

		Grandezze - Size											
Descrizione - <i>Description</i>	Unità di misura - <i>Unit of measurement</i>	25-16 ^(b)	25-19 ^(b)	32-16	40-16	50-16	32-20 ^(d)	40-20 ^(d)	50-20	65-16	80-16	65-20	80-20
Grandezza lanterna - <i>Lantern bracket size</i>		1					2				3		
Corpo - <i>Casing</i>													
Spessore corpo - <i>Casing thickness</i>	mm	4	4	4	4	4	4,5	4,5	4,5	4,5	5	5	5
Pressione di prova - <i>Max.hydrostatic pressure</i>	bar	6					8			6	6	8	
Foro drenaggio - <i>Casing drain</i>		A richiesta - on request											
Girante - <i>Impeller</i>													
Numero di pale - <i>Blade number</i>	mm	5	5	5	5	6	5	5	5	6	6	6	6
Luce di uscita girante - <i>Impeller width</i>	mm	6	6	6	8,5	13,5	6	7	11	19	27	16	21
Dia ingresso - <i>Inlet diameter</i>	mm	56	56	67	67	83	58	68	82	65	80	100	65
Dia massimo - <i>Max.diameter</i>	mm	169	190	169	169	169	209	209	209	169	169	209	209
Dia minimo - <i>Min.diameter</i>	mm	110	170	110	110	110	140	140	140	130	130	150	150
Momento di inerzia J ^(a) - <i>Moment of inertia J^(a)</i>	kgm ²	0,01	0,01	0,01	0,01	0,01	0,02	0,02	0,02	0,01	0,01	0,02	0,02
Cassa stoppa - <i>Seal chamber</i>													
Diametro - <i>Diameter</i>	mm	40					49				49		
Profondità - <i>Depth</i>	mm	45					51				51		
Sezione baderna - <i>Section packing</i>	mm	8					8				8		
N.° anelli baderna con anello idraulico <i>Packing ring with lantern ring</i>		4					5				5		
N.° anelli baderna senza anello idraulico <i>Packing ring without lantern ring</i>		5					6				6		
Dia. tenuta meccanica - <i>mechanical seal diameter</i>	mm	24					33				33		
Ingresso anello idraulico - <i>Lantern ring holes</i>		G.1/4					G.1/4				G.1/4		
Ingresso Ten. Mecc. - <i>Connections mech. seal</i>		G.1/4					G.1/4				G.1/4		
Camera di raffreddamento - <i>Cooling jacket</i>													
Pressione max - <i>Max.pressure</i>	bar	3					3				3		
Pressione di prova - <i>Max.hydrostatic pressure</i>	bar	4,5					4,5				4,5		
Connessioni - <i>Connections holes</i>		G.3/8					G.3/8				G.3/8		
Albero - <i>Shaft</i>													
Diametro albero - <i>Shaft diameter</i>	mm	24					33				33		
Diam. sotto la girante - <i>Shaft dia. under impeller</i>	mm	20					20				28		
Potenza max. - <i>Max. Power</i>													
Valore max. <i>P/n - Max.value P/n</i>		0,0052					0,0064				0,0076		
Potenza max. - <i>Max.power to 960 1/min.</i>	kW	5					6				7,3		
Potenza max. - <i>Max.power to 1450 1/min.</i>	kW	7,5					9,2				11		
Potenza max. - <i>Max.power to 2900 1/min.</i>	kW	15					18,5				22		

I dati indicati non sono impegnativi e possono cambiare con le condizioni di lavoro
Technical data are indicative and they can change according to pump work

^(a) Dividi per 1000 per ottenere il momento di inerzia J in kgm²
Divide by 1000 to obtain the moment of inertia J in kgm²

^(b) Grandezze disponibili solo nella serie CMD

^(b) Size available only CMD type

^(d) Utilizzare serie RS (RS 32-20 ; RS 40-20)

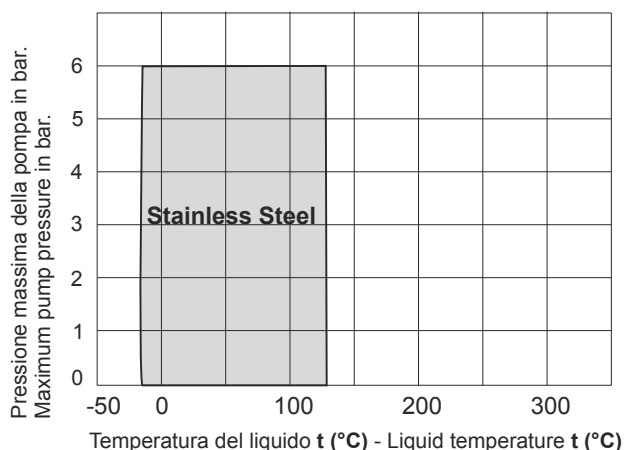
^(d) Use RS type (RS 32-20 ; RS 40-20)

Limiti di pressione e di temperatura

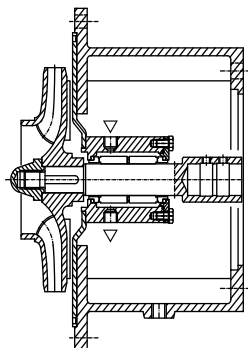
(Senza prescrizioni speciali)

Impiego per tutti i liquidi, ad eccezione di acqua calda e liquidi diatermici organici.

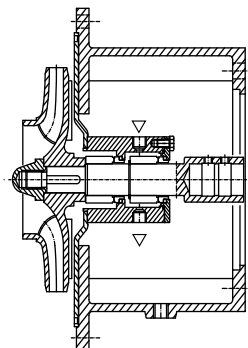
Materiali di costruzione :
Construction materials :



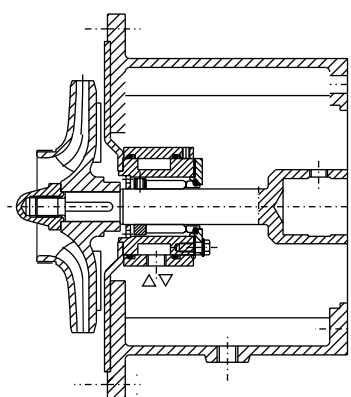
Materiali a richiesta : Sanicro, SAF
Materials on request : Sanicro, SAF



Esecuzione C
C Execution



Esecuzione L
L Execution



Esecuzione H
H Execution

Pressure and temperature limits

(Without special advice)

For all liquids, except for hot water and organic diathermic liquid.

LIMITI DI IMPIEGO DUTY LIMITS

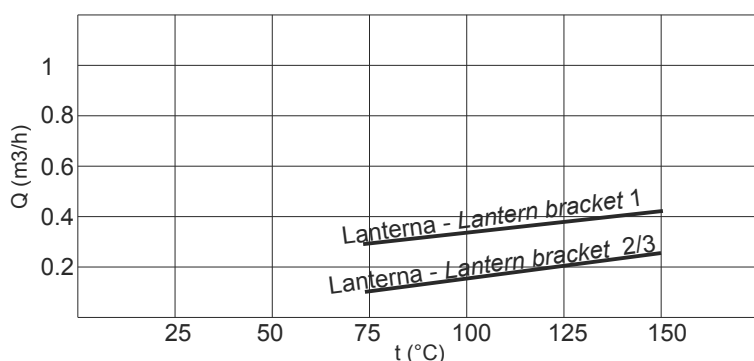
Materiale	Temperatura	Pressione
Acciaio	-20 +120	6 Bar ^(a)
Material	Temperature	Pressure
Stainless Steel	-20 +120	6 Bar ^(a)

^(a) 8 Bar per le grandezze 32-20; 40-20; 50-20; 65-20
8 Bar for size 32-20; 40-20; 50-20; 65-20

Flussaggio tenuta meccanica contrapposta **esecuzione C-L**
Back to back mechanical seal flushing **C-L execution.**

Lanterna Lantern bracket	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
1	24	0,8	0,4	0.5 > p mandata 0.5 > discharge p	< 0.3
2-3	33	1,4	0,7		

Flussaggio camera di raffreddamento **esecuzione H**
Cooling chamber flushing **H execution.**



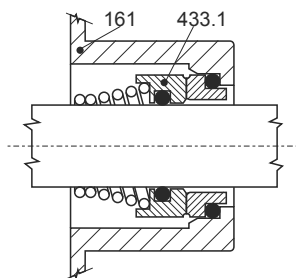
Dispositivi di raffreddamento (o riscaldamento) e di tenuta

Cooling (or heating) and sealing device

Esecuzione Standard

Execution Standard

API Plan 02

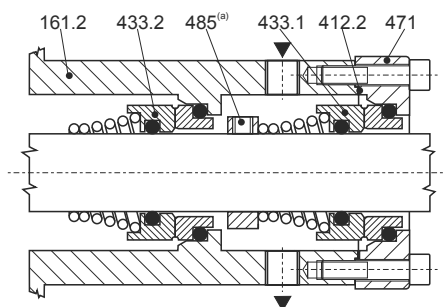


Tenuta meccanica - Single mechanical seal

Esecuzione "L"

Execution "L"

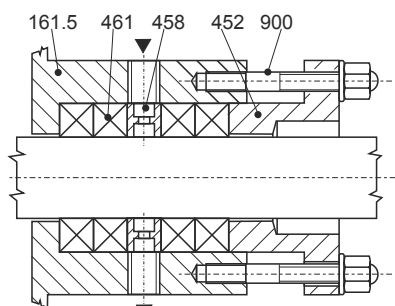
API Plan 52



Tenuta mecc doppia in tandem - Tandem mech. seal

Esecuzione "F"

Execution "F"

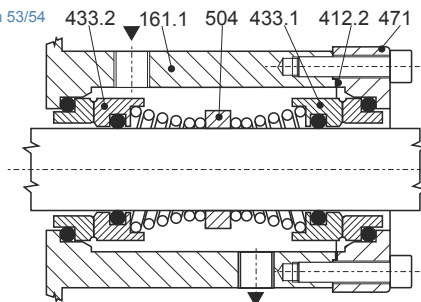


Baderna con flussaggio - Gland packing with flushing

Esecuzione "C"

Execution "C"

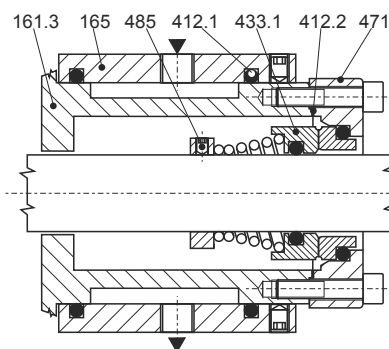
API Plan 53/54



Tenuta meccanica doppia - Double mechanical seal

Esecuzione "A" e "H"

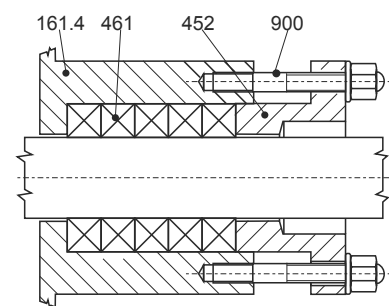
Execution "A" and "H"



Riscaldamento o raffreddamento - Cooling or Heating

Esecuzione "B"

Execution "B"



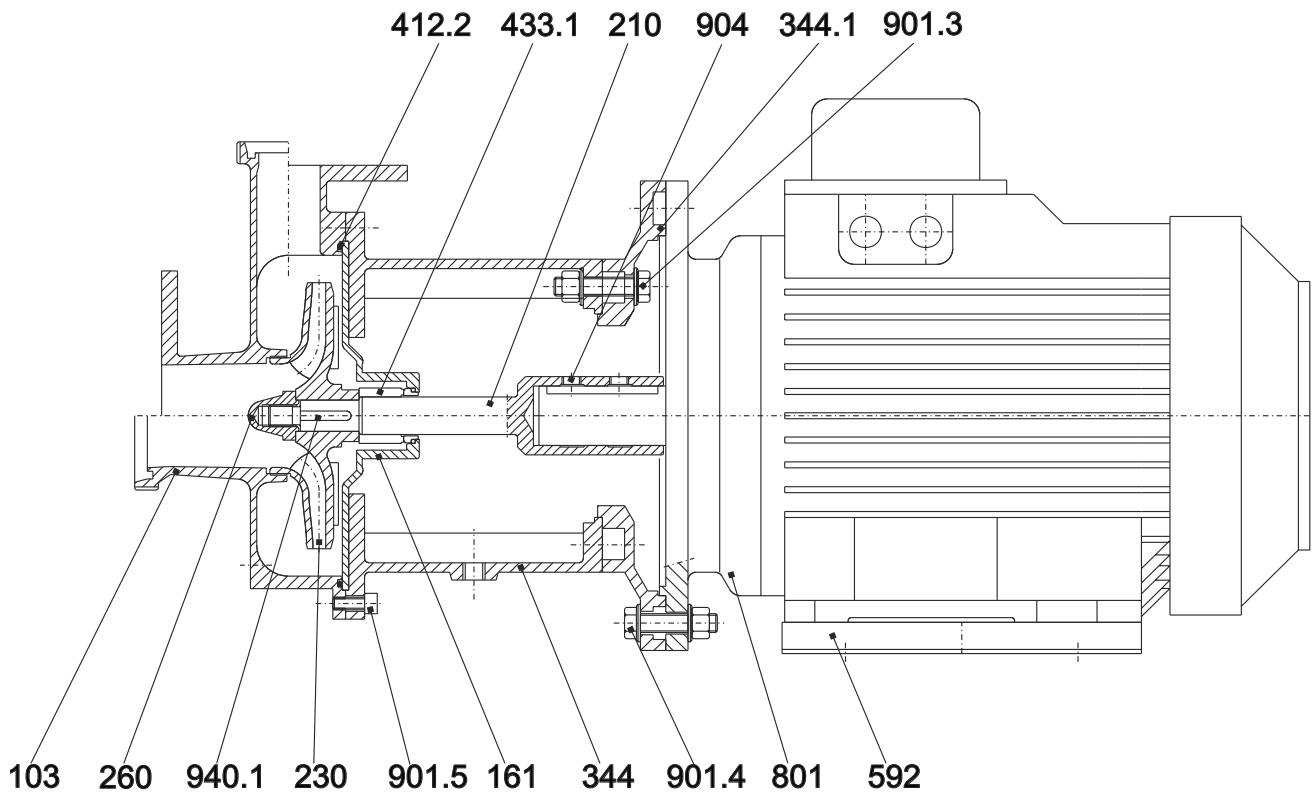
Tenuta a baderna - Gland packing

N.	DESCRIZIONE	DESCRIPTION
161	Coperchio del corpo a tenuta meccanica	Casing cover - mechanical seal
161.1	Coperchio del corpo a esecuzione "C"	Casing cover "C" execution
161.2	Coperchio del corpo a esecuzione "L"	Casing cover "L" execution
161.3	Coperchio del corpo a esecuzione "A" e "H"	Casing cover "A" and "H" executions
161.4	Coperchio del corpo a esecuzione "B"	Casing cover "B" execution
161.5	Coperchio del corpo a esecuzione "F"	Casing cover "F" execution
165	Camicia di riscaldamento / raffreddamento	Cooling / Heating jacket
412.1	O.Ring	O.Ring
412.2	O.Ring	O.Ring
433.1	Tenuta meccanica	Mechanical seal
433.2	Tenuta meccanica	Mechanical seal
452	Premitreccia	Packing gland
458	Anello idraulico	Lantern ring
461	Baderna	Packing ring
471	Coperchio tenuta meccanica	Mechanical seal cover
485(a)	Distanziale tenuta meccanica(a)	Mechanical seal spacer(a)
504	Distanziale	Spacer
900	Prigioniero con dado	Stud with nut

^(a) Su HD-HG con lanterna grandezza 1 (vedi tabella T-1453 «Dati tecnici») viene utilizzato un seeger al posto del distanziale.

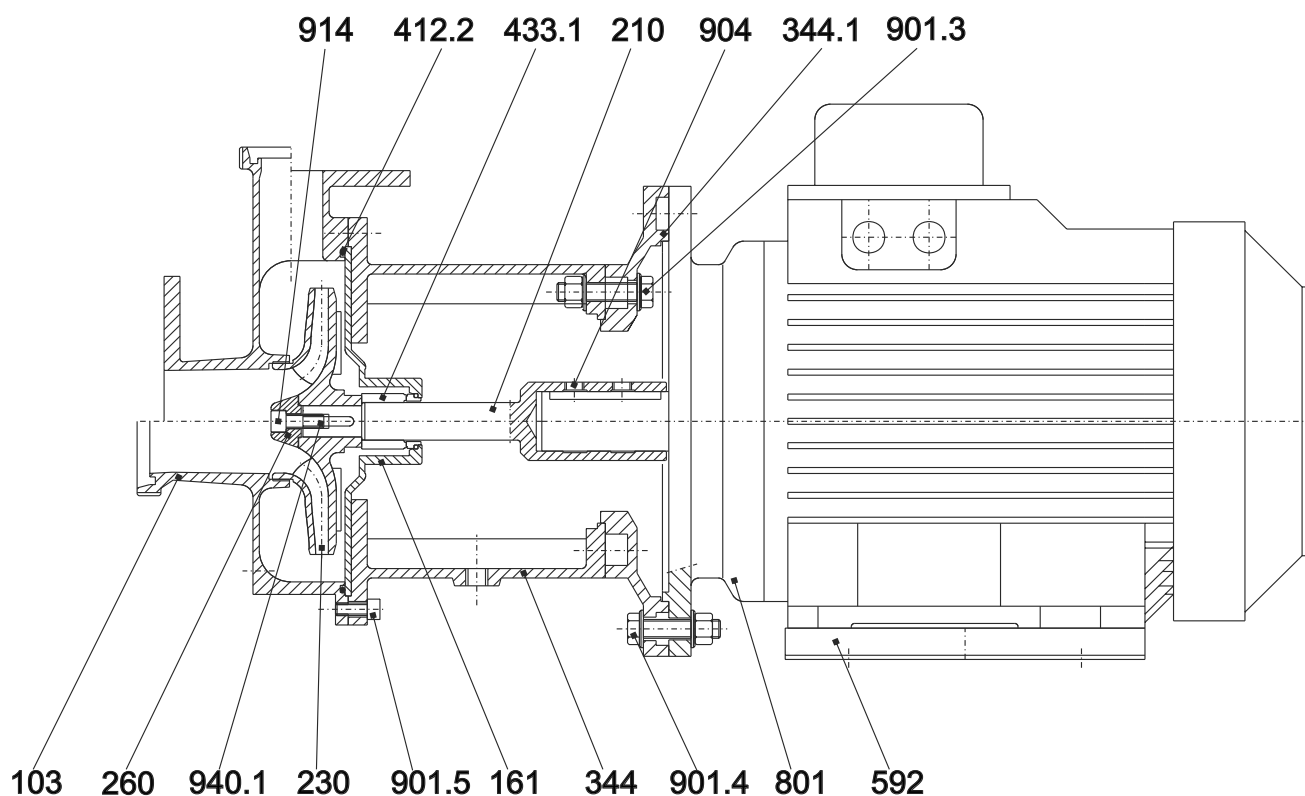
^(a) HD-HG pumps, lantern bracket size 1 (see table T-1453 «Technical features»): instead of the spacer, it has been mounted the circlip.

Grandezze - Size : 25-16, 25-19, 32-16, 32-20, 40-16, 40-20, 50-16, 50-20



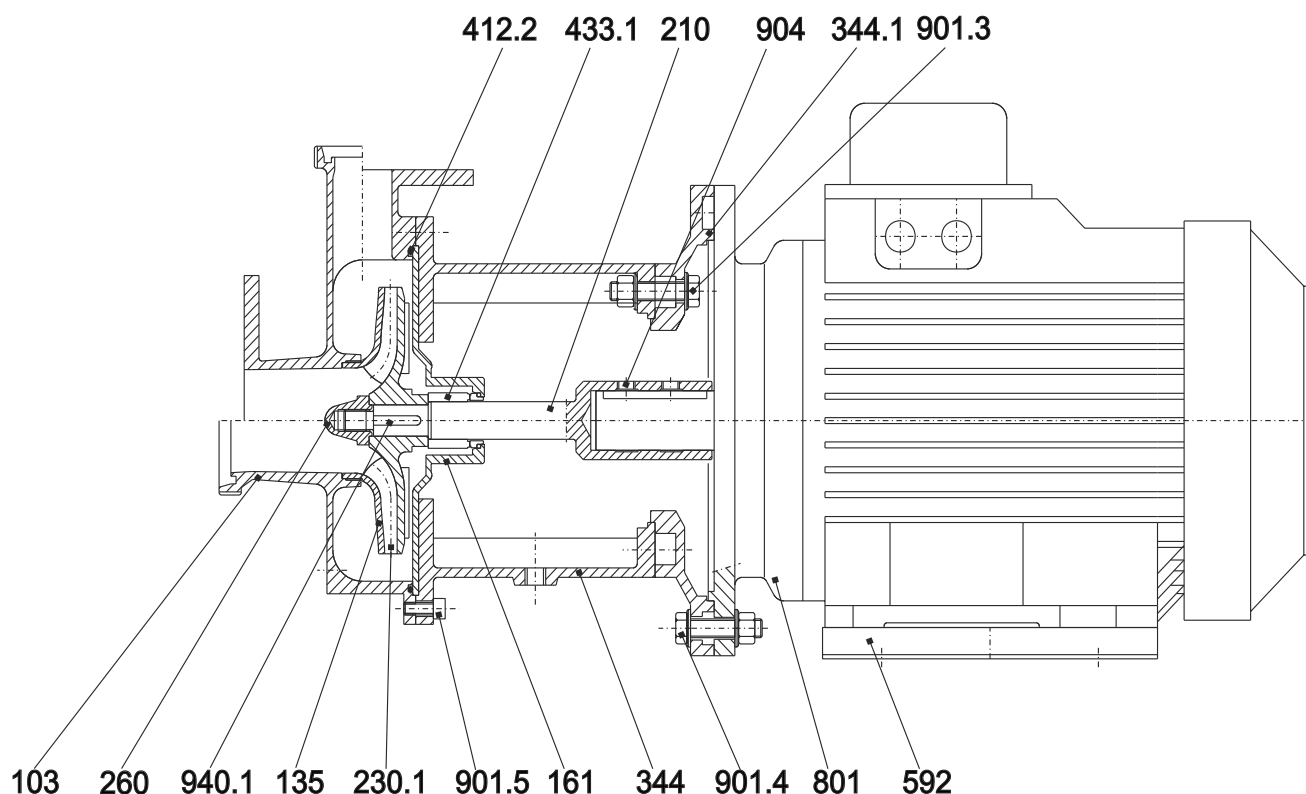
N.	DESCRIZIONE	DESCRIPTION
103	Corpo	Casing
161	Coperchio del corpo	Casing cover
210	Albero	Shaft
230	Girante	Impeller
260	Ogiva girante	Impeller hub
344	Lanterna motore	Lantern bracket
344.1	Flangia di riduzione	Reduction flange
412.2	O.Ring	O.Ring
433.1	Tenuta meccanica	Mechanical seal
592	Piede motore	Electric motor foot
801	Motore elettrico	Electric motor
901.3	Vite T.E con dado	Hex head screw with nut
901.4	Vite T.E. con dado	Hex head screw with nut
901.5	Vite T.C.E.I.	Screw
904	Grano	Locking screw
940.1	Linguetta girante	Impeller key

Grandezze - Size : 65-16, 65-20, 80-16; 80-20



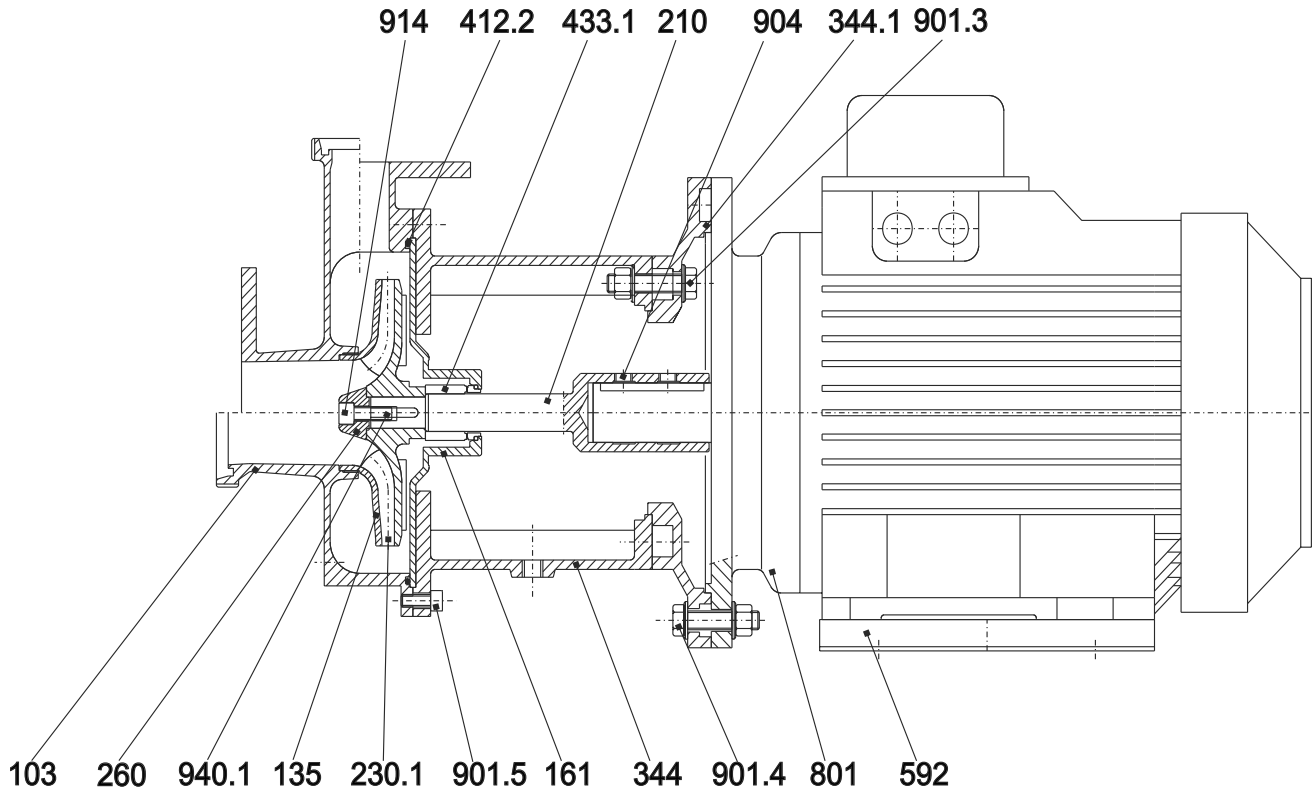
N.	DESCRIZIONE	DESCRIPTION
103	Corpo	Casing
161	Coperchio del corpo	Casing cover
210	Albero	Shaft
230	Girante	Impeller
260	Ogiva girante	Impeller hub
344	Lanterna motore	Lantern bracket
344.1	Flangia di riduzione	Reduction flange
412.2	O.Ring	O.Ring
433.1	Tenuta meccanica	Mechanical seal
592	Piede motore	Electric motor foot
801	Motore elettrico	Electric motor
901.3	Vite T.E con dado	Hex head screw with nut
901.4	Vite T.E. con dado	Hex head screw with nut
901.5	Vite T.C.E.I.	Screw
904	Grano	Locking screw
914	Vite ogivale	Screw
940.1	Linguetta girante	Impeller key

Grandezze - Size : 32-16, 32-20, 40-16, 40-20, 50-16, 50-20

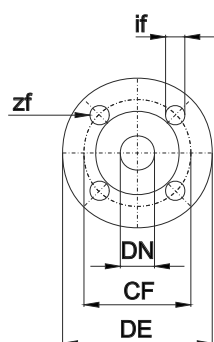
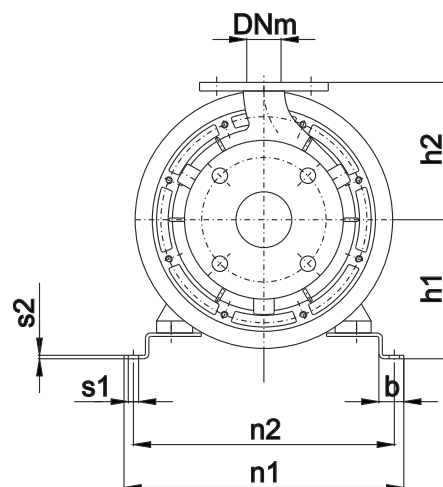
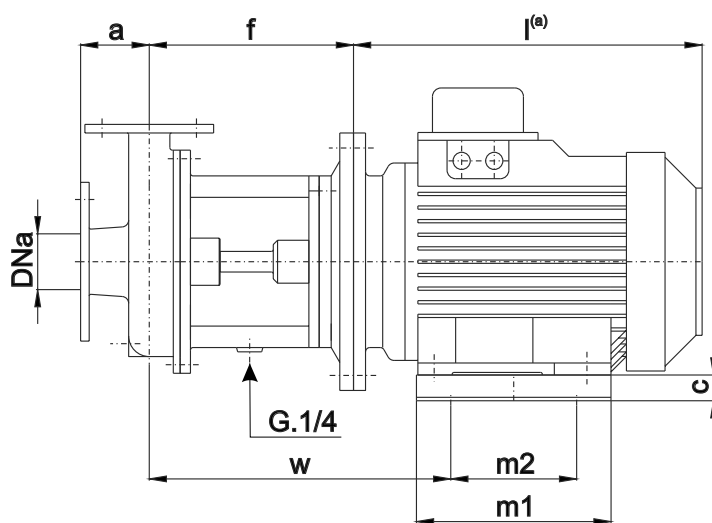
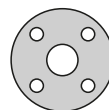


N.	DESCRIZIONE	DESCRIPTION
103	Corpo	Casing
135	Piastra d'usura	Wear plate
161	Coperchio del corpo	Casing cover
210	Albero	Shaft
230.1	Girante aperta	Impeller
260	Ogiva girante	Impeller hub
344	Lanterna motore	Lantern bracket
344.1	Flangia di riduzione	Reduction flange
412.2	O.Ring	O.Ring
433.1	Tenuta meccanica	Mechanical seal
592	Piede motore	Electric motor foot
801	Motore elettrico	Electric motor
901.3	Vite T.E con dado	Hex head screw with nut
901.4	Vite T.E. con dado	Hex head screw with nut
901.5	Vite T.C.E.I.	Screw
904	Grano	Locking screw
940.1	Linguetta girante	Impeller key

Grandezze - Size : 65-16, 65-20, 80-16; 80-20



N.	DESCRIZIONE	DESCRIPTION
103	Corpo	Casing
135	Piastra d'usura	Wear plate
161	Coperchio del corpo	Casing cover
210	Albero	Shaft
230.1	Girante	Impeller
260	Ogiva girante	Impeller hub
344	Lanterna motore	Lantern bracket
344.1	Flangia di riduzione	Reduction flange
412.2	O.Ring	O.Ring
433.1	Tenuta meccanica	Mechanical seal
592	Piede motore	Electric motor foot
801	Motore elettrico	Electric motor
901.3	Vite T.E con dado	Hex head screw with nut
901.4	Vite T.E. con dado	Hex head screw with nut
901.5	Vite T.C.E.I.	Screw
904	Grano	Locking screw
914	Vite ogivale	Screw
940.1	Linguetta girante	Impeller key

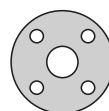


Dimensioni Flange - Dimensions Flanges EN 1092-1

DNa - DNm	25	32	40	50	65	80	100	125
CF	85	100	110	125	145	160	180	210
DE	115	140	150	165	185	200	220	250
if	14	18	18	18	18	18	18	18
zf	4	4	4	4	4	8	8	8

MOTORE ELETTRICO - ELECTRIC MOTOR

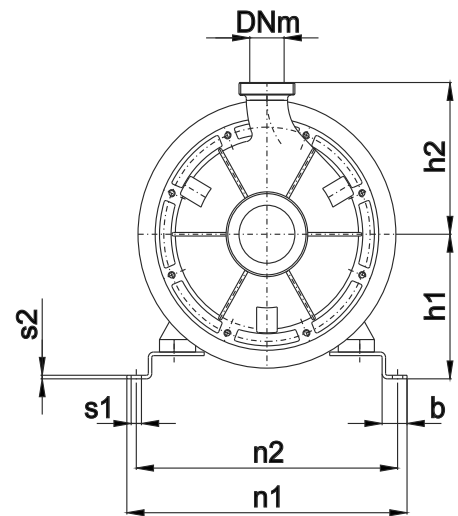
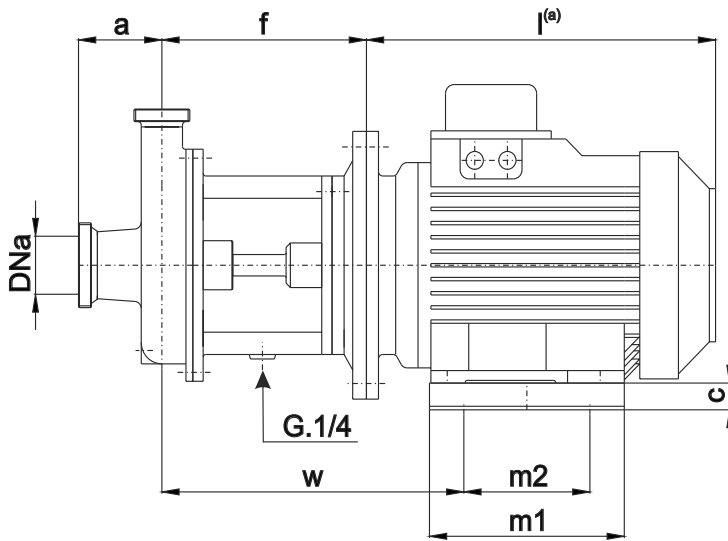
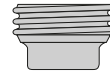
Grandezza Size IEC	Potenza in kw Power in kw			L ^(a) [mm]	Peso ^(a) Weight [kg]
	2 Poli	4 Poli	6 Poli		
	2 Poles	4 Poles	6 Poles		
80	0.75	0.55	0.37	232	9
80	1.1	0.75	0.55	232	10
90	1.5	1.1	0.75	245	13
90	2.2	1.5	1.1	270	16
100	3	2.2	1.5	298	21
100	-	3	-	298	23
112	4	4	2.2	312	30
132	5.5	5.5	3	381	40
132	7.5	7.5	4	381	50
132	9.2	9.2	5.5	381	50
160	11	11	7.5	486	76
160	15	15	11	486	85
160	18.5	-	-	486	95
180	22	18.5	-	576	125
180	-	22	15	576	145



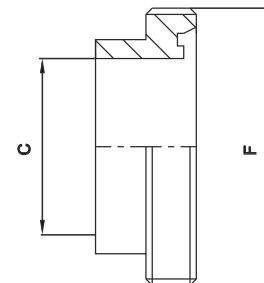
Pompa tipo Pump size	Grandezza motore Motor size	DIMENSIONI-DIMENSIONS [mm]															Peso weight ^(b) [kg]
		DNa	DNm	a	f	h1	h2	b	c	m1	m2	n1	n2	s1	s2	w	
25-16	80	40	25	60	187	155	147	23	75	300	220	203	183	10	3	177	15
	90	40	25	60	187	165	147	23	75	300	220	218	198	10	3	183	15
	100	40	25	60	207	155	147	25	55	280	200	240	218	12	3	240	21
	112	40	25	60	207	167	147	25	55	280	200	270	248	12	3	247	21
32-16	80	50	32	80	194	155	160	23	75	300	220	203	183	10	3	184	18
	90	50	32	80	194	165	160	23	75	300	220	218	198	10	3	190	18
	100	50	32	80	214	155	160	25	55	280	200	240	218	12	3	247	24
	112	50	32	80	214	167	160	25	55	280	200	270	248	12	3	254	24
	132	50	32	80	234	162	160	29	30	340	220	326	304	14	4	283	24
32-20	VEDI RSA 32 - 20 SEE RSA 32 - 20																
40-16	80	65	40	80	198	155	160	23	75	300	220	203	183	10	3	188	20
	90	65	40	80	198	165	160	23	75	300	220	218	198	10	3	194	20
	100	65	40	80	218	155	160	25	55	280	200	240	218	12	3	251	26
	112	65	40	80	218	167	160	25	55	280	200	270	248	12	3	258	26
	132	65	40	80	238	162	160	29	30	340	220	326	304	14	4	287	26
40-20	VEDI RSA 40 - 20 SEE RSA 40 - 20																
50-16	80	80	50	100	203	155	180	23	75	300	220	203	183	10	3	193	21
	90	80	50	100	203	165	180	23	75	300	220	218	198	10	3	199	21
	100	80	50	100	223	155	180	25	55	280	200	240	218	12	3	256	27
	112	80	50	100	223	167	180	25	55	280	200	270	248	12	3	263	27
	132	80	50	100	243	162	180	29	30	340	220	326	304	14	4	292	27
	160	80	50	100	273	210	180	45	50	500	350	404	364	15	5	311	32
50-20	80	80	50	100	221	155	200	23	75	300	220	203	183	10	3	211	27
	90	80	50	100	221	165	200	23	75	300	220	218	198	10	3	217	27
	100	80	50	100	238	155	200	25	55	280	200	240	218	12	3	271	33
	112	80	50	100	238	167	200	25	55	280	200	270	248	12	3	281	33
	132	80	50	100	261	162	200	29	30	340	220	326	304	14	4	310	33
	160	80	50	100	291	210	200	45	50	500	350	404	364	15	5	329	41
65-16	80	100	65	100	230	155	200	23	75	300	220	203	183	10	3	220	29
	90	100	65	100	230	165	200	23	75	300	220	218	198	10	3	225	29
	100	100	65	100	250	155	200	25	55	280	200	240	218	12	3	282	35
	112	100	65	100	250	167	200	25	55	280	200	270	248	12	3	290	35
	132	100	65	100	270	162	200	29	30	340	220	326	304	14	4	318	35
	160	100	65	100	300	210	200	45	50	500	350	404	364	15	5	328	43
65-20	90	100	65	100	229	190	225	30	100	370	220	234	207	12	3	225	35
	100	100	65	100	249	200	225	30	100	370	220	254	227	12	3	272	41
	112	100	65	100	249	212	225	30	100	370	220	284	257	12	3	279	41
	132	100	65	100	269	212	225	31	80	400	300	325	298	12	4	278	41
	160	100	65	100	299	210	225	45	50	500	350	404	364	15	5	337	49
	180	100	65	100	299	230	225	45	50	500	350	429	389	15	5	365	49
80-16	90	125	80	125	296	190	225	30	100	370	220	234	207	12	3	232	37
	100	125	80	125	256	200	225	30	100	370	220	254	227	12	3	279	43
	112	125	80	125	256	212	225	30	100	370	220	284	257	12	3	286	43
	132	125	80	125	276	212	225	31	80	400	300	325	298	12	4	285	43
	160	125	80	125	306	210	225	45	50	500	350	404	364	15	5	344	51
	180	125	80	125	306	230	225	45	50	500	350	429	389	15	5	372	51
80-20	90	125	80	125	236	190	250	30	100	370	220	234	207	12	3	232	40
	100	125	80	125	256	200	250	30	100	370	220	254	227	12	3	279	46
	112	125	80	125	256	212	250	30	100	370	220	284	257	12	3	286	46
	132	125	80	125	276	212	250	31	80	400	300	325	298	12	4	285	46
	160	125	80	125	306	210	250	45	50	500	350	404	364	15	5	344	54
	180	125	80	125	306	230	250	45	50	500	350	429	389	15	5	372	54

Quote e pesi suscettibili di variazione.
Dimensions and weights are subject to variations.

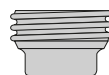
^(b)Peso senza motore elettrico
Weight without electric motor



MOTORE ELETTRICO - ELECTRIC MOTOR					
Grandezza Size IEC	Potenza in kw Power in kw			L ^(a) [mm]	Peso ^(a) Weight [kg]
	2 Poli 2 Poles	4 Poli 4 Poles	6 Poli 6 Poles		
80	0.75	0.55	0.37	232	9
80	1.1	0.75	0.55	232	10
90	1.5	1.1	0.75	245	13
90	2.2	1.5	1.1	270	16
100	3	2.2	1.5	298	21
100	-	3	-	298	23
112	4	4	2.2	312	30
132	5.5	5.5	3	381	40
132	7.5	7.5	4	381	50
132	9.2	9.2	5.5	381	50
160	11	11	7.5	486	76
160	15	15	11	486	85
160	18.5	-	-	486	95
180	22	18.5	-	576	125
180	-	22	15	576	145



DIN 11851		
DN	C	F
25	25,0	52x1/6
32	31,0	58x1/6
40	37,0	65x1/ 6
50	49,0	78x1/ 6
65	66,0	95x1/6
80	81,0	110x1/4
100	97,6	130x1/4



Pompa tipo <i>Pump size</i>	Grandezza motore <i>Motor size</i>	DIMENSIONI-DIMENSIONS [mm]															Peso <i>weight</i> ^(b) [kg]
		DNa	DNm	a	f	h1	h2	b	c	m1	m2	n1	n2	s1	s2	w	
25-16	80	40	25	76	194	155	161	23	75	300	220	203	183	10	3	184	15
	90	40	25	76	194	165	161	23	75	300	220	216	198	10	3	190	15
	100	40	25	76	214	155	161	25	55	280	200	240	218	12	3	247	21
	112	40	25	76	214	167	161	25	55	280	200	270	248	12	3	254	21
32-16	80	50	32	95	194	155	175	23	75	300	220	203	183	10	3	184	18
	90	50	32	95	194	165	175	23	75	300	220	218	198	10	3	190	18
	100	50	32	95	214	155	175	25	55	280	200	240	218	12	3	247	24
	112	50	32	95	214	167	175	25	55	280	200	270	248	12	3	254	24
	132	50	32	95	234	162	175	29	30	340	220	326	304	14	4	283	24
32-20	VEDI RSA 32 - 20 SEE RSA 32 - 20																
40-16	80	65	40	97	198	155	175	23	75	300	220	203	183	10	3	188	20
	90	65	40	97	198	165	175	23	75	300	220	218	198	10	3	194	20
	100	65	40	97	218	155	175	25	55	280	200	240	218	12	3	251	26
	112	65	40	97	218	167	175	25	55	280	200	270	248	12	3	258	26
	132	65	40	97	238	162	175	29	30	340	220	326	304	14	4	287	26
40-20	VEDI RSA 40 - 20 SEE RSA 40 - 20																
50-16	80	80	50	133	203	155	195	23	75	300	220	203	183	10	3	193	21
	90	80	50	133	203	165	195	23	75	300	220	218	198	10	3	199	21
	100	80	50	133	223	155	195	25	55	280	200	240	218	12	3	256	27
	112	80	50	133	223	167	195	25	55	280	200	270	248	12	3	263	27
	132	80	50	133	243	162	195	29	30	340	220	326	304	14	4	292	27
	160	80	50	133	273	210	195	45	50	500	350	404	364	15	5	311	32
50-20	80	80	50	133	221	155	215	23	75	300	220	203	183	10	3	211	27
	90	80	50	133	221	165	215	23	75	300	220	218	198	10	3	217	27
	100	80	50	133	238	155	215	25	55	280	200	240	218	12	3	271	33
	112	80	50	133	238	167	215	25	55	280	200	270	248	12	3	281	33
	132	80	50	133	261	162	215	29	30	340	220	326	304	14	4	310	33
	160	80	50	133	291	210	215	45	50	500	350	404	364	15	5	329	41
65-16	80	100	65	143	230	155	217	23	75	300	220	203	183	10	3	220	29
	90	100	65	143	230	165	217	23	75	300	220	218	198	10	3	225	29
	100	100	65	143	250	155	217	25	55	280	200	240	218	12	3	282	35
	112	100	65	143	250	167	217	25	55	280	200	270	248	12	3	290	35
	132	100	65	143	270	162	217	29	30	340	220	326	304	14	4	318	35
	160	100	65	143	300	210	217	45	50	500	350	404	364	15	5	338	43
65-20	90	100	65	143	229	190	242	30	100	370	220	234	207	12	3	225	35
	100	100	65	143	249	200	242	30	100	370	220	254	227	12	3	272	41
	112	100	65	143	249	212	242	30	100	370	220	284	257	12	3	279	41
	132	100	65	143	269	212	242	31	80	400	300	325	298	12	4	278	41
	160	100	65	143	299	210	242	45	50	500	350	404	364	15	5	337	49
	180	100	65	143	299	230	242	45	50	500	350	429	389	15	5	365	49
80-16	90	125	80	170	236	190	258	30	100	370	220	234	207	12	3	232	37
	100	125	80	170	256	200	258	30	100	370	220	254	227	12	3	279	43
	112	125	80	170	256	212	258	30	100	370	220	284	257	12	3	286	43
	132	125	80	170	276	212	258	31	80	400	300	325	298	12	4	285	43
	160	125	80	170	306	210	258	45	50	500	350	404	364	15	5	344	51
	180	125	80	170	306	230	258	45	50	500	350	429	389	15	5	372	51
80-20	90	125	80	170	236	190	283	30	100	370	220	234	207	12	3	232	40
	100	125	80	170	256	200	283	30	100	370	220	254	227	12	3	279	46
	112	125	80	170	256	212	283	30	100	370	220	284	257	12	3	286	46
	132	125	80	170	276	212	283	31	80	400	300	325	298	12	4	285	46
	160	125	80	170	306	210	283	45	50	500	350	404	364	15	5	344	54
	180	125	80	170	306	230	283	45	50	500	350	429	389	15	5	372	54

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Weight without electric motor

