

HP3V-S SERIES

Contents

Features

Technical data

Size		HP3V 75S	HP3V280S	HP3V 300S
Displacement (cc/rev)		75	280	300
Speed	Rat d sp d (rpm) * ¹	2450	2000	2000
	Maximum sp d (rpm) * ²	3000	2000	2100
Pr ssur	Rat d pr ssur (bar)	350	350	370
	Maximum pr ssur (bar)	400	400	420
Maximum torque (N•m)		415	1570	1750
Case volume (L)		1.3	3.2	3.5
Suction port pr ssur (abs bar)		0.8		0.9
Drain pr ssur	Rat d pr ssur (bar)	1		
	Maximum pressure (bar)	3		
Hydraulic fluid viscosity rang (mm ² /s)		10~1000 * ³ (optimum viscosity range 16 36)		
T mp ratur rang (°C)		-30~80		
Mass (Kg)		59	160	170

- 1 Steady state suction pressure should be 0 bar and above (at normal condition);
- 2 If suction pressure less than 0 bar, Boost pressure should be required;
- 3 In case of 200-1000mm²/s, please allow system to warm up before using machine.

Type introduction

Product series



Size

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Charge pump

Direction rotation

Control type

Type introduction

Mounting flang

		75	280	300	Code
	SAE C 127-2	●			C2
	Special 4-hole fange		●	●	G4

Input shaft

		75	280	300	Code
	SAE J744-32-4 14T-12/24DP	●			S3
	JIS B1603 54 × 16 × 3		●	●	J5
	JIS B1603 60 × 18 × 3		●	●	J6

Through driv and pilot pump

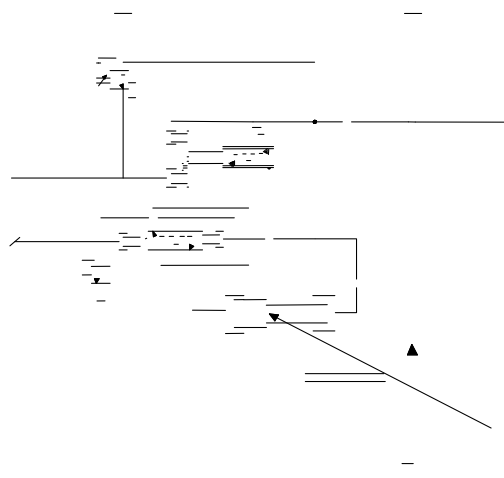


Conn ction typ (xc pt inl t and outl t port)

	UNC port, ISO11926	○	A
	Metric port, ISO 6149	○	M
	BSPP G thread, JIS B2351	●	G

Thr ad typ of Flang Port

	UNC threads (only for UNC port)	○	A
	Metric thread	●	M

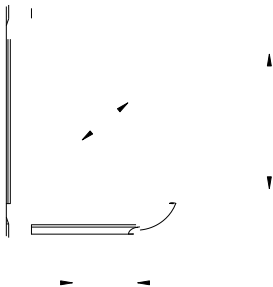


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Installation size

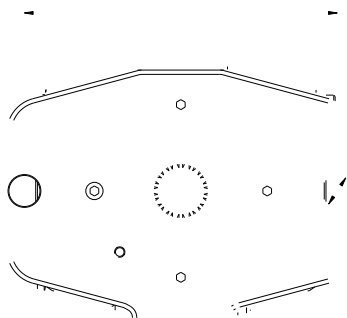
• HP3V 75S Description of oil port

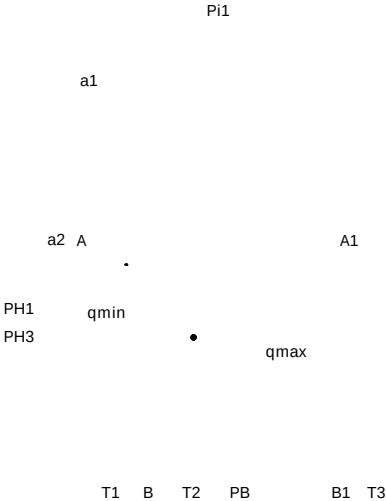


• Port Details

	Port Name	Port Size and Description
A	Output Port	SAE 1" 4-M12 depth 19mm
B	Input Port	SAE 1-1/2" 4-M12 depth 19mm
T1, T2	Drain Port	G1/2 depth 19mm
Pw	Pilot Port	G1/4 depth 12mm
MA	Pressure Measureing	G1/4 depth 15mm
Pv	Pressure Measureing	G1/4 depth 12mm

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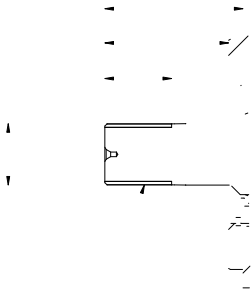


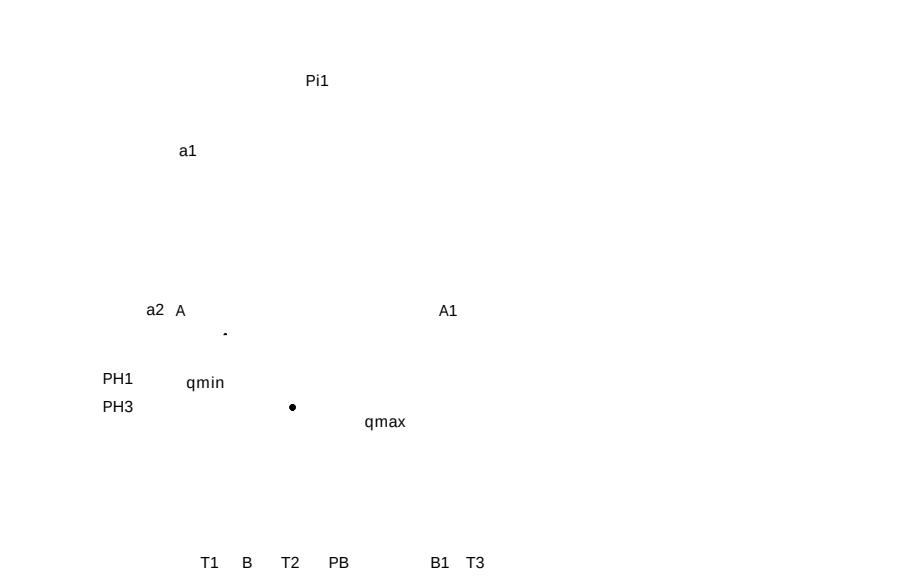


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Connector for
solenoids: dt04-2P
Rated voltage: 24V
resistance: 21Ω(20

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G rmany