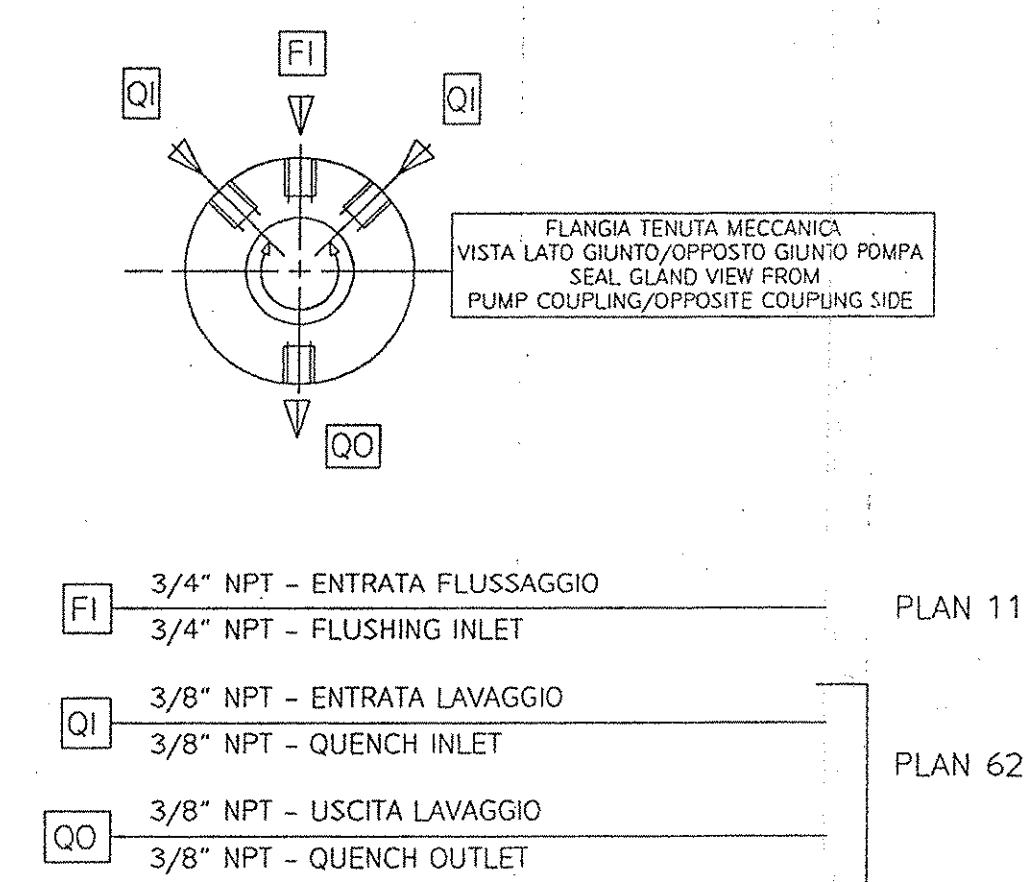
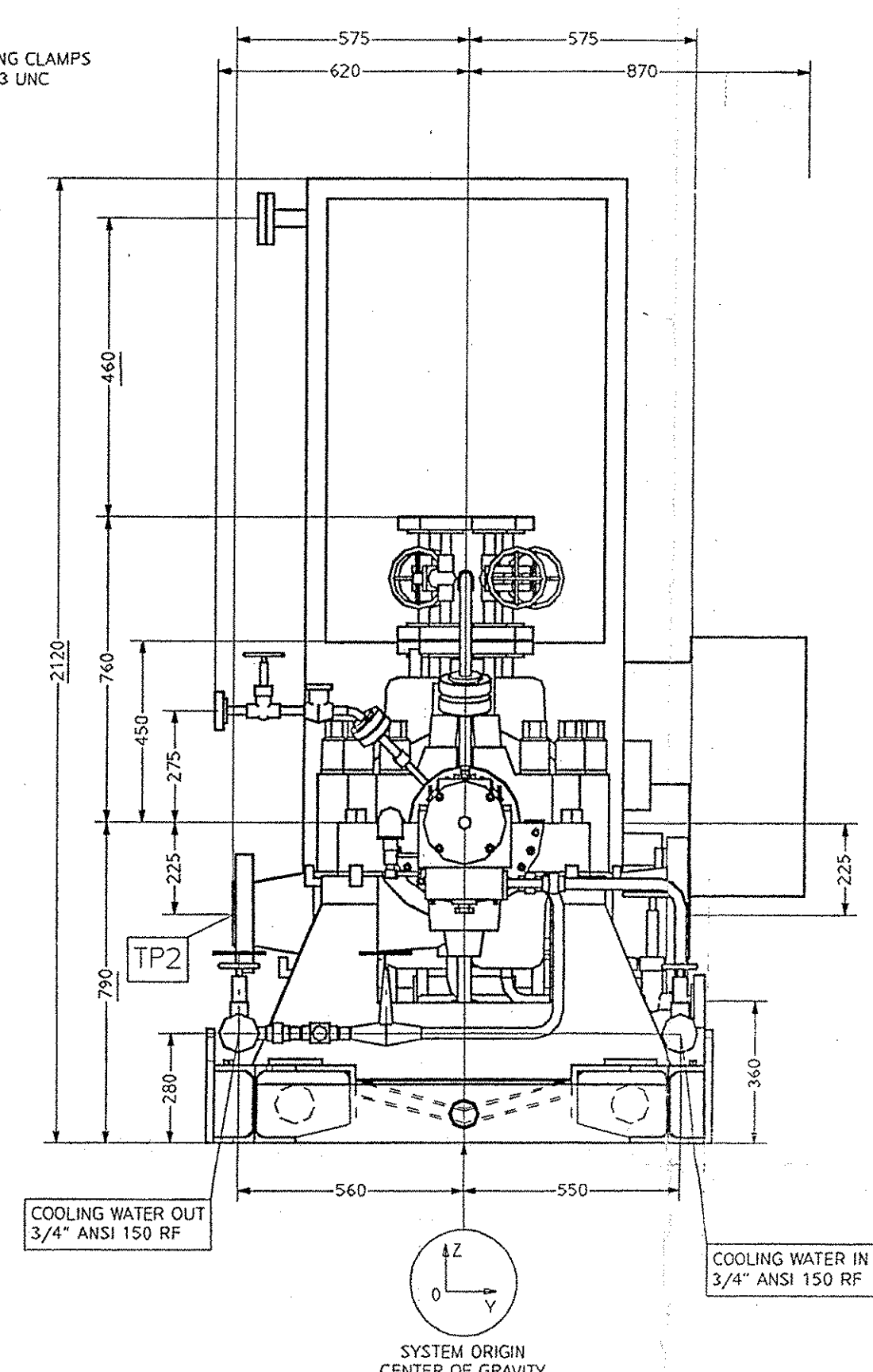
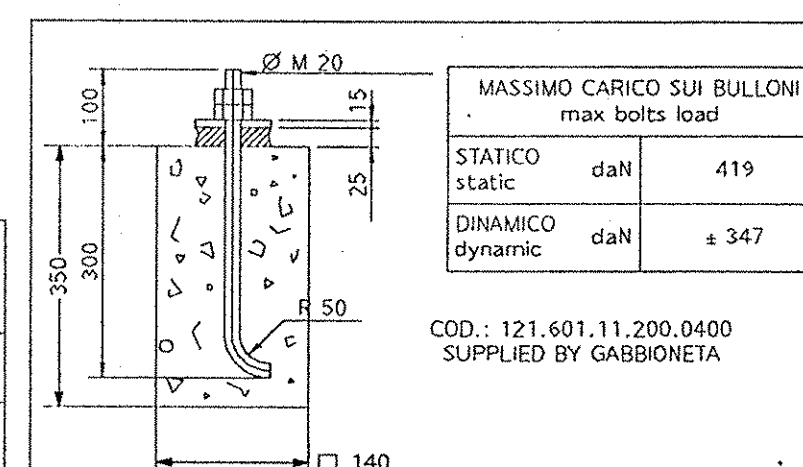


MOTORE motor	ABB
TIPO type	AMA_355_S2_ABAM
POTENZA power	500 kW
VOLTAGGIO voltage	6000 VY
FREQUENZA-NUM. POLI frequency-poles no.	50 Hz - 2
FASI phases	3
CLASSE PROT. prot. class	IP55
ENTRATA PRESSACAVO cable gland entry	



DILATAZIONI TERMICHE thermal expansions			
	X mm	Y mm	Z mm
ALBERO POMPA pump shaft	-0.2	0	0.10
ALBERO MOTORE motor shaft			

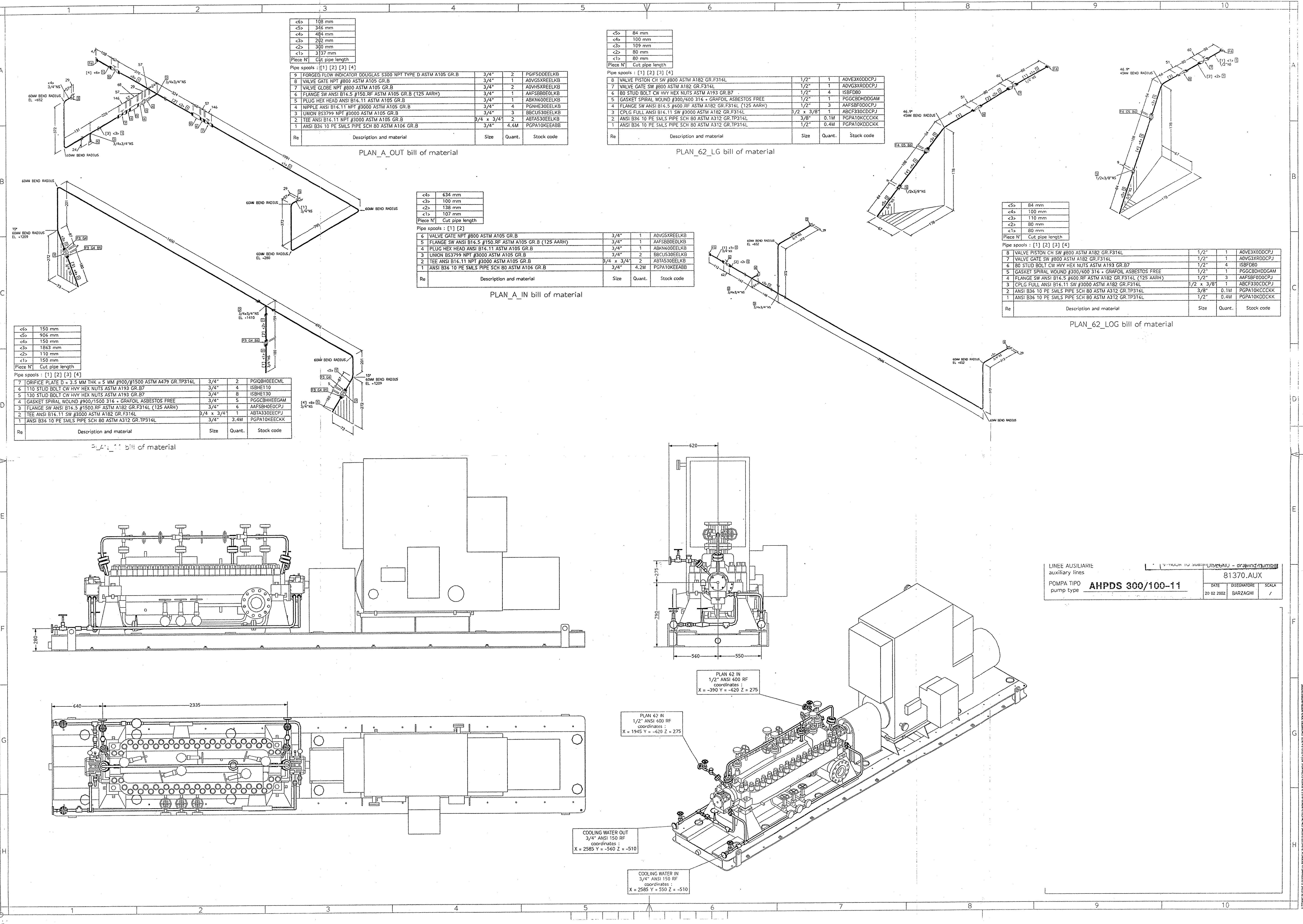


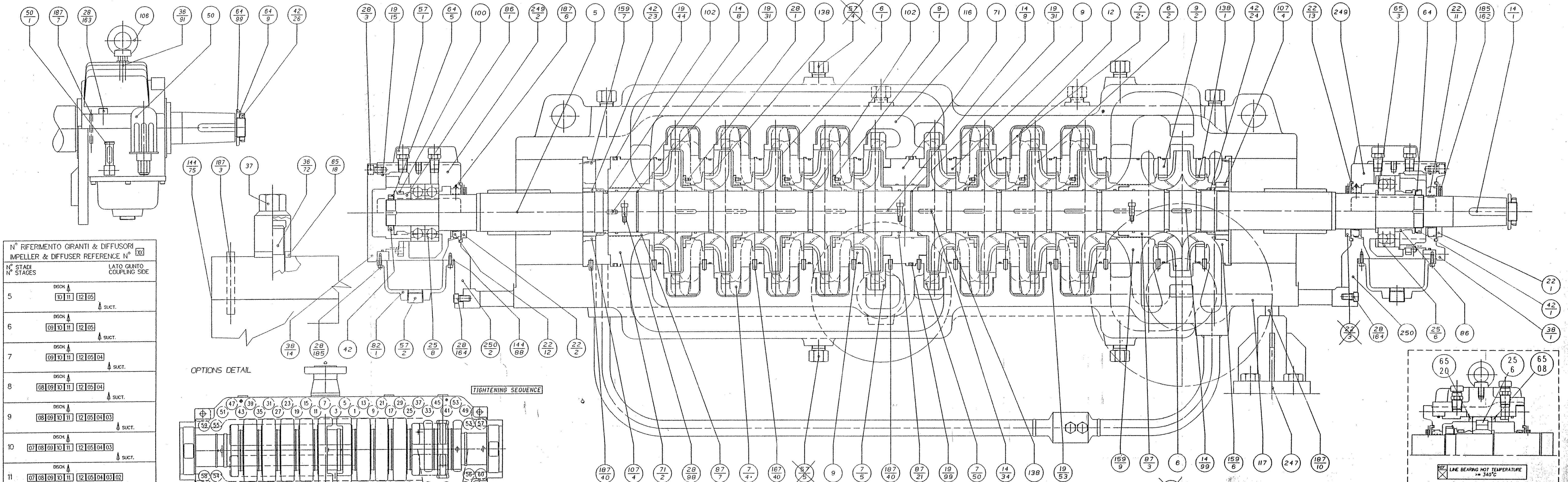
LINEA DI FLUSSAGGIO flushing line	PLAN: 11	
LINEA DI LAVAGGIO quench line	PLAN: 62	
LINEA DI RAFFREDD. cooling line	PLAN: A	
LINEA DI CIRCOLAZIONE circulation line	PLAN: N.A.	DWG:
DIS. DI SEZIONE E LISTA PEZZI sectional dwg and bill of materials		
MOTORE ELETTRICO electrical motor		DWG:
TENUTA MECCANICA mechanical seal		

(NPT)		
(NPT)		
MASSA POMPA pump mass		3750 kg
MASSA MOTORE motor mass		2500 kg
MASSA BASAMENTO baseplate mass		2053 kg
MASSA DELL'INTERO GRUPPO DA INSTALLARE whole assembly mass to be handled for erection		8379 kg
MASSA DELL'ELEMENTO PIU' PESANTE DA MANEGGIARE PER LA MANUTENZIONE mass of the heaviest piece to be handled for maintenance		500 kg

DISEGNO DI INSTALLAZIONE general arrangement drawing		DISEGNO - drawing number 28657.00	
POMPA TIPO pump type	AHPDS 300/100-11	DATE 14 Nov 2001	DISEGNATORE BARZAGHI
			SCALA /

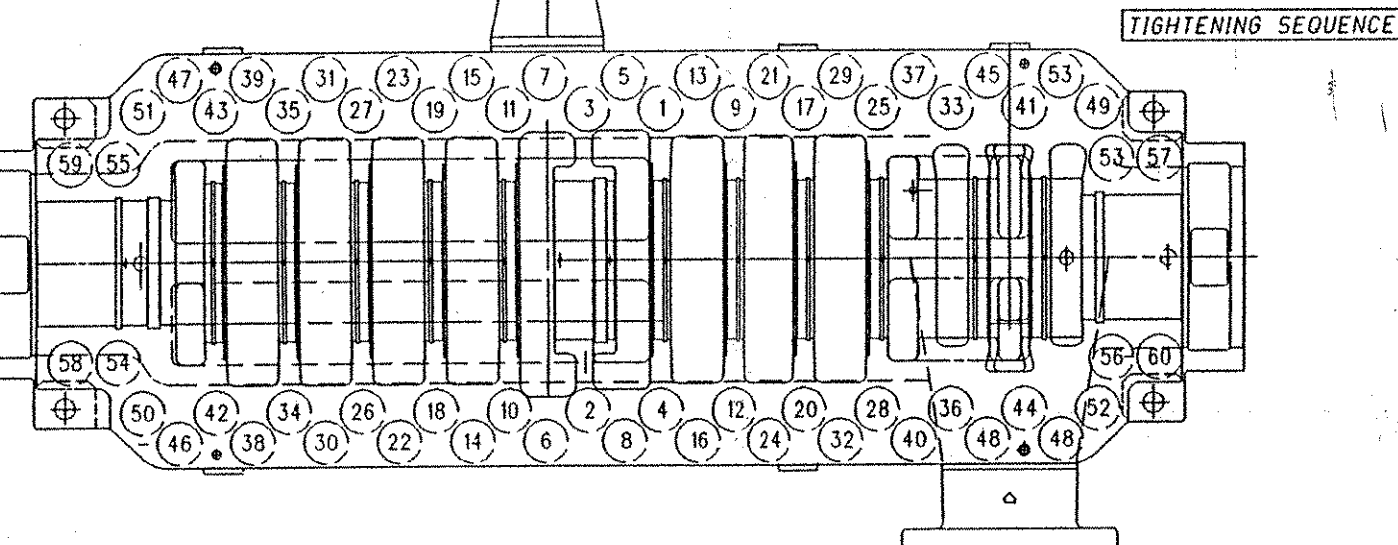
[illegible]





N° RIFERIMENTO GRANTI & DIFFUSORI	
IMPELLER & DIFFUSER REFERENCE N°	
N° STADI	LATO GIUNTO
N° STAGES	COUPLING SIDE
5	DS04 10 11 12 05
6	DS04 09 10 11 12 05
7	DS04 09 10 11 12 05 04
8	DS04 08 09 10 11 12 05 04
9	DS04 08 09 10 11 12 05 04 03
10	DS04 07 08 09 10 11 12 05 04 03
11	DS04 07 08 09 10 11 12 05 04 03 02
12	DS04 06 07 08 09 10 11 12 05 04 03 02
13	DS04 06 07 08 09 10 11 12 05 04 03 02 01

OPTIONS DETAIL



• NOTA IMPORTANTE: Per minimizzare i livelli di vibrazione tutti i diffusori sono montati sul corpo reciprocamente sfalsati il numero [XX] e stampigliato sul diffusore e indica la sua corretta posizione sul corpo.
Nella tabella a fianco sono riportati i numeri di riferimento dei diffusori al variare del numero di stadi della pompa.
Per l'ordinazione di parti di ricambio il suddetto numero andrà indicato con il corrispondente numero di codice.

• IMPORTANT NOTE: To absolutely minimise vibration levels, all diffusers are located on casing reciprocally staggered. Number [XX] is printed on diffuser and indicates its correct location on casing.
On enclosed tablet the diffuser reference numbers are listed for different pump stages configuration.
For spare ordering please communicate us this number together with the part code.

POSITION	DESCRIPTION	CODE NUMBER	MAT.	ASTM	TREATMENT	QTY	REV
005/000	Shaft	005 631 286550600	A276	F410A		1	
006/000	Impeller with wear ring	006 501 286600000	A216	WCB		1	
006/001	Impeller without wear ring	006 501 286600050	A216	WCB		1	
006/002	Impeller with wear ring	006 501 280780001	A216	WCB		5	
006/002	Impeller without wear ring	006 501 280780051	A216	WCB		5	
007/002	Diffuser	007 501 285380302	A216	WCB		1	
007/002	Diffuser	007 501 285380303	A216	WCB		1	
007/002	Diffuser	007 501 285380304	A216	WCB		1	
007/002	Diffuser	007 501 285380305	A216	WCB		1	
007/004	Diffuser	007 501 285380307	A216	WCB		1	
007/004	Diffuser	007 501 285380308	A216	WCB		1	
007/004	Diffuser	007 501 285380309	A216	WCB		1	
007/004	Diffuser	007 501 285380310	A216	WCB		1	
007/005	Diffuser	007 501 285380411	A216	WCB		1	
007/050	Diffuser	007 501 285380412	A216	WCB		1	
009/000	Casing wear ring	009 631 282270121	A182	F6 AI	Hardening	10	
009/001	Casing wear ring	009 631 441503013	A182	F6AI	Hardening	8	
009/002	Casing wear ring	009 631 282270021	A182	F6 AI	Hardening	2	
012/000	Distance sleeve	012 631 281180001	A276	410	Hardening	9	
014/001	Key	014 601 102012080	A576	1040		1	
014/008	Key	014 625 101811016	A240	316L		1	
014/009	Key	014 625 101811070	A240	316L		1	
014/015	Key	014 625 101811056	A240	316L		9	
014/034	Key	014 625 101811050	A240	316L		1	
014/099	Key	014 625 101208070	A240	316L		1	
015/NPS	Mechanical seal	015 A08 1370	C.27202.08			2	
019/015	O-Ring	019 110 000000211	NITRILE			2	
019/031	O-Ring	019 116 000000192	VITON			2	
019/044	O-Ring	019 116 000000358	VITON			1	
019/053	O-Ring	019 116 000000228	VITON			1	
019/099	O-Ring	019 116 000000363	VITON			1	
022/001	Deflector	022 202 268550204	B221	6351		1	
022/002	Deflector	022 202 268550204	B221	6351		1	
022/011	Deflector	022 202 268560204	B221	6351		1	
022/012	Deflector	022 202 268550205	B221	6351		1	
022/012	Deflector	022 202 268560204	B221	6351		1	
022/013	Deflector	022 202 268560205	B221	6351		1	
025/006	Bearing	025 200 ARB213060	STEEL			1	
025/008	Bearing	025 000 203116060	STEEL			2	
028/001	Screw	028 624 414063012	A193	B8M		32	
028/003	Screw	028 601 421127019	A307	A		8	
028/098	Screw	028 617 461095158	A193	B7		6	
028/163	Screw	028 601 421127044	A307	A		8	
028/164	Screw	028 601 421127031	A307	A		20	
028/185	Screw	028 601 421063019	A307	A		16	
036/072	Stud bolt	036 617 991508177	A193	B7		66	

036/091	Stud bolt	036 601 111100050	A307	A	2	
037/000	Nut	037 619 263030000	A194	2H	66	
038/001	Bearing cover	038 601 274750000	A105		1	
038/014	Bearing cover	038 601 273680200	A105		1	
042/000	Lock nut	042 601 381000550	A563	C3	1	
042/001	Lock nut	042 601 381000800	A563	C3	1	
042/023	Lock nut	042 625 281150000	A479	316L	1	Treatment-Free
042/024	Lock nut	042 625 281150100	A479	316L	1	Treatment-Free
042/026	Lock nut	042 601 381000450	A563	C3	1	
050/000	Oiler	050 000 122008137	PYREX		2	
050/001	Oiler	050 001 334036131	STEEL		1	
057/001	Plug	057 200 840000213	ALUMINUM		4	
057/002	Plug	057 601 810700334	A105		2	
057/004	Non fitted	057 999			1	
057/005	Non fitted	057 999			1	
064/000	Lock washer	064 601 710000800	A576	1040	1	
064/005	Lock washer	064 601 710000550	A576	1040	1	
064/009	Lock washer	064 601 710000450	A576	1040	1	
064/099	Lock washer	064 601 A00000480	A576	1040	1	
065/003	Washer	065 601 184030105	A105		1	
065/008	Washer	065 601 237420100	A283	D	1	
065/018	Washer	065 625 263030000	A276	316L	66	
065/020	Washer	065 601 237420200	A283	D	1	
071/000	Balancing drum liner	071 631 281200101	A276	410	1	Tungsten-Carbide
071/002	Balancing drum liner	071 501 281210001	A216	WCB	1	Tungsten-Carbide
082/001	Oil cooling tank	082 501 267940101	A216	WCB	2	
086/000	Oil ring carrier	086 601 274840100	A105		1	
086/001	Oil ring carrier	086 601 274840004	A105		1	
087/003	Shaft sleeve	087 631 281170203	A276	410	1	Tungsten-Carbide
087/007	Shaft sleeve	087 631 281170303	A276	410	1	Tungsten-Carbide
087/021	Shaft sleeve	087 631 281160002	A276	410	1	Tungsten-Carbide
100/000	Oil ring	100 601 514513512	A283	D	2	
102/000	Split ring	102 631 281190000	A276	410	13	
106/000	Eye bolt	106 501 120000100	A283	D	2	
107/004	Throat bushing	107 631 821350004	A276	410	2	Hardening
116/000	Upper casing half	116 501 280631500	A216	WCB	1	A
117/000	Lower casing half	117 501 280631500	A216	WCB	1	A
119/NPS	Baseplate	119 001 281630612	A283	D	1	
121/NPS	Foundation bolt	121 601 112000400	A283	D	20	
138/000	Impeller wear ring	138 631 180195230	A182	F6 AI	1	Hardening
138/001	Impeller wear ring	138 631 165180230	A182	F6 AI	2	Hardening
144/075	Gasket	144 184 700014410	DURAFGL316		2	
144/088	Gasket	144 128 700007605	ARAM.FIBER		2	
149/NPS	Flange	149 601 400350400	A105		8	
149/NPS	Flange	149 601 400360500	A 105		4	
159/006	Intermediate bearing	159 501 281230001	A516	WCB	1	
159/007	Intermediate bearing	159 631 281220000	A182	F6 AI	1	
159/009	Intermediate bearing	159 501 281240001	A216	WCB	1	Tungsten-Carbide
185/182	Set screw	185 601 424083012	A307	A	6	
187/003	Dowel	187 601 400180140	A307	A	2	
187/006	Dowel	187 601 300030008	A307	A	2	
187/007	Dowel	187 601 400100045	A307	A	4	
187/010	Dowel	187 601 282280000	A576	1040	2	
187/040	Dowel	187 624 300080020	A193	B8M	15	
223/NPS	Electric motor	223 081 370			1	
232/NPS	Protection	232 200 31	A.A.2017A		1	
247/000	Dowel pin upright	247 501 273770300	A516	WCB	2	
249/000	Bearing housing:upper half	249 501 273650306	A216	WCB	1	
249/002	Bearing housing:upper half	249 501 273650200	A216	WCB	1	
250/000	Bearing housing:lower half	250 501 273650306	A216	WCB	1	
250/002	Bearing housing:lower half	250 501 273650200	A216	WCB	1	
425/NPS	Valve	425 001 152000266	A105		8	

NOT APPLICABLE

