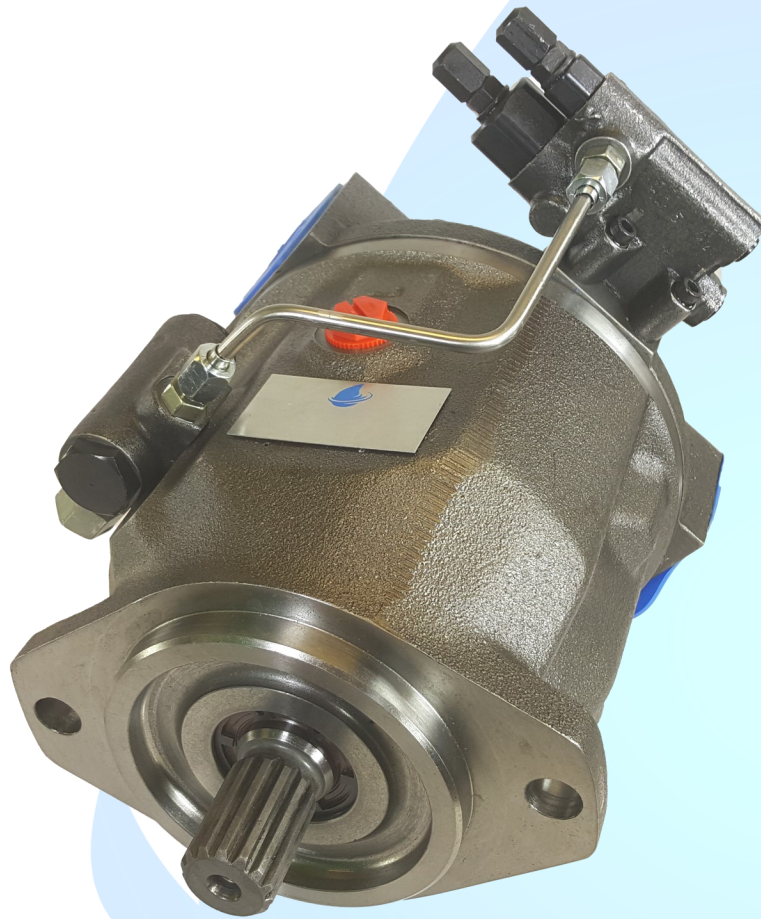


Variable Displacement Pump (A)A10V Series-31



Industrial & Mobile, Single & Thru Shaft Models, A10V / AA10V

18, 28, 45, 71, 100 & 140 Frame Sizes Available

Same Day Shipment of Units or Parts Orders

DR, DRG, DFR, DFR1, DFLR Controls

SAE & Metric Units

Variable Displacement Pump (A)A10V, Series 31

Ordering Code

(A)A10V(S)				/		-					
1	2	3	4		5	6	7	8	9	10	11

1. Axial Piston Unit

Swash Plate Variable Pump	A10V
Swash Plate Variable Pump for Industrial	A10VS

2. Mode of Operation

Pump, Open Circuit	O
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3. Size

cm ³ /rev (in ³ /rev)	18 (1.10)	28 (1.71)	45 (2.75)	71 (4.33)	100 (6.10)	140 (8.54)
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4. Control Devices

Pressure Control	DR
Pressure Remote Control	DRG
Pressure & Flow Control	DFR
Pressure & Flow (w/ X port blocked)	DFR1
Pressure, Flow, & Power Control	DFLR

5. Series

Series	31
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6. Direction of Rotation

(Viewed From Shaft End)

Clockwise	R
Counter-Clockwise	L

7. Seals

Buna-N (NBR per DIN ISO 1629)	P
FPM (Fluorocarbon)	V

8. Shaft End

	18	28	45	71	100	140	
SAE-Splined Shaft	•	•	•	•	•	•	S
SAE- Splined Shaft Reinforced (Higher Through Drive Torque)	•	•	•	•	-	-	R
SAE Splined shaft, Smaller size (not for pumps with through drive)	•	-	•	•	•	-	U
SAE Splined shaft, Reinforced (U -type Shaft)	•	•	•	•	•	-	W
SAE-Keyed Shaft	•	•	•	•	•	•	K
Parallel with Key DIN 6885	•	•	•	•	•	•	P

9. Mounting Flange

18 28 45 71 100 140

SAE 2 Hole	•	•	•	•	•	-	C
ISO 2 Hole	-	•	•	•	•	-	A
SAE 4 Hold	-	-	-	-	-	•	D

10. Service Ports

18 28 45 71 100 140

Rear Ports, UNC mounting screws	-	•	•	•	•	-	61	Ports 61, 11, 91 & 41 are non- through drive only
Opposite side ports, UNC mounting screws	•	•	•	•	•	•	62	
Rear ports, metric mounting screws	-	•	•	•	-	-	11	
Opposite side ports, metric mounting screws	-	•	•	•	•	•	12	
Rear ports, UNC mounting screws	-	-	-	•	-	-	91	
Opposite side ports, UNC mounting screws	-	-	-	•	-	-	92	
Rear ports, metric mounting screws	-	-	-	•	-	-	41	
Opposite side ports, Metric mounting screws	-	-	-	•	-	-	42	

11. Through Drives

18 28 45 71 100 140

Without Through Drive			•	•	•	•	•	•	N00
Mounting Flange SAEJ744	Hub	To mount							
82-2 (A)	3/4" Keyed (A-B)	A10V18 (K)	-	•	•	•	•	•	K40
101-2 (B)	7/8" Keyed (B)	A10V28 (K)	-	•	•	•	•	•	K03
101-2 (B-B)	1" Keyed (B-B)	A10V45 (K)	-	-	•	•	•	•	K05
127-2 (C)	1-1/4" Keyed (C)	A10V71 (K)	-	-	-	•	•	•	K08
127-2 (C)	1-1/2" Keyed (C)	A10V100 (K)	-	-	-	-	•	•	K38
152-4 (D)	1-3/4" Keyed (D)	A10V140 (K)	-	-	-	-	-	•	K21
82-2 (A)	5/8" 9T (A)	A10V18(U)	•	•	•	•	•	•	K01
82-2 (A)	3/4" 11T (A-B)	A10V18(S,R), 10 (S)	•	•	•	•	•	•	K52
101-2 (B)	7/8" 13T (B)	A10V28(S,R), 45(U,W)	-	•	•	•	•	•	K68/K02
101-2 (B)	1" 15T (B-B)	A10V45(S,R), 60(U,W)	-	-	•	•	•	•	K04
127-2 (C)	1-1/4" 14T (C)	A10V71(S,R), 100 (U,W)	-	-	-	•	•	•	K07/K15
127-2 (C)	1-1/2" 17T (C-C)	A10V100(S,R), 85(S)	-	-	-	-	•	•	K24
152-4 (D)	1-3/4" 13T (D)	A10V140(S,R)	-	-	-	-	•	•	K17