

VARIABLE DISPLACEMENT PUMP H(S)P-10V

SERIES 31

ORDERING CODE

H(S)P-10V	O	71	DR	/	31	R	-	P	S
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Axial Piston Unit

Swash plate variable pump	HP-10V
Swash plate variable pump for industrial	HSP-10V

Mode of Operation

Pump, open circuit	O
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Size

Displacement V_{gmax}	cm^3/rev	18	28	45	71	100	140
	(in^3/rev)	(1.10)	(1.71)	(2.75)	(4.33)	(6.10)	(8.54)

Control Devices

Pressure control	●	●	●	●	●	●	DR
Pressure remote control							DRG
Pressure and flow control	●	●	●	●	●	●	DFR
Pressure & flow (w/ X port blocked)							DFR1
Pressure, Flow & Power control	●	●	●	●	●	●	DFLR

Series

Series	31
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Direction of Rotation

Viewed from shaft end	clockwise	R
	counter-clockwise	L

Seals

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

Shaft End

	18	28	45	71	100	140	
SAE-splined shaft	●	●	●	●	●	●	S
SAE-splined shaft, reinforced (higher thru drive torque)	●	●	●	●	-	-	R
SAE splined shaft, smaller size (not for pumps with thru drive)	●	-	●	●	●	-	U
SAE- splined shaft, reinforced (U-type shaft)	●	●	●	●	●	-	W
SAE- keyed shaft	●	●	●	●	●	●	K
Parallel with key DIN 6885	●	●	●	●	●	●	P

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C	62	N00
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Through drives

18 28 45 71 100 140

				18	28	45	71	100	140	
Without through drive (Non-Thru Drive)				●	●	●	●	●	●	N00
With through drive to accept an axial piston pump or a gear pump										
Mounting flange SAEJ744	hub	sealing	to mount							
82-2 (A)	3/4" keyed (A-B)	axial	H(S)P-10V18 (K)	○	●	●	●	●	●	K40 ¹⁾
101-2 (B)	7/8" keyed (B)	axial	H(S)P-10V28 (K)	-	●	●	●	●	●	K03 ¹⁾
101-2 (B-B)	1" keyed (B-B)	axial	H(S)P-10V45 (K)	-	-	●	●	●	●	K05 ¹⁾
127-2 (C)	1-1/4" keyed (C)	axial	H(S)P-10V71 (K)	-	-	-	●	●	●	K08 ¹⁾
127-2 (C)	1-1/2" keyed (C)	radial	H(S)P-10V100 (K)	-	-	-	-	●	●	K38 ¹⁾
152-4 (D)	1-3/4" keyed (D)	axial	H(S)P-10V140 (K)	-	-	-	-	-	●	K21 ¹⁾
82-2 (A)	5/8" 9T (A)	axial	H(S)P-10V18(U)	●	●	●	●	●	●	K01
82-2 (A)	3/4" 11T (A-B)	axial	H(S)P-10V18(S,R), 10(S)	●	●	●	●	●	●	K52
101-2 (B)	7/8" 13T (B)	axial	H(S)P-10V28(S,R), 45(U,W)	-	●	●	●	●	●	K68/K02
101-2 (B)	1" 15T (B-B)	axial	H(S)P-10V45(S,R), 60(U,W)	-	-	●	●	●	●	K04
127-2 (C)	1-1/4" 14T (C)	axial	H(S)P-10V71(S,R), 100 (U,W)	-	-	-	●	●	●	K07/K15
127-2 (C)	1-1/2" 17T (C-C)	axial	H(S)P-10V100(S,R), 85(S)	-	-	-	-	●	●	K24
152-4 (D)	1-3/4" 13T (D)	axial	H(S)P-10V140(S,R)	-	-	-	-	-	●	K17

¹⁾ Permitted with reduced thru drive torque

See Thru Drives section for other options

Service Ports

(Pressure port B and Suction port S)

18 28 45 71 100 140

	18	28	45	71	100	140	
Rear ports, UNC mounting screws		●	●	●	●	-	61
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

Ports 61, 11, 91 & 41 non-through drive only

Mounting Flange

18 28 45 71 100 140

	18	28	45	71	100	140	
SAE 2 hole	●	●	●	●	●	-	C
ISO 2 hole 3019-2	●	●	●	●	●	-	A
SAE 4 hole	-	-	-	-	-	●	D
ISO 4 hole 3019-2	-	-	-	-	-	●	B

● = available
○ = in preparation
- = not available