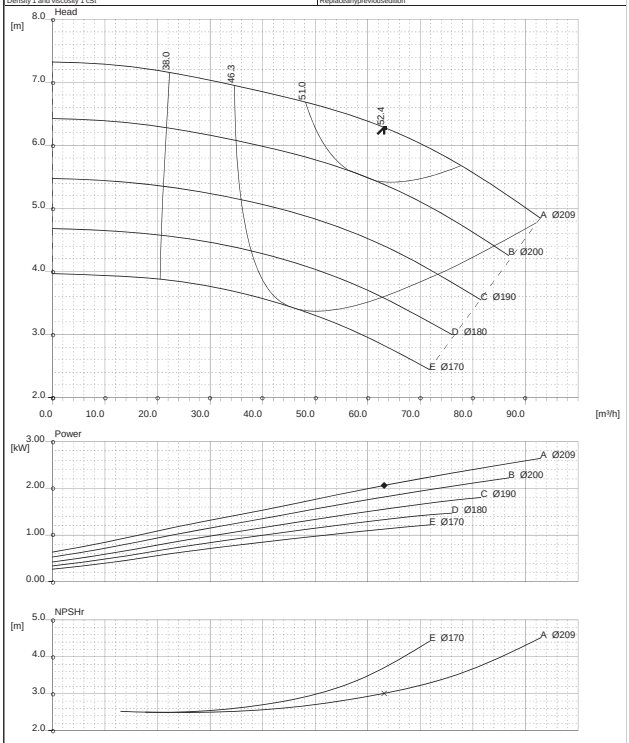
SALVATORE ROBUSCHI PUMPS

RC 80-20S 6P
970 [rpm]
1 Stage

Curve N.
T-1426

Max. diameter	Min. diameter	Max speed	Suction Ø	Discharge Ø
209 [mm]	170 [mm]	1199 [rpm]	100 [mm]	80 [mm]

Density 1 and viscosity 1 cSt — Replace any previous edition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		32	56		Jan20,2011	

Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

SALVATORE ROBUSCHI PUMPS

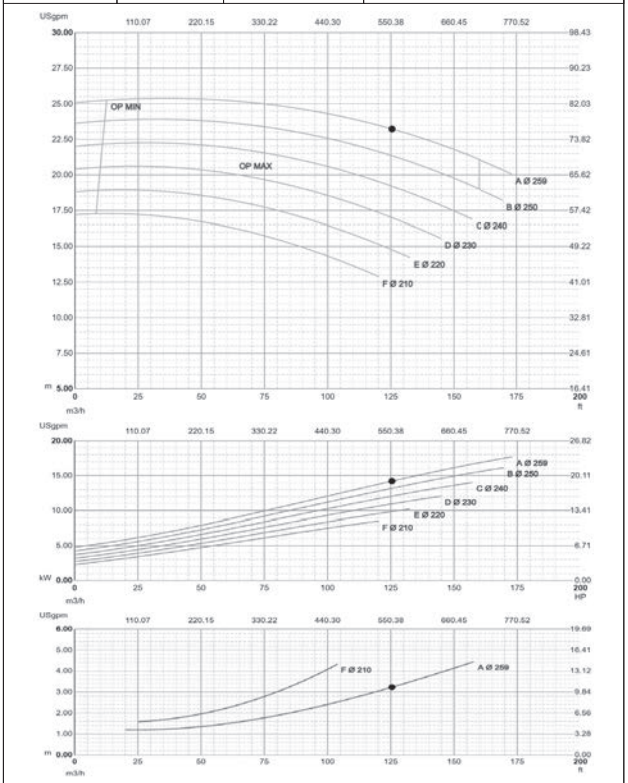
RC 80-25

Ref.Speed (rpm) 1.470

Curve n.: T-1097b

Valid from: 01/feb/21

Max Diameter (mm): 259	Min Diameter (mm): 205	Impeller Type: VORTEX	NS: 25	SSS: 113	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Cast Iron and Special Alloys: -4% on Head / +1% on Power

SALVATORE ROBUSCHI PUMPS

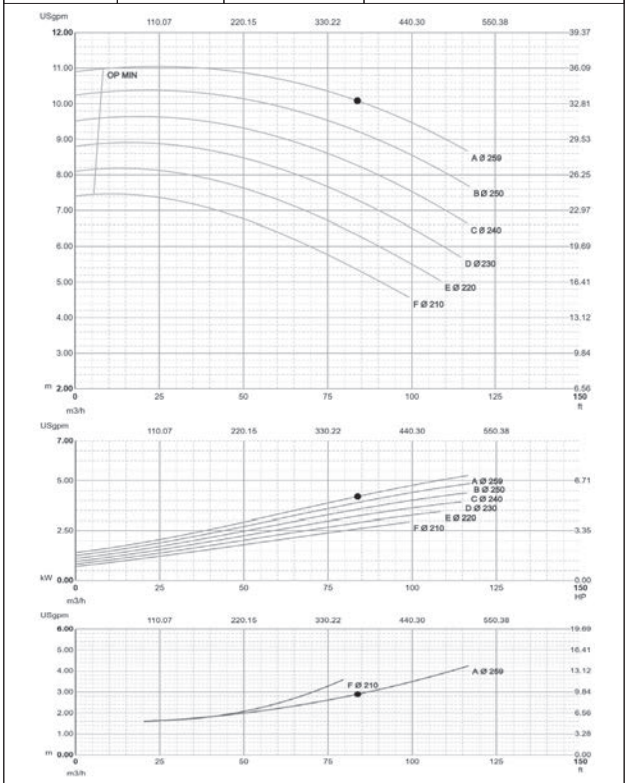
RC 80-25

Ref.Speed (rpm) 970

Curve n.: T-1724b

Valid from: 03/feb/21

Max Diameter (mm): 259	Min Diameter (mm): 205	Impeller Type: VORTEX	NS: 26	SSS: 66	GD2: 0
Density (kg/dm3): 1	Viscosity (cp): 1	Fluid: Water 20°C	Norm.: UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Cast Iron and Special Alloys: -4% on Head / +4% on Power

SALVATORE ROBUSCHI PUMPS

RC 80-31 4P

1460 [rpm]

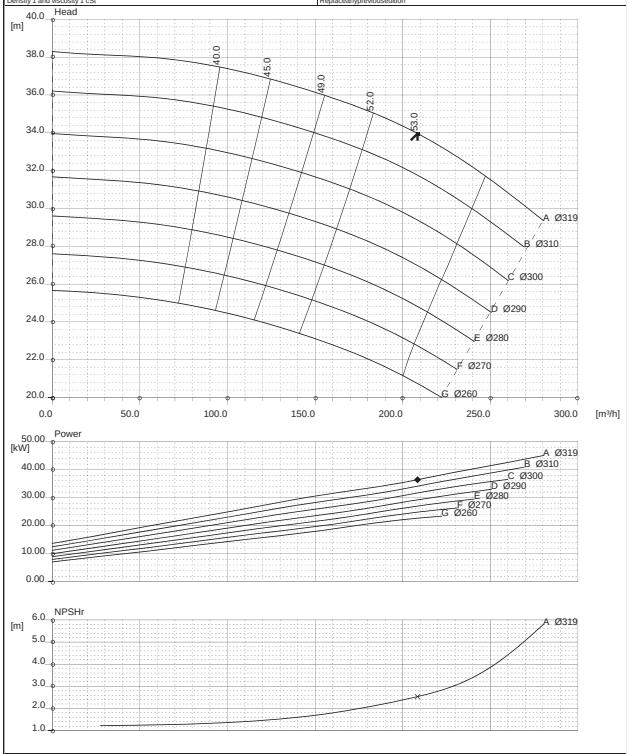
1 Stage

Curve N.

T-1808

Max. diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
319 [mm]	260 [mm]	1999 [rpm]	100 [mm]	80 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		25	175		Jan21,2011	

SALVATORE ROBUSCHI PUMPS

RC 80-31 6P

960 [rpm]

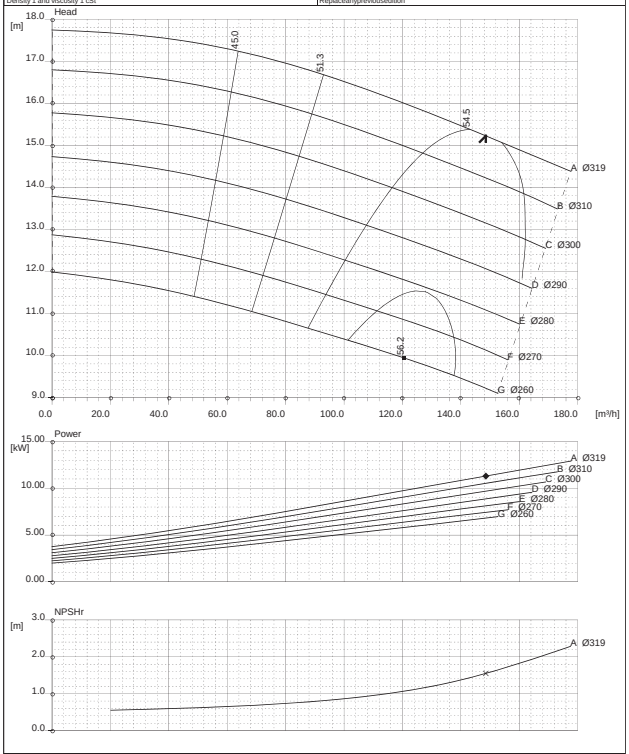
1 Stage

Curve N.

T-1807

Max. diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
319 [mm]	260 [mm]	1199 [rpm]	100 [mm]	80 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		25	140		Feb9,2011	

Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

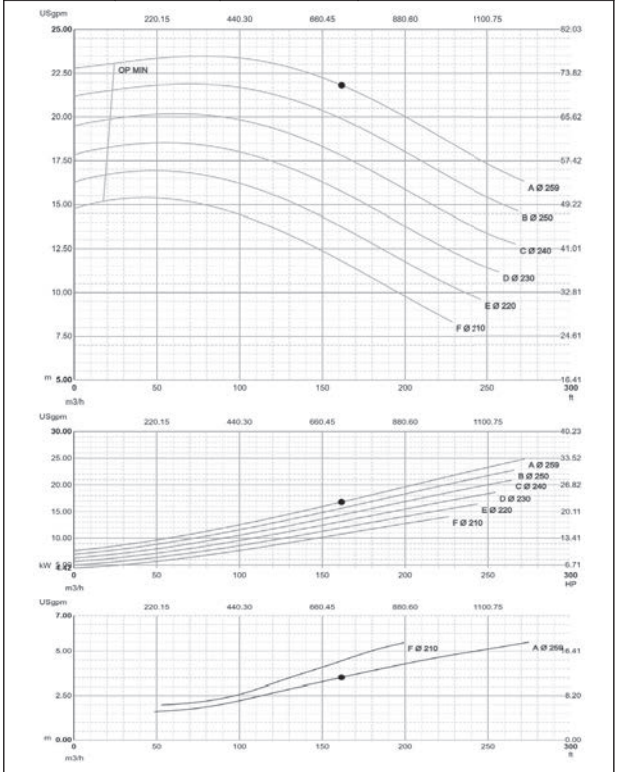
SALVATORE ROBUSCHI PUMPS

RC 100-25

Ref.Speed (rpm) 1.470

Curve n.: T-1757b
Valid from: 04/feb/21

Max Diameter (mm): 259	**Min Diameter (mm):** 205	**Impeller Type:** VORTEX	**NS:** 30	**SSS:** 121	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Cast Iron and Special Alloys: -4.5% on Head / -1% on Power

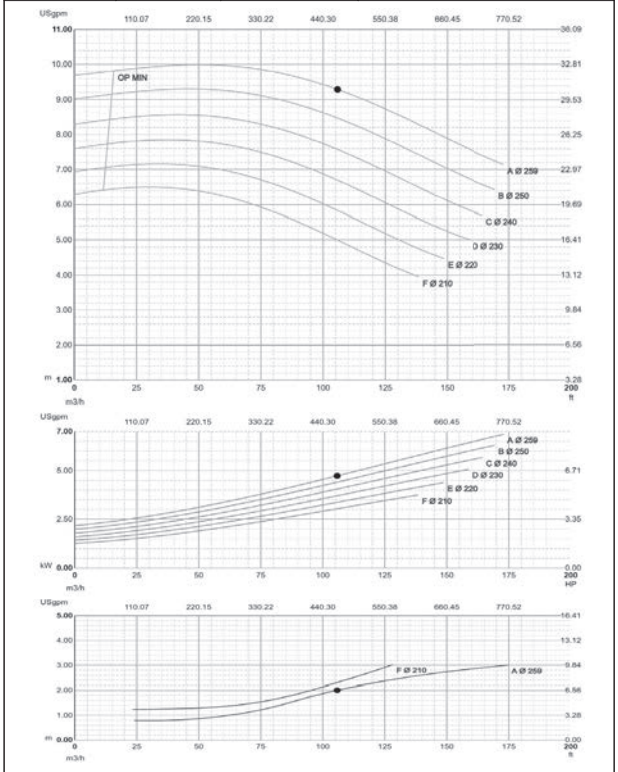
SALVATORE ROBUSCHI PUMPS

RC 100-25

Ref.Speed (rpm) 960

Curve n.: T-1758b
Valid from: 04/feb/21

Max Diameter (mm): 259	**Min Diameter (mm):** 205	**Impeller Type:** VORTEX	**NS:** 30	**SSS:** 97	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



Notes Pump performance may depending on material. Cast Iron and Special Alloys: -4.5% on Head / -1% on Power

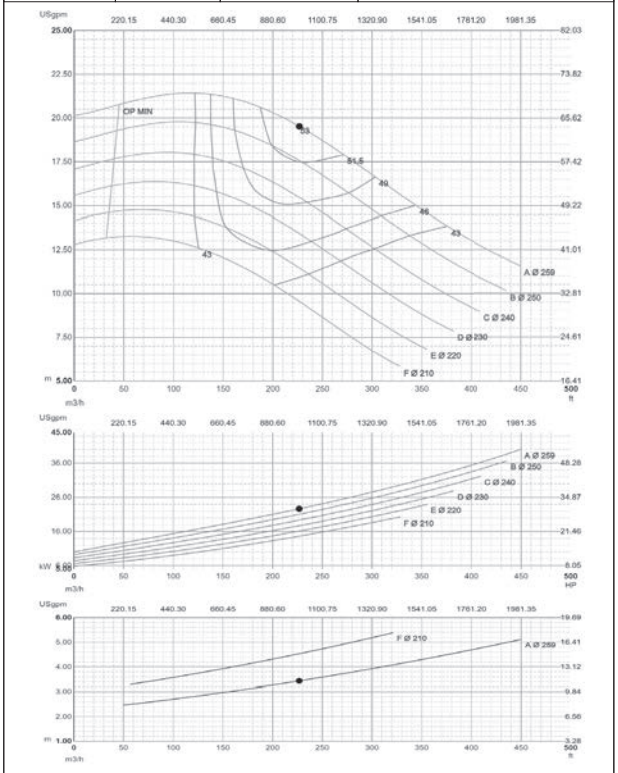
SALVATORE ROBUSCHI PUMPS

RC 125-25

Ref.Speed (rpm) 1.470

Curve n.: T-1728
Valid from: 03/feb/21

Max Diameter (mm): 259	**Min Diameter (mm):** 200	**Impeller Type:** VORTEX	**NS:** 39	**SSS:** 146	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



Notes

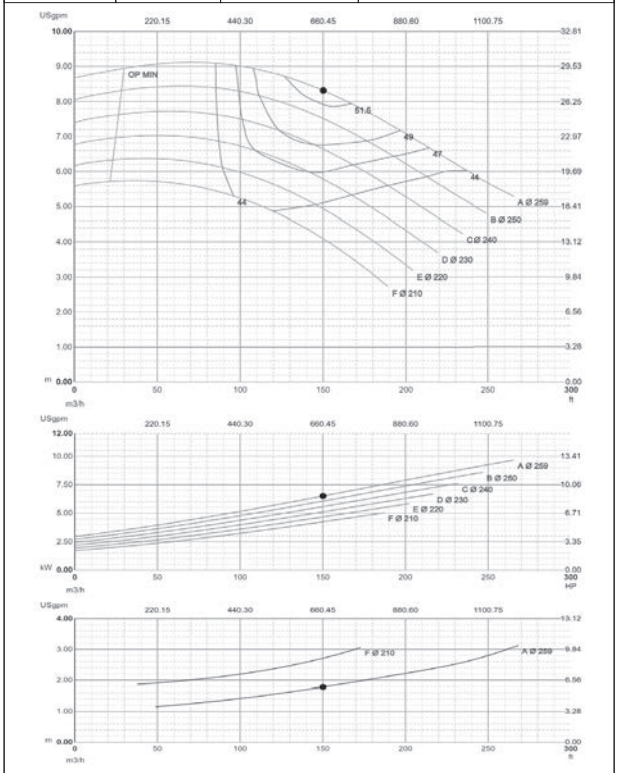
SALVATORE ROBUSCHI PUMPS

RC 125-25

Ref.Speed (rpm) 970

Curve n.: T-1724
Valid from: 04/feb/21

Max Diameter (mm): 259	**Min Diameter (mm):** 205	**Impeller Type:** VORTEX	**NS:** 40	**SSS:** 128	**GD2:** 0
Density (kg/dm3): 1	**Viscosity (cp):** 1	**Fluid:** Water 20°C	**Norm.:** UNI EN ISO 9906:2012		



Notes

Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

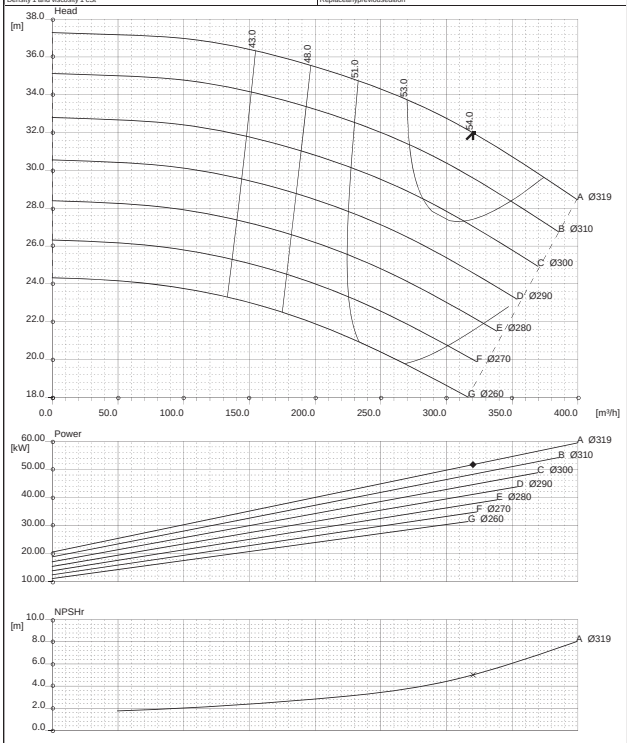
SALVATORE ROBUSCHI PUMPS

RC 125-31 4P
1470 [rpm]
1 Stage

Curve N. **T-1779**

Max. diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
319 [mm]	**260 [mm]**	**1999 [rpm]**	**150 [mm]**	**125 [mm]**

Density 1 and viscosity 1 cSt | Replaceanypreviousedition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		33	**131**		**Jan21,2011**	

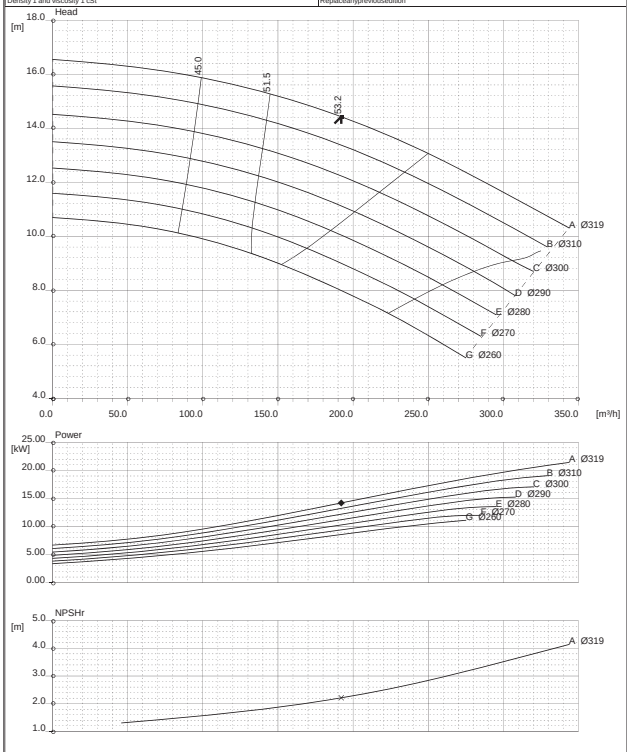
SALVATORE ROBUSCHI PUMPS

RC 125-31 6P
960 [rpm]
1 Stage

Curve N. **T-1780**

Max. diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
319 [mm]	**260 [mm]**	**1199 [rpm]**	**150 [mm]**	**125 [mm]**

Density 1 and viscosity 1 cSt | Replaceanypreviousedition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		30	**122**		**Feb9,2011**	

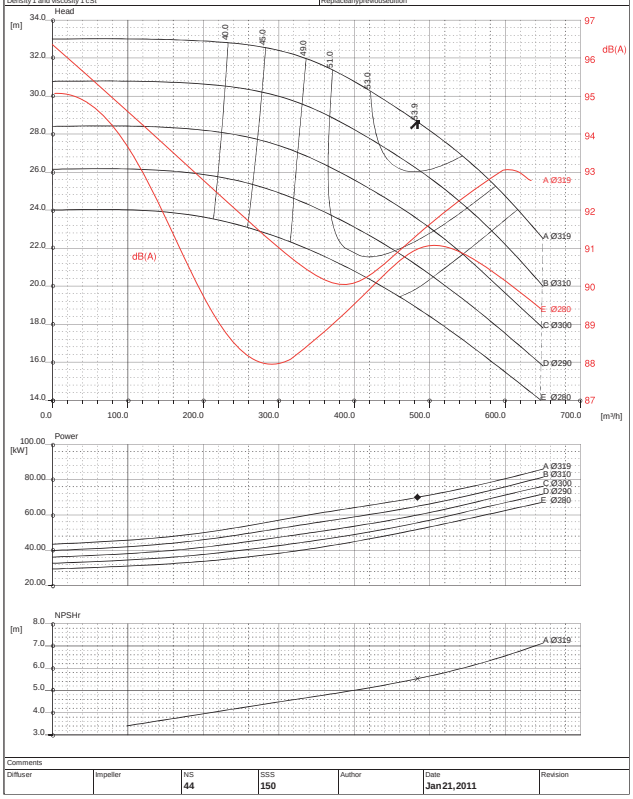
SALVATORE ROBUSCHI PUMPS

RC 150-31 4P
1480 [rpm]
1 Stage

Curve N. **T-1912**

Max. diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
319 [mm]	**280 [mm]**	**1999 [rpm]**	**200 [mm]**	**150 [mm]**

Density 1 and viscosity 1 cSt | Replaceanypreviousedition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		44	**150**		**Jan21,2011**	

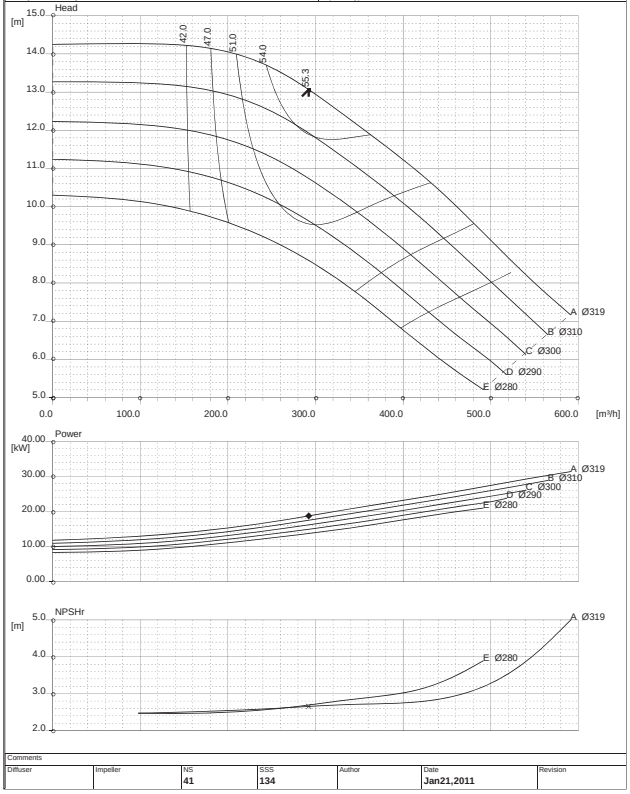
SALVATORE ROBUSCHI PUMPS

RC 150-31 6P
980 [rpm]
1 Stage

Curve N. **T-2083**

Max. diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
319 [mm]	**280 [mm]**	**1199 [rpm]**	**200 [mm]**	**150 [mm]**

Density 1 and viscosity 1 cSt | Replaceanypreviousedition



Comments

Diffuser	Impeller	NS	SSS	Author	Date	Revision
		41	**134**		**Jan21,2011**	

Curve prestazionali
Performance curves

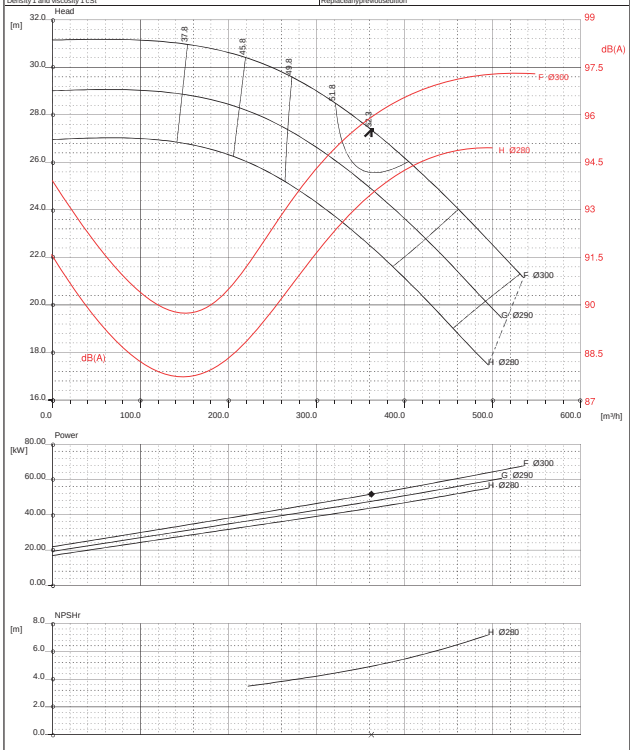
Girante vortex
Vortex impeller

SALVATORE ROBUSCHI PUMPS

RC 150-35 4P — 1470 [rpm] — 1 Stage — Curve N. T-2068

Max.diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
330 [mm]	280 [mm]	1999 [rpm]	200 [mm]	150 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



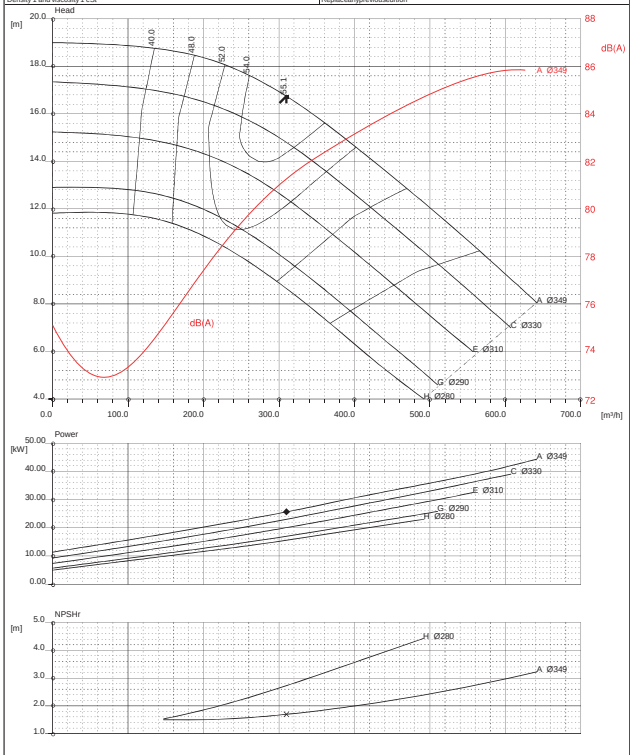
Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		39	oo		Jan 21, 2011	

SALVATORE ROBUSCHI PUMPS

RC 150-35 6P — 980 [rpm] — 1 Stage — Curve N. T-2069

Max.diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
349 [mm]	280 [mm]	1199 [rpm]	200 [mm]	150 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



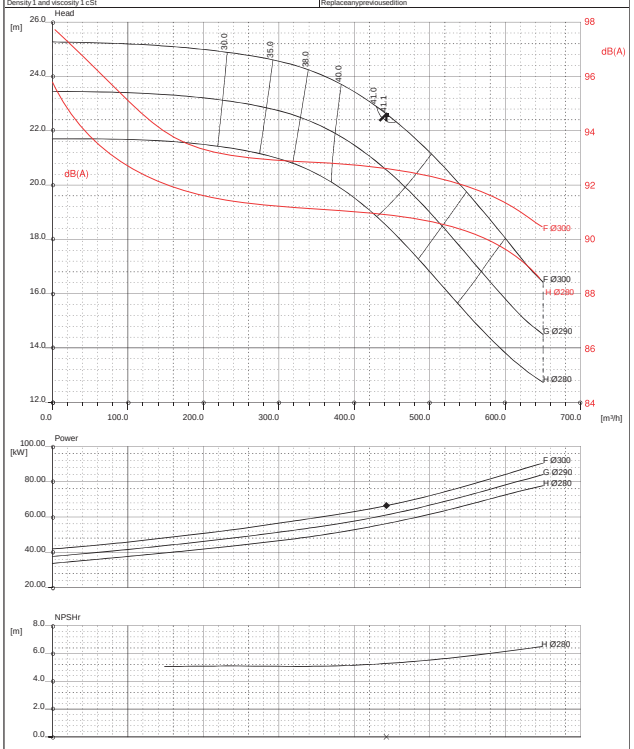
Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		35	193		Jan 21, 2011	

SALVATORE ROBUSCHI PUMPS

RC 200-35 4P — 1480 [rpm] — 1 Stage — Curve N. T-2083

Max.diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
300 [mm]	280 [mm]	1780 [rpm]	250 [mm]	200 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



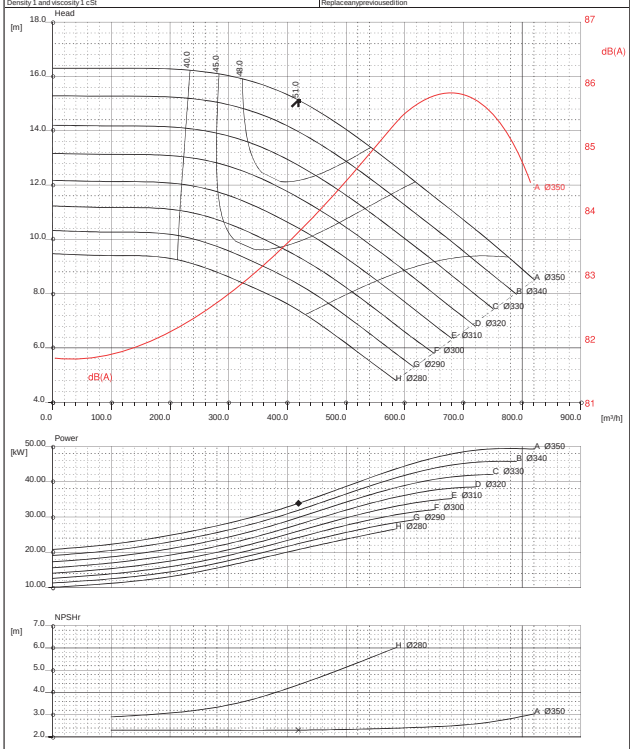
Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		50	oo		Dec 7, 2011	

SALVATORE ROBUSCHI PUMPS

RC 200-35 6P — 980 [rpm] — 1 Stage — Curve N. T-2082

Max.diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
350 [mm]	280 [mm]	1199 [rpm]	200 [mm]	150 [mm]

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		44	179		Jan 21, 2011	

Curve prestazionali
Performance curves

Girante vortex
Vortex impeller

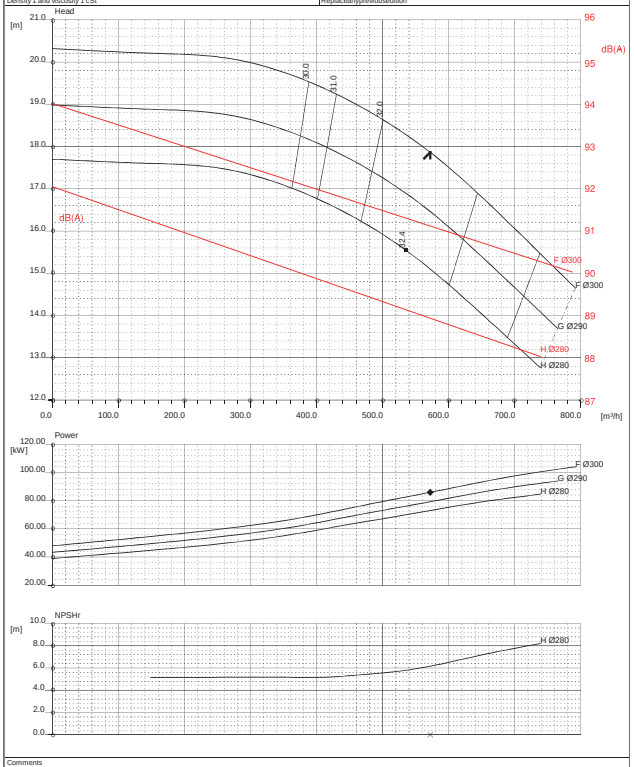
SALVATORE ROBUSCHI PUMPS

RC 250-35 4P
1480 [rpm]
1 Stage

Curve N.
T-2086

Max.diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
300 [mm]	**280 [mm]**	**1780 [rpm]**	**300 [mm]**	**250 [mm]**

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		68	∞		**Dec 12, 2011**	

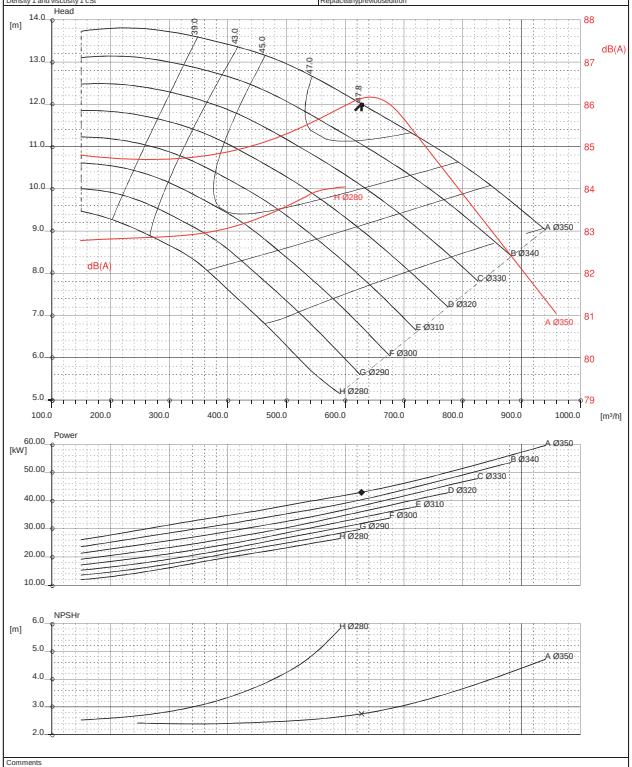
SALVATORE ROBUSCHI PUMPS

RC 250-35 6P
980 [rpm]
1 Stage

Curve N.
T-2085

Max.diameter	Min.diameter	Maxspeed	Suction Ø	Discharge Ø
350 [mm]	**280 [mm]**	**1199 [rpm]**	**300 [mm]**	**250 [mm]**

Density 1 and viscosity 1 cSt — Replaceanypreviousedition



Comments						
Diffuser	Impeller	NS	SSS	Author	Date	Revision
		63	**192**		**Dec 7, 2011**	

Parti di ricambio e set di ricambi per i primi due anni di utilizzo
Spare parts and spare parts set for the first two years of use

Girante vortex
Vortex impeller

N° parte *Part No.*	Descrizione *Description*	Numero di pompe *Number of pumps*							
		1	2	3	4	5	dal 6 al 7 *from 6 to 7*	dal 8 al 9 *from 8 to 9*	10 e superiori *10 and above*
210	Albero *Shaft*	1	1	1	1	2	2	2	20%
230	Girante *Impeller*	1	1	1	1	2	2	2	20%
320.1	Cuscinetti (Set) *Bearing (Set)*	1	1	2	2	2	2	3	25%
320.2									
502.1	Anello usura *Wear ring*	1	1	1	1	2	2	2	20%
135	Piastra usura *Wear plate*	1	1	1	1	2	2	2	20%
524	Camicia Albero *Shaft sleeve*	1	2	2	2	3	3	4	50%
506	Anello Paraspruzzi *Deflector*	1	1	1	1	2	2	2	20%
507	V.ring *V.ring*	1	1	1	1	2	2	2	20%
400.1	Guarnizioni Idrauliche (Set) *Hydraulic gaskets (Set)*	2	4	4	5	6	8	8	80%
400.4									
400.5									
400.6									
400.7									
412.3									
400.2	Guarnizioni Supporto (Set) e Paraoli (Set) *Housing Gaskets (Set) and Oil Seals (Set)*	2	4	4	5	6	8	8	80%
400.3									
420.1									
420.2									
861.3	Parastrappi Giunto di Trasmissione (Set) *Transmission Coupling Clamps (Set)*	2	4	4	5	6	8	8	80%
Per pompe con tenute meccaniche ***For pumps with mechanical seals***									
433.1	Tenuta Meccanica Completa (Set) *Complete Mechanical Seal (Set)*	1	2	2	2	3	3	4	40%
433.2									
Per pompe con baderne ***For pumps with packings glands***									
542	Bussola di fondo *Bottom sleeve*	1	1	1	1	2	2	2	20%
461	Baderne (Set) *Packing glands (Set)*	2	4	4	6	6	6	8	100%

Ricambi e set ricambi start up
Start up spare parts and spare parts set

Girante vortex
Vortex impeller

N° parte *Part No.*	Descrizione *Description*	Numero di pompe *Number of pumps*							
		1	2	3	4	5	dal 6 al 7 *from 6 to 7*	dal 8 al 9 *from 8 to 9*	10 e superiori *10 and above*
400.2	Guarnizioni Supporto (Set) *Housing Gaskets (Set)*	2	4	4	5	6	8	8	80%
400.3									
420.1									
420.2									
400.1	Guarnizioni idrauliche (Set) *Hydraulic gaskets (Set)*	2	4	4	5	6	8	8	80%
400.4									
400.5									
400.6									
400.7									
412.3									
507	V.ring *V.ring*	1	1	1	1	2	2	2	20%
524	Camicia albero *Shaft Sleeve*	1	2	2	2	3	3	4	50%
Per pompe con tenute meccaniche ***For pumps with mechanical seals***									
433.1	Tenuta Meccanica Completa (Set) *Complete Mechanical Seal (Set)*	1	2	2	2	3	3	4	40%
433.2									
Per pompe con baderne ***For pumps with packings glands***									
461	Baderne (Set) *Packing glands (Set)*	2	4	4	6	6	6	8	100%

RC - cat. tec. ed. 01/2025

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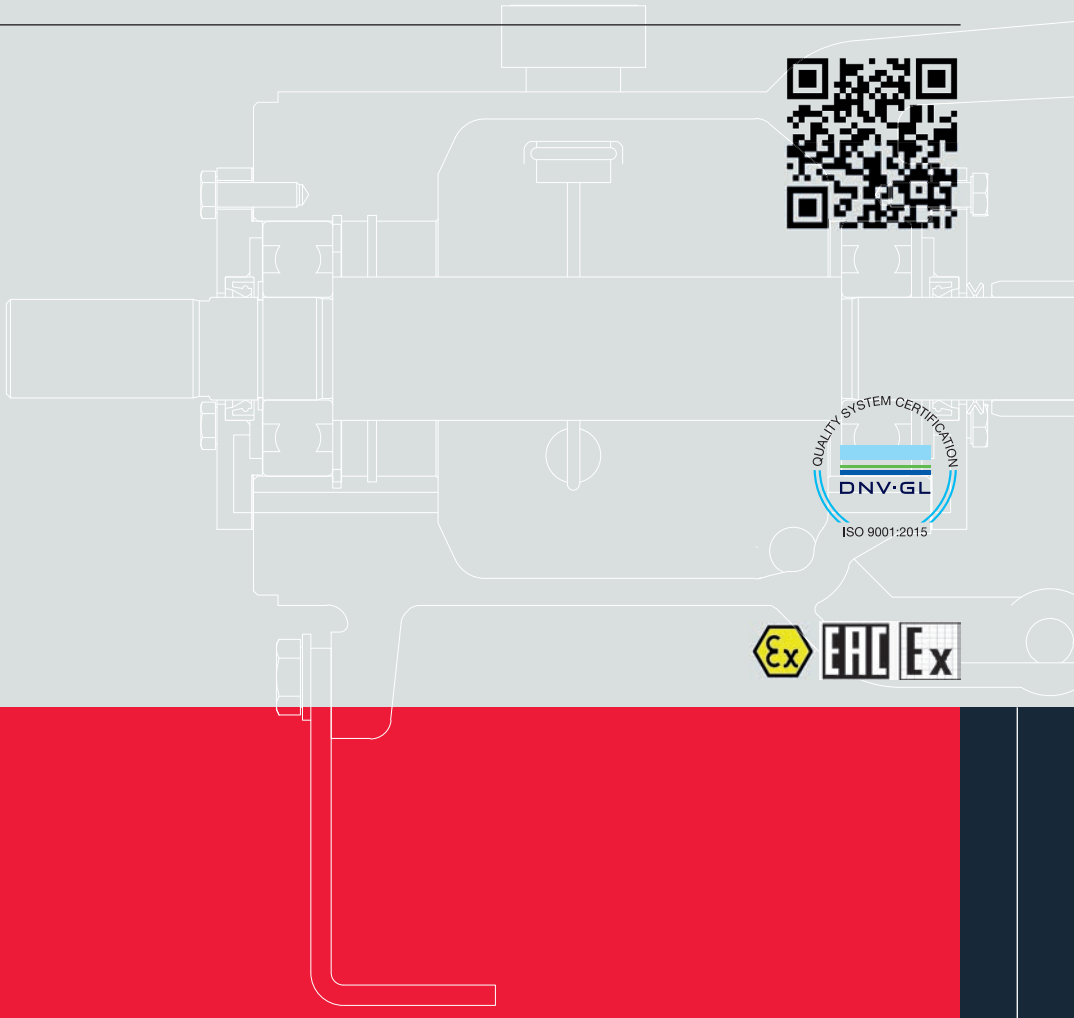

QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001:2015

SALVATORE ROBUSCHI PUMPS

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