



Hydraulic Truck Pump

Catalogue 2025



BUREAU
VERITAS

Bureau Veritas Certification

FLO-TECH ENGINEERING CO., LTD.

47 SOI SUKSAWAD 14/18 JOMTONG, JOMTONG, BANGKOK 10150 THAILAND

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

**DESIGN & DEVELOP, PRODUCTION AND TRADING OF HYDRAULIC PUMP,
HYDRAULIC MOTOR, HYDRAULIC VALVE, PNEUMATIC VALVE,
POWER UNIT AND HYDRAULIC ACCESSORIES**

Original cycle start date:	17 March 2009
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	NA
Certification / Recertification cycle start date:	16 March 2024
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	16 March 2027

Certificate No.: TH022197

Version: 1

Issue date: 16 March 2024



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Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: Bureau Veritas Certification (Thailand) Ltd. 16th Floor, Bangkok Tower, 2170 New Petchburi Road, Bangkapi, Huaykwang, Bangkok 10310, Thailand

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: 66 2 670 4800



HOF Hydraulic Solutions Warranty Policy

Warranty

Flowlution Co.,Ltd, sole distributor of "HOF Hydraulic Solutions", Warrants all of its products to be free from defects in material and workmanship under normal operating conditions and proper application in accordance with the specifications for operation as described by the manufacturer for the period of twelve (12) months in service.

Limitations on Warranty

This Warranty is expressly in lieu of any other warranties expressed or implied. Buyer's sole and exclusive remedy under this Warranty shall be limited to the repair, replacement or exchange of warranted products at our option, F.O.B. our factory, or designated service center.

No special, incidental, consequential or other damage shall be recoverable. Flowlution Co.,Ltd shall not be liable for consequential damages or contingent liabilities including, but not limited to, loss of life, personal injury, loss of crops, loss due to fire or water damage, loss of business or business income, down time costs and trade or other commercial loss arising out of the failure of the product. Flowlution Co.,Ltd will in no event be liable for any sum in excess of the price received by it for the product for which liability is claimed or asserted.

No product shall be returned without prior authorization from Flowlution Co.,Ltd. Buyers and their agents shall prepay all transportation charges for the return of such products to Flowlution Co.,Ltd's factory or designated service center. There will be no acceptance of any charges for labor and/or parts incidental to the removal or remounting of product repaired or replaced under this Warranty.

The above Warranty does not cover conditions over which Flowlution Co.,Ltd has no control, including, without limitation, contamination, pressures in excess of recommended maximum, products damaged or subject to accident abuse or misuse after shipment from our factory, products altered or repaired by anyone other than Flowlution Co.,Ltd personnel, authorized Flowlution Co.,Ltd factory personnel or persons so designated in writing by Flowlution Co.,Ltd prior to commencement of said work.

A return goods authorization number must be obtained from Flowlution Co.,Ltd or Flowlution Co.,Ltd's authorized Service center, or Flowlution Co.,Ltd's authorized agent prior to any products being returned for Warranty.

For more details please contact info@flowlution.com or contact@hofhydraulic.com



High Pressure Single Vane Pump

HT6GC/ HT67GB/ HT6ZC (Truck Pump)

Specification

HT6GC, HT6ZC for Single pump

Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)	Min. Speed rpm	Max. Speed rpm	Weight
003	10.8 (0.66)	275 (4000)	240 (3500)	600	2800	17.5 (38.5)
005	17.2 (1.05)					
006	21.3 (1.30)					
008	26.4 (1.61)					
010	34.1 (2.08)					
012	37.1 (2.26)					
014	46.0 (2.81)					
017	58.3 (3.56)					
020	63.8 (3.89)					
022	70.3 (4.29)					
025	79.3 (4.84)	206 (3000)	160 (2300)		2500	
028	88.8 (5.42)					
031	100.0 (6.10)					

HT67GB for Single pump

Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)	Min. Speed rpm	Max. Speed rpm	Weight
002	5.8 (0.35)	320 (4640)	290 (4200)	600	3600	17.5 (38.5)
003	9.8 (0.59)					
004	12.8 (0.78)					
005	15.9 (0.97)					
006	19.8 (1.20)					
007	22.5 (1.37)					
008	24.9 (1.51)					
009	28.0 (1.70)					
010	31.8 (1.94)					
011	35.0 (2.13)					
012	41.0 (2.50)					
014	45.0 (2.74)					
015	50.0 (3.05)	280 (4060)	240 (3500)			

High Pressure Single Vane Pump HT6GC/ HT67GB/ HT6ZC (Truck Pump)

Ordering Code



1. Model :

Truck Pump - HT6GC, HT67GB
ISO 4 bolts - 7653 (R17-102)

- HT6ZC
UNI Flange 3 bolts

7. Port Connection (4 bolts SAE flange J518C)

01 - UNC Port Connection
M1 - Metric Port Connection

Code	UNC		Metric	
	00	01	M0	M1
S = 1.½"	SAE	SAE	SAE	SAE
P = 1	BSPP	SAE	BSPP	SAE

2. Displacement

Volumetric displacement cm³/rec (in³/rev)

6C	7B
003 - 10.8 (0.66)	002 - 5.8 (0.35)
005 - 17.2 (1.05)	003 - 9.8 (0.60)
006 - 21.3 (1.30)	004 - 12.8 (0.78)
008 - 26.4 (1.61)	005 - 15.9 (0.97)
010 - 34.1 (2.08)	006 - 19.8 (1.20)
012 - 37.1 (2.26)	007 - 22.5 (1.37)
014 - 46.0 (2.81)	008 - 24.9 (1.51)
017 - 58.3 (3.56)	010 - 31.8 (1.92)
020 - 63.8 (3.89)	012 - 41.0 (2.47)
022 - 70.3 (4.29)	015 - 50.0 (3.01)
025 - 79.3 (4.84)	
028 - 88.8 (5.42)	
031 - 100.0 (6.10)	

8. Modifications

Omit - Standard
718 - Surface grinding the flange face for the manifold.

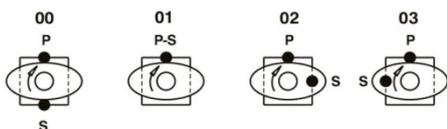
3. Type of shaft

6 - DIN 5462 Splined Shaft (HT6GC, HT67GB)
6 - DIN 5463 Splined Shaft (HT6ZC)

4. Direction of rotation (view on shaft end)

R - Turn right
L - Turn left

5. Porting combination (see page Porting Diagrams)



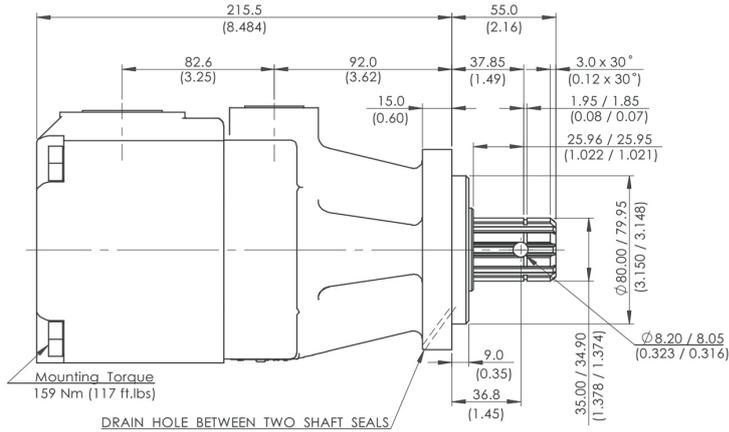
S - Suction port P - Pressure port

6. Design letter

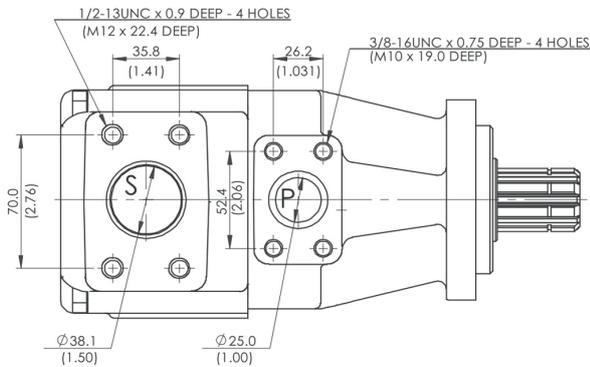
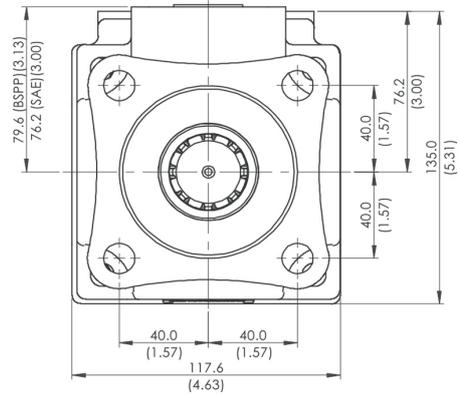
High Pressure Single Vane Pump HT6GC/ HT67GB/ HT6ZC (Truck Pump)

Installation Dimension mm (inch)

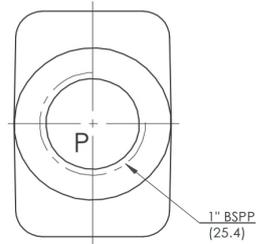
HT6GC, HT67GB



Shaft code 6
(DIN 5462) B8x32x36

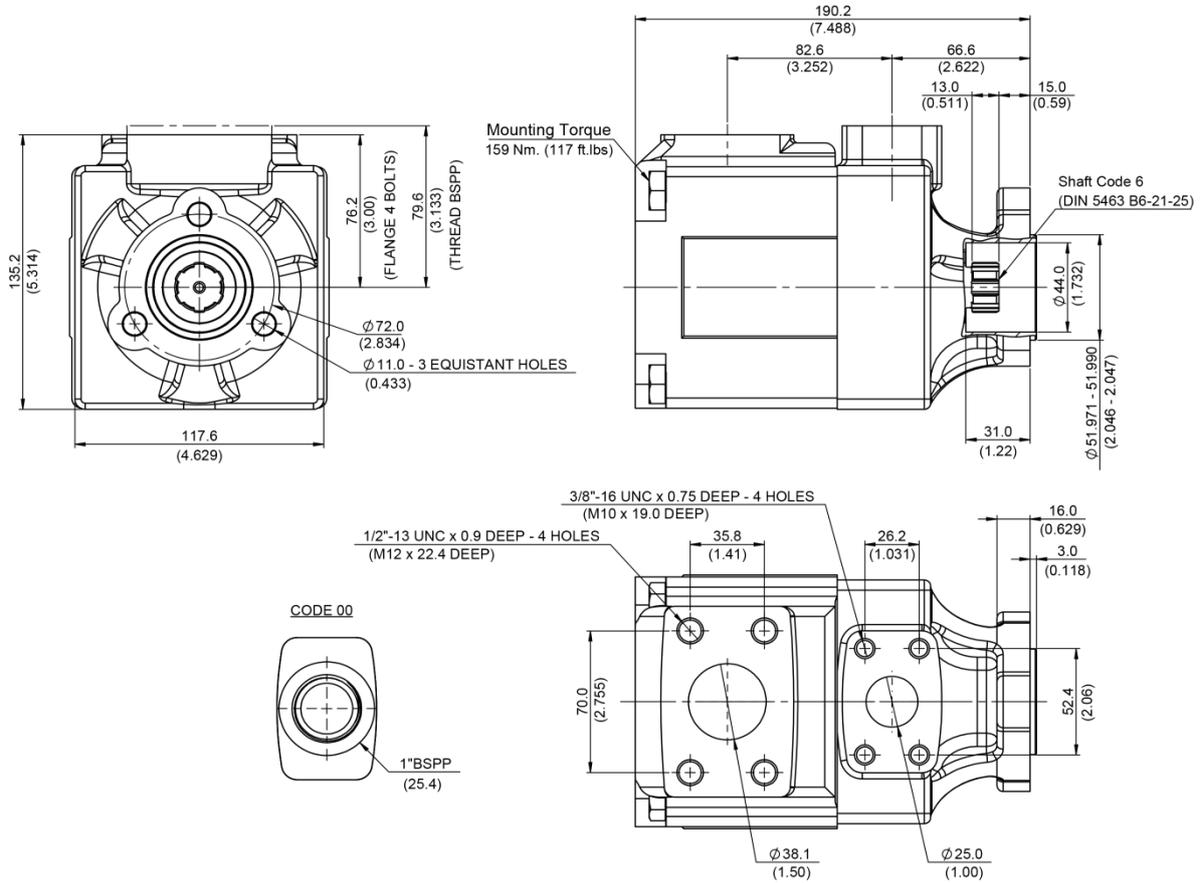


CODE 00



High Pressure Single Vane Pump HT6GC/ HT67GB/ HT6ZC (Truck Pump)

HT6ZC



High Pressure Single Vane Pump HT6GC/ HT67GB/ HT6ZC (Truck Pump)

Performance Characteristics

HT6GC, HT6ZC

OPERATING CHARACTERISTICS - TYPICAL [115 SUS]

Series	Volumetric Displacement	Speed n [R.P.M]	Flow Q [GPM]			Input power P [HP]		
			p = 0 PSI	p = 2000 PSI	p = 3500 PSI	p = 100 PSI	p = 2000 PSI	p = 3500 PSI
003	0.66 in ³ /rev	1200	3.42	-	-	1.43	-	-
		1800	5.14	3.61	-	2.11	8.45	-
005	1.05 in ³ /rev	1200	5.45	3.99	-	1.55	8.17	-
		1800	8.18	6.65	5.56	2.29	12.00	19.59
006	1.30 in ³ /rev	1200	6.75	5.22	4.13	1.62	9.69	16.13
		1800	10.13	8.60	7.51	2.40	14.28	23.57
008	1.61 in ³ /rev	1200	8.37	6.84	5.75	1.72	11.58	19.43
		1800	12.55	11.02	9.93	2.54	17.11	28.53
010	2.08 in ³ /rev	1200	10.81	9.28	8.19	1.86	14.43	24.42
		1800	16.22	14.69	13.60	2.76	21.38	36.00
012	2.26 in ³ /rev	1200	11.76	10.23	9.14	1.92	15.53	26.36
		1800	17.64	16.11	15.02	2.84	23.05	38.92
014	2.81 in ³ /rev	1200	14.58	13.05	11.96	2.08	18.83	32.12
		1800	21.88	20.35	19.26	3.09	27.99	47.56
017	3.56 in ³ /rev	1200	18.48	16.95	15.86	2.31	23.38	40.08
		1800	27.73	26.20	25.11	3.43	34.81	59.51
020	3.89 in ³ /rev	1200	20.23	18.70	17.61	2.41	25.41	43.64
		1800	30.34	28.81	27.42	3.58	37.86	64.85
022	4.29 in ³ /rev	1200	22.29	20.76	19.67	2.53	27.82	47.85
		1800	33.43	31.90	30.81	3.76	41.47	71.16
025 ¹⁾	4.84 in ³ /rev	1200	25.14	23.61	22.52	2.70	31.15	53.68
		1800	37.71	36.18	35.09	4.01	46.46	79.90
028 ¹⁾	5.42 in ³ /rev	1200	28.15	26.62	25.86 ²⁾	2.87	34.66	51.37 ²⁾
		1800	42.23	40.70	39.94 ²⁾	4.27	51.74	76.73 ²⁾
031 ¹⁾	6.10 in ³ /rev	1200	31.70	30.17	29.41 ²⁾	3.08	38.80	57.58 ²⁾
		1800	47.56	46.03	45.27 ²⁾	4.58	57.95	86.06 ²⁾

1) 25 - 28 - 31 = 2500 R.P.M. max. 2) 28 - 31 = 3000 PSI max. int.
 - Not to use because internal leakage greater than 50% theoretical flow.
 - Port connection can be furnished with metric threads.

High Pressure Single Vane Pump

HT6GC/ HT67GB/ HT6ZC (Truck Pump)

HT67GB

OPERATING CHARACTERISTICS - TYPICAL [115 SUS]

Series	Volumetric Displacement	Flow Q {GPM} & n = 1500 RPM			Input power P {HP} & n = 1500 RPM		
		p = 0 PSI	p = 2000 PSI	p = 4650 PSI	p = 0 PSI	p = 2000 PSI	p = 4650 PSI
003	0.59 in ³ /rev	3.88	3.43	2.85	0.80	5.36	11.52
004	0.78 in ³ /rev	5.07	4.62	4.04	0.80	6.70	14.74
005	0.97 in ³ /rev	6.31	5.86	5.28	0.93	8.17	18.09
006	1.20 in ³ /rev	7.84	7.39	6.81	0.93	10.05	22.25
007	1.37 in ³ /rev	8.90	8.45	7.89	1.07	11.39	25.20
008	1.51 in ³ /rev	9.88	9.43	8.84	1.07	12.46	27.74
009	1.70 in ³ /rev	11.09	10.56	10.06	1.20	13.94	31.09
010	1.94 in ³ /rev	12.60	12.15	11.57	1.20	15.68	35.12
011	2.13 in ³ /rev	13.86	13.41	12.91 ¹⁾	1.34	17.15	36.19 ¹⁾
012	2.50 in ³ /rev	16.24	15.79	15.29 ¹⁾	1.47	19.97	42.22 ¹⁾
014	2.74 in ³ /rev	17.83	17.38	16.88 ¹⁾	1.60	21.84	46.24 ¹⁾
015	3.05 in ³ /rev	19.81	19.36	18.91 ²⁾	1.74	24.26	47.85 ²⁾

1) 11 - 12 - 14 = 4350 PSI max. int. 2) 15 = 4000 PSI max. int.
 - Not to use because internal leakage greater than 50% theoretical flow.
 - Port connection can be furnished with metric threads.

High Pressure Double Vane Pump HT6GCC Series (Truck Pump)

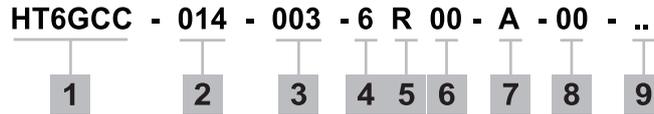
Specification

HT6GCC for Double pump

Shaft End Pump				Cover End Pump				Max. speed rpm	Weight kg (lb)
Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)	Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)		
003	10.8 (0.66)	280 (4000)	240 (3500)	003	10.8 (0.66)	280 (4000)	240 (3500)	2800	28.0 (61.6)
005	17.2 (1.05)			005	17.2 (1.05)				
006	21.3 (1.30)			006	21.3 (1.30)				
008	26.4 (1.61)			008	26.4 (1.61)				
010	34.1 (2.08)			010	34.1 (2.08)				
012	37.1 (2.26)			012	37.1 (2.26)				
014	46.0 (2.81)			014	46.0 (2.81)				
017	58.3 (3.56)			017	58.3 (3.56)				
020	63.8 (3.89)			020	63.8 (3.89)				
022	70.3 (4.29)			022	70.3 (4.29)				
025	79.3 (4.84)	210 (3000)	160 (2300)	025	79.3 (4.84)	210 (3000)	160 (2300)	2500	
028	88.8 (5.42)			028	88.8 (5.42)				
031	100.0 (6.10)			031	100.0 (6.10)				

High Pressure Double Vane Pump HT6GCC Series (Truck Pump)

Ordering Code



1. Model :

Truck Pump - HT6GCC ISO 4 bolts - 7653 (R17-102)

2. Displacement P1

Volumetric displacement cm³/rec (in³/rev)

- 003 - 10.8 (0.66)
- 005 - 17.2 (1.05)
- 006 - 21.3 (1.30)
- 008 - 26.4 (1.61)
- 010 - 34.1 (2.08)
- 012 - 37.1 (2.26)
- 014 - 46.0 (2.81)
- 017 - 58.3 (3.56)
- 020 - 63.8 (3.89)
- 022 - 70.3 (4.29)
- 025 - 79.3 (4.84)
- 028 - 88.8 (5.42)
- 031 - 100.0 (6.10)

3. Displacement P2

Volumetric displacement cm³/rec (in³/rev)

- 003 - 10.8 (0.66)
- 005 - 17.2 (1.05)
- 006 - 21.3 (1.30)
- 008 - 26.4 (1.61)
- 010 - 34.1 (2.08)
- 012 - 37.1 (2.26)
- 014 - 46.0 (2.81)
- 017 - 58.3 (3.56)
- 020 - 63.8 (3.89)
- 022 - 70.3 (4.29)
- 025 - 79.3 (4.84)
- 028 - 88.8 (5.42)
- 031 - 100.0 (6.10)

4. Type of shaft

6 - DIN 5462 Splined Shaft

5. Direction of rotation (view on shaft end)

R - Turn right
L - Turn left

6. Porting combination (see page Porting Diagrams)

00 - standard

7. Design letter

8. Port Connection (4 bolts SAE flange J518C)

00 - UNC Port Connection
M0 - Metric Port Connection

Code		4 bolt SAE flanges		
UNC	Metric	P1	P2	S
00	0M	1"	1"	3"
01	M0	1"	3/4"	3"
10	1M	1"	1"	2½"
11	M1	1"	3/4"	2½"

1) for 46 ml/rev max.

2) for 126 ml/rev max.

always select the largest cartridge in the front place. (see page Hose Size Selection Nomograph)

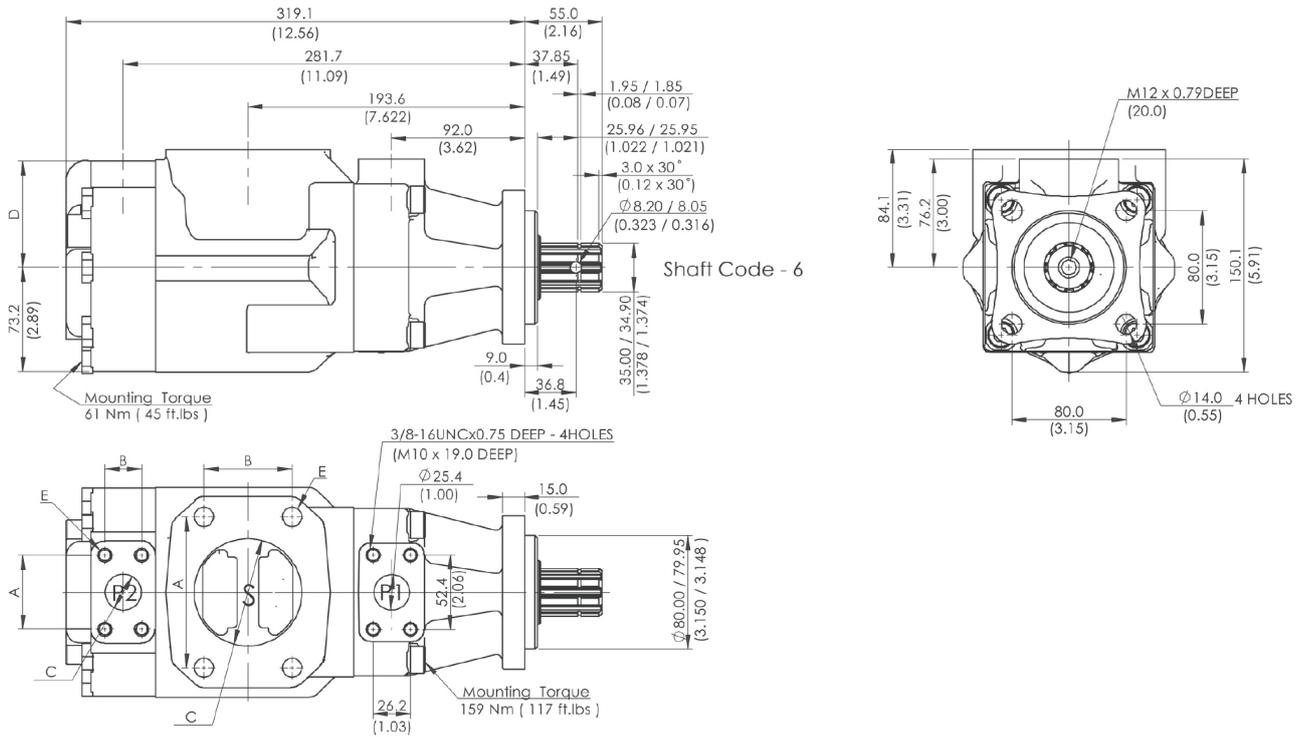
10. Modifications

Omit - Standard

718 - Surface grinding the flange face for the manifold.

High Pressure Double Vane Pump HT6GCC Series (Truck Pump)

Installation Dimension mm (inch)



Port	A	B	C	D	E
S	106.4 (4.19)	61.9 (2.44)	$\phi 76.2$ (3.00)	-	5/8" - 11 UNC x 1.12 DEEP (M16 x 28.4 DEEP)
S	88.9 (3.50)	50.8 (2.00)	$\phi 63.5$ (2.50)	-	1/2" - 13 UNC x 0.94 DEEP (M12 x 24.0 DEEP)
P2	47.7 (1.88)	22.2 (0.88)	$\phi 19.0$ (0.75)	76.2 (3.00)	3/8" - 16 UNC x 0.75 DEEP (M10 x 19.0 DEEP)
P2	52.4 (2.06)	26.2 (1.03)	$\phi 25.4$ (1.00)	74.7 (3.94)	

High Pressure Double Vane Pump HT6GCC Series (Truck Pump)

Performance Characteristics

OPERATING CHARACTERISTICS - TYPICAL [115 SUS]

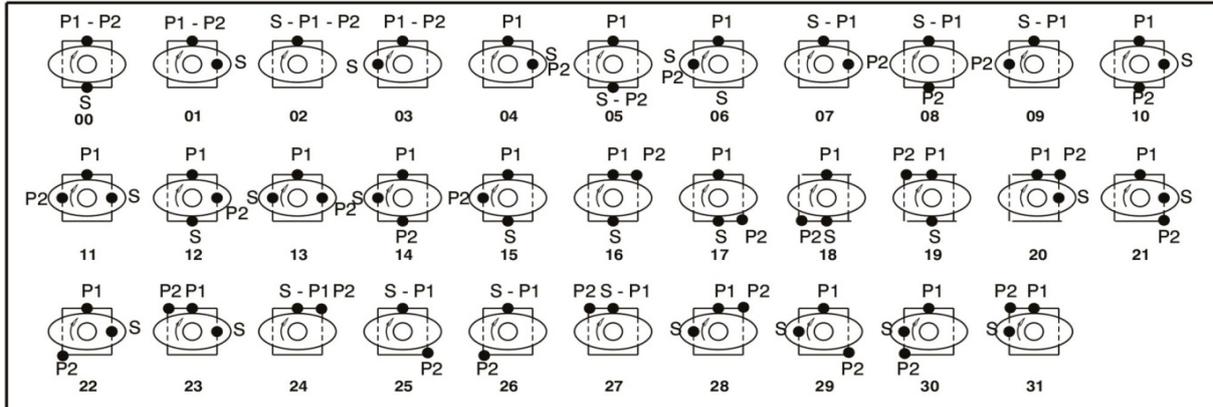
Pressure port	Series	Volumetric Displacement	Flow Q {GPM} & n = 1800 RPM			Input power P {HP} & n = 1800 RPM		
			p = 0 PSI	p = 2000 PSI	p = 3500 PSI	p = 0 PSI	p = 2000 PSI	p = 3500 PSI
P1 & P2	003	0.66 in ³ /rev	5.14	3.61	-	2.11	8.45	-
	005	1.05 in ³ /rev	8.18	6.65	5.56	2.29	12.00	19.59
	006	1.30 in ³ /rev	10.13	8.60	7.51	2.40	14.28	23.57
	008	1.61 in ³ /rev	12.55	11.02	9.93	2.54	17.11	28.53
	010	2.08 in ³ /rev	16.22	14.69	13.60	2.76	21.38	36.00
	012	2.26 in ³ /rev	17.64	16.11	15.02	2.84	23.05	38.92
	014	2.81 in ³ /rev	21.88	20.35	19.26	3.09	27.99	47.56
	017	3.56 in ³ /rev	27.73	26.20	25.11	3.43	34.81	59.51
	020	3.89 in ³ /rev	30.34	28.81	27.42	3.58	37.86	64.85
	022	4.29 in ³ /rev	33.43	31.90	30.81	3.76	41.47	71.16
	025 ¹⁾	4.84 in ³ /rev	37.71	36.18	35.09	4.01	46.46	79.90
	028 ¹⁾	5.42 in ³ /rev	42.23	40.70	39.94 ²⁾	4.27	51.74	76.73 ²⁾
	031	6.10 in ³ /rev	47.56	46.03	45.27 ²⁾	4.58	57.95	86.06 ²⁾

1) 025 - 028 - 031 = 2500 R.P.M. max. 2) 028 - 031 = 2200 PSI max. int.
 - Not to use because internal leakage greater than 50% theoretical flow.
 - Port connection can be furnished with metric threads.

High Pressure Double Vane Pump

HT6GCC/HT6CCZ Series (Truck Pump) - Porting Diagram

Porting Diagrams



High Pressure Double Vane Pump HT6CCZ Series (Truck Pump)

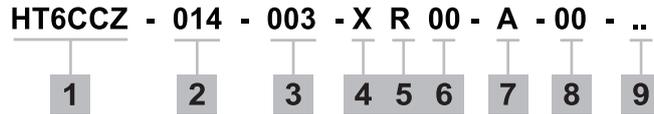
Specification

HT6CCZ for Double pump

Shaft End Pump				Cover End Pump				Max. speed rpm	Weight kg (lb)
Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)	Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)		
003	10.8 (0.66)	280 (4000)	240 (3500)	003	10.8 (0.66)	280 (4000)	240 (3500)	2800	27.0 (59.4)
005	17.2 (1.05)			005	17.2 (1.05)				
006	21.3 (1.30)			006	21.3 (1.30)				
008	26.4 (1.61)			008	26.4 (1.61)				
010	34.1 (2.08)			010	34.1 (2.08)				
012	37.1 (2.26)			012	37.1 (2.26)				
014	46.0 (2.81)			014	46.0 (2.81)				
017	58.3 (3.56)			017	58.3 (3.56)				
020	63.8 (3.89)			020	63.8 (3.89)				
022	70.3 (4.29)			022	70.3 (4.29)				
025	79.3 (4.84)			025	79.3 (4.84)				
028	88.8 (5.42)	210 (3000)	160 (2300)	028	88.8 (5.42)	210 (3000)	160 (2300)	2500	
031	100.0 (6.10)			031	100.0 (6.10)				

High Pressure Double Vane Pump HT6CCZ Series (Truck Pump)

Ordering Code



1. Model :

Truck Pump - HT6CCZ
SAE B 2 bolts mounting flange J744

2. Displacement P1

Volumetric displacement cm³/rec (in³/rev)

- 003 - 10.8 (0.66)
- 005 - 17.2 (1.05)
- 006 - 21.3 (1.30)
- 008 - 26.4 (1.61)
- 010 - 34.1 (2.08)
- 012 - 37.1 (2.26)
- 014 - 46.0 (2.81)
- 017 - 58.3 (3.56)
- 020 - 63.8 (3.89)
- 022 - 70.3 (4.29)
- 025 - 79.3 (4.84)
- 028 - 88.8 (5.42)
- 031 - 100.0 (6.10)

3. Displacement P2

Volumetric displacement cm³/rec (in³/rev)

- 003 - 10.8 (0.66)
- 005 - 17.2 (1.05)
- 006 - 21.3 (1.30)
- 008 - 26.4 (1.61)
- 010 - 34.1 (2.08)
- 012 - 37.1 (2.26)
- 014 - 46.0 (2.81)
- 017 - 58.3 (3.56)
- 020 - 63.8 (3.89)
- 022 - 70.3 (4.29)
- 025 - 79.3 (4.84)
- 028 - 88.8 (5.42)
- 031 - 100.0 (6.10)

4. Type of shaft

- X - Special Keyed Shaft
- W - Special Keyed Shaft
- V - Special Keyed Shaft
- S - DIN 5462 Splined Shaft
- Z - DIN 5462 Splined Shaft

5. Direction of rotation (view on shaft end)

- R - Turn right
- L - Turn left

6. Porting combination (see page Porting Diagrams)

- 00 - standard

7. Design letter

8. Port Connection (4 bolts SAE flange J518C)

- 00 - UNC Port Connection
- M0 - Metric Port Connection

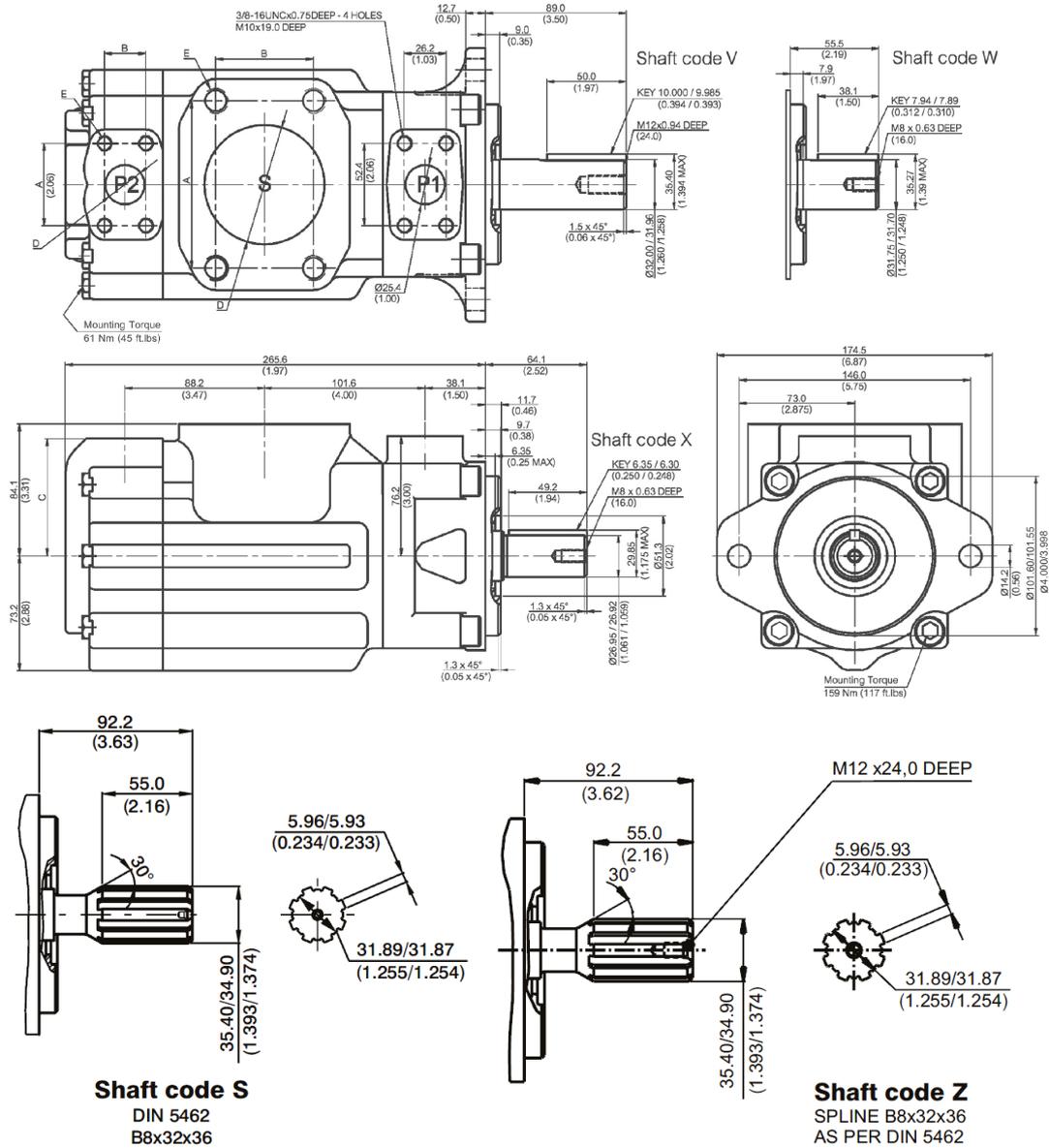
Code		4 bolt SAE flanges		
UNC	Metric	P1	P2	S
00	0M	1"	1"	3"
01	M0	1"	3/4"	3"
10	1M	1"	1"	2½"
11	M1	1"	3/4"	2½"

9. Modifications

- Omit - Standard
- 718 - Surface grinding the flange face for the manifold.

High Pressure Double Vane Pump HT6CCZ Series (Truck Pump)

Installation Dimension mm (inch)



Port	A	B	C	D	E
S	106.4 (4.19)	61.9 (2.44)	-	Ø 76.2 (3.00)	5/8" - 11 UNC x 1.12 DEEP (M16 x 28.4 DEEP)
S	88.9 (3.50)	50.8 (2.00)	-	Ø 63.5 (2.50)	1/2" - 13 UNC x 0.94 DEEP (M12 x 24.0 DEEP)
P2	47.6 (1.874)	22.2 (0.874)	76.2 (3.00)	Ø 19.0 (0.75)	3/8" - 16 UNC x 0.75 DEEP (M10 x 19.0 DEEP)
P2	52.4 (2.06)	26.2 (1.03)	74.7 (2.94)	Ø 25.4 (1.00)	

High Pressure Double Vane Pump HT6CCZ Series (Truck Pump)

Performance Characteristics

OPERATING CHARACTERISTICS - TYPICAL [115 SUS]

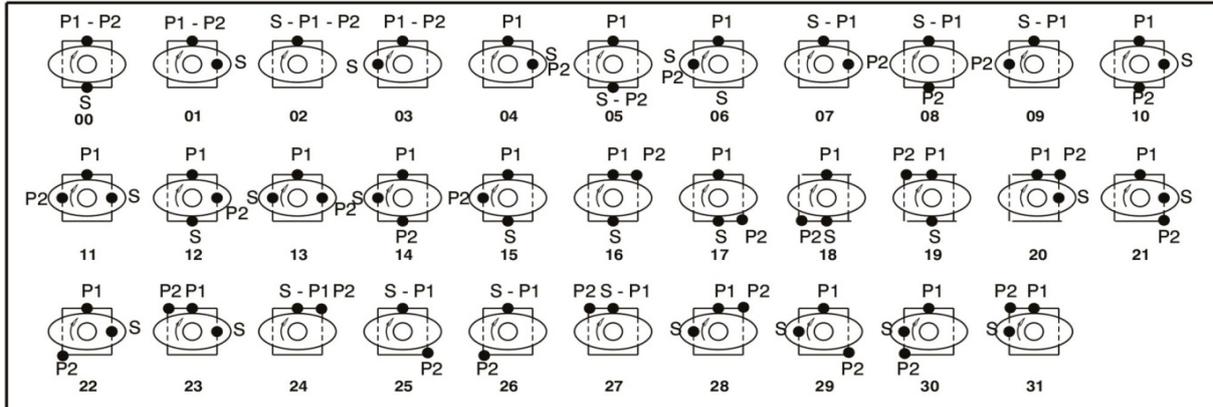
Pressure port	Series	Volumetric Displacement	Flow Q {GPM} & n = 1800 RPM			Input power P {HP} & n = 1800 RPM		
			p = 0 PSI	p = 2000 PSI	p = 3500 PSI	p = 0 PSI	p = 2000 PSI	p = 3500 PSI
P1 & P2	003	0.66 in ³ /rev	5.14	3.61	-	2.11	8.45	-
	005	1.05 in ³ /rev	8.18	6.65	5.56	2.29	12.00	19.59
	006	1.30 in ³ /rev	10.13	8.60	7.51	2.40	14.28	23.57
	008	1.61 in ³ /rev	12.55	11.02	9.93	2.54	17.11	28.53
	010	2.08 in ³ /rev	16.22	14.69	13.60	2.76	21.38	36.00
	012	2.26 in ³ /rev	17.64	16.11	15.02	2.84	23.05	38.92
	014	2.81 in ³ /rev	21.88	20.35	19.26	3.09	27.99	47.56
	017	3.56 in ³ /rev	27.73	26.20	25.11	3.43	34.81	59.51
	020	3.89 in ³ /rev	30.34	28.81	27.42	3.58	37.86	64.85
	022	4.29 in ³ /rev	33.43	31.90	30.81	3.76	41.47	71.16
	025 ¹⁾	4.84 in ³ /rev	37.71	36.18	35.09	4.01	46.46	79.90
	028 ¹⁾	5.42 in ³ /rev	42.23	40.70	39.94 ²⁾	4.27	51.74	76.73 ²⁾
	031	6.10 in ³ /rev	47.56	46.03	45.27 ²⁾	4.58	57.95	86.06 ²⁾

1) 025 - 028 - 031 = 2500 R.P.M. max. 2) 028 - 031 = 2200 PSI max. int.
 - Not to use because internal leakage greater than 50% theoretical flow.
 - Port connection can be furnished with metric threads.

High Pressure Double Vane Pump

HT6GCC/HT6CCZ Series (Truck Pump) - Porting Diagram

Porting Diagrams



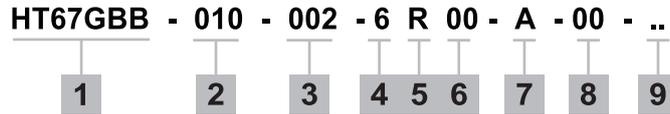
High Pressure Double Vane Pump HT67GBB Series (Truck Pump)

Specification

Shaft End Pump				Cover End Pump				Min. speed rpm	Max. speed rpm	Weight kg (lb)
Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)	Size	Displacement cm ³ /r 1(in ³ /r)	Max. Intermittent Pressure bar (psi)	Max. Continuous Pressure bar (psi)			
002	5.8 (0.35)	320 (4640)	290 (4200)	002	5.8 (0.35)	320 (4640)	290 (4200)	600	2200	28.0 (61.6)
003	9.8 (0.59)			003	9.8 (0.59)					
004	12.8 (0.78)			004	12.8 (0.78)					
005	15.9 (0.97)			005	15.9 (0.97)					
006	19.8 (1.20)			006	19.8 (1.20)					
007	22.5 (1.37)			007	22.5 (1.37)					
008	24.9 (1.51)			008	24.9 (1.51)					
009	26.0 (1.70)			009	26.0 (1.70)					
010	31.8 (1.94)			010	31.8 (1.94)					
011	35.0 (2.13)			011	35.0 (2.13)					
012	41.0 (2.50)			012	41.0 (2.50)					
014	45.0 (2.74)			014	45.0 (2.74)					
015	50.0 (3.05)	280 (4060)	240 (3500)	015	50.0 (3.05)	280 (4060)	240 (3500)			

High Pressure Double Vane Pump HT67GBB Series (Truck Pump)

Ordering Code



1. Model :

Truck Pump - HT67GBB
ISO 4 bolts - 7653 (R17-102)

2. Displacement P1

Volumetric displacement cm³/rec (in³/rev)

- 002 - 5.8 (0.35)
- 003 - 9.8 (0.60)
- 004 - 12.8 (0.78)
- 005 - 15.9 (0.97)
- 006 - 19.8 (1.20)
- 007 - 22.5 (1.37)
- 008 - 24.9 (1.51)
- 009 - 28.0 (1.70)
- 010 - 31.8 (1.92)
- 011 - 35.0 (2.14)
- 012 - 41.0 (2.47)
- 014 - 45.0 (2.70)
- 015 - 50.0 (3.01)

3. Displacement P2

Volumetric displacement cm³/rec (in³/rev)

- 002 - 5.8 (0.35)
- 003 - 9.8 (0.60)
- 004 - 12.8 (0.78)
- 005 - 15.9 (0.97)
- 006 - 19.8 (1.20)
- 007 - 22.5 (1.37)
- 008 - 24.9 (1.51)
- 009 - 28.0 (1.70)
- 010 - 31.8 (1.92)
- 011 - 35.0 (2.14)
- 012 - 41.0 (2.47)
- 014 - 45.0 (2.70)
- 015 - 50.0 (3.01)

4. Type of shaft

6 - DIN 5462 Splined Shaft

5. Direction of rotation (view on shaft end)

R - Turn right
L - Turn left

6. Porting combination (see page Porting Diagrams)

00 - standard

7. Design letter

8. Port Connection (4 bolts SAE flange J518C)

00 - UNC Port Connection
M0 - Metric Port Connection

Code		4 bolt SAE flanges		
UNC	Metric	P1	P2	S
00	0M	1"	1"	3"
01	M0	1"	3/4" ¹⁾	3"
10	1M	1"	1"	2½" ²⁾
11	M1	1"	3/4" ¹⁾	2½" ²⁾

1) for 46 ml/rev max.

2) for 126 ml/rev max.

always select the largest cartridge in the front place. (see page Hose Size Selection Nomograph)

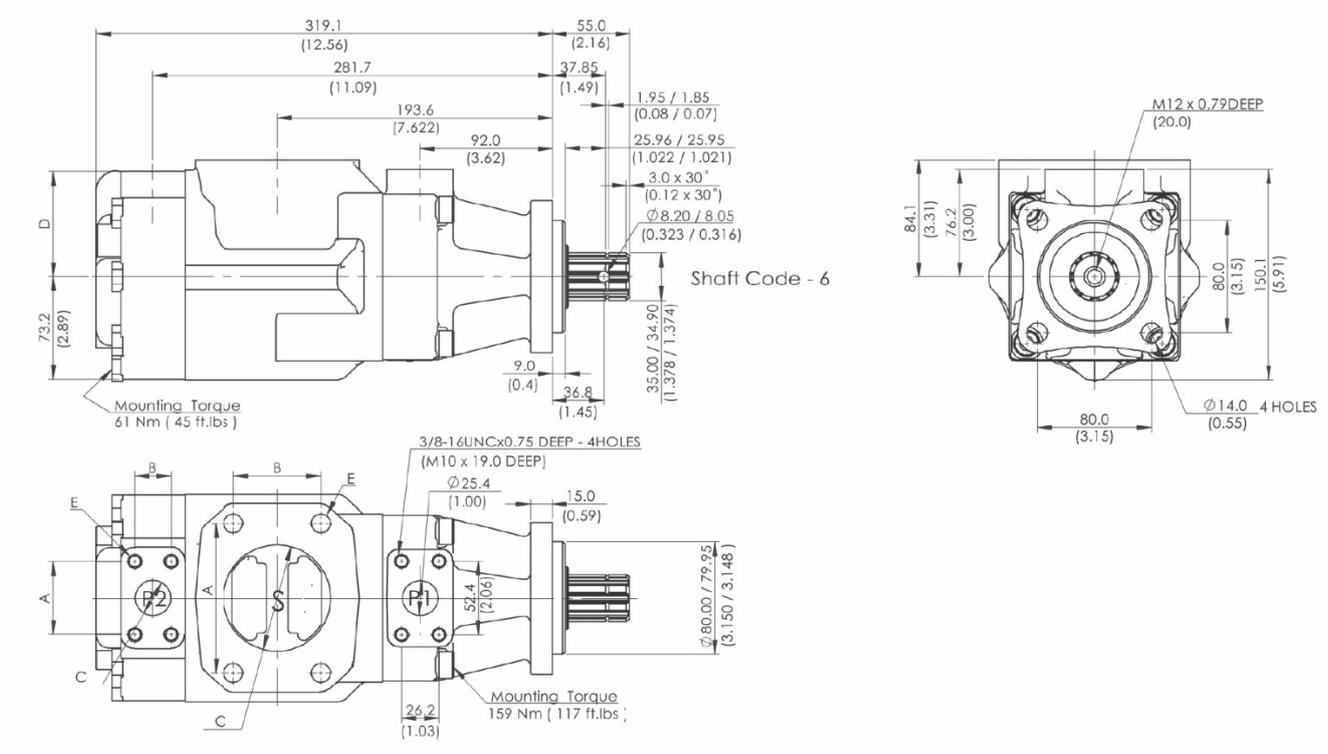
9. Modifications

Omit - Standard

718 - Surface grinding the flange face for the manifold.

High Pressure Double Vane Pump HT67GGB Series (Truck Pump)

Installation Dimension mm (inch)



Port	A	B	C	D	E
S	106.4 (4.19)	61.9 (2.44)	$\varnothing 76.2$ (3.00)	-	5/8" - 11 UNC x 1.12 DEEP (M16 x 28.4 DEEP)
S	88.9 (3.50)	50.8 (2.00)	$\varnothing 63.5$ (2.50)	-	1/2" - 13 UNC x 0.94 DEEP (M12 x 24.0 DEEP)
P2	47.7 (1.88)	22.2 (0.88)	$\varnothing 19.0$ (0.75)	76.2 (3.00)	3/8" - 16 UNC x 0.75 DEEP (M10 x 19.0 DEEP)
P2	52.4 (2.06)	26.2 (1.03)	$\varnothing 25.4$ (1.00)	74.7 (3.94)	

High Pressure Double Vane Pump HT67GBB Series (Truck Pump)

Performance Characteristics

OPERATING CHARACTERISTICS - TYPICAL [115 SUS]

Pressure port	Series	Volumetric Displacement	Flow Q {GPM} & n = 1800 RPM			Input power P {HP} & n = 1800 RPM		
			p = 0 PSI	p = 2000 PSI	p = 3500 PSI	p = 0 PSI	p = 2000 PSI	p = 3500 PSI
P1 & P2	002	0.35 in ³ /rev	2.29	1.84	1.26	0.67	3.48	7.23
	003	0.59 in ³ /rev	3.88	3.43	2.85	0.80	5.36	11.52
	004	0.78 in ³ /rev	5.07	4.62	4.04	0.80	6.70	14.74
	005	0.97 in ³ /rev	6.31	5.86	5.28	0.93	8.17	18.09
	006	1.20 in ³ /rev	7.84	7.39	6.81	0.93	10.05	22.25
	007	1.37 in ³ /rev	8.90	8.45	7.89	1.07	11.39	25.20
	008	1.51 in ³ /rev	9.88	9.43	8.84	1.07	12.46	27.74
	009	1.70 in ³ /rev	11.09	10.56	10.06	1.20	13.94	31.09
	010	1.94 in ³ /rev	12.60	12.15	11.57	1.20	15.68	35.12
	011	2.13 in ³ /rev	13.86	13.41	12.91 ¹⁾	1.34	17.15	36.19 ¹⁾
	012	2.50 in ³ /rev	16.24	15.79	15.29 ¹⁾	1.47	19.97	42.22 ¹⁾
	014	2.74 in ³ /rev	17.83	17.38	16.88 ²⁾	1.60	21.84	46.24 ¹⁾
	015	3.05 in ³ /rev	19.81	19.36	18.91 ²⁾	1.74	24.26	47.85 ²⁾

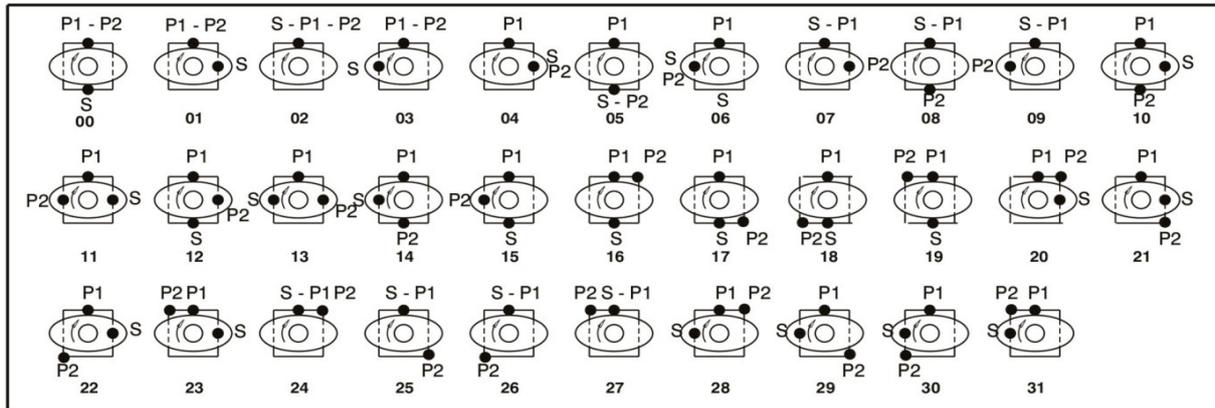
1) 011 - 012 - 014 = 4350 PSI max. int. 2) 015 = 4000 PSI max. int.

- Not to use because internal leakage greater than 50% theoretical flow.

- Port connection can be furnished with metric threads.

High Pressure Double Vane Pump HT67GBB Series (Truck Pump)

Porting Diagrams



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