

Model _____

ORB - S

Series sign	Motor capacity	Flange form	Connection port form	Shaft form	Design marks	Special symbol
ORB - S	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(cm ³ /rev)	2 : 2 Bolt SAE"A" flange 4 : 4 Bolt SAE"A" flange	P : Rc1/2 F : φ12.7 O ring port A : 61/2 O ring seal	C : φ25.4□6.35 M : φ25.0□7.00 D : φ25.4□8.00 E : φ25.4□8.00 A : φ25.4□10.00 S : S A E6B spline shaft J : Involute shaft for automobile	Parallel Keys Parallel Keys Parallel Keys Parallel Keys Parallel Keys	



Motor Specifications _____

Model	S-50	S-70	S-100	S-120	S-160	S-190	S-240	S-280	S-310	S-380	S-410	
Theoretical displacement	cm ³ /rev	51.5	71.4	98.5	118.4	163.4	188.5	235.5	282.5	306.9	376.4	409.9
Maximum stream flow	L/min	990	930	730	590	440	380	300	250	230	200	180
Maximum speed	min-1	110	155	210	250	330	365	395	410	420	465	470
Rating output torque	N · m	134	183	156	300	375	433	493	483	498	540	554
Rating pressure	ΔP MPa	15.5	15.5	15.5	15.5	14.0	14.0	12.0	10.5	9.5	9.0	8.5
maximum pressure	ΔP MPa	19.0	19.0	19.0	18.5	17.0	17.0	15.5	12.5	12.0	10.5	10.0
maximum pressure	MPa							7.0				
Radial load	N							6500				
Thrust load direction	N							5000				
Outline mass	kg	6.9	7.1	7.4	7.5	8.0	8.1	8.5	8.9	9.1	9.7	10.2

1. Please use the driving by the best pressure and the best output torque within six seconds.
2. Please use clean oil equivalent to ISO VG32.
3. When the output torque exceeds 280N·m, please use the use of the spline shaft.
4. If the rotational speed 500min⁻¹ or more, please use the high-speed type.
5. Pressure less than 21Mpa, please.
6. The permission back pressure becomes 7.0Mpa. In addition, the drain plumbing is necessary when it is more than 1.8Mpa.