










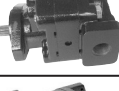



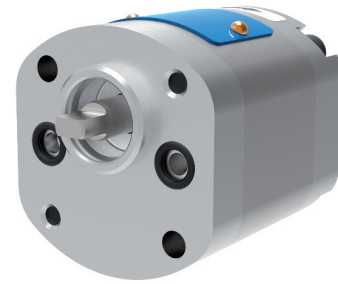
BASIC PARAMETERS OF GEAR PUMPS AND MOTORS

SERIES	Nominal displacement range	Nominal flow range at 1500 rpm	Max	Min	Max. continuous pressure on the outlet / inlet port	Max. pressure on the outlet / inlet port	GEAR PUMPS							GEAR MOTORS					
							Rotation		Bi-directional external drainage	Bi-directional internal drainage	Front end bearing	Multisection version	Sealed sections	Rotation		Bi-directional external drainage	Bi-directional internal drainage	Front end bearing	
							CCW	CW						CCW	CW				
[cm ³]	[dm ³ .min ⁻¹]	[rpm]	[rpm]	[bar]	[bar]														
X 	0.18 - 3.20	0.19 - 4.45	8000	600	230	250													
P 23 	0.80 - 11.80	1.07 - 16.30	5000	500	280	300													
J 	2.00 - 18.00	2.70 - 24.80	4000	500	280	300													
T3 	4.00 - 31.00	4.95 - 44.80	4000	500	280	290													
T3 T 	9.00 - 27.00	12.33 - 37.03	3200	500	240	250													
UD 	5.00 - 39.00	6.60 - 58.50	3200	400	280	300													
Q2 	10.00 - 100.00	14.10 - 139.50	3200	350	290	310													
QHD 0 	7.00 - 56.00	9.90 - 80.60	3400	350	240	260													
QHD 1 	10.00 - 100.00	14.10 - 139.50	3200	300	300	320													
QHD 2 	43.00 - 150.00	64.00 - 212.50	3200	250	280	300													
GHD 0 	10.00 - 36.00	14.00 - 51.30	3400	350	300	320													
GHD 1 	17.00 - 71.00	23.50 - 100.10	3200	350	300	320													
GHD 2 	51.00 - 150.00	62.90 - 212.50	3200	350	280	290													

01_2018

FEATURES:

- Displacement from 0.18 to 3.20 ccm/rev
(from 0.01 to 0.19 in³/rev)
- Compact three piece design
- Bi-directional versions available
- Aluminium body design

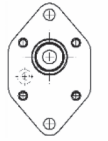
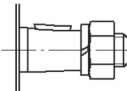


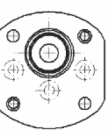
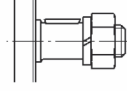


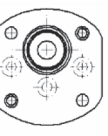
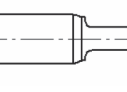




Technical parameters:

X SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
X 0.18	0.18	0.01	0.19	0.05	200	2 901	250	3 626	1 000	8 000
X 0.32	0.33	0.02	0.40	0.11	230	3 336	250	3 626	1 000	7 000
X 0.40	0.41	0.02	0.50	0.13	230	3 336	250	3 626	1 000	7 000
X 0.50	0.50	0.03	0.65	0.17	230	3 336	250	3 626	1 000	6 000
X 0.63	0.63	0.04	0.85	0.22	220	3 191	240	3 481	1 000	6 000
X 0.80	0.80	0.05	1.05	0.28	220	3 191	240	3 481	1 000	6 000
X 1.00	1.00	0.06	1.35	0.36	200	2 901	220	3 191	800	5 000
X 1.25	1.26	0.08	1.70	0.45	200	2 901	220	3 191	800	4 000
X 1.50	1.51	0.09	2.00	0.53	160	2 321	180	2 611	800	3 000
X 3.20	3.19	0.19	4.45	1.17	60	870	70	1 015	500	1 800

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description
R01		Flange with two bolts M6 centre ring Ø 22 mm	C01		Taper 1:8 Woodruff key 2x2.6 mm	D01		Inlet/Outlet in the Flange
						D02		Inlet/Outlet in the Flange
A01		Flange with two bolts M5 centre ring Ø 22 mm spacing 32x32 mm	V01		Cylindric Woodruff key 2x2.6 mm	P01		Inlet/outlet in the Cover
						K01		Thread M10x1
A02		Flange with two bolts M5 centre ring Ø 22 mm spacing 30x32 mm	K02		Cross coupling	G01		Thread BSP G 1/4
						G02		Thread BSP G 3/8

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 0.8 to 11.8 ccm/rev (from 0.05 to 0.72 in³/rev)
- Compact three piece design
- Bi-directional and multiple versions available
- Aluminium body design

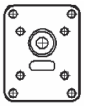



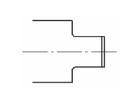

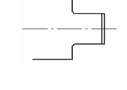

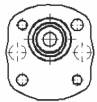
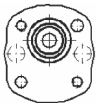
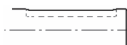

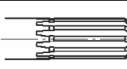



Technical parameters:

P23 SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
P23 0.8	0.86	0.05	1.07	0.28	280	4 061	300	4 351	800	5 000
P23 1.2	1.26	0.08	1.60	0.42	280	4 061	300	4 351	800	5 000
P23 1.6	1.69	0.10	2.13	0.56	280	4 061	300	4 351	600	4 500
P23 2.1	2.09	0.13	2.71	0.72	280	4 061	300	4 351	600	4 500
P23 2.5	2.51	0.15	3.35	0.88	280	4 061	300	4 351	500	4 000
P23 3.3	3.32	0.20	4.54	1.20	280	4 061	300	4 351	500	4 000
P23 4.4	4.39	0.27	6.06	1.60	250	3 626	270	3 916	500	4 000
P23 6.2	6.21	0.38	8.56	2.26	180	2 611	200	2 901	500	3 500
P23 7.9	7.89	0.48	10.90	2.88	160	2 321	180	2 611	500	3 000
P23 11.8	11.80	0.72	16.30	4.30	100	1 450	150	2 176	500	1 800

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description
R02		Rectangular flange, centre ring Ø 25.4 mm spacing screw 52.4x71.9 mm	C03		Traper 1:8 Key 2.4 x 5 Ø 13	M02		Thread M12x1.5
			C04		Traper 1:5 Key 2 x 2.6 - D7	M03		Thread 14x1.5
			K03		Cross coupling (shorter shaft)	M05		Thread M18x1.5
M06	Thread M20x1.5							
S01		SAE A-A	K04		Cross coupling (longer shaft)	G01		Thread BSP G1/4
A03		Flange with through bolts centre ring Ø 32 mm with O-ring (deep centre ring 7)				G02		Thread BSP G3/8
			G03	Thread BSP G1/2				
A04		Flange with through bolts centre ring Ø 32 mm with O-ring (deep centre ring 8)	V03		Cylindric Key 3.2 x 3.2 x 19.4	H01		Flanged fitting Ø 8 mm Square 4 x M5 Ø 26 mm
			D01		Involute spline	H02		Flanged fitting Ø 10 mm Square 4 x M5 Ø 26 mm
						H03		Flanged fitting Ø 8 mm Square 4 x M6 Ø 30 mm
						H04		Flanged fitting Ø 12 mm Square 4 x M6 Ø 30 mm
						P01		Inlet/Outlet in the flange

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 2 to 15 ccm/rev (from 0.12 to 0.92 in³/rev)
- Compact three piece design
- Bi-directional and multiple versions available
- Aluminium body design

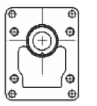
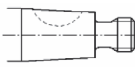

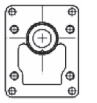
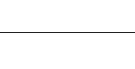

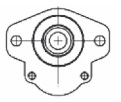
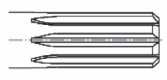

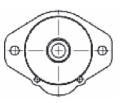
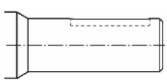

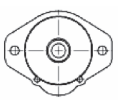
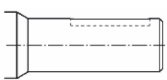



Technical parameters:

J SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
J 2	2.00	0.12	2.68	0.71	280	4 061	300	4 351	500	4 000
J 3	3.01	0.18	4.07	1.07	280	4 061	300	4 351	500	4 000
J 4	4.01	0.24	5.43	1.43	280	4 061	300	4 351	500	4 000
J 5	5.01	0.31	7.01	1.85	280	4 061	300	4 351	500	4 000
J 6	6.02	0.37	8.37	2.21	280	4 061	300	4 351	500	3 600
J 7	7.02	0.43	9.73	2.57	280	4 061	300	4 351	500	3 500
J 8	8.02	0.49	11.08	2.93	280	4 061	300	4 351	500	3 100
J 10	10.03	0.61	13.80	3.64	250	3 626	270	3 916	500	2 800
J 12	12.03	0.73	16.49	4.35	220	3 191	240	3 481	500	2 400
J 15	15.01	0.92	20.60	5.44	190	2 756	210	3 046	500	2 200

* Others on request.

Common connection alternatives:

CODE	Flange	Description	Code	Shaft	Description	Code	Inlet-Outlet	Description
R03		Rectangular flange, centre ring Ø 30 mm	C05		Traper 1:8 Key width 3 mm	G01		Thread BSP G1/4
						G02		Thread BSP G3/8
R05		Rectangular flange, centre ring Ø 36.5 mm	C06		Traper 1:8 Key width 2.4 mm	G03		Thread BSP G1/2
						G04		Thread BSP G3/4
S01		SAE AA, centre ring Ø 50.8 mm	D04		Spline 16/32 -30° SAE 9T, l = 32	U02		Thread 9/16-18 UNF-2B
						U03		Thread 3/4-16 UNF-2B
S02		SAE A, centre ring Ø 82.5 mm	V07		Cylindric Ø12.7 mm Key 3.18 mm, L=27 mm	H03		Flanged fitting Ø 10 mm Square 4 x M6 Ø 30 mm
						H04		Flanged fitting Ø 12 mm Square 4 x M6 Ø 30 mm
S02		SAE A, centre ring Ø 82.5 mm	V09		Cylindric Ø15.88 mm Key 3.97 mm, L=32mm	H05		Flanged fitting Ø 15 mm Square 4 x M6 Ø 35 mm
						H06		Flanged fitting Ø 20 mm Square 4 x M6 Ø 40 mm

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 4 to 31 ccm/rev (from 0.25 to 1.90 in³/rev)
- Multiple, bi-directional and special shortened versions available
- Aluminium body design


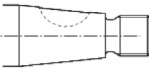


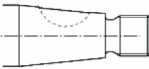

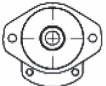
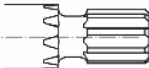





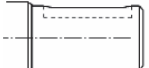


Technical parameters:

T3 SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
T3 4	4.03	0.25	5.40	1.43	280	4 061	290	4 206	500	4 000
T3 6	6.02	0.37	8.10	2.14	280	4 061	290	4 206	500	4 000
T3 8	8.05	0.49	11.04	2.91	280	4 061	290	4 206	500	3 600
T3 10	10.07	0.61	13.39	3.53	280	4 061	290	4 206	500	3 600
T3 12	12.08	0.74	16.56	4.37	260	3 771	280	4 061	500	3 600
T3 14	14.12	0.86	19.07	5.03	260	3 771	280	4 061	500	3 400
T3 16	16.10	0.98	22.56	5.96	260	3 771	280	4 061	500	3 200
T3 20	20.12	1.23	28.20	7.44	240	3 481	250	3 626	500	3 200
T3 25	25.16	1.53	35.25	9.31	200	2 901	220	3 191	500	2 800
T3 31	31.21	1.90	43.71	11.54	150	2 176	170	2 466	500	2 200

* Others on request.

Common connection alternatives:

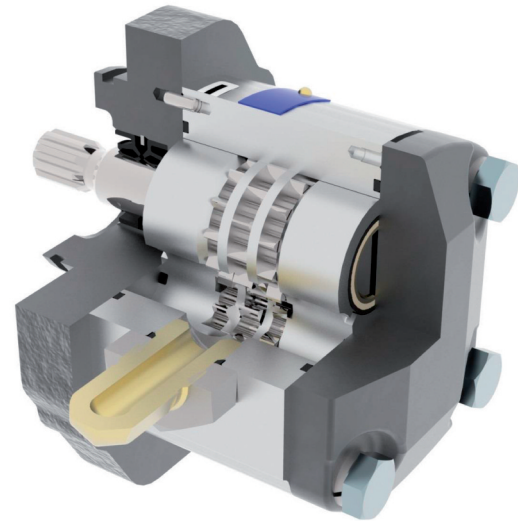
CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description
R05		Rectangular flange, centre ring Ø 36.5 mm	C07		Taper 1:8 Key width 3.0 mm	G03		Thread BSP G1/2
			C08		Taper 1:8 Key width 3.2 mm	G04		Thread BSP G3/4
R06		Rectangular flange, centre ring Ø 80 mm	C09		Taper 1:8 Key width 4.0 mm	G05		Thread BSP G1
			C10		Taper 1:5 Key width 3.0 mm	U04		Thread 7/8-14 UNF-2B
S02		SAE A	D04		Spline SAE 9T 16/32 DP	U05		Thread 1-1/16-12 UNF-2B
			D06		Spline SAE 11T1 = 32, 16/32 DP	H05		Flanged fitting Ø15 mm Square 4x M6 Ø35 mm
A07		Flange with throughbolts, centre ring Ø 50 mm	K07		Cross coupling	H06		Flanged fitting Ø20 mm Square 4x M6 Ø40 mm
A09		Flange with throughbolts, centre ring Ø 52 mm with O-ring	V09		Cylindric Ø5/8" Key 4.0 x 4.0	H07		Flanged fitting Ø13.5 mm Square 4x M6 Ø30 mm
			V12		Cylindric Ø3/4" Key 4.8 x 4.8	H08	Flanged fitting Ø20 mm Square 4x M8 Ø40 mm	

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

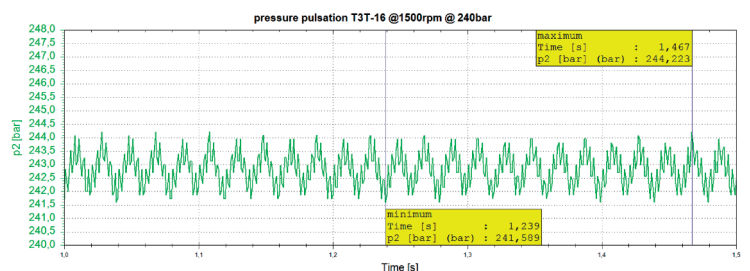
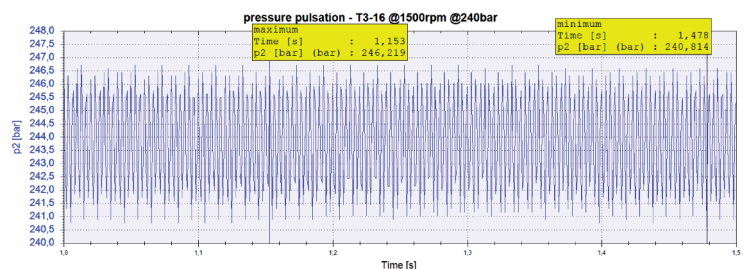
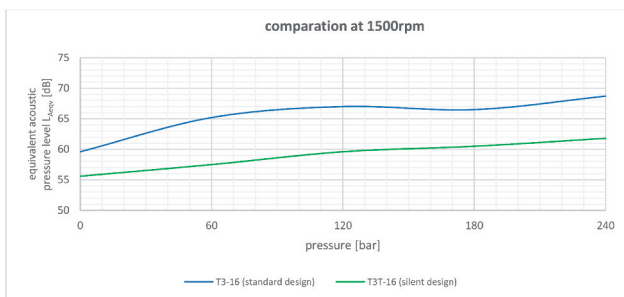
- Displacement from 9 to 27 ccm/rev
- Low noise
- Low pulsations
- Multiple versions available
- Aluminium - cast iron body design



Parameter table:

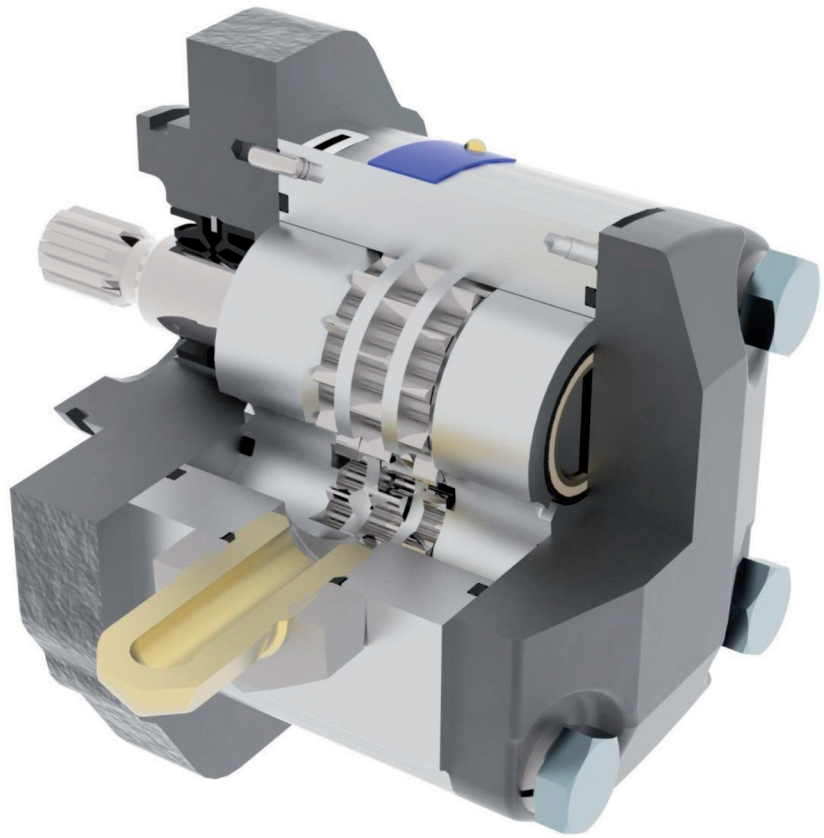
Nominal Size Parameters			Sym.	Unit.	T3T 9	T3T 10	T3T 12	T3T 15	T3T 16	T3T 18	T3T 21	T3T 24	T3T 27
Actual displacement			V _g	[cm ³]	9.03	10.03	12.05	15.08	16.08	18.10	21.10	24.05	27.13
Rotation speed	nominal	n _n	[min ⁻¹]	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
	minimum	n _{min}	[min ⁻¹]	500	500	500	500	500	500	500	500	500	500
	maximum	n _{max}	[min ⁻¹]	2800	2800	3200	3200	3200	2800	2200	2000	1900	
Pressure at inlet	minimum	p _{1min}	[bar]	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
	maximum	p _{1max}	[bar]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Pressure at outlet	max. continuous	p _{2n}	[bar]	240	240	240	240	240	240	240	220	200	160
	maximum	p _{2max}	[bar]	250	250	250	250	250	250	250	225	210	170
	peak	p ₃	[bar]	260	260	260	260	260	260	260	230	220	180
Nominal flow rate (min.) at n _n and p _{2n}			Q _n	[dm ³ .min ⁻¹]	12.33	13.69	16.63	20.81	22.19	24.98	29.12	32.83	37.03
Maximum flow rate at n _{max} a p _{2max}			Q _{max}	[dm ³ .min ⁻¹]	23.01	25.56	35.48	44.40	47.34	46.63	42.71	43.77	46.91
Nominal input power (max.) at n _n and p _{2n}			P _n	[kW]	7.08	7.87	9.45	11.83	12.61	14.20	15.17	15.72	14.19
Maximum input power at n _{max} a p _{2max}			P _{max}	[kW]	13.77	15.30	21.00	26.28	28.03	27.60	22.75	22.01	19.09
Weight			m	[kg]	3.05	3.10	3.25	3.40	3.45	3.55	3.70	3.85	4.00

Comparison of acoustic pressure and pressure pulsation between T3-16 (standard design) and T3T (Silent design)



FEATURES:

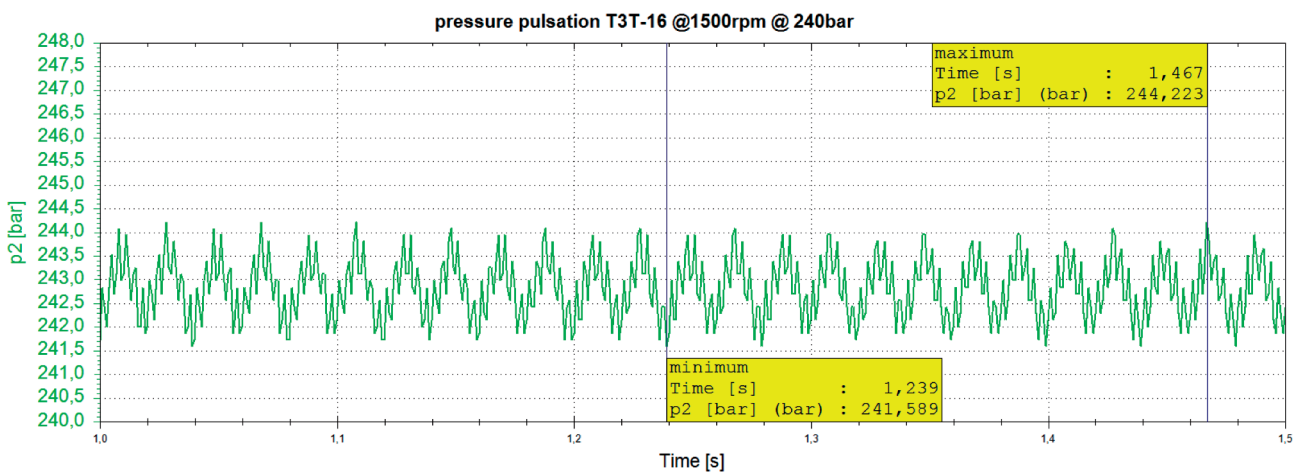
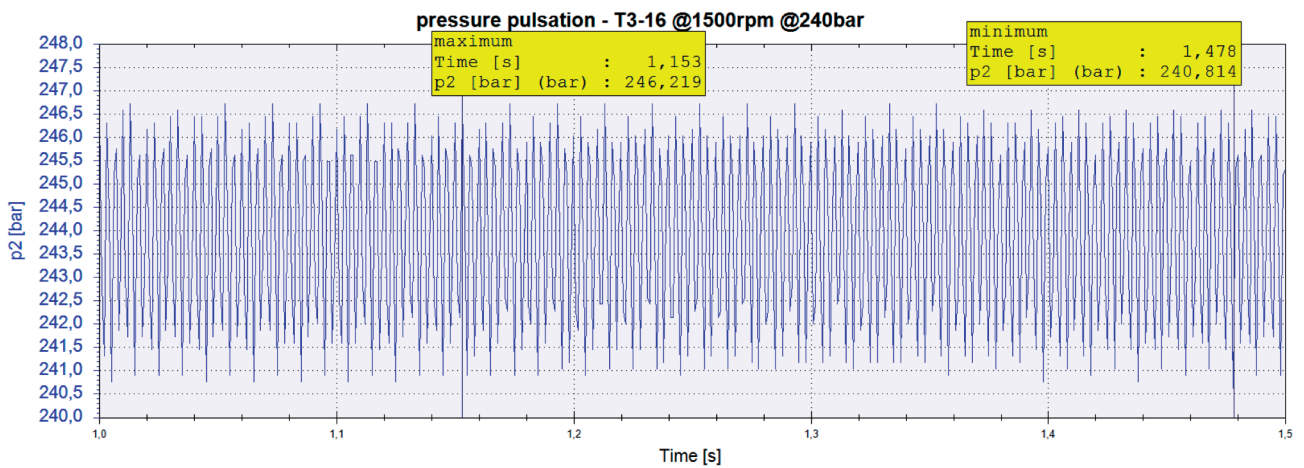
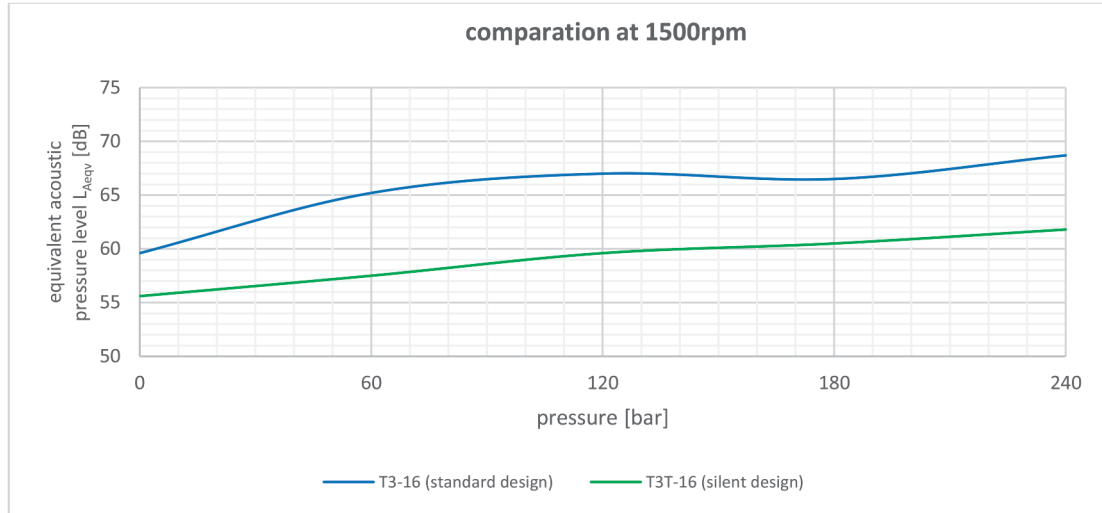
- Displacement from 9 to 27 ccm/rev
- Low noise
- Low pulsations
- Multiple versions available
- Aluminium - cast iron body design



Parameter table:

Nominal Size Parameters		Sym.	Unit.	T3T 9	T3T 10	T3T 12	T3T 15	T3T 16	T3T 18	T3T 21	T3T 24	T3T 27
Actual displacement		V_g	[cm ³]	9.03	10.03	12.05	15.08	16.08	18.10	21.10	24.05	27.13
Rotation speed	nominal	n_n	[min ⁻¹]	1500	1500	1500	1500	1500	1500	1500	1500	1500
	minimum	n_{min}	[min ⁻¹]	500	500	500	500	500	500	500	500	500
	maximum	n_{max}	[min ⁻¹]	2800	2800	3200	3200	3200	2800	2200	2000	1900
Pressure at inlet	minimum	p_{1min}	[bar]	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
	maximum	p_{1max}	[bar]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Pressure at outlet	max. continuous	p_{2n}	[bar]	240	240	240	240	240	240	220	200	160
	maximum	p_{2max}	[bar]	250	250	250	250	250	250	225	210	170
	peak	p_3	[bar]	260	260	260	260	260	260	230	220	180
Nominal flow rate (min.) at n_n and p_{2n}		Q_n	[dm ³ .min ⁻¹]	12.33	13.69	16.63	20.81	22.19	24.98	29.12	32.83	37.03
Maximum flow rate at n_{max} a p_{2max}		Q_{max}	[dm ³ .min ⁻¹]	23.01	25.56	35.48	44.40	47.34	46.63	42.71	43.77	46.91
Nominal input power (max.) at n_n and p_{2n}		P_n	[kW]	7.08	7.87	9.45	11.83	12.61	14.20	15.17	15.72	14.19
Maximum input power at n_{max} a p_{2max}		P_{max}	[kW]	13.77	15.30	21.00	26.28	28.03	27.60	22.75	22.01	19.09
Weight		m	[kg]	3.05	3.10	3.25	3.40	3.45	3.55	3.70	3.85	4.00

Comparison of acoustic pressure and pressure pulsation between T3-16 (standard design) and T3T (Silent design)



FEATURES:

- Displacement from 5 to 39 ccm/rev (from 0.31 to 2.44 in³/rev)
- Bi-directional and multiple versions available
- Aluminium body design

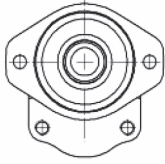
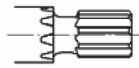








Technical parameters:

UD SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
UD 5	5.01	0.31	6.60	1.74	250	3 626	300	4 351	600	3 200
UD 8	7.93	0.48	10.70	2.82	250	3 626	300	4 351	600	3 200
UD 10	10.02	0.61	13.60	3.59	250	3 626	300	4 351	450	3 200
UD 12.5	12.10	0.74	16.40	4.33	250	3 626	300	4 351	450	3 200
UD 16	16.28	0.99	22.00	5.81	250	3 626	290	4 206	450	3 200
UDD 20	20.45	1.25	28.00	7.39	250	3 626	270	3 916	450	3 200
UDD 25	25.46	1.55	35.10	9.27	250	3 626	260	3 771	450	3 200
UDD 28	28.38	1.73	39.10	10.32	240	3 481	260	3 771	450	3 000
UDD 34	34.23	2.09	46.50	12.28	190	2 756	200	2 901	450	2 500
UDD 39	40.07	2.44	54.10	14.28	160	2 321	170	2 466	400	1 800

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description
S02		SAE A, centre ring Ø 82.55 mm, 2 apertures, spacing 106.4 mm	D06		Spline SAE 11 T	G03		Thread BSP G1/2
						G04		Thread BSP G3/4
						G05		Thread BSP G1
						G06		Thread BSP G1 1/4
S03		SAE B, centre ring Ø 101.60 mm, 2 apertures, spacing 146.0 mm	D13		Spline SAE 7/8"	H05		Flanged fitting Ø15 mm Square 4x M6 Ø35 mm
						H06		Flanged fitting Ø20 mm Square 4x M6 Ø40 mm
						H08		Flanged fitting Ø13.5 mm Square 4x M6 Ø30 mm
			H11	Flanged fitting Ø26 mm Square 4x M10 Ø51 mm				
			V13		Cylindric	E02		
E03	Flanged fitting 1"							
E04	Flanged fitting 1 1/4"							

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 10 to 100 ccm/rev (from 0.62 to 6.10 in³/rev)
- Bi-directional and Multiple versions available
- Aluminium body design




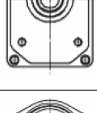
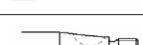
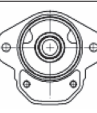

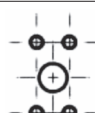
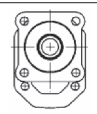

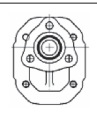
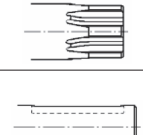
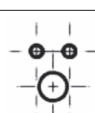


Technical parameters:

Q2 SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
Q2 10	10.14	0.62	14.10	3.72	270	3 916	290	4 206	400	3 200
Q2 17	17.39	1.06	24.20	6.39	290	4 206	310	4 496	350	3 200
Q2 27	27.53	1.68	38.40	10.14	290	4 206	310	4 496	350	3 200
Q2 34	34.05	2.08	47.50	12.54	290	4 206	310	4 496	350	3 000
Q2 43	43.47	2.65	60.60	16.00	280	4 061	300	4 351	350	2 500
Q2 51	51.44	3.14	71.80	18.96	270	3 916	290	4 206	350	2 500
Q2 61	61.59	3.76	85.90	22.68	250	3 626	270	3 916	350	2 000
Q2 71	71.01	4.33	99.00	26.14	230	3 336	250	3 626	350	1 800
Q2 82	81.87	4.99	114.20	30.15	200	2 901	220	3 191	350	1 800
Q2 100	99.98	6.10	139.50	36.83	180	2 611	200	2 901	350	1 800

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description	
R11		Rectangular flange, centre ring Ø 50.8 mm spacing 98.5 x 128 mm	C11		Taper 1:8	G03		Thread BSP G 1/2	
						G04		Thread BSP G 3/4	
R13		Rectangular flange, centre ring Ø105 mm spacing 102.5x145 mm	C12		Taper 1:5	G05		Thread BSP G 1	
						G06		Thread BSP G 1 1/4	
S03		SAE B - 2 apertures	D13		Spline SAE 13 T	H08			Flanged fitting Square 4x M8 Ø 40 mm
						H09			Flanged fitting Ø 18 mm Square 4x M8 Ø 55 mm
I01		ISO, centre ring Ø 80 mm front end bearing	D15		Spline SAE 15 T	H10	Flanged fitting Ø 25 mm Square 4x M8 Ø 55 mm		
						H11	Flanged fitting Square 4x M10 Ø 51 mm		
U01		UNI	V14		Cylindric SAE Ø22.22 mm	E02			Flanged fitting 3/4"
						E03		Flanged fitting 1"	
						E04		Flanged fitting 1 1/4"	
						E05		Flanged fitting 1 1/2"	

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 7 to 56 ccm/rev
(from 0.428 to 3.424 in³/rev)
- Robust cast iron design
- Multiple bi-directional versions available




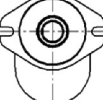
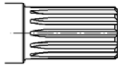







Technical parameters:

NOMINAL SIZE PARAMETERS		Sym.	Unit.	QHDO 7	QHDO 10	QHDO 13	QHDO 17	QHDO 19	QHDO 23	QHDO 27	QHDO 29
Actual displacement		V _g	[cm ³]	7.21	9.71	12.90	17.30	19.40	23.00	27.50	29.60
Rotation speed	nominal	n _n	[min ⁻¹]	1500	1500	1500	1500	1500	1500	1500	1500
	minimum	n _{min}	[min ⁻¹]	400	400	400	350	350	350	350	350
	maximum	n _{max}	[min ⁻¹]	3400	3400	3400	3400	3400	3400	3400	3300
Pressure at inlet	minimum	p _{1min}	[bar]	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3
	maximum	p _{1max}	[bar]	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Pressure at outlet	max. continuous	p _{2n}	[bar]	240	240	240	240	235	235	230	230
	maximum	p _{2max}	[bar]	260	260	260	260	255	255	250	250
	peak	p ₃	[bar]	270	270	270	270	265	265	260	260
Nominal flow rate (min.) at n _n and p _{2n}		Q _n	[dm ³ .min ⁻¹]	9.9	13.5	18.1	24.4	27.4	32.4	38.8	41.8
Maximum flow rate at n _{max} a p _{2max}		Q _{max}	[dm ³ .min ⁻¹]	22.6	30.7	41.1	55.3	62.0	73.3	88.0	91.9
Nominal input power (max.) at n _n and p _{2n}		P _n	[kW]	5.3	7.0	9.2	12.4	13.6	16.1	18.9	20.3
Maximum input power at n _{max} a p _{2max}		P _{max}	[kW]	13.0	17.2	22.5	30.4	33.4	39.5	46.4	48.5

NOMINAL SIZE PARAMETERS		Sym.	Unit.	QHDO 32	QHDO 36	QHDO 38	QHDO 41	QHDO 44	QHDO 51	QHDO 56
Actual displacement		V _g	[cm ³]	32.7	36.7	38.8	41.8	45.0	52.1	57.2
Rotation speed	nominal	n _n	[min ⁻¹]	1500	1500	1500	1500	1500	1500	1500
	minimum	n _{min}	[min ⁻¹]	350	350	350	350	350	350	350
	maximum	n _{max}	[min ⁻¹]	3200	3100	3000	2900	2800	2500	2400
Pressure at inlet	minimum	p _{1min}	[bar]	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3
	maximum	p _{1max}	[bar]	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Pressure at outlet	max. continuous	p _{2n}	[bar]	220	220	215	215	210	210	200
	maximum	p _{2max}	[bar]	240	240	235	235	230	230	220
	peak	p ₃	[bar]	250	250	245	245	240	240	230
Nominal flow rate (min.) at n _n and p _{2n}		Q _n	[dm ³ .min ⁻¹]	46.1	51.8	54.7	59.0	63.4	73.4	80.6
Maximum flow rate at n _{max} a p _{2max}		Q _{max}	[dm ³ .min ⁻¹]	98.2	107.0	109.5	114.1	118.4	122.4	129.0
Nominal input power (max.) at n _n and p _{2n}		P _n	[kW]	21.4	24.0	24.8	26.8	28.1	32.5	34.0
Maximum input power at n _{max} a p _{2max}		P _{max}	[kW]	49.8	54.2	54.3	56.6	57.5	59.4	59.9

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description
R11		Square centre ring Ø 50.8 mm spacing 98.5 x 128 mm	C11		Taper 1:8	M07		Thread M22x1.5
						M08		Thread M27x1.5
						M09		Thread M27x2
						M11		Thread M33x1.5
						M12		Thread M33x2
S02		SAE A 2 apertures	D13		Spline SAE B 13T	G03		Thread BSP G1/2
						G04		Thread BSP G3/4
			D15	Spline SAE BB 15T	G05	Thread BSP G1		
S03		SAE B 2 apertures	V17		Cylindric SAE B Ø22.22 mm Key 6.4x6.4x25.4mm	U03		Thread 3/4-16 UNF
						U04		Thread 7/8-14 UNF
						U05		Thread 1-1/16-12 UN
						U07		Thread 1-5/16-12 UN
						E02		Fitting SAE (SSM) 3/4"
					E03	Fitting SAE (SSM) 1"		
					E04	Fitting SAE (SSM) 1 1/4"		

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

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GPS 48°49'51.748"N 14°27'40.770"E

FEATURES:

- Displacement from 10 to 100 ccm/rev (from 0.62 to 6.10 in³/rev)
- Bi-directional version available
- Two piece cast iron design





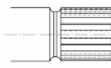





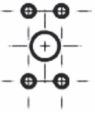


Technical parameters:

QHD1 SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
QHD1 10	10.11	0.62	13.70	3.62	290	4 206	310	4 496	350	3 200
QHD1 17	17.24	1.05	23.20	6.12	290	4 206	310	4 496	350	3 200
QHD1 27	27.35	1.67	37.00	9.77	290	4 206	310	4 496	350	3 200
QHD1 34	34.05	2.08	47.50	12.54	280	4 061	300	4 351	350	3 000
QHD1 43	43.47	2.65	60.60	16.00	260	3 771	280	4 061	350	2 800
QHD1 51	51.44	3.14	71.80	18.96	250	3 626	270	3 916	350	2 600
QHD1 61	61.59	3.76	85.90	22.68	240	3 481	260	3 771	350	2 400
QHD1 71	71.01	4.33	99.00	26.14	220	3 191	240	3 481	300	2 200
QHD1 82	81.87	4.99	114.20	30.15	200	2 901	220	3 191	300	2 000
QHD1 100	99.98	6.10	139.50	36.83	180	2 611	200	2 901	300	1 800

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description	
R11		Rectangular flange, centre ring Ø 50.8 mm spacing 98.5x128 mm	C11		Taper 1:8	G03		Thread BSP G 1/2	
			C12			Taper 1:5		G04	Thread BSP G 3/4
S03		SAE B 2 apertures	D13		Grooving SAE 13 T	G05		Thread BSP G 1	
			D15			Grooving SAE 15 T		G06	Thread BSP G 1 1/4
I01		ISO centre ring Ø 80mm front end bearing	D17		Grooving UNI 221	U04			Thread 7/8-14 UNF
			D18			Equilateral spline DIN 5462 A8x32x36x6			U05
U01		UNI	V14		Cylindric SAE Ø22.22mm	U07	Thread 1-5/16-12 UN		
			V20			Cylindric SAE Ø25.4mm	U08		Thread 1-5/8-12 UN
						E02		Flanged fitting 3/4"	
						E03		Flanged fitting 1"	
						E04		Flanged fitting 1 1/4"	
						E05	Flanged fitting 1 1/2"		

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 43 to 150 ccm/rev (from 2.66 to 9.19 in³/rev)
- Bi-directional versions available
- Two piece cast iron design

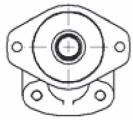
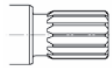

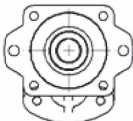


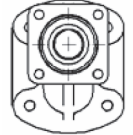

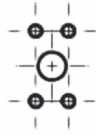


Technical parameters:

QHD2 SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
QHD2 43	43.57	2.66	64.00	16.90	280	4 061	300	4 351	400	3 200
QHD2 51	51.81	3.16	69.90	18.45	280	4 061	300	4 351	400	3 200
QHD2 61	61.23	3.74	82.70	21.83	270	3 916	290	4 206	400	3 200
QHD2 71	71.83	4.38	99.10	26.16	260	3 771	280	4 061	400	3 200
QHD2 82	82.43	5.03	116.20	30.68	260	3 771	280	4 061	400	3 000
QHD2 90	90.67	5.53	127.80	33.74	240	3 481	260	3 771	400	2 800
QHD2 100	100.09	6.11	141.10	37.25	230	3 336	250	3 626	350	2 700
QHD2 110	110.69	6.75	156.10	41.21	210	3 046	230	3 336	350	2 600
QHD2 125	125.99	7.69	177.60	46.89	190	2 756	210	3 046	250	2 400
QHD2 150	150.72	9.19	212.50	56.10	170	2 466	190	2 756	250	2 000

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description	
S03		SAE B 2 apertures	D13		Spline SAE B 13T	G04		Thread BSP G3/4	
			D14			G05		Thread BSP G1	
			D15			G06		Thread BSP G1 1/4	
G07	Thread BSP G1 1/2								
G08	Thread BSP G1 3/4								
G09	Thread BSP G2								
S06		SAE C 2 + 4 apertures	D18		Spline DIN 5462 A8x32x36x6	U05			Thread 1-1/16-12 UN
			V17			U07			Thread 1-5/16-12 UN
						U08			Thread 1-5/8-12 UN
U09	Thread 1-7/8-12 UN								
I02		ISO centre ring Ø 80 mm	V18		Cylindric SAE B, Ø 22.22 mm Key 6.4x6.4x25.4	E02			Fitting SAE (SSM) 3/4"
						V19			E03
								E04	Fitting SAE (SSM) 1 1/4"
V19	E05	Fitting SAE (SSM) 1 1/2"							
	E06	Fitting SAE (SSM) 2"							

For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 10 to 51 ccm/rev (from 0.59 to 3.18 in³/rev)
- Robust cast iron design
- Multiple and bi-directional versions available




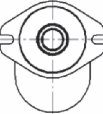


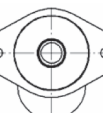





Technical parameters:

GHDO SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
GHDO 10	9.71	0.59	13.50	3.56	300	4 351	320	4 641	400	3 400
GHDO 17	17.31	1.06	24.40	6.44	300	4 351	320	4 641	350	3 400
GHDO 19	19.41	1.18	27.40	7.23	295	4 279	315	4 569	350	3 400
GHDO 23	22.95	1.40	32.40	8.55	295	4 279	315	4 569	350	3 400
GHDO 27	27.54	1.68	38.80	10.24	290	4 206	310	4 496	350	3 400
GHDO 29	29.64	1.81	41.80	11.04	290	4 206	310	4 496	350	3 200
GHDO 32	32.66	1.99	46.10	12.17	280	4 061	300	4 351	350	3 000
GHDO 36	36.72	2.24	51.80	13.68	250	3 626	270	3 916	350	2 700
GHDO 41	41.84	2.55	59.00	15.58	225	3 263	245	3 553	350	2 400
GHDO 51	52.07	3.18	73.40	19.38	210	3 046	230	3 336	350	2 000

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description
R11		Square centre ring Ø 50.8 mm spacing 98.5 x 128 mm	C11		Taper 1:8	M07		Thread M22x1,5
						M08		Thread M27x1,5
						M09		Thread M27x2
						M11		Thread M33x1,5
						M12		Thread M33x2
S02		SAE A 2 apertures	D13		Spline SAE B 13T	G03		Thread BSP G1/2
						G04		Thread BSP G3/4
						G05		Thread BSP G1
S03		SAE B 2 apertures	D15		Spline SAE BB 15T	U03		Thread 3/4-16 UNF
						U04		Thread 7/8-14 UNF
						U05		Thread 1-1/16-12 UN
						U07		Thread 1-5/16-12 UN
						E02		Fitting SAE (SSM) 3/4"
E03	Fitting SAE (SSM) 1"							
E04	Fitting SAE (SSM) 1 1/4"							
			V17		Cylindric SAE B Ø22.22 mm Key 6.4x6.4x25.4mm			

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 17 to 82 ccm/rev (from 1.06 to 4.99 in³/rev)
- Massive cast iron construction mainly for multiple versions
- Bi-directional design available


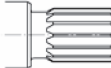


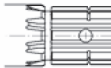

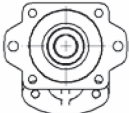
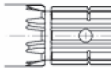


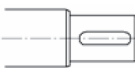


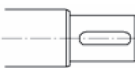



Technical parameters:

GHD1 SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
GHD1 17	17.39	1.06	23.50	6.20	300	4 351	320	4 641	400	3 200
GHD1 22.5	22.46	1.37	31.00	8.18	300	4 351	320	4 641	400	3 200
GHD1 27	27.53	1.68	38.00	10.03	300	4 351	320	4 641	400	3 200
GHD1 34	34.05	2.08	48.00	12.67	300	4 351	320	4 641	400	3 000
GHD1 43	43.47	2.65	61.30	16.18	280	4 061	300	4 351	400	2 800
GHD1 51	51.44	3.14	72.50	19.14	260	3 771	280	4 061	350	2 600
GHD1 56	55.79	3.40	78.70	20.78	250	3 626	270	3 916	350	2 400
GHD1 61	61.59	3.76	86.80	22.92	230	3 336	250	3 626	350	2 200
GHD1 71	71.01	4.33	100.10	26.43	210	3 046	230	3 336	350	1 800
GHD1 82	81.87	4.99	115.40	30.47	200	2 901	220	3 191	250	1 800

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description
S02		SAE A 2 aperture	D13		Spline SAE B 13T	G04		Thread BSP G3/4
						G05		Thread BSP G1
S03		SAE B 2 aperture	D15		Spline SAE BB 15T	G06		Thread BSP G1 1/4
						G07		Thread BSP G1 1/2
						G08		Thread BSP G1 3/4
S06		SAE C 2 + 4 apertures	D18		Spline DIN 5462 A8x32x36x6	G09		Thread BSP G2
						U05		Thread 1-1/16-12 UN
I02		ISO centre ring Ø 80mm	V17		Cylindric SAE B Ø22.22 mm Key 6.4x6.4x25.4	U07		Thread 1-5/16-12 UN
						U08		Thread 1-5/8-12 UN
						U09		Thread 1-7/8-12 UN
I02		ISO centre ring Ø 80mm	V18		Cylindric SAE BB Ø25.4 mm Key 6.4x6.4x31.8	E02		Fitting SAE (SSM) 3/4"
						E03		Fitting SAE (SSM) 1"
						E04		Fitting SAE (SSM) 1 1/4"
						E05		Fitting SAE (SSM) 1 1/2"
						E06		Fitting SAE (SSM) 2"

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For more information see: www.jihostroj.com/en/hydraulics/catalogue

FEATURES:

- Displacement from 51 to 150 ccm/rev (from 3.16 to 9.10 in³/rev)
- Massive cast iron construction mainly for multiple versions
- Bi-directional design available

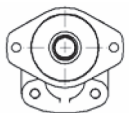
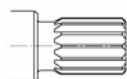


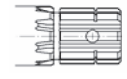


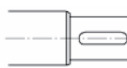
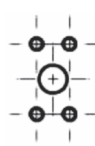


Technical parameters:

GHD2 SERIE	Displacement *		Nominal flow at 1500 rpm		Max. continuous pressure		Max. intermittent pressure		Min. speed [rpm]	Max. speed [rpm]
	[cm ³ /rev]	[in ³ /rev]	[l/min]	[gal/min]	[bar]	[psi]	[bar]	[psi]		
GHD2 51	51.81	3.16	69.90	18.45	280	4 061	300	4 351	400	3 200
GHD2 56	56.52	3.45	76.30	20.14	280	4 061	300	4 351	400	3 200
GHD2 61	61.23	3.74	82.70	21.83	270	3 916	290	4 206	400	3 200
GHD2 71	71.83	4.38	99.10	26.16	260	3 771	280	4 061	400	3 200
GHD2 82	82.43	5.03	116.20	30.68	260	3 771	280	4 061	400	3 000
GHD2 90	90.67	5.53	127.80	33.74	240	3 481	260	3 771	400	2 800
GHD2 100	100.09	6.11	141.10	37.25	230	3 336	250	3 626	350	2 700
GHD2 110	110.69	6.75	156.10	41.21	210	3 046	230	3 336	350	2 600
GHD2 125	125.99	7.69	177.60	46.89	190	2 756	210	3 046	250	2 400
GHD2 150	150.72	9.19	212.50	56.10	170	2 466	190	2 756	250	2 000

* Others on request.

Common connection alternatives:

CODE	Flange	Description	CODE	Shaft	Description	CODE	Inlet-Outlet	Description	
S03		SAE B 2 apertures	D13		Spline SAE B 13T	G04		Thread BSP G3/4	
			D14			G05		Thread BSP G1	
			D15			G06		Thread BSP G1 1/4	
G07	Thread BSP G1 1/2								
G08	Thread BSP G1 3/4								
G09	Thread BSP G2								
S06		SAE C 2 + 4 apertures	D18		Spline DIN 5462 A8x32x36x6	U05			Thread 1-1/16-12 UN
			V17			U07			Thread 1-5/16-12 UN
						U08			Thread 1-5/8-12 UN
U09	Thread 1-7/8-12 UN								
I02		ISO centre ring Ø 80 mm	V18		Cylindric SAE B, Ø 22.22 mm Key 6.4 x 6.4 x 25.4	E02			Fitting SAE (SSM) 3/4"
						V19			E03
						V18		E04	Fitting SAE (SSM) 1 1/4"
E05	Fitting SAE (SSM) 1 1/2"								
V19	E06	Fitting SAE (SSM) 2"							
	V18	Cylindric SAE BB, Ø 25.4 mm Key 6.4 x 6.4 x 31.8	Cylindric SAE C, Ø 31.7 mm Key 7.9 x 7.9 x 31.8	E05	E06				

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For more information see: www.jihostroj.com/en/hydraulics/catalogue