



TRIPLE VANE PUMPS

DT6 Triple vane pumps

DT6 TRIPLE VANE PUMPS ORDERING CODE

DT6 - DCC - B - 62/38/70 - 1 - R - 00 - B - 1 - 00

Special threads(ask for available threads)

UNC: 00, 01

Metric: M0, M1

Seal Class 1:NBR

5:VITON

Design letter

Porting combination (see diagrams)

Direction of rotation R: clockwise
L: counterclockwise

Type of Shaft (see particular pump model)

Flow(see particular pump model)

Bidirectional

Size (DCC, EDC)

Vane pumps "DT6" series

DT6 TRIPLE VANE PUMPS - GENERAL CHARACTERISTICS

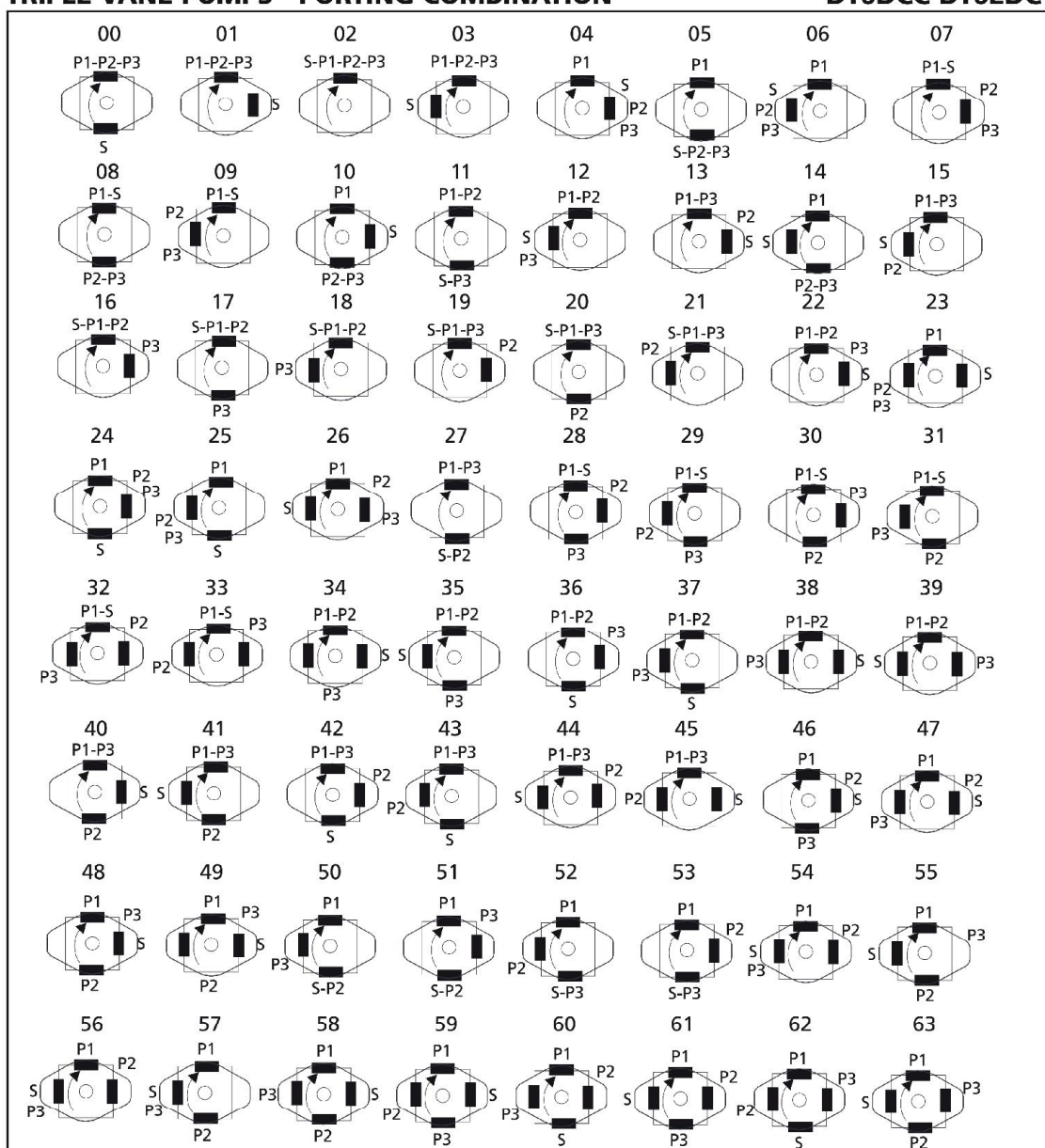
TRIPLE VANE PUMPS

Series	P1			P2			P3			Maximum speed*	Front Flange Standard SAE J744c ISO 3019-1	Weight Kgs	SAE 4 holes flange			
	Cartridge model	Theoretical displacem. Cm ³ /rev	Maximum Pressure*	Cartridge model	Theoretical displacem. Cm ³ /rev	Maximum Pressure*	Cartridge model	Theoretical displacem. Cm ³ /rev	Maximum Pressure*				Suction	Pressure port		
DT6DCC	014 - 061	47.6 - 190.5	240	003 - 031	10.8 - 100	275	003 - 031	10.8 - 100	275	2500	SAE C	61	4"	1.25"	1"	1" or 3/4"
DT6EDC	042 - 085	132.3 - 269.8	240	014 - 061	47.6 - 190.5	240	003 - 031	10.8 - 100	275	2200	ISO 3019-2	100	4"	1.5"	1.25"	1" or 3/4"

***IMPORTANT**
 C - 025,028,031 - 2500 rpm maximum 028,031 - 210 bar max intermittent
 D - 042,045,050 - 2200 rpm maximum 050 - 210 bar maximum intermittent - 061 - 120 bar maximum intermittent
 E - 085 - 2000 rpm maximum - 90 bar maximum intermittent
 See page 41 for further information about speed and pressure

TRIPLE VANE PUMPS - PORTING COMBINATION

DT6DCC-DT6EDC



S= Suction port | P1= Shaft end pressure port | P2= Middle pressure port | P3= Cover end pressure port

DT6DCC - OPERATING CHARACTERISTICS

SHAFT END SECTION

FLOW														SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	48	66	80	90	98	111	120	136	146	158	191			Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	14	20	24	28	31	35	38	42	45	50	61			500	2500*	240	210

* See page 41 for further information about speed & pressure.

MIDDLE SECTION

FLOW														SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*

* See page 41 for further information about speed & pressure.

COVER END SECTION

FLOW														SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*

* See page 41 for further information about speed & pressure.

DT6DCC - FLOW & INPUT POWER DIAGRAMS

SHAFT END

See **DT6D** Single Pumps for flow and input power diagrams (page 44)

MIDDLE BODY

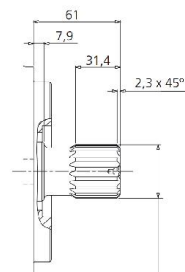
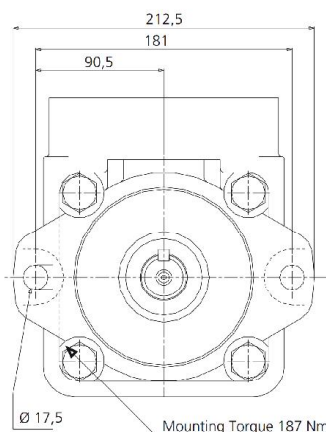
See **DT6C** Single Pumps for flow and input power diagrams (page 42)

COVER END

See **DT6C** Single Pumps for flow and input power diagrams (page 42)

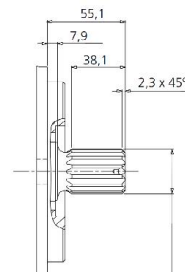
TRIPLE PUMPS DT6DCC - DIMENSIONS

DIMENSIONS IN MILLIMETERS. 1" = 25,4 mm



Shaft Code 4

SAE CC Splined shaft
1-J498b 12/24 d.p. -
17 Teeth
30° Pressure angle



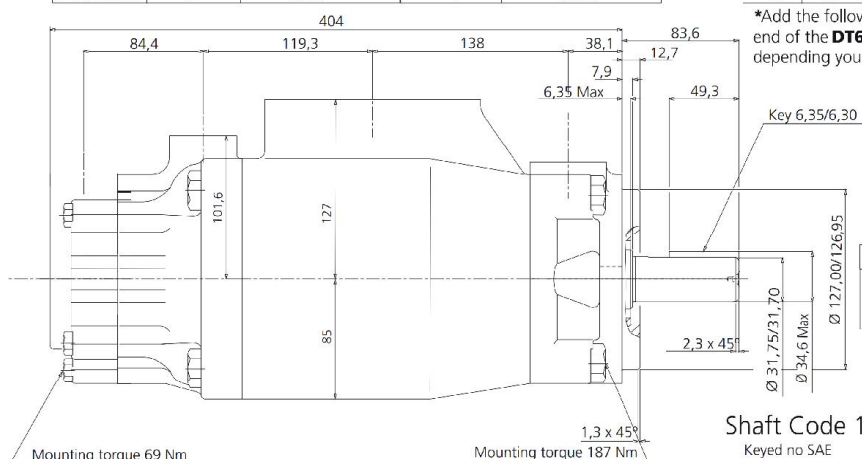
Shaft Code 3

SAE C Splined shaft
1-J498b 12/24 d.p. -
14 Teeth
30° Pressure angle

Shaft Torque limits (cc/rev x bar)				
Pump	Shaft Code	V x P max (P1+P2+P3)	Shaft Code	V x P max (P1+P2+P3)
DT6DCC	1	43240	3	61200
DT6DCCM	2	66500	4	66500

Alternate Ports				
Orifice	Code	A	B	C
P3	00*	52,4	26,2	25,4
P3	01*	47,6	22,1	19,0

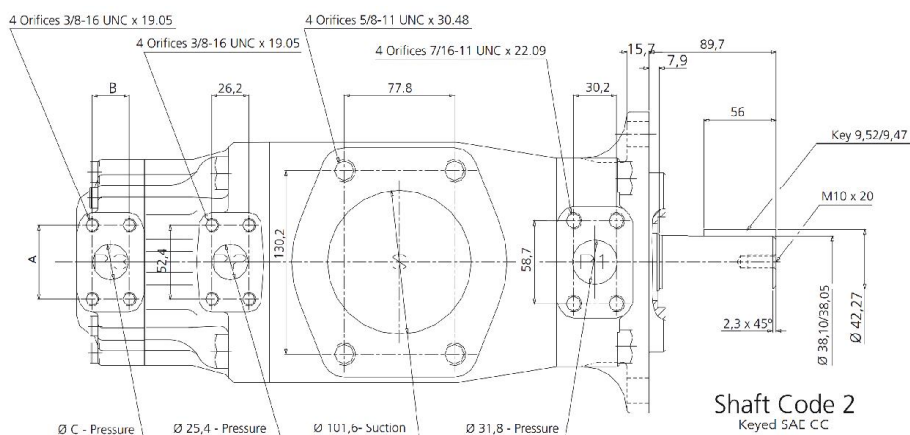
*Add the following numbers at the end of the **DT6DCC** reference depending your option.



	Code 00	Code 01
P3	1"	3/4"

Shaft Code 1

Keyed no SAE



Shaft Code 2

Keyed SAE CC

DT6EDC - OPERATING CHARACTERISTICS

SHAFT END SECTION

FLOW										SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	132	142	156	165	197	213	227	270		Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	42	45	50	52	62	66	72	85		500	2200*	240	210

* See page 41 for further information about speed & pressure.

MIDDLE SECTION

FLOW												SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	48	66	80	90	98	111	120	136	146	158	191	Min.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	14	20	24	28	31	35	38	42	45	50	61	500	2500*	240	210

* See page 41 for further information about speed & pressure.

COVER END SECTION

FLOW														SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*

* See page 41 for further information about speed & pressure.

DT6EDC - FLOW & INPUT POWER DIAGRAMS

SHAFT END

See **DT6E** Single Pumps for flow and input power diagrams (page 46)

MIDDLE BODY

See **DT6D** Single Pumps for flow and input power diagrams (page 44)

COVER END

See **DT6C** Single Pumps for flow and input power diagrams (page 42)

TRIPLE PUMPS DT6EDC/DT6EDCM - DIMENSIONS

DIMENSIONS IN MILLIMETERS. 1" = 25,4 mm

