

Mud pump classification

- The National Oilwell Varco FD-1600 Triplex Mud Pump is designed to meet the toughest demands of today's land drilling needs. Rated nominal horsepower for the FD-1600 is 1600 Horsepower. The 3-cylinder, single-action, piston type mud pump is designed from rugged Fabriform™ construction.
- Designed to obtain optimum performance, the FD-1600 Mud Pump provides quick access and ease of maintenance, resulting in minimized downtime required to replace fluid end parts.

- **FEATURES:**

- Forged steel cylinders are identical and interchangeable
- One-Piece piston rod
- Discharge strainer
- Pistons/piston rods are removed and replaced through the front of the pump
- Suction desurger built into the suction manifold for reduction of pressure surges

Normal Horsepower Rating, HP (kW) @ 120 SPM	1600 (1193)
Size Maximum Liner by Stroke, in (mm)	7" X 12" (178 X 305)
Gear Ratio	4.31:1
Discharge Outlet, in (mm)	5" (127) 5000 psi (352 kg/cm²) API Flange
Lubrication	Pressure and splash to all moving parts
Valve Pot	Valve-over-valve, API #7
Valve Pot Cover	Screw Type
Cylinder Head	Screw Type
Liner Lock	Metal-to-metal
Crosshead Guide	Replaceable

- One-Piece interchangeable eccentric straps Fabriform frame
- Low weight to horsepower ratio
- Gear and pinion are machined from alloy steel forgings
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12BA18	ZT-10003	10-6061
12W85	ZT-10003	539187
IB-1331	7602-0201-67	543435

IB-1330	7602-0201-37	10-6062
IB-1334	7602-0201-38	543431
IB-1332	7602-0201-47	549128
IB-657	7602-0200-54	10-6040
IB-675	7602-0200-53	543432
IB-672	7602-0213-06	543433
IB-670	7602-0212-68	AD4746D
IB-680	7602-0212-69	ADD42605
IB-676	6319-0078-00	AD4845D
IB-671	7602-0212-89	ADD42805
IB-678	6310-0012-00	AD4746D
IB-677	7602-0213-07	AD4644D
12BA4	7602-0212-67	AD4730D
12GF36	7602-0212-88	ADA42207
12GF38	7602-0211-09	AD5140
12GF20	7602-0210-37	AD4814D
12BA6	7602-0213-05	ADA426334
12W84	6301-0038-00	AD5144
12W85	6397-0267-00	AD4814D
12BA6	7602-0212-90	ADA42603
12BA6	7602-0212-91	AD5144
12W84	65-725-034	AD4812DO
12W85	65-725-080	AD4540D
12BA18	65-725-020	ADA42002
12BA5	65-725-957	AD4633D
12AM3	65-725-936	ADA42201
12BA44	65-725-959	AD5238X
12BA19	65-725-960	AD4814D
12W73	65-725-000	AD5148
12W60	65-725-010	MUC5136
12W58	IB-1331	E-5140-UMR
12W75	IB-1330	MUC5144
12GF20	IB-1334	MUC5144
65-725-936	IB-1332	W-4482
65-725-959	IB-657	MUC5136
65-725-960	IB-675	X39042
65-725-000	IB-672	E5238U
65-725-010	IB-670	MUC5148
IB-1331	IB-680	ZT-7872
IB-1330	IB-676	ZT-8004
IB-1334	IB-671	ZT-7006
IB-1332	IB-677	7602-0220-62
IB-657	12BA4	7602-0220-61
IB-675	12GF36	7602-0202-01
IB-672	ZT-15000	22-030-007
IB-670	ZT-15000	IB-666

IB-680	ZT-14500	IB-429
IB-676	ZT-13127	IB-411
IB-671	ZT-11812	4600170/649366
IB-677	ZT-10003	4600169/649472
12BA4	7602-0201-67	ZA-6870
12GF36	7602-0201-37	7602-0210-67
12GF38	7602-0201-38	7602-0212-98
12GF20	7602-0201-47	7602-0210-93/94
12BA4 bearing(original)	7602-0200-54	7602-0210-95/96
12BA4	7602-0200-53	65-101-775
12GF36	7602-0213-06	65-101-958
12GF38	7602-0212-68	65-101-954
12GF20	7602-0212-69	IB-666/491-35
12BA6	6319-0078-00	IB-306/3693B
12W84	7602-0212-89	ZB-9005
12W85	6310-0012-00	ZB-8253
12BA18	7602-0213-07	ZB-7370
12BA5	7602-0212-67	ZB-7120
12AM3	7602-0212-88	ZB-6751
12BA44	7602-0211-09	ZB-5620
12BA19	7602-0210-37	ZB-11028
12W73	7602-0213-05	ZB-10236
12W60	6301-0038-00	ZB-8662
12W58	6397-0267-00	ZB-7873
IB-676 bearing(original)	7602-0212-90	ZB-7081
IB-676	7602-0212-91	ZB-6292
IB-671	65-725-034	ZB-32000
IB-677	65-725-080	ZB-28515
12BA4	65-725-020	ZB-26250
12GF36	65-725-957	ZB-25500
12GF38	65-725-936	ZB-23500
12GF20	65-725-959	ZB-22000
12BA6	65-725-960	ZT-16125
12W84	65-725-000	ZT-15000
12W85	65-725-010	ZT-14500
12BA18	IB-1331	ZT-13127
12BA5	IB-1330	ZT-11812
12AM3	IB-1334	ZT-10003
IB-670 bearing(original)	IB-1332	7602-0201-67
IB-670	IB-657	7602-0201-37
IB-680	IB-675	7602-0201-38
IB-676	IB-672	7602-0201-47
IB-671	IB-670	7602-0200-54
IB-677	IB-680	7602-0200-53
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12GF36	IB-671	7602-0212-68

12GF38	IB-678	7602-0212-69
12GF20	ZB-25500 bearing(original)	6319-0078-00
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12W84	ZB-23500	6310-0012-00
12W85	ZB-22000	7602-0213-07
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12BA5	ZT-15000	7602-0212-88
12AM3	ZT-14500	7602-0211-09
12BA44	ZT-13127	7602-0210-37
12BA19	ZT-11812	7602-0213-05
12W73	ZT-10003	6301-0038-00
12W60	7602-0201-67	6397-0267-00
12W58	7602-0201-37	7602-0212-90
IB-675 bearing(original)	7602-0201-38	7602-0212-91
IB-675	7602-0201-47	65-725-034
IB-672	7602-0200-54	65-725-080
IB-670	7602-0200-53	65-725-020
IB-680	7602-0213-06	65-725-957
IB-676	7602-0212-68	65-725-936
IB-671	7602-0212-69	65-725-959
IB-677	6319-0078-00	65-725-960
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12GF36	6310-0012-00	65-725-010
12GF38	7602-0213-07	IB-1331
12GF20	7602-0212-67	IB-1330
12BA6	ZB-26250 bearing(original)	IB-1334
12W84	ZB-26250	IB-1332
12W85	ZB-25500	IB-657
12BA18	ZB-23500	IB-675
12BA5	ZB-22000	IB-672
IB-1332 bearing(original)	ZT-16125	IB-670
IB-1332	ZT-15000	IB-680
IB-657	ZT-14500	IB-676
IB-675	ZT-13127	IB-671
IB-672	ZT-11812	IB-678
IB-670	ZT-10003	IB-677
IB-680	7602-0201-67	12BA4
IB-676	7602-0201-37	12GF36
IB-671	7602-0201-38	12GF38
IB-677	7602-0201-47	12GF20
12BA4	7602-0200-54	12BA6
12GF36	7602-0200-53	12W84
12GF38	7602-0213-06	12W85
12GF20	7602-0212-68	12BA18
12BA6	7602-0212-69	12BA5
12W84	6319-0078-00	12AM3

12W85	7602-0212-89	12BA44
12BA18	6310-0012-00	12BA19
65-725-959 bearing(original)	7602-0213-07	12W73
65-725-959	ZB-28515 bearing(original)	12W60
65-725-960	ZB-28515	12W58
65-725-000	ZB-26250	12W75
65-725-010	ZB-25500	12BA19 bearing(original)
IB-1331	ZB-23500	IB-675
IB-1330	ZB-22000	IB-672
IB-1334	ZT-16125	IB-670
IB-1332	ZT-15000	IB-680
IB-657	ZT-14500	IB-676
IB-675	ZT-13127	IB-671
IB-672	ZT-11812	IB-678
IB-670	ZT-10003	IB-677
IB-680	7602-0201-67	12BA4
IB-676	7602-0201-37	12GF36
IB-671	7602-0201-38	12GF38
IB-677	7602-0201-47	12GF20
12BA4	7602-0200-54	12BA6
65-725-936 bearing(original)	7602-0200-53	12W84
65-725-936	7602-0213-06	12W85
65-725-959	7602-0212-68	12BA18
65-725-960	7602-0212-69	12BA5
65-725-000	6319-0078-00	12AM3
65-725-010	7602-0212-89	12BA44
IB-1331	6310-0012-00	12BA19
IB-1330	7602-0213-07	12W73
IB-1334	7602-0212-67	12W60
IB-1332	7602-0212-88	12W58
IB-657	7602-0211-09	12W75
IB-675	7602-0210-37	12AM3 bearing(original)
IB-672	ZB-6292 bearing(original)	IB-1332
IB-670	ZB-6292	IB-657
IB-680	ZB-32000	IB-675
IB-676	ZB-28515	IB-672
IB-671	ZB-26250	IB-670
IB-677	ZB-25500	IB-680
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12GF36	ZB-22000	IB-671
12GF38	ZT-16125	IB-678
12GF20	ZT-15000	IB-677
12BA6	ZT-14500	12BA4
12W84	ZT-13127	12GF36
12W85	ZT-11812	12GF38
12BA18	ZT-10003	12GF20

65-725-957 bearing(original)	7602-0201-67	12BA6
65-725-957	7602-0201-37	12W84
65-725-936	7602-0201-38	12W85
65-725-959	7602-0201-47	12BA18
65-725-960	7602-0200-54	12BA5
65-725-000	7602-0200-53	12AM3
65-725-010	7602-0213-06	12BA5 bearing(original)
IB-1331	7602-0212-68	IB-1332
IB-1330	7602-0212-69	IB-657
IB-1334	6319-0078-00	IB-675
IB-1332	7602-0212-89	IB-672
IB-657	ZB-7873 bearing(original)	IB-670
IB-675	ZB-7873	IB-680
IB-672	ZB-7081	IB-676
IB-670	ZB-6292	IB-671
IB-680	ZB-32000	IB-678
IB-676	ZB-28515	IB-677
IB-671	ZB-26250	12BA4
IB-677	ZB-25500	12GF36
12BA4	ZB-23500	12GF38
12GF36	ZB-22000	12GF20
65-725-957	ZT-16125	12BA6
65-725-957	ZT-15000	12W84
65-725-936	ZT-14500	12W85
65-725-959	ZT-13127	12BA18
65-725-960	ZT-11812	12BA5
65-725-000	ZT-10003	12AM3
65-725-010	7602-0201-67	12BA44
IB-1331	7602-0201-37	12BA19
IB-1330	7602-0201-38	12W73
IB-1334	7602-0201-47	12BA5
IB-1332	7602-0200-54	IB-1332
IB-657	7602-0200-53	IB-657
IB-675	7602-0213-06	IB-675
IB-672	7602-0212-68	IB-672
IB-670	7602-0212-69	IB-670
IB-680	ZB-11028)	IB-680
IB-676	ZB-11028	IB-676
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IB-677	ZB-8662	IB-678
12BA4	ZB-7873	IB-677
12GF36	ZB-7081	12BA4
65-725-080 bearing(original)	ZB-6292	12GF36
65-725-080	ZB-32000	12GF38
65-725-020	ZB-28515	12GF20
65-725-957	ZB-26250	12BA6

65-725-936	ZB-25500	12W84
65-725-959	ZB-23500	12W85
65-725-960	ZB-22000	12BA18
65-725-000	ZT-16125	12BA5
65-725-010	ZT-15000	12AM3
IB-1331	ZT-14500	12BA44
IB-1330	ZT-13127	12BA19
IB-1334	ZT-11812	12W73
IB-1332	ZT-10003	12BA18
IB-657	7602-0201-67	IB-1331
IB-675	7602-0201-37	IB-1330
IB-672	7602-0201-38	IB-1334
IB-670	7602-0201-47	IB-1332
IB-680	7602-0200-54	IB-657
IB-676	7602-0200-53	IB-675
IB-671	7602-0213-06	IB-672
IB-677	7602-0212-68	IB-670
12BA4	7602-0212-69	IB-680
7602-0211-09	6319-0078-00	IB-676
bearing(original)		
7602-0211-09	7602-0212-89	IB-671
7602-0210-37	6310-0012-00	IB-678
7602-0213-05	7602-0213-07	IB-677
6301-0038-00	7602-0212-67	12BA4
6397-0267-00	ZB-6751	12GF36
7602-0212-90	ZB-9005	12GF38
7602-0212-91	ZB-8253	12GF20
65-725-034	ZB-7370	12BA6
65-725-080	ZB-7120	12W84
65-725-020	ZB-6751	12W85
65-725-957	ZB-5620	65-725-000
65-725-936	ZB-11028	7602-0201-47
65-725-959	ZB-10236	7602-0201-47
65-725-960	ZB-8662	7602-0200-54
65-725-000	ZB-7873	7602-0200-53
65-725-010	ZB-7081	7602-0213-06
IB-1331	ZB-6292	7602-0212-68
IB-1330	ZB-32000	7602-0212-69
IB-1334	ZB-28515	6319-0078-00
IB-1332	ZB-26250	7602-0212-89
IB-657	ZB-25500	6310-0012-00
IB-675	ZB-23500	7602-0213-07
IB-672	ZB-22000	7602-0212-67
IB-670	ZT-16125	7602-0212-88
IB-680	ZT-15000	7602-0211-09
IB-676	ZT-14500	7602-0210-37

IB-671	ZT-13127	7602-0213-05
6310-0012-00	ZT-11812	6301-0038-00
bearing(original)		
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7602-0213-07	7602-0201-67	7602-0212-90
7602-0212-67	7602-0201-37	7602-0212-91
7602-0212-88	7602-0201-38	65-725-034
7602-0211-09	7602-0201-47	65-725-080
7602-0210-37	7602-0200-54	65-725-020
7602-0213-05	7602-0200-53	65-725-957
6301-0038-00	7602-0213-06	65-725-936
6397-0267-00	7602-0212-68	65-725-959
7602-0212-90	7602-0212-69	65-725-960
7602-0212-91	6319-0078-00	65-725-000
65-725-034	7602-0212-89	65-725-010
65-725-080	6310-0012-00	7602-0201-38
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65-725-957	7602-0213-06	7602-0201-47
65-725-936	7602-0212-88	7602-0200-54
65-725-959	7602-0211-09	7602-0200-53
65-725-960	7602-0210-37	7602-0213-06
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65-725-010	6301-0038-00	7602-0212-69
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IB-657	65-725-080	7602-0212-67
IB-675	65-725-020	7602-0212-88
IB-672	65-725-957	7602-0211-09
IB-670	65-725-936	7602-0210-37
IB-680	65-725-959	7602-0213-05
IB-676	65-725-960	6301-0038-00
IB-671	65-725-000	6397-0267-00
IB-677	65-725-010	7602-0212-90
12BA4	IB-1331	7602-0212-91
12GF36	IB-1330	65-725-034
12GF38	IB-1334	ADA42201
12GF20	IB-1332	AD5238X
12BA6	IB-657	AD4814D
12W84	IB-675	AD5148
12W85	IB-672	MUC5136
12BA18	IB-670	E-5140-UMR
6319-0078-00	IB-680	MUC5144
bearing(original)		
6319-0078-00	IB-676	MUC5144

7602-0212-89	IB-671	W-4482
6310-0012-00	IB-678	MUC5136
7602-0213-07	IB-677	X39042
7602-0212-67	12BA4	E5238U
7602-0212-88	12GF36	MUC5148
7602-0211-09	12GF38	ZT-7872
7602-0210-37	12GF20	ZT-8004
7602-0213-05	12BA6	ZT-7006
6301-0038-00	12W84	7602-0220-62
6397-0267-00	F500	7602-0220-61
7602-0212-90	4G32828H	7602-0202-01
7602-0212-91	3G3053738H	22-030-007
65-725-034	92984QU	IB-666
65-725-080	5G354920Q	IB-429
65-725-020		4600170/649366
65-725-957	12W58 bearing(original)	4600169/649472
65-725-936	544759	ZA-6870
65-725-959	510616A	7602-0210-67
65-725-960	10-6040	7602-0212-98
65-725-000	544979	7602-0210-93/94
6319-0078-00	546293	7602-0210-95/96
bearing(original)		
6319-0078-00	10-6040	65-101-775
7602-0212-89	544000	65-101-958
6310-0012-00	546293	65-101-954
7602-0213-07	10-6209	IB-666/491-35
7602-0212-67	ZT-7872	IB-306/3693B
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7602-0213-05	7602-0220-61	65-725-034
6301-0038-00	7602-0202-01	65-725-080
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65-725-959	IB-666	65-725-957
65-725-960	IB-429	65-725-936

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