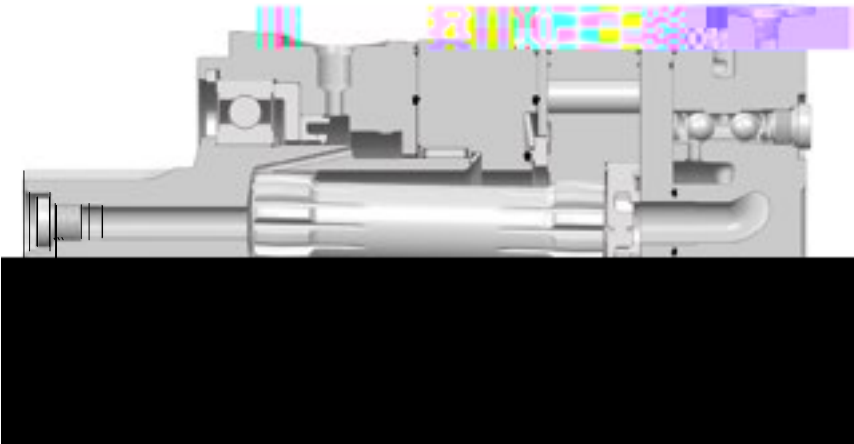




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02



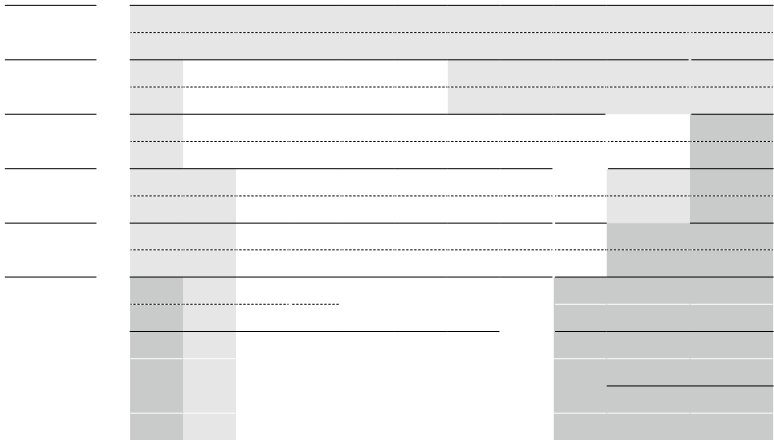
Specif cation

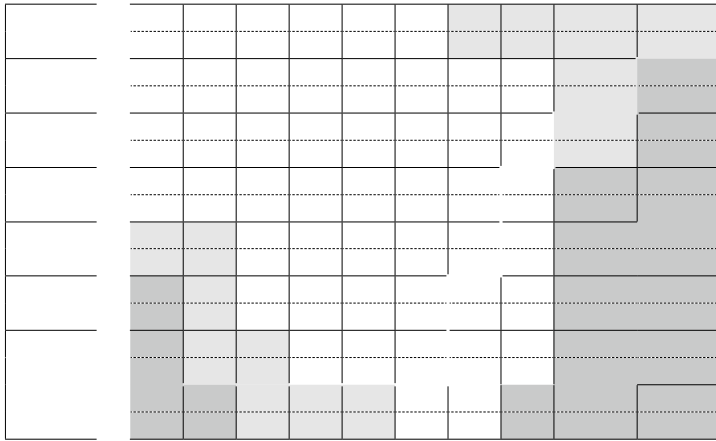
Type		HVA			
Displacement(cm ³ /rev.)		325	400	505	570
Max.speed(rpm)	Continuous	341	280	213	186
	Intermittent	394	330	240	212
Max.torque(Nm)	Continuous	1600	1600	1600	1600
	Intermittent	2000	2000	2000	2000
Max.differential pressure(bar)	Continuous	310	255	254	223
	Intermittent	345	320	305	268
Max.flow(L/min)	Continuous	114	114	114	114
	Intermittent	132	132	132	132
Weight(kg)		25.2	25.9	26.9	27.5

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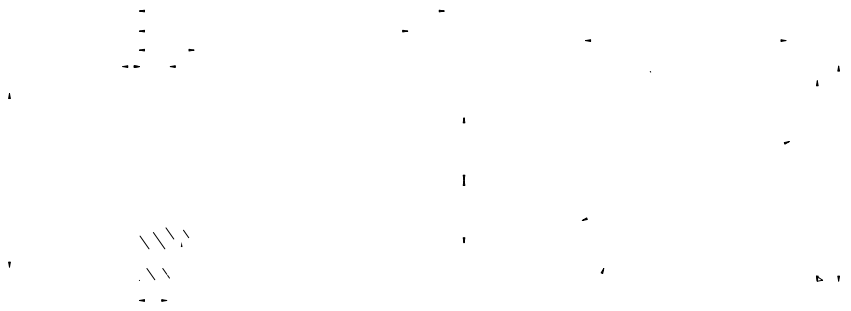
- Intermittent working condition: The working time should be less than 6 seconds per minute under the intermittent working condition.
- It is not recommended for the motor to work at simultaneous maximum torque and maximum speed.
- The filtration standard of ISO 4406 cleaning standard 20/18/15 is recommended.
- High quality anti-wear hydraulic fluids are recommended.
- When the temperature is 50° C, the minimum viscosity of the oil is recommended to be 20mm²/s.
- The recommended maximum operating temperature is 82°C .
- To assure best motor life, run motor 10-15 minutes in low speed high torque mode at approximately 50% of continuous pressure and 50% of continuous flow.

	Pressure(bar)										Max.Cont	Max.Inter	
	15	35	70	105	140	170	205	240	275	310	345		
325													
325cm ³ /rev.	Torque(N·m), Speed(rpm)												
15	58	145	301	456	606	751	911	1059	1247	1470	1498		
	45	45	44	43	42	42	41	40	38	36	34		
30	66	148	306	459	618	771	924	1063	1260	1494	1506		
	92	91	89	87	84	83	82	81	77	72	69		
45	69	156	306	460	608	764	897	1035	1177	1307	1434		
	134	130	128	126	123	123	122	120	119	119	117		
61	77	156	289	442	595	750	907	1032	1172	1342	1401		
	178	175	172	169	164	161	158	158	157	151	151		
76	74	147	282	435	585	745	903	1028	1166	1334			
	225	221	217	213	207	204	200	200	199	193			
95	74	149	279	430	575	743	876	1030	1169				
	288	283	279	276	273	265	260	258	256				
Max.Cont	114	151	278	428	578	736	901	1032	1171				
		341	336	332	329	319	313	310	309				
Max.Inter	132	147	375	425	573	730	896	1029					
		394	388	385	380	369	361	359					





02



02

SAE involute spline shaft

Allowable shaft load/bearing curve

As shown in the figure, when the axial load is 0, the radial allowable load of the output shaft is related to the distance from the flange mounting surface to the load action point.

The solid line shows the allowable radial load of the bearing. It is based on L_{10} bearing life 2000 hrs at 100 RPM with rated output torque.

Any shaft load exceeding the values quoted in the curve will involve a risk of failure.

Schematic diagram of the functional module

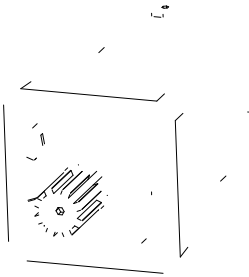
- Schematic diagram with check valve
- Schematic diagram with flushometer

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P-0108

Rotation direction: CW

When facing the motor shaft extension direction, port A is high pressure oil, the output shaft rotates CW; Otherwise, it rotates CCW.



P-0109