



VNKP series motor are small volume, economical type , which is designed with shaft distribution flow, which adapt the Gerotor gear set design and provide compact volume, high power and low weight.

Characteristic features:

- Advanced manufacturing devices for the Gerotor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
- Special design in the driver-linker and prolong operating life
- Special design for distribution system can meet the requirement of low noise of unit.
- Compact volume and easy installation.
- HPS Shaft seal can bear high pressure (150bar) of motor of which can be used in parallel or in series.
- Advanced construction design, high power and low weight.
- The output shaft runs in **needle bearing** capable of absorbing static and dynamic axial and radial loads.
- Supporting +300 hours of salt spray.

Main Specification

Technical data for VNKP with 25 and 1 in and 1 in splined and 28.56 tapered shaft												
Type		VNKP VNKPH VNKPW 36	VNKP VNKPH VNK- PW 50	VNKP VNKPH VNKPW 80	VNKP VNKPH VNKPW 100	VNKP VNKPH VNKPW 125	VNKP VNKPH VNKPW 160	VNKP VNKPH VNKPW 200	VNKP VNKPH VNKPW 250	VNKP VNKPH VNKPW 315	VNKP VNKPH VNKPW 400	VNKP VNKPH VNKPW 500
Geometric displacement (cm ³ /rev.)		36	51,7	77,7	96,2	120,2	157,2	194,5	240,3	314,5	389,5	486,5
Max. speed (rpm)	cont.	1500	1150	770	615	490	383	310	250	192	155	120
	int.	1650	1450	960	770	615	475	385	310	240	190	150
Max. torque (N•m)	cont.	55	100	146	182	236	302	360	380	375	360	385
	int.	76	128	186	227	290	370	440	460	555	525	560
	peak	96	148	218	264	360	434	540	550	650	680	680
Max. output (kW)	cont.	8,0	10,0	10,0	11,0	10,0	10,0	10,0	8,5	7,0	6,0	5,0
	int.	11,5	12,0	12,0	13,0	12,0	12,0	12,0	10,5	8,5	7,0	6,0
Max. pressure drop (MPa)	cont.	12,5	14	14	14	14	14	14	11	9	7	6
	int.	16,5	17,5	17,5	17,5	17,5	17,5	17,5	14	14	10,5	9
	peak	22,5	22,5	22,5	22,5	22,5	22,5	22,5	18	16	14	12
Max. flow (L/min)	cont.	55	60	60	60	60	60	60	60	60	60	60
	int.	60	75	75	75	75	75	75	75	75	75	75
Weight (kg)		5,6	5,6	5,7	5,9	6,0	6,2	6,4	6,7	6,9	7,4	8

- Continuous pressure:Max. value of operating motor continuously.
- Intermittent pressure:Max. value of operating motor in 6 seconds per minute.
- Peak pressure:Max. value of operating motor in 0.6 second per minute.



Main Specification

Technical data for VNKP with 31.75 and 32 shaft

Type		VNKP VNKPH 36	VNKP VNKPH 50	VNKP VNKPH 80	VNKP VNKPH 100	VNKP VNKPH 125	VNKP VNKPH 160	VNKP VNKPH 200	VNKP VNKPH 250	VNKP VNKPH 315	VNKP VNKPH 400	VNKP VNKPH 500
Geometric displacement (cm ³ /rev.)		36	51,7	77,7	96,2	120,2	157,2	194,5	240,3	314,5	389,5	486,5
Max. speed (rpm)	cont.	1500	1150	770	615	490	383	310	250	192	155	120
	int.	1650	1450	960	770	615	475	385	310	240	190	150
Max. torque (N•m)	cont.	55	100	146	182	236	302	360	460	475	490	430
	int.	76	128	186	227	290	370	440	570	555	580	560
	peak	96	148	218	264	360	434	540	670	840	840	780
Max. output (kW)	cont.	80	10,0	10,0	11,0	10,0	10,0	10,0	8,5	7,0	6,0	6,0
	int.	11,5	12,0	12,0	13,0	12,0	12,0	12,0	10,5	8,5	7,0	7,0
Max. pressure drop (MPa)	cont.	12,5	14	14	14	14	14	14	14	12	9,5	7
	int.	16,5	17,5	17,5	17,5	17,5	17,5	17,5	17,5	14	11,5	9
	peak	22,5	22,5	22,5	22,5	22,5	22,5	22,5	22,5	22,5	18	13
Max. flow (L/min)	cont.	55	60	60	60	60	60	60	60	60	60	60
	int.	60	75	75	75	75	75	75	75	75	75	75
Weight (kg)		5,6	5,6	5,7	5,9	6,0	6,2	6,4	6,7	6,9	7,4	8,0

- Continuous pressure:Max. value of operating motor continuously.
- Intermittent pressure:Max. value of operating motor in 6 seconds per minute.
- Peak pressure:Max. value of operating motor in 0.6 second per minute.



VNKP 36 [36cm³/rev.]

Pressure (MPa)

	3	6	7	8	10	11	12.5	16.5
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Flow (L/min)	8	13	25	29	34	43	48	
	8	214	205	200	194	187	179	
15	15	13	25	29	34	43	48	56
	15	406	398	391	383	374	366	353
20	20	13	24	29	34	43	48	56
	20	541	534	528	521	513	500	486
30	30	12	24	29	34	43	48	56
	30	814	804	792	778	763	749	726
35	35	12	23	28	34	43	48	56
	35	952	944	930	913	897	879	858
40	40	12	23	28	32	41	47	55
	40	1090	1078	1064	1048	1024	998	977
45	45	11	22	26	32	41	46	54
	45	1232	1218	1196	1175	1149	1118	1080
55	55	6	15	22	28	37	44	52
	55	1505	1494	1480	1466	1438	1406	1367
Max.int.	60	3	11	18	20	30	38	49
	60	1650	1640	1626	1603	1571	1536	1502

VNKP 50 [51.7cm³/rev.]

Pressure (MPa)

	3	6	8	10	12.5	14	16	17.5
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Flow (L/min)	8	20	41	56	69	89	95	
	8	151	134	115	90	56	42	
15	15	19	40	56	71	91	100	112
	15	286	274	261	243	204	182	139
20	20	18	39	55	71	92	101	117
	20	382	373	361	348	318	309	287
30	30	17	38	55	71	91	98	116
	30	573	568	558	535	503	488	462
35	35	17	38	54	69	89	98	117
	35	670	661	652	640	606	589	562
45	45	14	36	53	67	88	98	114
	45	863	858	849	837	807	788	764
55	55	12	33	50	65	85	96	111
	55	1055	1042	1028	1010	979	963	947
Max.int.	60	10	32	47	64	83	94	108
	60	1150	1143	1126	1111	1079	1065	1043
Max.int.	75	6	25	42	56	76	87	101
	75	1440	1430	1416	1395	1367	1351	1335

VNKP 80 [77.7cm³/rev.]

Pressure (MPa)

	3	6	8	10	12.5	14	16	17.5
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Flow (L/min)	8	32	62	85	104	129	144	
	8	97	87	74	55	33	22	
15	15	32	63	84	107	126	144	165
	15	186	181	170	154	132	118	86
20	20	31	63	84	107	132	146	168
	20	251	243	236	225	207	196	178
30	30	31	62	83	106	131	146	168
	30	381	379	368	355	332	316	285
35	35	30	59	81	102	130	144	167
	35	443	435	426	415	397	383	361
45	45	25	58	79	100	126	142	165
	45	570	564	554	543	526	509	483
55	55	23	57	78	97	124	140	161
	55	696	685	672	656	643	630	602
Max.int.	60	20	53	75	94	120	137	160
	60	761	753	744	736	720	706	681
Max.int.	75	14	44	67	87	112	151	169
	75	948	940	931	920	906	890	871

VNKP 100 [96.2cm³/rev.]

Pressure (MPa)

	3	6	8	10	12.5	14	16	17.5
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Flow (L/min)	8	40	77	105	130	161	180	
	8	81	75	69	57	36	24	
15	15	39	77	106	130	160	180	208
	15	152	149	145	140	122	103	81
20	20	36	74	104	128	161	179	205
	20	204	200	195	190	177	166	148
30	30	33	72	103	125	160	177	203
	30	308	304	298	290	280	268	255
35	35	30	70	98	122	159	176	202
	35	360	352	343	331	320	306	294
45	45	29	67	95	118	155	174	200
	45	462	458	451	443	433	419	402
55	55	25	64	93	116	152	170	198
	55	566	558	549	540	529	515	498
Max.int.	60	22	60	91	114	149	167	194
	60	618	611	601	589	580	570	558
Max.int.	75	15	54	83	106	141	160	186
	75	771	763	755	744	735	724	708

Torque (N·m) 87
Speed (rpm) 920

cont.

int.



VNKP 125 [120.2cm³/rev.]

		Pressure (MPa)						Max. cont.		Max. int.	
		3	6	8	10	12.5	14	16	17.5		
Flow (L/min)	8	51	98	137	168	208	236				
	15	63	60	55	47	28	15				
	20	51	101	138	168	209	236	267			
	30	121	116	110	102	89	73	48			
	45	48	98	135	167	211	237	269	290		
	60	162	158	153	148	137	128	109	94		
	75	46	96	132	164	209	232	264	287		
	90	243	239	234	227	216	202	189	176		
	105	42	92	130	160	206	229	260	284		
	120	284	279	274	269	259	247	231	222		
Max. cont.	135	37	89	125	157	201	224	261	281		
	150	370	362	355	348	340	327	310	296		
	165	33	84	122	152	196	218	252	275		
	180	452	446	438	431	420	412	402	384		
	195	29	78	117	146	191	215	248	272		
	210	490	482	475	468	459	448	439	427		
	225	18	66	107	133	179	202	236	260		
	240	615	606	598	586	575	563	549	528		
	255										
	270										
Max. int.											

VNKP 160 [157.2cm³/rev.]

		Pressure (MPa)						Max. cont.		Max. int.	
		3	6	8	10	12.5	14	16	17.5		
Flow (L/min)	8	62	120	170	212	263	290				
	15	49	48	46	42	26	14				
	20	60	122	172	215	264	294	340			
	30	93	91	88	85	76	68	48			
	45	57	120	170	214	262	290	340	371		
	60	125	123	120	117	110	106	92	81		
	75	53	115	164	206	259	288	335	368		
	90	187	184	181	178	175	168	155	139		
	105	49	110	160	202	255	284	328	362		
	120	220	216	213	209	205	202	192	176		
Max. cont.	135	44	102	154	196	248	278	321	358		
	150	283	280	276	272	267	260	250	238		
	165	40	99	148	191	243	272	316	351		
	180	345	342	340	336	331	328	320	303		
	195	33	94	144	188	236	267	308	345		
	210	377	374	371	367	363	359	353	342		
	225	19	80	124	170	216	252	296	325		
	240	473	469	465	459	453	447	440	424		
	255										
	270										
Max. int.											

VNKP 200 [194.5cm³/rev.]

		Pressure (MPa)						Max. cont.		Max. int.	
		3	6	8	10	12.5	14	16	17.5		
Flow (L/min)	8	79	164	207	250	320	360				
	15	40	39	38	35	28	22				
	20	78	162	205	250	322	361	410			
	30	76	75	74	71	66	61	51			
	45	76	158	203	247	320	358	403	422		
	60	100	98	97	95	92	89	73	57		
	75	70	153	200	245	315	350	398	417		
	90	151	149	147	145	142	139	131	120		
	105	66	149	194	232	297	343	386	415		
	120	177	175	173	171	168	166	160	149		
Max. cont.	135	63	146	190	230	294	340	383	410		
	150	228	226	224	221	218	215	210	198		
	165	54	140	181	224	286	334	371	400		
	180	280	278	276	274	271	269	263	250		
	195	38	127	164	212	270	325	356	395		
	210	304	302	300	297	294	291	286	272		
	225	22	96	145	192	235	293	321	367		
	240	382	378	374	371	368	364	360	350		
	255										
	270										
Max. int.											

VNKP 250 [240.3cm³/rev.]

		Pressure (MPa)						Max. cont.		Max. int.	
		3	6	8	10	12.5	14	16	17.5		
Flow (L/min)	8	96	190	268	326	403					
	15	30	28	24	21	11					
	20	98	194	270	327	405	450	510			
	30	60	58	54	50	40	30	12			
	45	92	188	267	325	405	456	514	565		
	60	82	80	77	76	69	64	52	38		
	75	85	180	259	320	400	448	513	561		
	90	123	120	118	114	106	98	87	76		
	105	77	176	252	311	389	436	504	557		
	120	143	141	139	135	128	122	112	101		
Max. cont.	135	70	168	243	300	377	428	495	543		
	150	185	182	178	174	168	161	152	139		
	165	63	159	237	290	369	417	483	531		
	180	226	223	218	213	209	202	193	185		
	195	60	150	228	280	358	407	473	520		
	210	248	246	243	239	233	226	215	207		
	225	34	128	202	264	342	387	448	488		
	240	309	306	302	297	292	286	278	264		
	255										
	270										
Max. int.											

Torque (N·m) 128
Speed (rpm) 306

cont.

int.



HYDRAULIC MOTORS

PERFORMANCE DATA

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VNKP 315 [314.5cm³/rev.]

		Pressure (MPa)						Max. cont.	Max. int.
		3	5	7	9	10	12.5	14	
Flow (L/min)	8	123	215	292	368	405			
		25	23	21	17	11			
	15	118	211	287	367	404	495	568	
		47	46	44	40	28	21	10	
	20	110	205	278	360	395	494	566	
		62	61	60	57	46	40	36	
	30	101	196	271	349	388	490	565	
		94	93	91	88	76	68	65	
	35	96	188	264	341	382	478	557	
		109	107	106	104	96	89	84	
Max. cont.	45	89	180	254	337	372	468	553	
		141	140	138	135	127	120	115	
	55	76	166	239	325	362	457	548	
		173	172	170	167	160	152	143	
	60	65	154	227	308	348	443	529	
		188	186	184	182	178	172	163	
	Max. int.	75	40	120	201	279	323	418	497
			236	234	232	228	226	223	214

VNKP 400 [389.5cm³/rev.]

		Pressure (MPa)						Max. cont.	Max. int.
		3	4.5	5.5	6.5	8	10	12.5	
Flow (L/min)	8	166	232	287	340	418			
		20	19	18	16	12			
	15	165	228	277	337	417	496	612	
		38	36	35	33	31	27	21	
	20	162	223	273	331	413	495	608	
		50	49	49	48	45	41	35	
	30	154	216	266	318	405	486	600	
		76	75	74	73	71	67	60	
	35	146	210	256	312	395	480	588	
		88	87	87	86	83	80	75	
Max. cont.	45	132	197	243	300	383	464	576	
		114	113	112	110	108	106	99	
	55	117	184	227	283	363	450	552	
		139	137	136	135	135	132	123	
	60	102	163	215	272	347	436	532	
		153	152	150	148	146	143	138	
	Max. int.	75	53	128	182	234	318	391	484
			191	189	187	185	183	180	176

Torque (N·m) 234
Speed (rpm) 185

VNKP500 [486.5cm³/rev.]

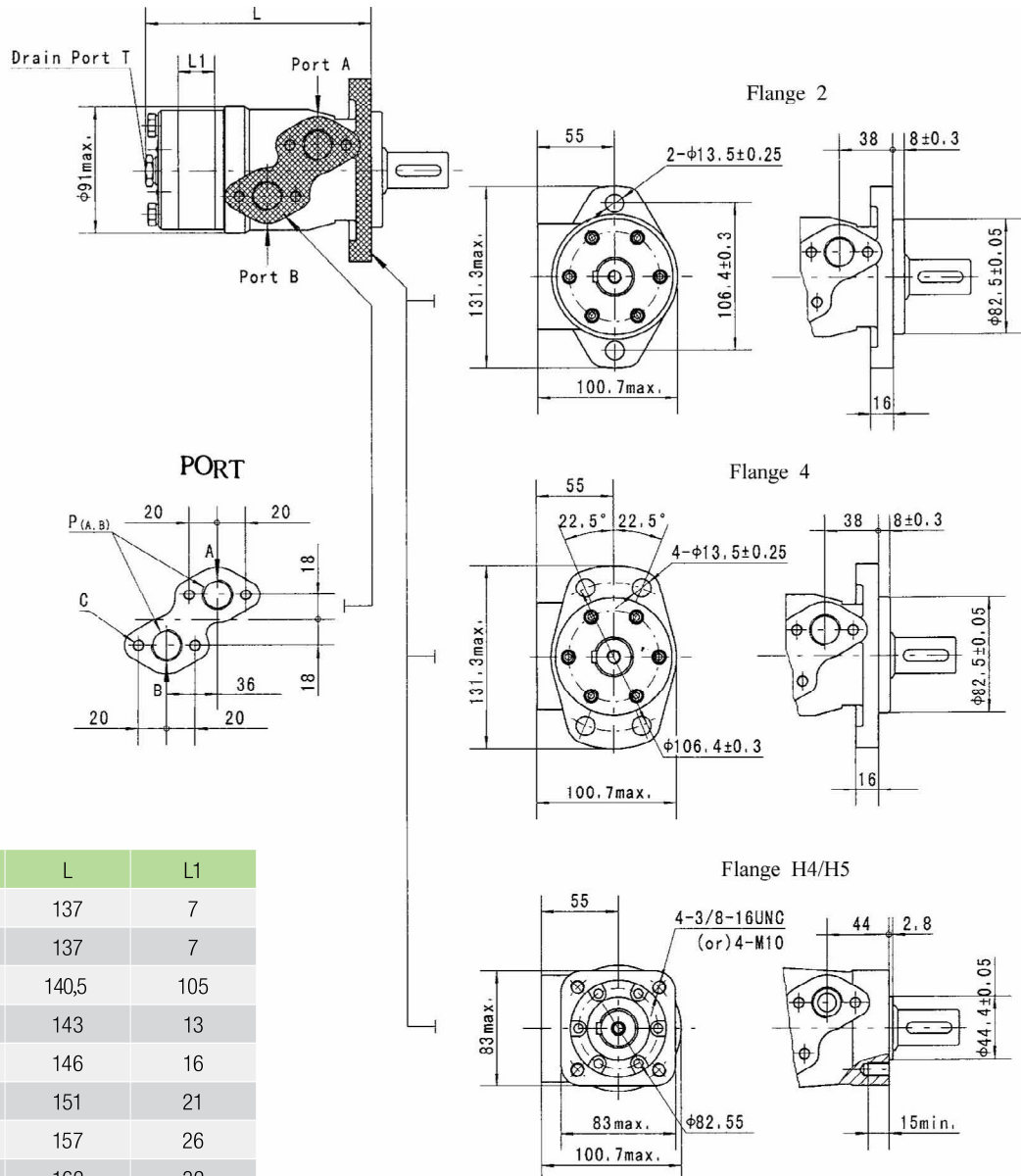
		Pressure (MPa)						Max. cont.	Max. int.
		1.5	3	4.5	6	7	8	9	
Flow (L/min)	4	96	194	285					
		7	6	4					
	8	98	201	304	391	443	512	574	
		15	15	14	14	12	9	7	
	15	96	192	284	380	421	496	550	
		30	30	29	28	26	23	22	
	20	96	191	280	372	418	493	546	
		40	40	40	39	37	33	31	
	30	91	185	272	360	412	486	541	
		61	60	60	58	56	53	50	
Max. cont.	40	86	172	261	343	408	480	538	
		81	80	80	79	76	73	70	
	50	78	160	241	332	391	466	528	
		102	101	100	98	96	93	90	
	60	66	134	213	305	371	438	496	
		122	121	120	119	117	114	110	
	Max. int.	70	52	111	189	292	344	418	475
			143	142	141	139	137	135	131
			35	83	154	241	312	389	448
	75		153	152	151	150	149	147	144

Torque (N·m) 389
Speed (rpm) 147

cont.
int.



MOUNTING

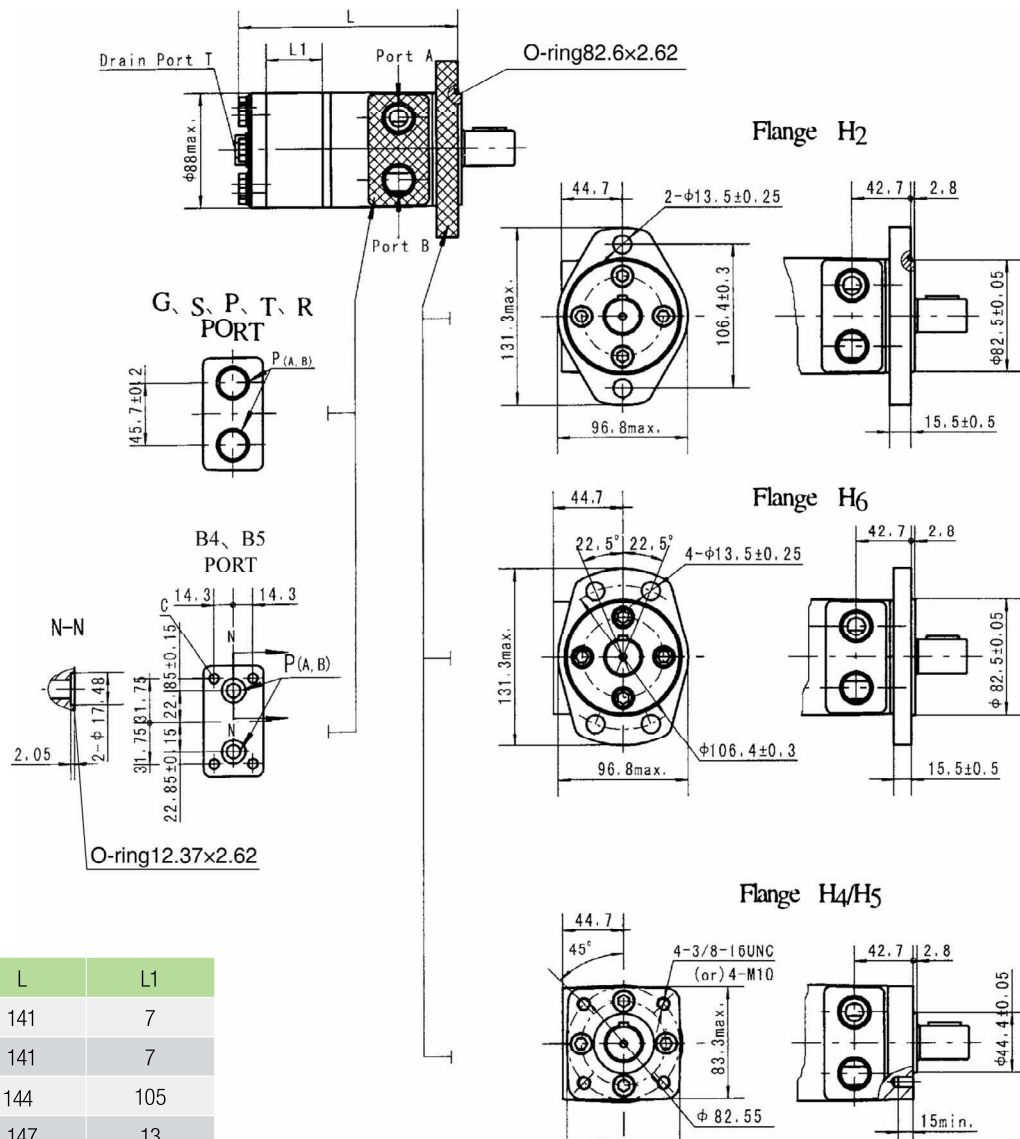


Model	L	L1
VNKP36	137	7
VNKP50	137	7
VNKP80	140,5	105
VNKP100	143	13
VNKP125	146	16
VNKP160	151	21
VNKP200	157	26
VNKP250	162	32
VNKP315	172	42
VNKP400	182	52
VNKP500	195	65

Code	D (depth)	M (depth)	S (depth)	P (depth)	R (depth)
P(A,B)	G1/2 (15)	M22 x 1.5 (15)	7/8-14 O-ring (17)	1/2-14NPTF (15)	PT(RC)1/2 (15)
C	4-M8 (13)	4-M8 (13)	4-5/16-18UNC(13)	4-5/16-18UNC(13)	4-M8 (13)
T	G1/4 (12)	M14 x 1.5 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)

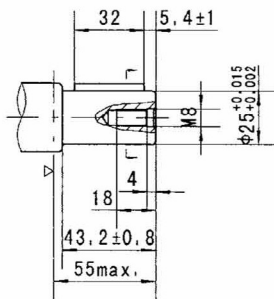


VNKP SHAFTEXTENSIONS DIMENSIONS DATA

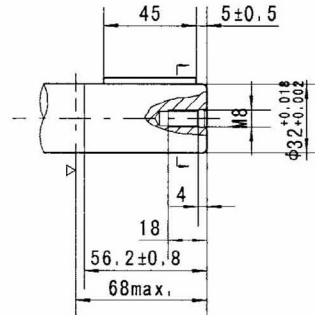
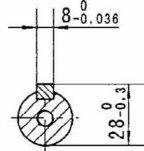


Model	L	L1
VNKP36	141	7
VNKP50	141	7
VNKP80	144	105
VNKP100	147	13
VNKP125	150	16
VNKP160	155	21
VNKP200	160	26
VNKP250	166	32
VNKP315	176	42
VNKP400	186	52
VNKP500	199	65

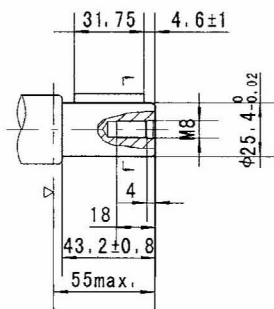
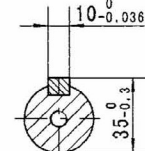
Code Mounting	G (depth)	S (depth)	P (depth)	T (depth)	R (depth)	B4 (depth)	B5 (depth)
P(A,B)	G1/2 (15)	7/8-14 O-ring (17)	1/2-14NPTF (15)	3/4-16 O-ring (15)	PT(RC)1/2 (15)	ø10	ø10
T	G1/4 (12)	7/16-20UNF (12)	7/16-20UNF (12)	7/16-20UNF(12)	PT(RC)1/4 (9.7)	7/16-20UNF(12)	G1/4(12)
C	—	—	—	—	—	4-5/16-18UNC(13)	4-M8(13)



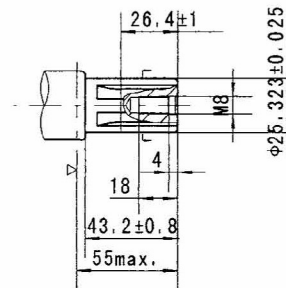
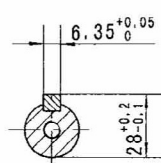
Shaft A: Cylindrical shaft ø25
Parallel key 8x7x32



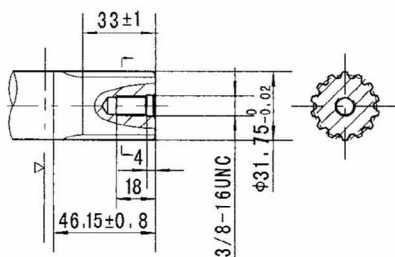
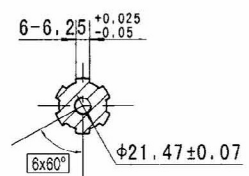
Shaft B: Cylindrical shaft ø32
Parallel key 10x8x45



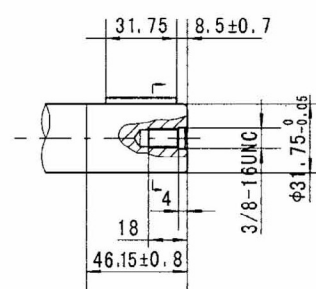
Shaft C: Cylindrical shaft ø25.4
Parallel key 6.35x6.35x31.75



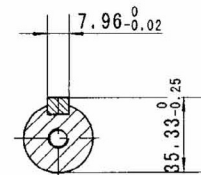
Shaft E: Splined SAE 6B



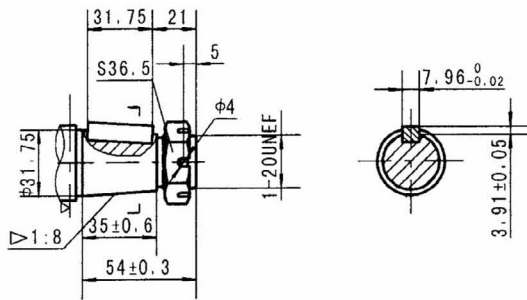
Shaft F: Splined
14-DP12/24



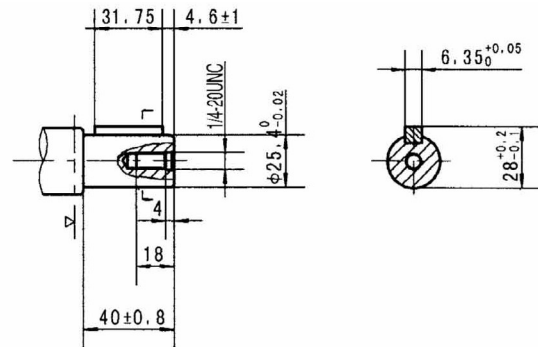
Shaft G: Cylindrical shaft ø31.75
Parallel key 7.96x7.96x31.75



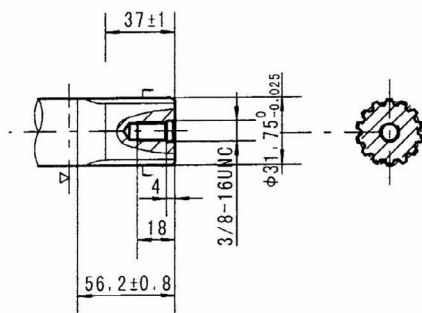
Motor Mounting Surface →



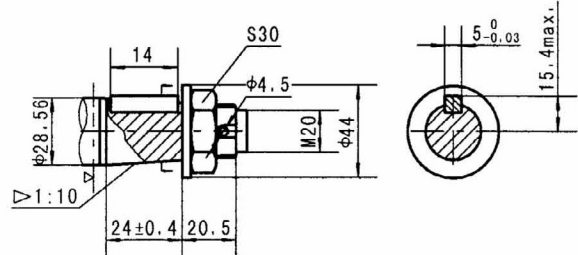
Shaft T3: Cone-shaft $\phi 31.75$
Parallel key 7.96x7.96x31.75
Tightening torque: 200±10Nm



Shaft R: Cylindrical shaft $\phi 25.4$
Parallel key 6.35x6.35x31.75

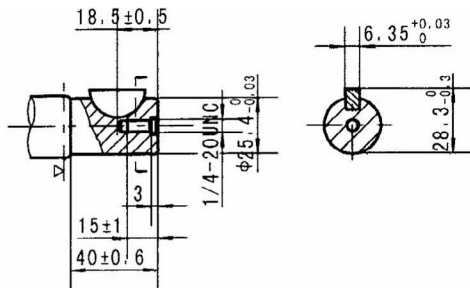


Shaft FD: Splined
14-DP12/24

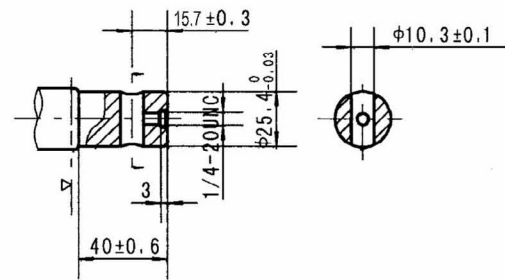


Shaft T: Cone-shaft $\phi 28.56$
Parallel key B5x5x14
Tightening torque: 100±10Nm

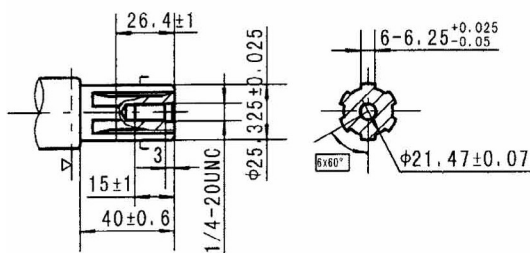
Motor Mounting Surface →



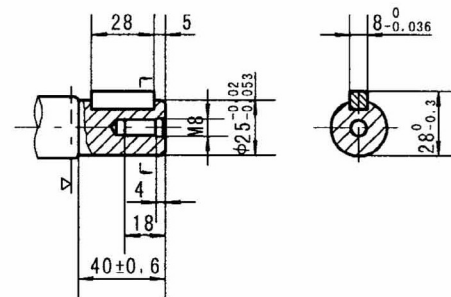
Shaft K: Cylindrical shaft $\phi 25.4$
Woodruff key $\phi 25.4 \times 6.35$



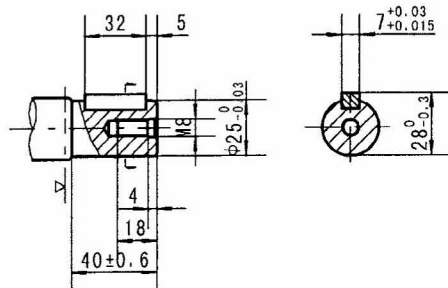
Shaft H: Cylindrical shaft $\phi 25.4$
Pin hole $\phi 10.3$



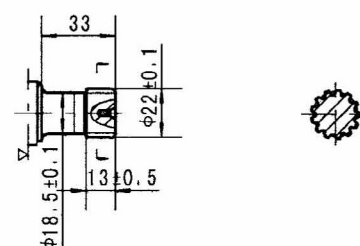
Shaft S: Splined SAE 6B



Shaft P: Cylindrical shaft $\phi 25$
Parallel key $8 \times 7 \times 28$

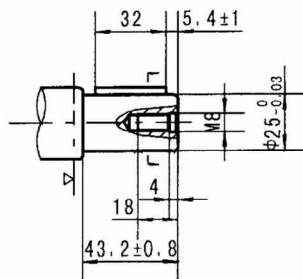


Shaft J: Cylindrical shaft $\phi 25$
Parallel key $7 \times 7 \times 32$

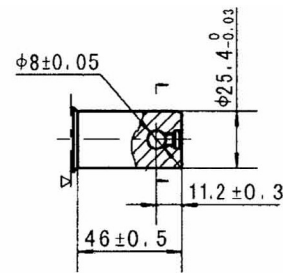


Shaft I: Splined 13-DP16/32

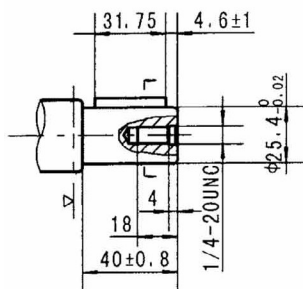
Motor Mounting Surface →



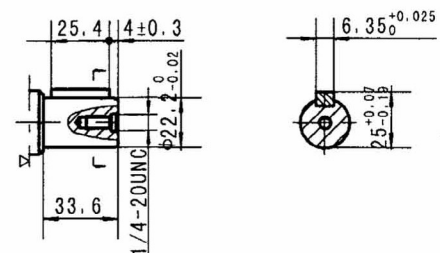
Shaft A: Cylindrical shaft $\varnothing 25$
Parallel key 8x7x32



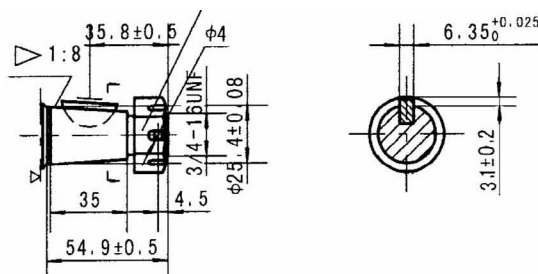
Shaft H1: Cylindrical shaft $\varnothing 25.4$
Pin hole $\varnothing 8$



Shaft R: Cylindrical shaft $\varnothing 25.4$
Parallel key 6.35x6.35x31.75



Shaft D: Cylindrical shaft $\varnothing 22.22$
Parallel key 6.35x6.35x25.4



Shaft T2: Cone-shaft $\varnothing 25.4$
Parallel key $\varnothing 25.4 \times 6.35$
Tightening torque: $200 \pm 10 \text{ Nm}$

Motor Mounting Surface →

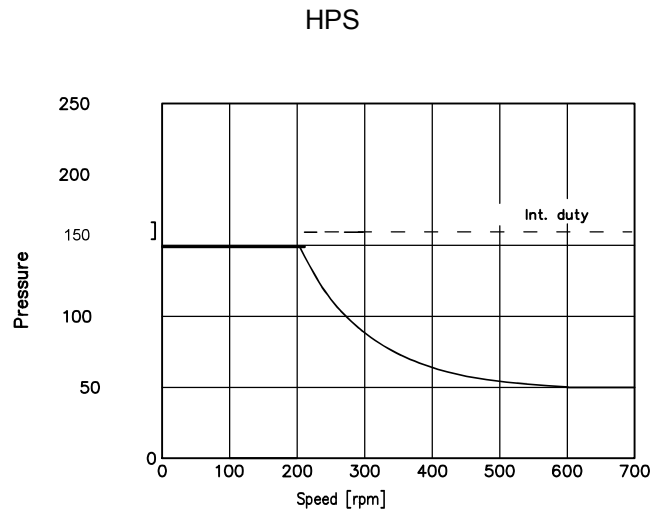
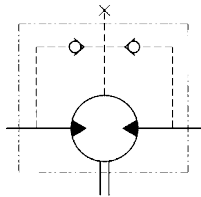


HYDRAULIC MOTORS

VNKP VNKPH SERIES HYDRAULIC MOTOR DATA

23

Permissible shaft seal pressure



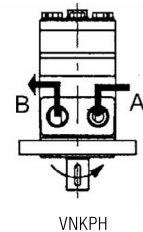
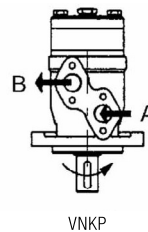
Vincke are made as standard with HPS seal version.

In applications without drain line, output shaft seal exceeds a bit of the pressure in the return line. When applications use the drain line, the pressure of output shaft seal equals the pressure in drain line.

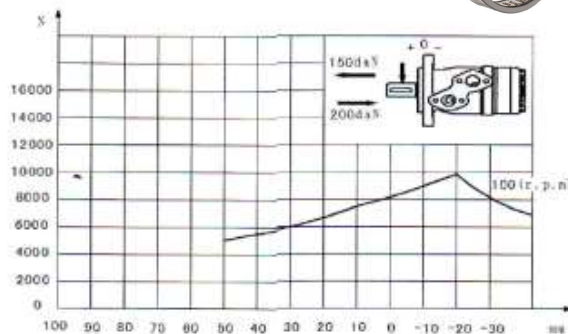
In applications without drain line, output shaft seal exceeds a bit of the pressure in the return line. When applications use the drain line, the pressure of output shaft seal equals the pressure in drain line.

Direction of shaft rotation: Standard

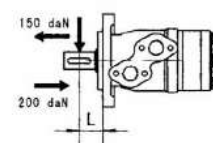
When facing shaft end of motor, shaft to rotate:
Clockwise when port "A" is pressurized.
Counter-clockwise port "B" is pressurized.



Status of the shaft's radial force with needle bearing



$$F_r = \frac{800 \cdot 25000}{n \cdot 95 + L} \text{ daN}$$



F_r = Radial Force (daN)
 L = Distance (mm)
 n = Speed (rpm)
Rhomb-flange $L=30\text{mm}$
Square-flange $L=24\text{mm}$

The output Shaft on VNKP-N series is supplied with needle bearing and the recessed mounting allow a higher permissible radial load in comparison with VNK series motors. The curves apply to a B10 needle roller bearing life of 2000 hours.

Relationship between output shaft bearing load and multiplication coefficient

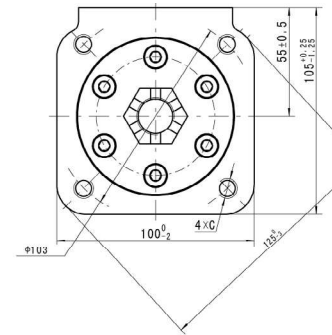
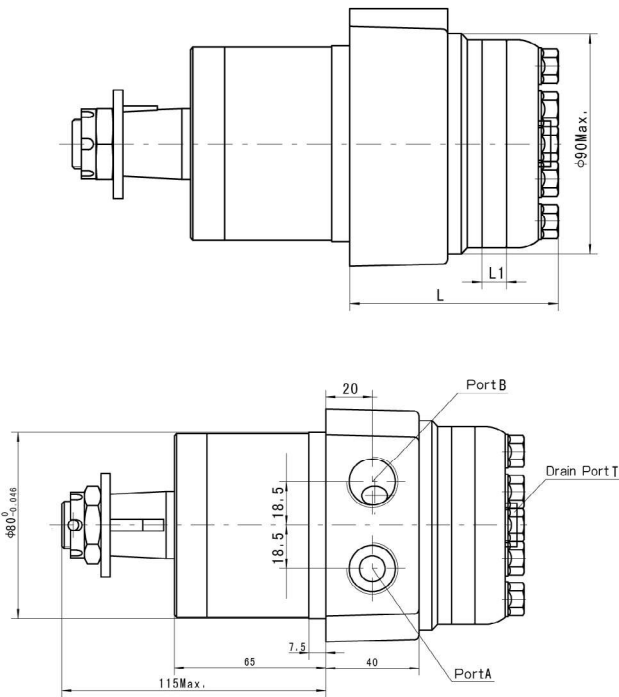
Rotating speed	50	100	200	300	400	500	600	700	800
coefficient	1.23	1	0.81	0.72	0.66	0.62	0.58	0.56	0.54



VNKP	1	2	3	4	5	6	7	8	
Pos.1	2	3	4	5	6	7	8		
Code	Disp.	Flange		Output Shaft	Ports and Drain Port		Rotation Direction	Paint	Unusually Function
VNKP	36	2	2-Ø13.5 Rhomb-flange , pilot Ø82.5x8 4-Ø13.5 Rhomb-flange , pilot Ø82.5x8 4-3/8-16 Square-flange , pilot Ø44.4x2.8 4-M10 Square-flange , pilot Ø44.4x2.8	A	Shaft Ø25,parallel key 8x7x32	D	G1/2 Manifold Mount 4xM8, G1/4 M22x1.5 Manifold Mount 4xM8, M14x1.5 7/8-14 O-ring manifold 4x5/16- 18UNC, 7/16-20UNF 1/2-14 NPTF Manifold 4x5/16-18UNC, 7/16- 20UNF PT(Rc)1/2 Manifold 4xM8, PT(Rc)1/4	Omit N 0 F LS SK	Standard HPS Big radial force No case drain Free Running Low Speed Speed sensor
	50			C	Shaft Ø25.4,parallel key 6.35x6.35x31.75	M			
	80			E	Shaft Ø25.4, splined tooth SEA 6B	S			
	100			R	Short shaft Ø25.4, parallel key 6.35x6.35x31.75	P			
	125	4	B	Shaft Ø32,parallel key 10x8x45	R	Omit			
160	H4	F	Shaft Ø31.75, splined tooth 14-DP12/24 Long						
200	H5	FD	shaft Ø31.75, splined tooth14-DP12/24 Shaft						
250		G	Ø31.75, parallel key 7.96x7.96x31.75 Cone						
315		T	shaft Ø28.56,parallel key B5x5x14						
400		T3	Cone shaft Ø31.75,parallel key 7.96x7.96x25.4						
500									

VNKP	1	2	3	4	5	6	7	8
Pos.1	2	3	4	5	6	7	8	
Code	Disp.	Flange	Output Shaft	Ports and Drain Port	Rotation Direction	Paint	Unusually Function	
VNKP	36	H2	K	Shaft Ø25.4, woodruff key Ø25.4×6.35	G	00	Omit	
	50		S	Shaft Ø25.4, splined tooth SEA 6B				
	80		A	Shaft Ø25, parallel key 8×7×32				
	100		R	Shaft Ø25.4, parallel key 6.35×6.35×31.75				
	125		H	Shaft Ø25.4, pin hole Ø10.3				
	160	H6	H1	Shaft Ø25.4, pin hole Ø8	P	Omit R	No paint Blue Black Silver grey	
	200		D	Shaft Ø22.22, parallel key 6.35×6.35×25.4				
	250		I	Shaft Ø22.22, splined tooth 13-DP16/32				
	315		T2	Cone shaft Ø25.4, woodruff key Ø25.4×6.35				
	400		P	Shaft Ø25, parallel key 8×7×28				
500	H5	J	Shaft Ø25, parallel key 7×7×32	Standard Opposite	B S	Standard HPS Big radial force No case drain Free Running Low Speed Speed sensor		

Note: When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.



Code	G (depth)	S (depth)	M (depth)
Mounting			
P(A,B)	G1/2 (15)	7/8-14 O-ring (17)	M22X1,5 (15)
T	G1/4 (12)	7/16-20UNF (12)	M14x1.5 (12)
C	4xM10(20)	4x3/8-16UNC(20)	4xM10(20)

Model	L	L1
VNKPW50	81	7
VNKPW80	84,5	10,5
VNKPW100	87	13
VNKPW125	90	16
VNKPW160	95	21
VNKPW200	100	26
VNKPW250	106	32
VNKPW315	116	42
VNKPW400	126	52
VNKPW500	139	65

ORDER INFORMATION

VNKPW	1	2	3	4	5	6	7	8
Pos.1	2	3	4	5	6	7	8	
Code	VNKPW	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually function	
	50 80 100 125 160 200 250 315 400 500	Wheel- flange pilot 080x7.5 Omit	A Shaft Ø25x6, Parallel key 8x7x32 C Shaft Ø25.4, Parallel key 6.35x6.35x31.75 E Shaft Ø25.4, Splined key SAE 6B T Cone shaft Ø28.56, Parallel key B5x5x14	G G1/2 G1/4 S 7/8-14 O-ring, M 7/16-20UNF M22x1.5, M14x1.5	Omit R Standard Opposite	00 No paint B Blue S Black Silver grey	Standard HPS Big radial force No case drain Omit N O	

Note: When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.