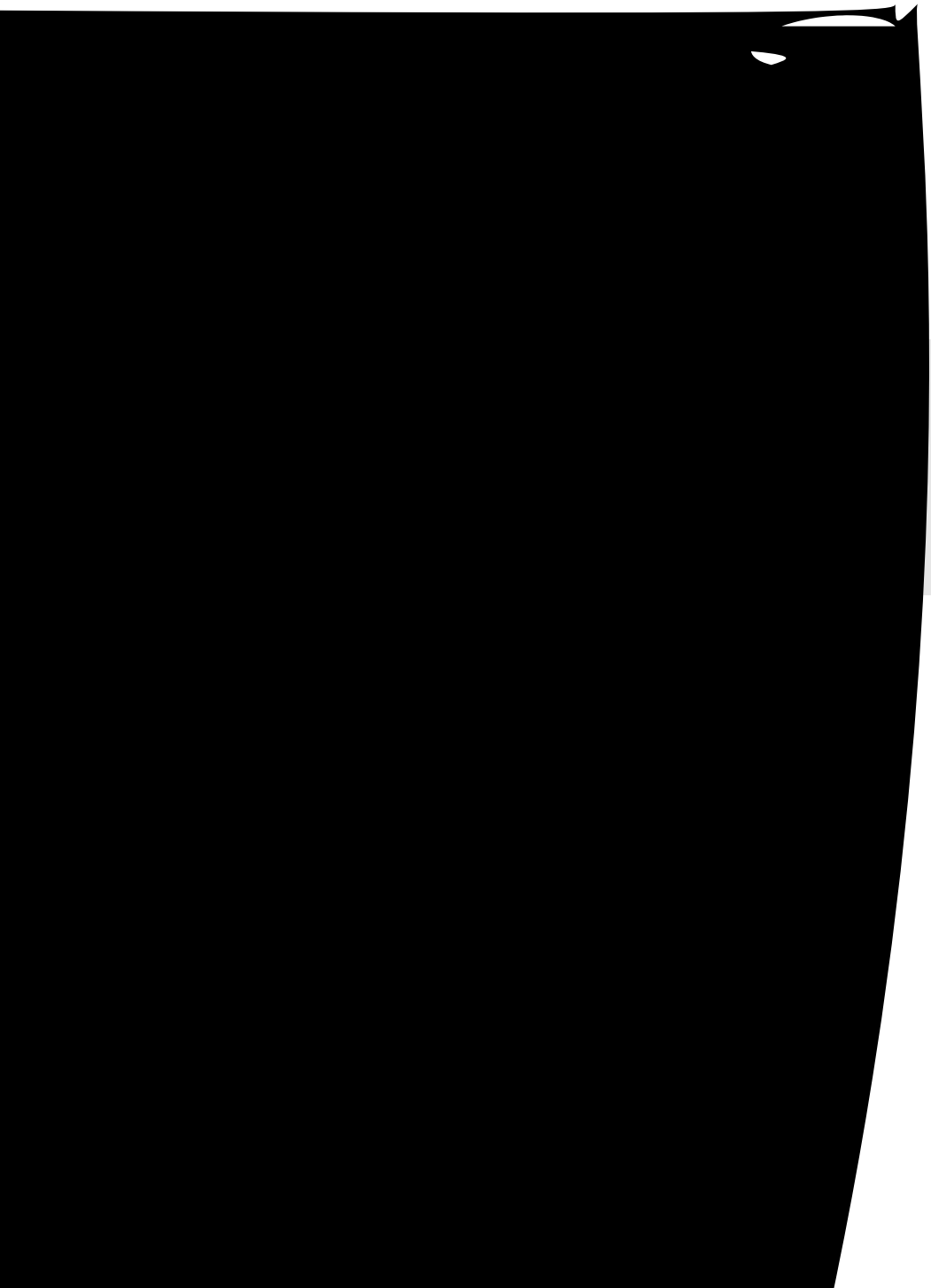


Technical Data

Q6xc		25	30	38	45
K_v bgqnj_ac k c l r &aa-pc t'		25	30	38	45
Kg l bgqnj_ac k c l r &aa-pc t'		Can be adjusted according to the requirements			
Bgpcargm l md pmr_rgm l		Clockwise, Counter clockwise			
Pmr_rgm l qnccb &_r k_v bgqnj_ac k c l r'	P_rcb &pn k '	3400	3500	3600	3500
	K_v &pn k '	3950	4150	4000	3900
Pmr_rgm l qnccb &_r kg l bgqnj_ac k c l r'	P_rcb &pn k '	4400	4450	4650	4500
	K_v &pn k '	5000	5150	5200	5050
Npcqqspc	P_rcb &`_p'	210	175	210	175
	K_v &`_p'	415	350	415	350
Am l rpmj Npcqqspc	Kg l &`_p'	14			
	K_v &`_p'	69			
A_qrg l e npcqqspc	P_rcb &`_p'	2			
	K_v &`_p'	6			
Ucge f r &l e'		15.4			
Mgj tgqamqgrw & k k°-q'		7~1600, Best range: 12~80			
Mgj Rc k ncp_rspc &, '		-40~100, Best range: 60~85			
Mgj Ajc_ l jg l cqq		ISO 4406 20/18/15			

Type introduction

HM3V	38	N	S1	R	N	N	F1513	

Npmbsar qcpgcq

	Swash plate axial piston motor	HM3V

Qgxc

	Size	25	30	38	45

Qnccb qc l qmp

	Without	N
	With 45 pulse/ring	S

Rfc g l nsr qf_dr

	13T 16/32 pitch ANSI B92.1-1970	S1
	15T 16/32 pitch ANSI B92.1-1970	S2
	1: 8 Conical axis	D

@_ai amtcp nmpr rwnc

	Lateral port, 1-1/16-12UN-2B	R
	Lateral port, 1-1/16-12UN-2B	Y

Djsqf t_jtc

	None (standard, If you want to fush valve please contact with us)	N
	Flow=option 1, open pressure 10.3bar (to be developed)	1

?bhsqr_`jc k g l bgqnj_ac k c l r jg k grcp

	None	N

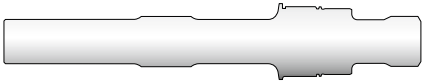
Kg l g k s k bgqnj_ac k c l r qcr

	9.5 cc/rev	F0950
	14.3 cc/rev	F1430
	15.13 cc/rev	F1513
	30 cc/rev(reverse only HM3V30	F3000
	38 cc/rev(reverse only HM3V38	F3800
	45 cc/rev(reverse only HM3V45	F4500

N_g l r_l b l_k cnj_rc

	HL nameplate and black paint	Blank

Section view



1. Servo piston
2. Bias spring
3. Swash plate
4. Output shaft
5. Shaft seal
6. Bearing
7. Slipper
8. Piston
9. Valve plate
10. Endcap
11. Cylinder block
12.Dust ring
13.Speed sensor

Principle

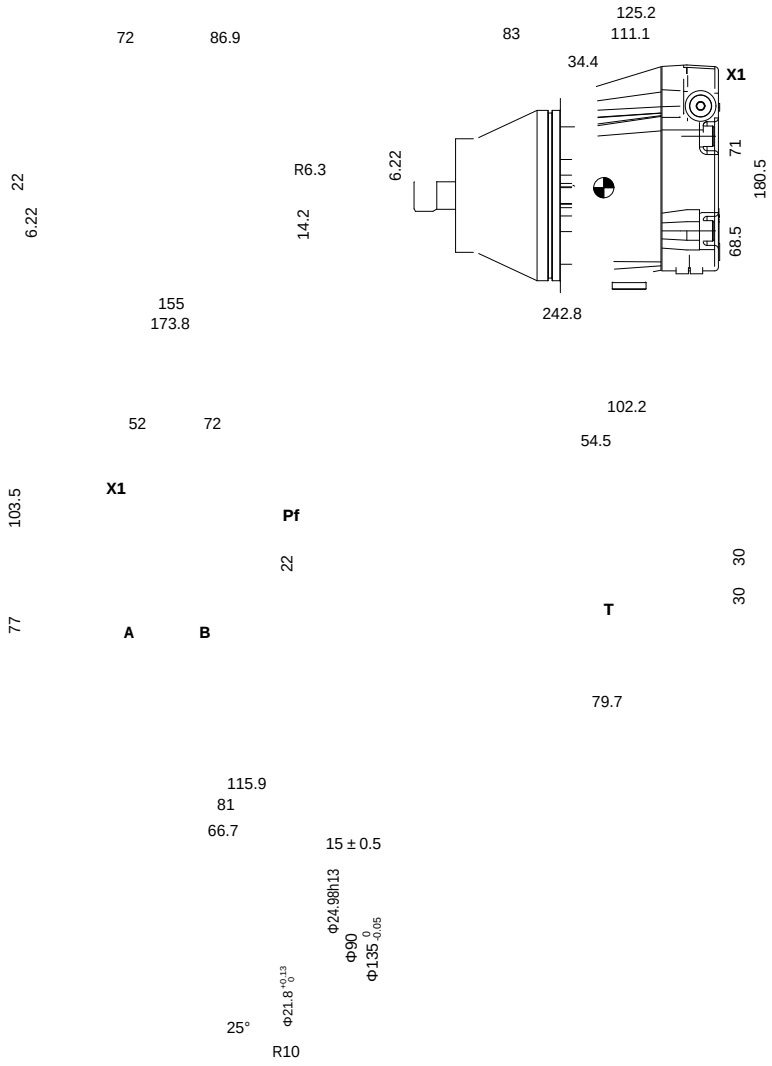
1) Two position variable motor, motor initial work location is maximum displacement location maintained by the bias spring and pressure oil to the motor control can switch the motor to minimum displacement.

2) On the housing there is an oil channel, which is independent with pressure relief oil line of the brake, this kind of design enables external brake control oil line through the oil duct connection to the brake relief port of the gear reducer brake.

3) In open loop, the motor output port maintains a back pressure to ensure lubrication and normal

Installation size

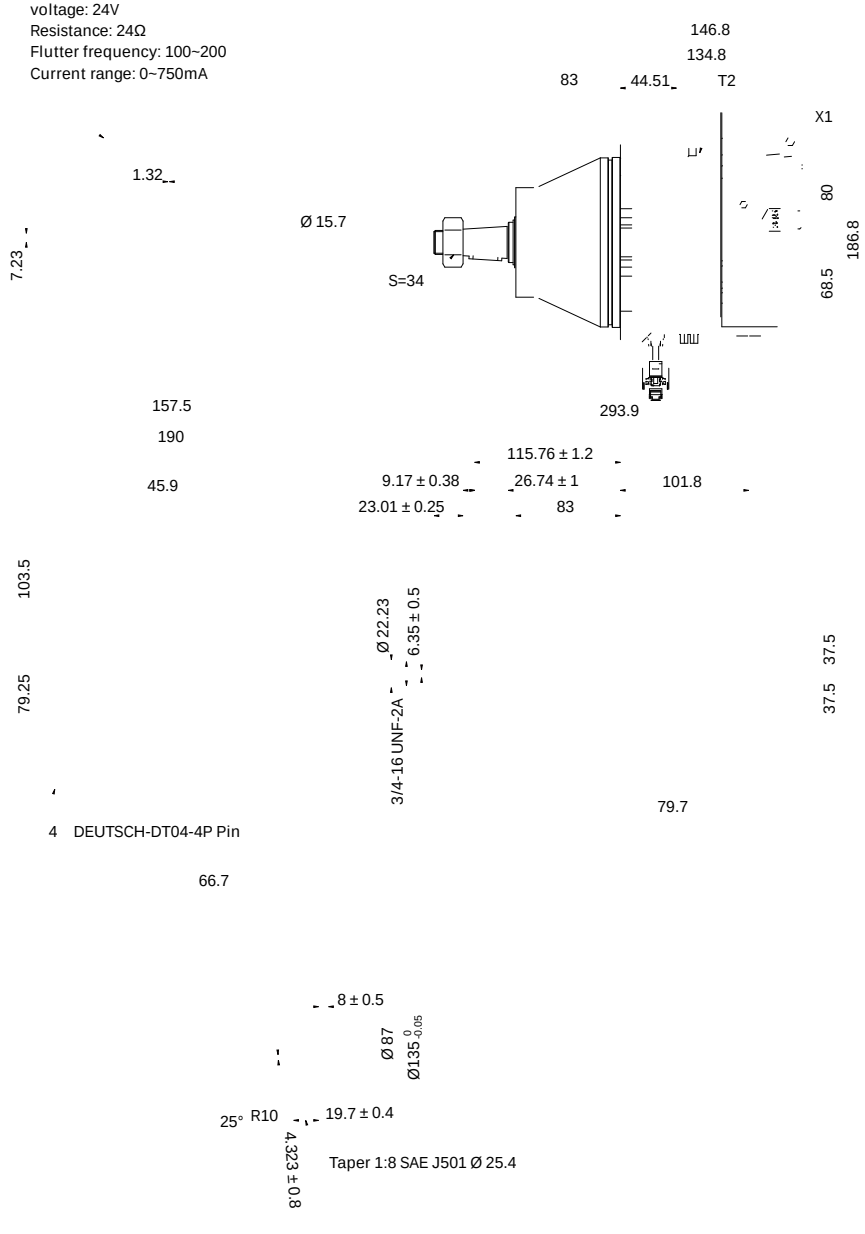
HM3V 30/38/45 Installation size



Installation size

·HM3V 30/38/45 Installation size (reversible)

Deutsch conn: DT04-2P
voltage: 24V
Resistance: 24Ω
Flutter frequency: 100~200
Current range: 0~750mA



Installation size

· Direction of rotation and oil flow direction

Installation	**Rotation**
Flow A → B	Clockwise
Flow B → A	Counter-clockwise

· Direction of rotation and oil flow direction (reversible)

Installation	**Rotation**
Flow A → B	Clockwise (The electromagnet loses power)
	Counter-clockwise (The electromagnet gets electricity)

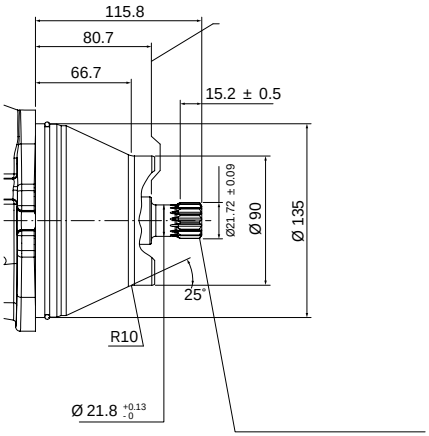
· Port details

	Nmpr L_kc	Nmpr Qgxc_lb Bcqapgnrgml	Rgefrclglе Rmposc&L+k'
A	Inlet port and Delivery port	1-1/16-12UN-2B (depth 22mm)	147
B		1-1/16-12UN-2B (depth 22mm)	147
X1	Control port	[illegible]	[illegible]

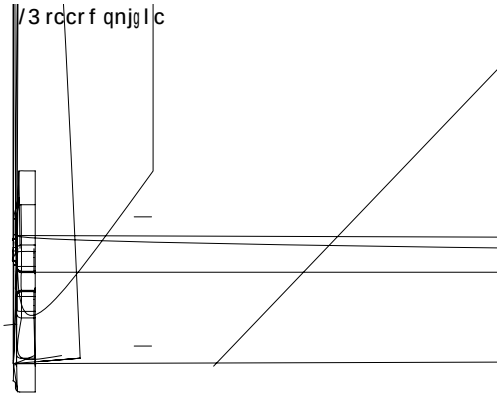
Installation size

HM3V 38/45 Input Shaft type

Q/ rwnc qf_dr
/1 rccrf qnjglc



Q0 rwnc qf_dr
/3 rccrf qnjglc



B rwnc qf_dr
/86 conical axis