3.3

FK3V QCPGCQ

Qu_qf+nj_rc Rwnc
?vg_j Ngqrm l Dgvcb Bgqnj_ac k c l r Kmrmp
&Am l r_g l g l e Ec_p`mv'

P a l able f e b le
ach e ch a e ca a a d a
d ll

A l e c c

S e:	45	80	130	180	250
Pea e e (ba):	240	324	324	324	324

Contents

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HM5X 45	05-06
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HM5X 250	14-15

Features

S a h la e e , e a ed h
echa cal b a e, el ef al e, cha e al e a d
a - eac al e;
C ac c e de h he '
a , e al echa cal b a e
ele e a d he a ached al e a e
ea l ac a ed e he .
S ec al de f he fla e, ca be
d ec l c ec ed h he ed ce .
S c e ed fl h e h a d
c ac ba ed he a e ech l ,
c ea ed he e .
A l ed he a c d f Med
la e- ed e ca a , e c.

Rcaf lga_j B_r_

M	Fea e		45	80	130	180		250
	N al d lace e (cc/ e)		44.1	79.9	129.2	180.1		250.1
	D ec f a		Cl c e, C e cl c e					
	Ma a eed ( )		1750	2200	1850	1680		1520
	Pea e e (ba)		240	324	324	324		324
	T e	Ra ed e (N)	168.5	410	670	930		1290
		Ma .b a e e (N)	178	475	874	1210		1770
	Ba P l P e e	M (ba)	15	22	34	34		34
		Ma (ba)	49	49	49	49		49
	Ca e e	Ra ed (ba)	1	2	2	2		2
		Ma (ba)	3	6	6	6		6
Red ce	Red ce e		RGSS35A	RGSL06E	RGSL12E	RGSL16E	RGSL23E	RGSL27E
	Red c a		20.615	20.01	20.01	20.01	25.2	25.2
	We h (K)		82	120	225	310	420	600
Ol c (^{2}/)			7~1600, Be a e: 12~80					
Ol Te e a e ( )			-40~100, Be a e: 60~85					
Ol Clea l e			ISO 4406 20/18/15					

Whe he c h 200～1000 ^{2}/ , eed ehea bef e f al .
N e: The HM5X45 e e h d a l c del e ed h ed ce . The ab e e ed da a e e e he da a l . F he a e bl da a he ed ce da a hall be c de ed.

Rwnc g l rpmbsargm l

HM5X	130	0	0	265	-	RGSL12E

Product series

	S a ɦ la e fi ed	HM5X

Displacement

	S e	45	80	130	180	250

Time delay valve

		45	80	130	180	250	C de
	W ɦ T e dela al e						1
	W ɦ T e dela al e						0

Anti-reaction valve

		45	80	130	180	250	C de
	W ɦ A - eac al e						1
	W ɦ A - eac al e						0

Relief valve setting

	Rel ef al e e	

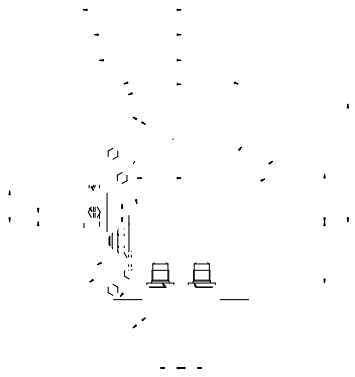
Reducer type

		45	80	130	180	250	C de
	W ɦ ed ce						N e
	RGSS35A						RGSS35A
	RGSL06E						RGSL06E
	RGSL12E						RGSL12E
	RGSL16E						RGSL16E
	RGSL23E						RGSL23E
	RGSL27E						RGSL27E

Npg lagnjc

Glqr_jj_rgmlqgxc

´FK3V23 Glqr_jj_rgmlqgxc



Gljcr nmpr	Msrjcr nmpr	Pmr_rgml bgpcargml
A	B	Cl c e
B	A	A -cl c e

Lmrc8 The a d ec l ed f
he haf e d.

G l qr_jj_rgm l qgxc

´F K3V 23 Nmpr bcr_gjq

	Port Name	Port Size and Description	Tightening Torque (N-m)
A	I le a d Del e	G1/2（de h 16	109
B			
M	Cha e	G3/4（de h 17	200
DB	H d a	G3/8（de h 12	70
PG	B a l	G1/4（de h 12	39.2
SH	B a elea e c l		
GA、GB	Ga e	G1/4（de h 12	39.2

·Specifications of output pinion

S a ea		
T l	T h file	S a da d ea
	M d le	8
	P e e a le	20°
N . Of ee h		12
P ch da e e		96
Adde d d.		4.4（X=+0.55）
T h hc e	D lace e e ee h	39.780 $^{-0.083}_{-0.189}$ (Mea e e h ee h)
Red c h hc e		0.088～0.201
P ec cla		JIS B 1702-1976 Cla 5
T h face h e		3.2

Glqr_jj_rgm lqgxc

´FK3V6. Nmpr bcr_gjq

	Port Name	Port Size and Description	Tightening Torque (N-m)	Plug type
A, B	l le a d Del e	G1/2 (de h 19	108	G1/2 Pla c l
M	Cha e	G3/4 (de h 20	167	G3/4 Pla c l
PA, PB	Ga e	G1/4 (de h 15	36	G1/4 S eel l
DB	H d a	G3/8 (de h 15	74	G3/8 Pla c l
PG	B a elea e	G1/4 (de h 12	36	G1/4 Pla c l
SH	B a l	G1/4 (de h 12	36	G1/4 Pla c l
L	O l le el	Rc1/4-12.5	22	S eel l
IP	Gea lfill	Rc1-22	127	S eel l

´FK3V6. Qf_dr qncag a_rgml

l l e l e 14-12/24DP	
S de fı	
S l e ch	12/24
N . Of ee h	14
P e ea le	30°
Ma da e e	$31.224^{\ 0}_{-0.16}$
M da e e	$26.993^{\ 0}_{-0.2}$
P ch da e e	29.634
Ba e da e e	25.663
D a e e f a	4.064
S ac f a	35.719 ～ 35.783
Refe e ce h h c e	3.230 ～ 3.273
Lead le a ce	0.015
S l e a da d	SAE J498B

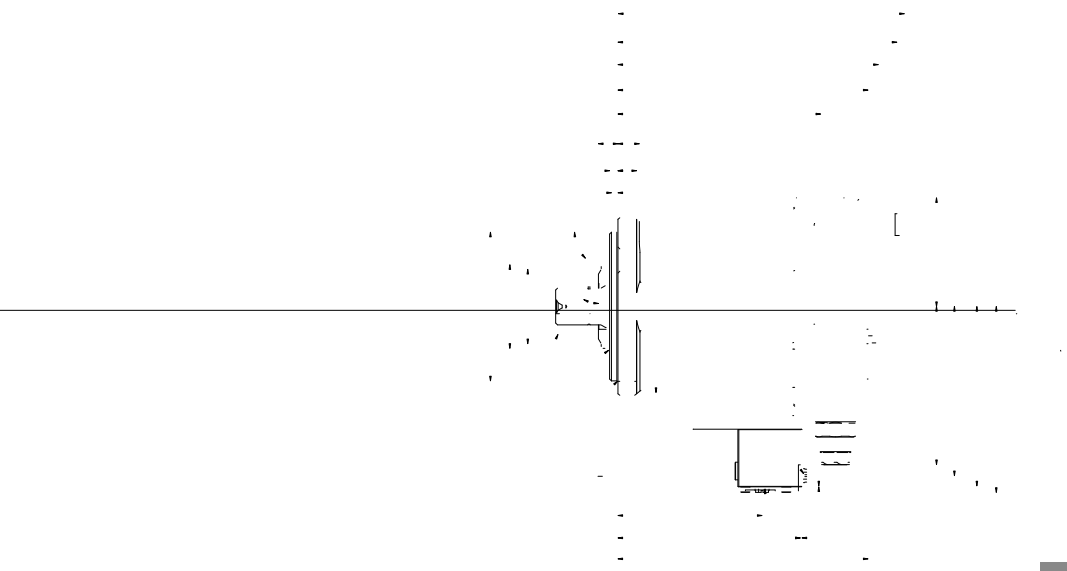
Glqr_jj_rgml qgxc

´FK3V/1.Qf_drqncag a_rgml

Sle ada d	JIS D2001
N be f ee h	19
M d le	1.667

Glqr_jj_rgml qgxc

´FK3V /6. Glqr_jj_rgml qgxc



Gljcr nmpr	Msrjcr nmpr	Pmr_rgml bgpcargml
A	B	Cl c e
B	A	A -cl c e

Lmrc8 The a d ec l ed f
he haf e d.

Glqr_jj_rgml qgxc

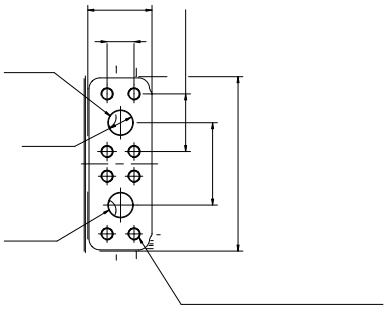
´FK3V/6. Nmprq qgxc

(E cl de l le a d Del e)

	Port Name	Port Size and Description	Tightening Torque (N-m)
M	Cha e	G1(de h 24)	200
DR	H d a	G1/2(de h 23)	109
PG	B a elea e	G1/4(de h 12)	36
SH	B a l	G1/4(de h 12)	36
PA, PB	P e e ea e	G1/4(de h 15)	36

´FK3V/6. Gljcr_lb Bcjgtcpw nmprq mnrgmlq

(P d ec)



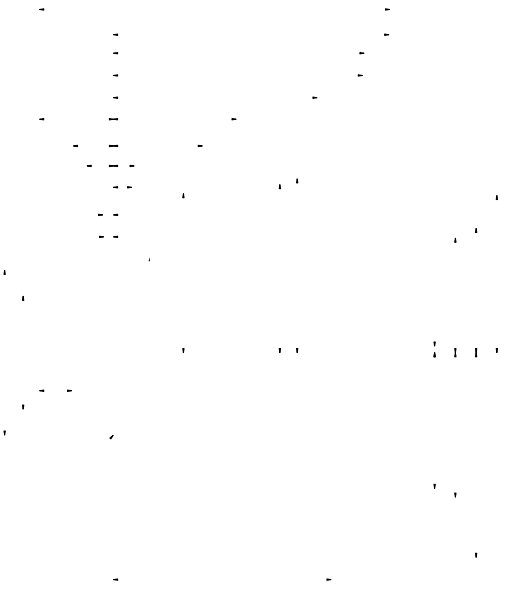
03

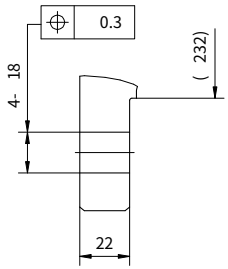
		Port Name	Port Size and Description	Tightening Torque (N-m)
Fla ed e	A	l le a d	SAE G3/4	
	B	Del e		
Th eaded e	A	l le a d	G3/4(de h 20)	167
	B	Del e		

S l e a da d	JIS D2001

Glqr_jj_rgml qgxc

FK3V03.Glqr_jj_rgml qgxc





W-W

G l qr_jj_rgm l qgxc

´ FK3V 03 . Nmpr bcr_gjq

	Port Name	Port Size and Description	Tightening Torque (N-m)	Plug type
M	Cha e	G1 1/4	200	G1 Pla c l
DR	H d a	G3/4	109	G1/2 Pla c l
PG	B a elea e	G1/4 (de h 12	36	G1/4 Pla c l
SH	B a l	G1/4 (de h 12	36	G1/4 Pla c l
PA , PB	Ga e	G1/4 (de h 15	36	G1/4 S eel l 2