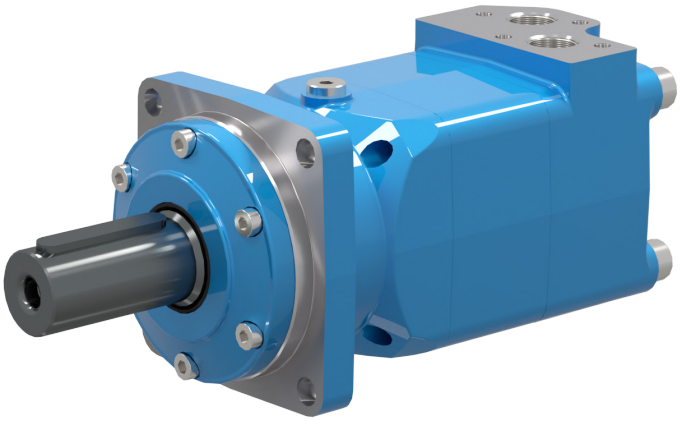
DANA SAMHYDRAULIK™



HT
Orbital Motors

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Ordering codes

The following alphanumeric digits system has been developed to identify all of the configuration options for the HT motors. Use the model code below to specify the desired features. **All alphanumeric digits system of the code must be present when ordering.** We recommend to carefully read the catalogue before filling the ordering code.

1	2	3	4	5	6	7	8	9	10	11	12	13
Series	Displacement	Version	Mount flange	Shaft end	Main port	Seal	Valve	Valve feature	Flushing Valve	Option	Version feature	Painting
HT	315	S	4C	CL400	M10	N	M101	020	XX	XX	XXXX	XX

1

Series	
HT	Orbital motor

2

Displacement	
160	160 cm³/giro [9.76 in³/rev]
200	200 cm³/giro [12.2 in³/rev]
250	250 cm³/giro [15.25 in³/rev]
315	315 cm³/giro [19.215 in³/rev]
400	400 cm³/giro [24.4 in³/rev]
500	500 cm³/giro [30.5 in³/rev]

3

Version	
S	Standard Version
C	Bearingless Version
F	Brake Version
W	Wheel Version

4

Mounting Flange		Version			
		S	C	F	W
4C	SAE C 4 Bolt	●	-	-	-
C4	ISO 4 Bolt Ø 125 mm [Ø 4.9 in] - Drain port 1/4 G (BSPP)	●	●	●	-
CS	ISO 4 Bolt Ø 125 mm [Ø 4.921 in] - Drain port 9/16" - 18 UNF	-	●	-	-
CW	ISO 4 Bolt Ø 160 mm [Ø 6.299 in] - Drain port 1/4 G (BSPP)	-	-	-	●

● Available
- Not Available

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5

Shaft End		Version			
		S	C	F	W
DB002	Dog Bone T=16 12/24 DP	-	●	-	-
CL400	Ø40 mm [1.56 in] Parallel keyed	●	-	●	●
C3800	Ø38 mm [1.48 in] Parallel keyed	●	-	-	-
CN400	Tapered Shaft (Available only with mount flange C4 and M10 Main Ports)	●	-	●	●
SC380	Splined Shaft (ANS B 92.1 / 1970 12/24 DP Z=17 spline)	●	-	●	●

6

Main Port		Version			
		S	C	F	W
M10	3/4 G BSPP (23x40) Main Ports (Standard)	●	●	●	●
M1Z	3/4 G BSPP (23x40) Main Ports, Without M10 threads	-	-	●	-
S10	1" 1/16 - 12 UN Main Ports	●	●	-	●

7

Seals	
N	NBR (Standard)
V	FKM

8

Valve		Main Port		
		M10	M1Z	S10
XXXX	Not Required	●	●	●
M101	Pressure relief valve VAF 10 - D	●	-	-
M102	Double-acting overcentre valve with shuttle valve VCR1 10 - D/AF	●	-	-
M103	Overcentre Valve with VCD2 10 - S/AF	●	-	-

Valve

9

Valve Features		Valve			
		XXXX	M101	M102	M103
000	Feature not necessary	●	-	-	-
023	Not Set 100÷350 bar [1450 to 5075 psi] - Direction of rotation CW	-	-	-	●
024	Not Set 100÷350 bar [1450 to 5075 psi] - Direction of rotation CCW	-	-	-	●
026	Not Set 30÷210 bar [435 to 3045 psi] - Direction of rotation CW	-	-	-	●
027	Not Set 30÷210 bar [435 to 3045 psi] - Direction of rotation CCW	-	-	-	●
020	Not Set 100÷200 bar [1450 to 2900 psi]	-	●	-	-
025	Not Set 210÷300 bar [3045 to 4350 psi]	-	●	-	-
700	Pilot Ratio 7:1	-	-	●	-
100	Pilot Ratio 10:1	-	-	●	-

HT

● Available
- Not Available

Ordering codes

10

Flushing Valve [1]	
XX	Not Required
06	VSC/F Flushing valve - 6 l/min [1.58 U.S. gpm]
09	VSC/F Flushing valve - 10.5 l/min [2.77 U.S. gpm]
15	VSC/F Flushing valve - 15 l/min [3.96 U.S. gpm]

11

Option	
XX	None

12

Version Feature		Version			
		S	**C**	**F**	**W**
XXXX	Standard version	●	●	●	●
HPS	High Pressure Sea	●	-	-	-
HD0	Heavy duty (available only with M10 Main ports, CL400-CN400-SC380 shats and without internal check valves)	●	-	-	-
DH0	Heavy duty (available only with M10 Main ports, CL400-CN400-SC380 shats and without internal check valves) + High Pressure Seal	●	-	-	-
TC7	Tachometer with sensor arrangement (available only with C4 flange and M10 main ports and C4 flange and M10 main ports)	●	-	-	-
TC8	Tachometer with sensor with 2 metres cable (available only with C4 flange and M10 main ports and C4 flange and M10 main ports)	●	-	-	-
FD0	Brake and Drain Ports 1/8 G	-	-	●	-

13

Painting	
XX	Not painted
01	Black Painted RAL 9005
21	Blue Painted RAL 5021

[1] It is possible to combine the flushing valves only with VAF 10 - D valve.

● Available
- Not Available

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