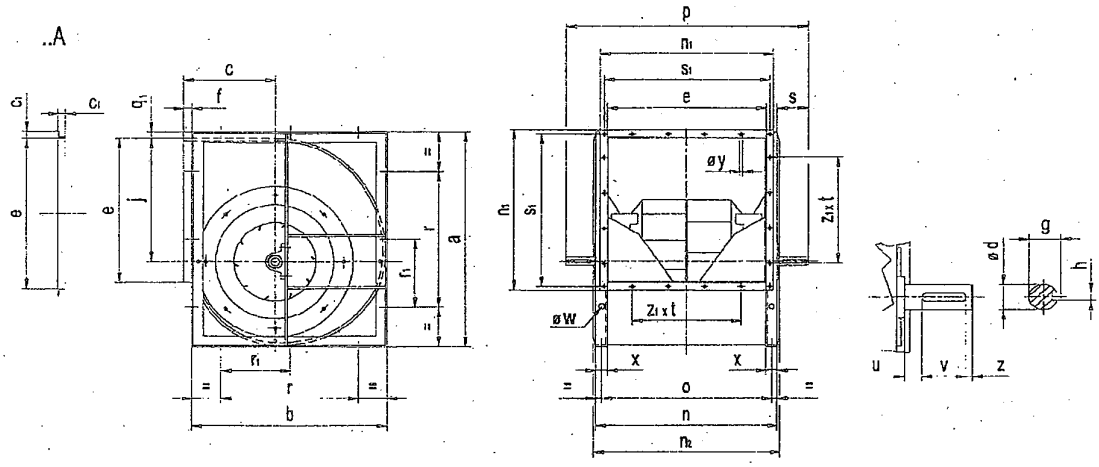
7.4. NTHZ 315 ? 1000 T1; NTHZ 560 ? 1000 T2L; NTHZ 315 ? 1000 T2



	a	b	c	c1	ød			e	f	g			h			j	n	n1	n2			c
					T1	T2L	T2			T1	T2L	T2	T1	T2L	T2				T1	T2L	T2	
NTHZ 315	578	480	236	25	25	-	30	404	39	28	-	33	8	-	8	341	464	454	490	-	490	434
NTHZ 355	655	542	261	25	30	-	35	453	39	33	-	38	8	-	10	384	533	503	541	-	641	493
NTHZ 400	736	606	291	25	30	-	35	507	45	33	-	38	8	-	10	432	587	557	595	-	695	547
NTHZ 450	828	674	322	25	35	-	40	569	52	38	-	43	10	-	12	486	649	619	677	-	757	609
NTHZ 500	918	744	352	25	35	-	40	638	56	38	-	43	10	-	12	540	718	688	746	-	746	678
NTHZ 560	1030	838	390	25	40	50		715	54	43	53,5		12	14		606	815	765	825	845		765
NTHZ 630	1158	936	434	25	40	50		801	62	43	53,5		12	14		681	901	851	911	931		851
NTHZ 710	1304	1048	485	25	50	60		898	71	53,5	64		14	18		767	998	948	1028			958
NTHZ 800	1468	1174	540	25	50	60		1007	81	53,5	64		14	18		864	1107	1057	1137			1067
NTHZ 900	1648	1312	604	30	60			1130	97	64			18			972	1230	1190	1260			1190
NTHZ 1000	1810	1444	657	30	60			1267	97	64			18			1068	1367	1327	1397			1327

	p			r	r1	s			s1	u			v			z			x	ϕ y	q1	ϕ w	z1xt
	T1	T2L	T2			T1	T2L	T2		T1	T2L	T2	T1	T2L	T2	T1	T2L	T2					
NTHZ 315	608	-	625	280	-	72	-	81	434	11	-	11	40	-	40	5	-	10	30	7,5	3	10	4x90
NTHZ 355	709	-	730	355	-	88	-	99	483	27	-	20	40	-	50	10	-	10	40	7,5	5	10	4x90
NTHZ 400	753	-	780	355	178	83	-	97	537	22	-	18	40	-	50	10	-	10	40	7,5	4	10	5x90
NTHZ 450	875	-	920	450	225	113	-	136	599	35	-	34	50	-	70	10	-	10	40	7,5	6	12	6x90
NTHZ 500	906	-	955	450	225	94	-	119	668	16	-	17	50	-	70	10	-	10	40	7,5	4	12	6x90
NTHZ 560	1028	1118		500	250	107	152		745	14	22		70	80		10			50	7,5	6	15	7x90
NTHZ 630	1115	1220		560	280	107	160		831	14	30		70	80		10			50	7,5	7	15	8x90
NTHZ 710	1260	1336		630	315	131	169		928	23	24		80	90		10			50	7,5	6	18	9x90
NTHZ 800	1367	1445		710	355	130	169		1037	22	24		80	90		10			50	7,5	7	18	11x90
NTHZ 900	1529	1574		800	400	150	172		1164	25	27		90			10			50	10	7	18	11x100
NTHZ 1000	1666	1712		900	450	150	173		1301	25	28		90			10			50	10	7	18	12x100

TZAF FF T1, VTZ T1, NTHZ T1, TZAF T1

Fan size	Bore (mm)	INA Unit	INA Unsplitted support	INA Bearing	SKF Unit	SKF Unsplitted support	SKF Bearing
315	25	PASE 25 N	GG ASE 05 N	GRAE 25 NPPB	SY 25 FM	SY 505 M	YET 205
355, 400	30	PASE 30 N	GG ASE 06 N	GRAE 30 NPPB	SY 30 FM	SY 506 M	YET 206
450, 500	35	PASE 35 N	GG ASE 07 N	GRAE 35 NPPB	SY 35 FM	SY 507 M	YET 207
560, 630	40	PASE 40 N	GG ASE/AK 08 N	GRAE 40 NPPB	SY 40 FM	SY 508 M	YET 208
710, 800	50	PASE 50 N	GG ASE 10 N	GRAE 50 NPPB	SY 50 FM	SY 510 M	YET 210
900, 1000	60	PASE 60 N	GG ASE 12 N	GRAE 60 NPPB	--	--	--
1120	70	RASE 70	GG ASE 14	GE 70 KRRB	--	--	--

		SKF				
Fan size	Bore (mm)	Splitted bearing block	Bearing	Locking ring	Bush	Sealing ring
1250	70	SNL 516-613	* 22216 EK	FRB 12,5/140	H 316	TSN 516 L

* Roller bearing

TZAF FF T2L, NTHZ T2L, TZAF T2L

Fan size	Bore (mm)	INA Unit	INA Rubber ring	INA Bearing	SKF Unit	SKF Rubber ring	SKF Bearing
400	35	RABR-B 35/80	RABR 72/80	RAE 35 NPPB	CYS 35 FM	RIS 207 A	YET 207
450, 500	40	RABR-B 40/85	RABR 80/85	RAE 40 NPPB	CYS 40 FM	RIS 208 A	YET 208
Fan size	Bore	Unit	Unsplitted support	Bearing	Unit	Unsplitted support	Bearing
560, 630	50	RSAO 50	GG SAO 10	GNE 50 KRRB	--	--	--
710, 800, 900, 1000	60	RSAO 60	GG SAO 12	GNE 60 KRRB	--	--	--

TZAF FF T2, NTHZ T2, TZAF T2

Fan size	Bore (mm)	INA Unit	INA Unsplitted support	INA Bearing	SKF Unit	SKF Unsplitted support	SKF Bearing
315	30	PASE 30 N	GG ASE 06 N	GRAE 30 NPPB	SY 30 FM	SY 506 M	YET 206
355, 400	35	PASE 35 N	GG ASE 07 N	GRAE 35 NPPB	SY 35 FM	SY 507 M	YET 207
450, 500	40	PASE 40 N	GG ASE/AK 08 N	GRAE 40 NPPB	SY 40 FM	SY 508 M	YET 208
Fan size	Bore	Unit	Unsplitted support	Bearing	Unit	Splitted bearing block	Bearing
560, 630	50				SNL 611 TG	SNL 513-611	1311 EKTN9

		SKF				
Fan size	Bore (mm)	Splitted bearing block	Bearing	Locking ring	Bush	Sealing ring
710, 800, 900, 1000	60	SNL 513-611	* 22213 EK	FRB 10/120	H 313	TSN 513 L
1120, 1250	75	SNL 517	* 22217 EK	FRB 12,5/150	H 317	TSN 517 L

* Roller bearing

Bearings type Table - Plug fan series NPE, PEAF

NPE B, PEAF B ARRANGEMENT 11

		INA			SKF		
Fan size	*Bore (mm)*	*Unit*	*Rubber ring*	*Bearing*	*Unit*	*Rubber ring*	*Bearing*
315	25	RABR-B 25/62	RABR 52/62	RAE 25 NPPB	CYS 25 FM	RIS 205	YET 205
355, 400	30	RABR-B 30/72	RABR 62/72	RAE 30 NPPB	CYS 30 FM	RIS 206 A	YET 206
450, 500	35	RABR-B 35/80	RABR 72/80	RAE 35 NPPB	CYS 35 FM	RIS 207 A	YET 207
560, 630	40	RABR-B 40/85	RABR 80/85	RAE 40 NPPB	CYS 40 FM	RIS 208 A	YET 208
710	50	RABR-B 50/100	RABR 90/100	RAE 50 NPPB	CYS 50 FM	RIS 210 A	YET 210

NPE T1, PEAF T1 ARRANGEMENT 11

		INA			SKF		
Fan size	*Bore (mm)*	*Unit*	*Unsplitted support*	*Bearing*	*Unit*	*Unsplitted support*	*Bearing*
315	25	PASE 25	GG ASE 05 N	GRAE 25 NPPB	SY 25 FM	SY 505 M	YET 205
355, 400	30	PASE 30	GG ASE 06 N	GRAE 30 NPPB	SY 30 FM	SY 506 M	YET 206
450, 500	35	PASE 35	GG ASE 07 N	GRAE 35 NPPB	SY 35 FM	SY 507 M	YET 207
560, 630	40	PASE 40	GG ASE/AK 08 N	GRAE 40 NPPB	SY 40 FM	SY 508 M	YET 208
710, 800	50	PASE 50	GG ASE 10 N	GRAE 50 NPPB	SY 50 FM	SY 510 M	YET 210
900, 1000	60	PASE 60	GG ASE 12 N	GRAE 60 NPPB	--	--	--

PEAF T2 ARRANGEMENT 11

INLET SIDE		INA			SKF		
Fan size	*Bore (mm)*	*Unit*	*Unsplitted support*	*Bearing*	*Unit*	*Unsplitted support*	*Bearing*
315	25	PASE 25	GG ASE 05 N	GRAE 25 NPPB	SY 25 FM	SY 505 M	YET 205
355, 400	30	PASE 30	GG ASE 06 N	GRAE 30 NPPB	SY 30 FM	SY 506 M	YET 206
450, 500	35	PASE 35	GG ASE 07 N	GRAE 35 NPPB	SY 35 FM	SY 507 M	YET 207
560, 630	40	PASE 40	GG ASE/AK 08 N	GRAE 40 NPPB	SY 40 FM	SY 508 M	YET 208
710, 800	50	PASE 50	GG ASE 10 N	GRAE 50 NPPB	SY 50 FM	SY 510 M	YET 210

TRANSMISSION SIDE		SKF				
Fan size	*Bore (mm)*	*Splitted bearing block*	*Bearing*	*Locking ring*	*Bush*	*Sealing ring*
315	25	SNL 506-605	2206 EKTN9	FRB 6/62	H 306	TSN 506 L
355, 400	30	SNL 507-606	2207 EK	FRB 5.5/72	H 307	TSN 507 L
450, 500	35	SNL 508-607	* 22208 EK	FRB 8/80	H 308	TSN 508 L
560, 630	40	SNL 509	* 22209CCK	FRB 3.5/85	H 309	TSN 509 L
710, 800	50	SNL 511-609	* 22211 EK	FBR 9.5/100	H 311	TSN 511 L

* Roller bearing

NPE T2, PEAF T2 ARRANGEMENT 11

INLET SIDE		INA		
	Bore (mm)	*Unit*	*Unsplitted support*	*Bearing*
900, 1000	60	PASE 60	GG ASE 12 N	GRAE 60 NPPB

TRANSMISSION SIDE		SKF				
Fan size	*Bore (mm)*	*Splitted bearing block*	*Bearing*	*Locking ring*	*Bush*	*Sealing ring*
900, 1000	60	SNL 513-611	* 22213 EK	FRB 10/120	H 313	TSN 513 A

* Roller bearing

HOW TO ESTABLISH THE GREASE QUANTITY FOR RE-LUBRICATION AND INITIAL FILLING

1) identify the fan, TYPE and SIZE
2) in table 2 find the technical bearing specifications:
   - bore
   - unsplitted or splitted type
     if splitted, then check if it is of ball or roller type
3) with fan and bearing data, enter tables from 3 to 7, where Ød corresponds to bore (internal bearing bore equal to shaft diameter where the bearing is set) to find the grease quantity for re-lubrication and 1st filling