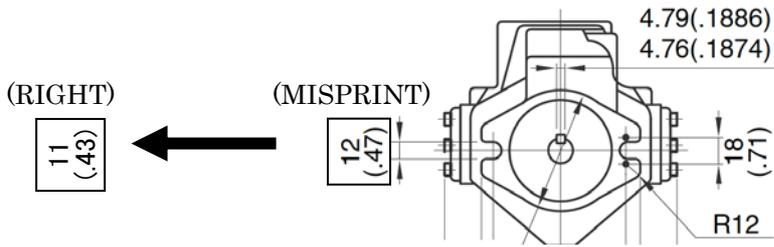
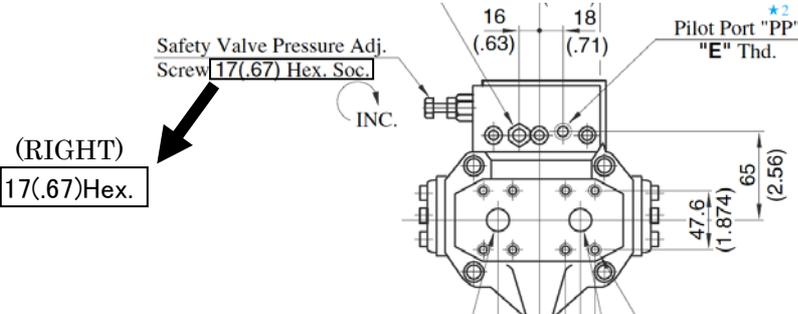


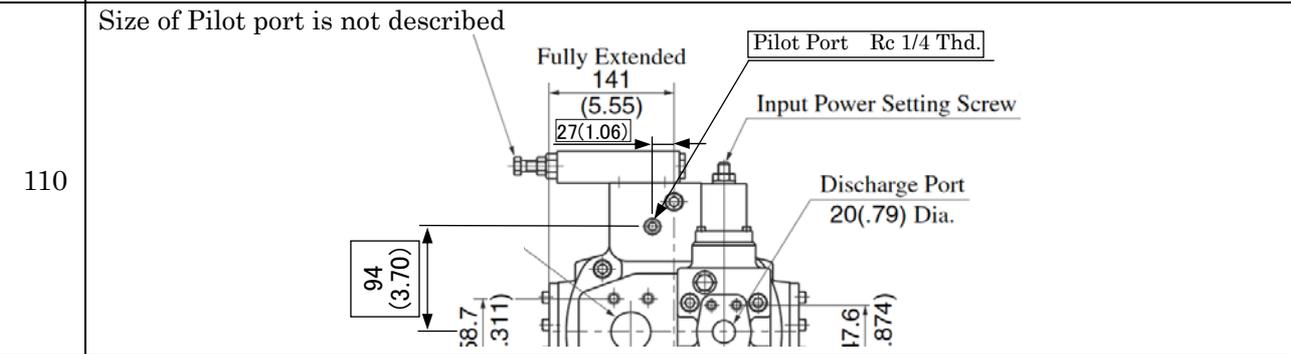
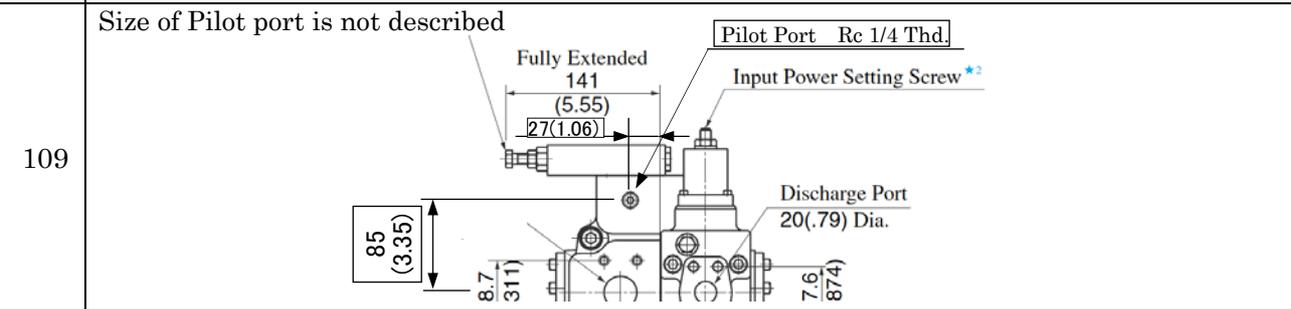
YUKEN Engineering Information Catalogue Edit. 11 Corrigenda

Page	Corrections																					
28	<p>[Recommended Drain Piping Size]</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Model</th> <th colspan="2">Fitting Size</th> <th rowspan="2">Inside Dia. of Pipe</th> </tr> <tr> <th>Japanese Std. "JIS" & European Design Std.</th> <th>N.American Design Std.</th> </tr> </thead> <tbody> <tr> <td>A10</td> <td>3/8 [Inside Dia. 8.5 mm (.33 in.) or more]</td> <td>SAE #6</td> <td rowspan="2">10 mm (.39 in.)</td> </tr> <tr> <td>A16, A22</td> <td>3/8 [Inside Dia. 8.5 mm (.33 in.) or more]</td> <td>SAE #8</td> </tr> <tr> <td>A37</td> <td>1/2 [Inside Dia. 10 mm (.47 in.) or more]</td> <td>SAE #10</td> <td>12 mm (.47 in.)</td> </tr> <tr> <td>A56, A70 A90, A145</td> <td>3/4 [Inside Dia. 16 mm (.63 in.) or more]</td> <td>SAE #12</td> <td>19 mm (.75 in.)</td> </tr> </tbody> </table> <p>(RIGHT) 12 mm (.47 in.) ←</p>	Model	Fitting Size		Inside Dia. of Pipe	Japanese Std. "JIS" & European Design Std.	N.American Design Std.	A10	3/8 [Inside Dia. 8.5 mm (.33 in.) or more]	SAE #6	10 mm (.39 in.)	A16, A22	3/8 [Inside Dia. 8.5 mm (.33 in.) or more]	SAE #8	A37	1/2 [Inside Dia. 10 mm (.47 in.) or more]	SAE #10	12 mm (.47 in.)	A56, A70 A90, A145	3/4 [Inside Dia. 16 mm (.63 in.) or more]	SAE #12	19 mm (.75 in.)
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51	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">● List of Seal Kits (MISPRINT)</th> <th colspan="2" style="text-align: left;">● List of Seal Kits (RIGHT)</th> </tr> <tr> <th>Pump Model Numbers</th> <th>Seal Kit Numbers</th> <th>Pump Model Numbers</th> <th>Seal Kit Numbers</th> </tr> </thead> <tbody> <tr> <td>A10-FR01B-12</td> <td>KS-A10-01B-12</td> <td>A10-FR01B-12</td> <td rowspan="3" style="border: 1px solid black; padding: 2px;">KS-A10-01-12</td> </tr> <tr> <td>A10-FR01C-12/1280/12950</td> <td rowspan="2" style="border: 1px solid black; padding: 2px;">KS-A10-01H-12</td> <td>A10-FR01C-12/1280/12950</td> </tr> <tr> <td>A10-FR01H-12/1280/12950</td> <td>A10-FR01H-12/1280/12950</td> </tr> </tbody> </table>	● List of Seal Kits (MISPRINT)		● List of Seal Kits (RIGHT)		Pump Model Numbers	Seal Kit Numbers	Pump Model Numbers	Seal Kit Numbers	A10-FR01B-12	KS-A10-01B-12	A10-FR01B-12	KS-A10-01-12	A10-FR01C-12/1280/12950	KS-A10-01H-12	A10-FR01C-12/1280/12950	A10-FR01H-12/1280/12950	A10-FR01H-12/1280/12950				
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99	 <p>(RIGHT) 17(.67)Hex.</p>																					

● A70/A145

A70	-F	R	09	A	S	-60	*	
Series Number	Mounting	Direction of Rotation	Control Type	Input Power Setting		Direction of Port	Design Number	Design Std.
A70 (70 cm ³ /rev)	F: Flange Mtg.	(Viewed from Shaft End)	09: Constant Power Control Type	A: 15 kW (20 HP) B: 18.5 kW (25 HP)	E: 22 kW (30 HP) F: 30 kW (40 HP)	S: Side Port	60	Refer to ★3
A145 (145 cm ³ /rev)	L: Foot Mtg.	R: Clockwise*1 (Normal)		A: 15 kW (20 HP) B: 18.5 kW (20 HP) C: 22 kW (30 HP) D: 30 kW (40 HP)	E: 37 kW (50 HP) F: 45 kW (60 HP) G: 55 kW (75 HP) H: 75 kW (100 HP)		60	

(RIGHT) **D: 30 kW. (40 HP)** **C: 22 kW. (30 HP)**



Model Numbers	"C" Thd.	"D" Thd.	"E" Thd.	F mm(IN.)	H mm(IN.)
A3H56-FR01KK-10	Rc 3/4	M12	M12	22 (.87)	22 (.87)
A3H56-FR01KK-1080	3/4 BSP.F				
A3H56-FR01KK-10950	SAE #12	1/2-13 UNC	7/16-14 UNC	21 (.83)	20 (.79)

(RIGHT) **7/16-14 UNC** **1/2-13 UNC** **20(.79)** **21(.83)**



Model Numbers	Thread Size		Dimensions mm (Inches)									
	C	D	E	F	H	J	K	L	N	P		
A3H145-FR01KK-10	Rc 3/4	M12	—	22 (.87)	—	95 (3.74)	81 (3.19)	63 (2.48)	49.39 (1.944)	44.45 (1.7500)	50.80 (2.0000)	
A3H145-FR01KK-1080	3/4 BSP.F								49.21 (1.937)	44.40 (1.7480)		
A3H145-FR01KK-10954	SAE #12	1/2-13 UNC	—	21 (.83)	—	74.6 (2.94)	60.6 (2.39)	50 (1.97)	49.39 (1.944)	44.45 (1.7500)	56.43 (2.222)	
									49.21 (1.937)	44.40 (1.7480)		56.25 (2.215)

(RIGHT) **50.80(2.0000)** **50.75(1.9980)**
56.43(2.2222) **56.25(2.215)**

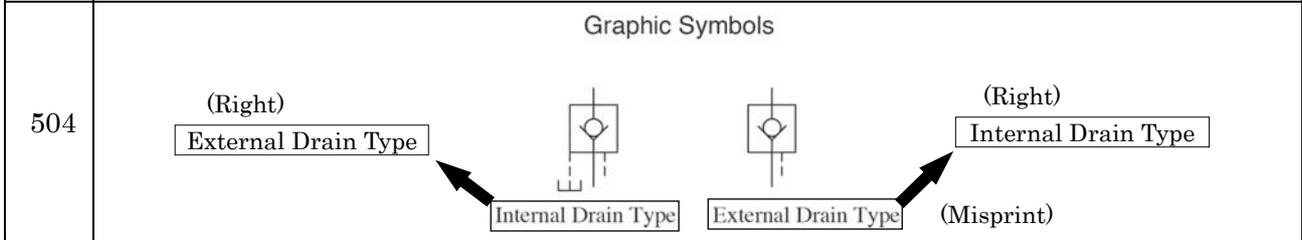
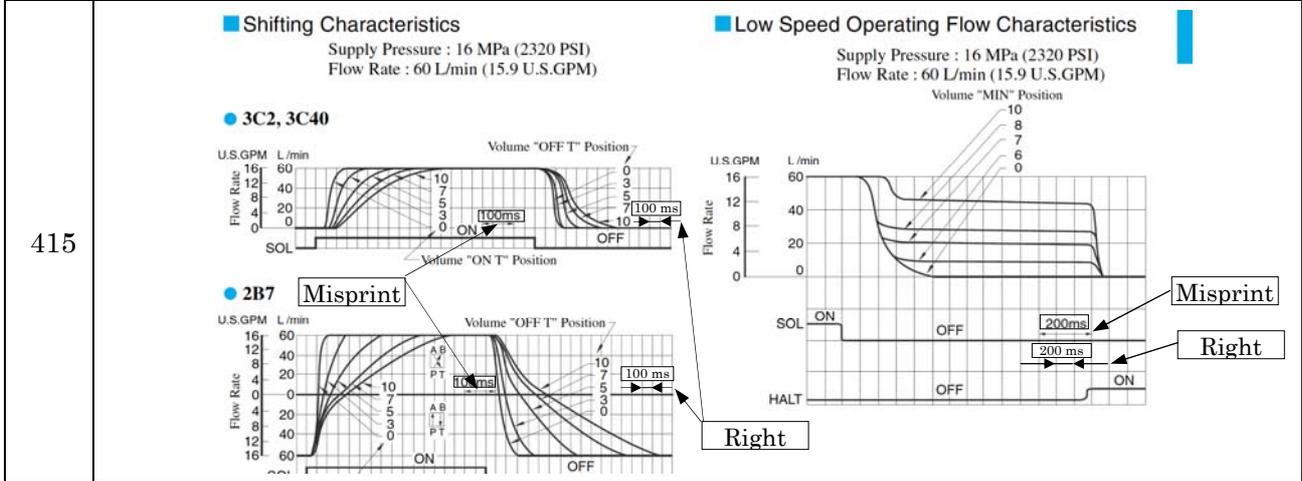
(RIGHT) **M16**

Model Numbers	Thread Size		Dimensions mm (Inches)									
	C	D	E	F	H	J	K	L	N			
A3H180-FR01KK-10	Rc 3/4	M12	—	—	112 (4.41)	97.5 (3.84)	80 (3.15)	56.43 (2.222)	50.80 (2.0000)	50.75 (1.9980)		
A3H180-FR01KK-1080	3/4 BSP.F											
A3H180-FR01KK-10954	SAE #12	5/8-11 UNC	—	32 (1.26)	—	74.6 (2.94)	60.6 (2.39)	50 (1.97)	49.39 (1.944)	44.45 (1.7500)	56.43 (2.222)	
									49.21 (1.937)	44.40 (1.7480)		56.25 (2.215)

(RIGHT) **99.8(3.93)** **85.3(3.36)** **70(2.76)**

Page	Corrections				
	Pilot & Drain Conn.	Graphic Symbols	European Design Standard	N. American Design Standard	Japanese Std. "JIS"
265	Int. Pitot- Int. Drain		BUCG-06-**-30801 BUCG-10-**-25801	BUCG-06-**-30901 BUCG-10-**-25901	BUCG-06-**-3001 BUCG-10-**-2501
	Int. Pitot- Ext. Drain		BUCG-06-**-30802	BUCG-06-**-30902	(RIGHT) BUCG-10-**-2502 BUCG-06-**-2502

382 ■ Model Number Designation
 Symbol of Drain Connection is incorrect
 E : Internal Drain → T : Internal Drain



544

■ Model Number Designation

F-	MHP	-01	-C	-30	*
Special Seals	Series Number	Valve Size	Pres. Adj. Range MPa (PSI)	Design Number	Design Standard
F: Special Seals for Phosphate Ester Type Fluids (Omit if not required)	MHP: Sequence Valve for P-Line MHB: Counterbalance Valve for A-Line	01	C: *-14 *1 (*-2030) H: 7-21 (1020-3050)	30	Refer to *2

(Right) MHA

