

Plunger Pump

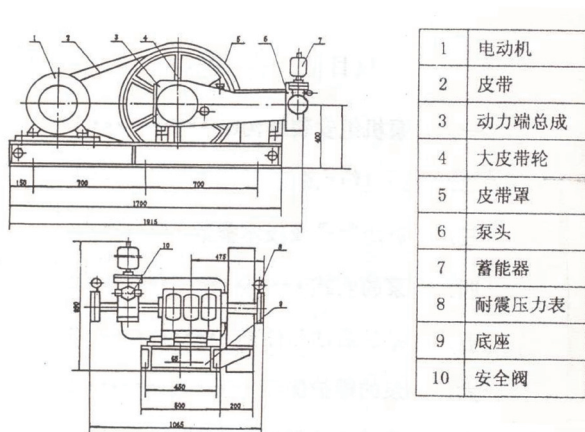
3ZB-2.5/23

The pump is a new model of plunger pump, developed and designed to meet the single well, small discharge water injection technological requirements in daqing oil field the pump's hydraulic end adopts the intergral pump head structure with horizontal straight-way group valve, and it has the characteristics of simple structure easy operation and maintenance high pumpin

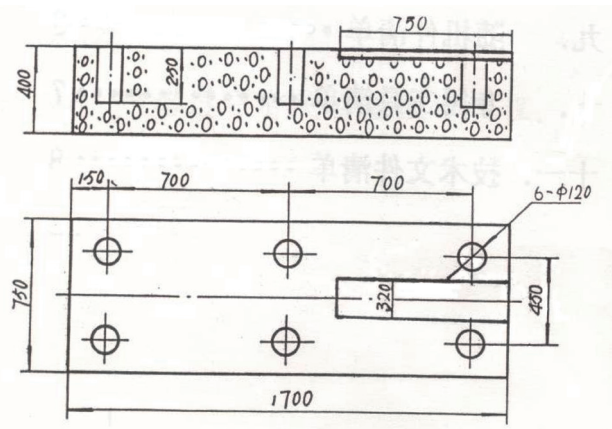
Product Specifications:

Transmission Media		Shimizu ,Sewage		
Media Temperature °C		≤80		
Input Pressure MPa (psi)		0.03~1.5(4.35~218)		
Rated Discharge Pressure MPa(psi)	23(3336)	23(3336)	23(3336)	
Rated Flow Rate m ³ /h (gal/min)	0.9(3.96)	1.7(7.31)	2.55(11.23)	
Theoretical Flow Rate m ³ /h (gal/min)	1(4.4)	1.89(8.12)	2.83(12.48)	
(Plunger Diameter) mm	Ø20	Ø28	Ø28	
(Belt wheel Diameter)	Ø223	Ø212	Ø235.5	
Plunger Diameter mm	221	213	320	
Stroke Length mm				80
Pump Speed r/min				≥85
Pump Efficiency %				≥90
Electric Motor	Type	Y160L-8	Y200L-8	Y200L ₂ -6
	power kW(hp)	7.5(10)	15(20)	22(30)
	Rotate Speed r/min	720	730	970
	(Electric Voltage)V	380		
Input Line Diameter mm				Ø60×5
Output Line Diameter mm				Ø38×8
Overall Dimension mm				1915×1065×990
Packing Dimension mm				2400×1100×1450
Total Weight kg (bl)				800(1764)
Lubricating Oil In Crankcase				CC15W/40
Belt Type				1×4ZV15J—3000

sub base figure for pump base installment



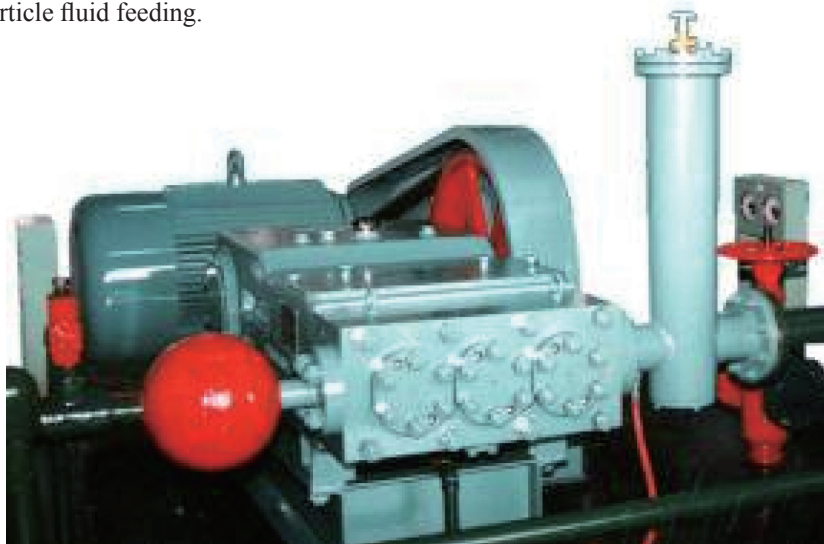
sub base figure for pump base installment



Note: the form of reinforced concrete foundation is recommended

3ZS-4/50

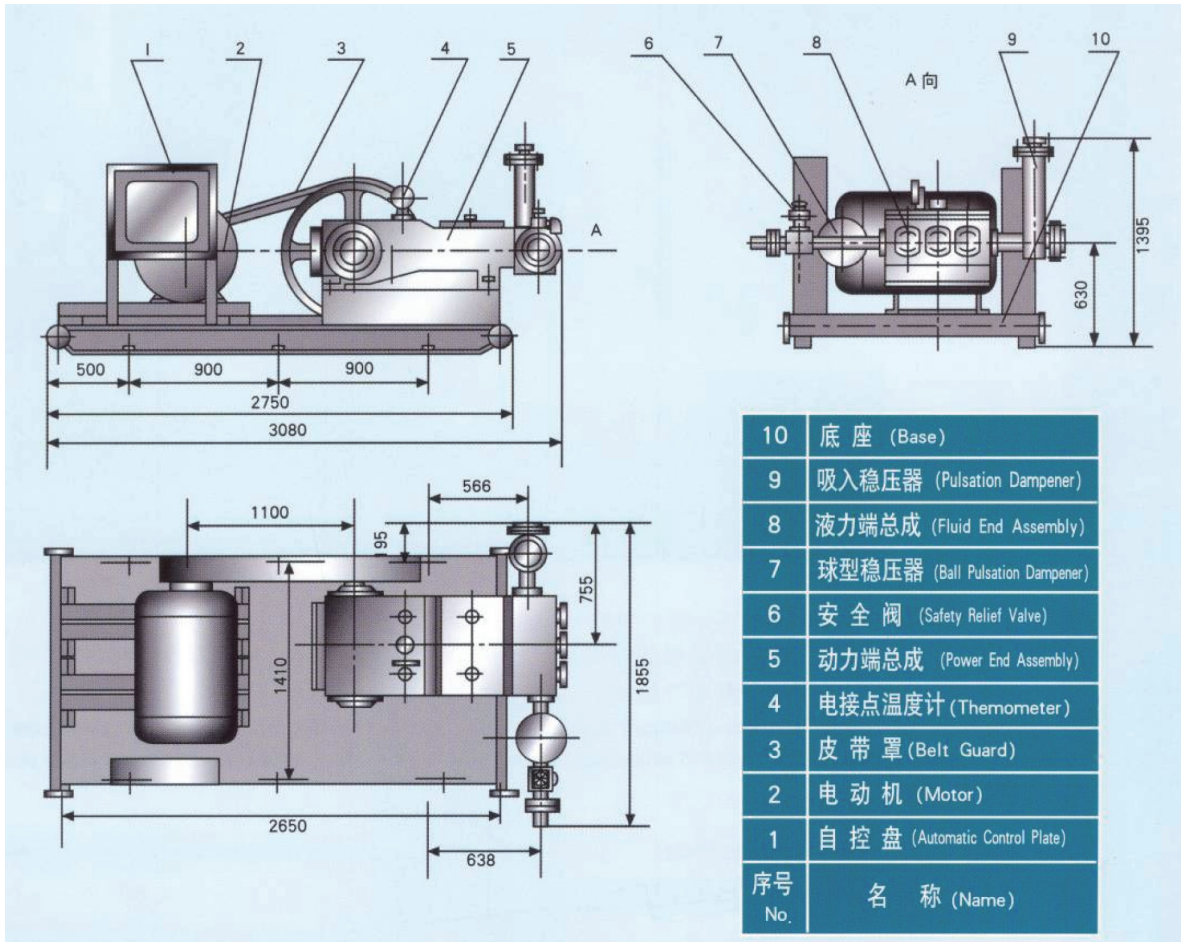
The pump's driving end adopts the traditional connecting rod while the pump's hydraulic end adopts the integral pump head structure with horizontal straight-through group valve, it ensures the characteristics Of simple structure, easy operation and maintenance, high pump efficiency, and long service life for the pump head at hydraulic end and the consumable parts. In addition, full automatic temperature controller is put up at the driving end, which ensures more the safety and reliability of the water injecting pump. this pump is mostly suitable for high-pressure water injecting in oil field and other non-particle fluid feeding.



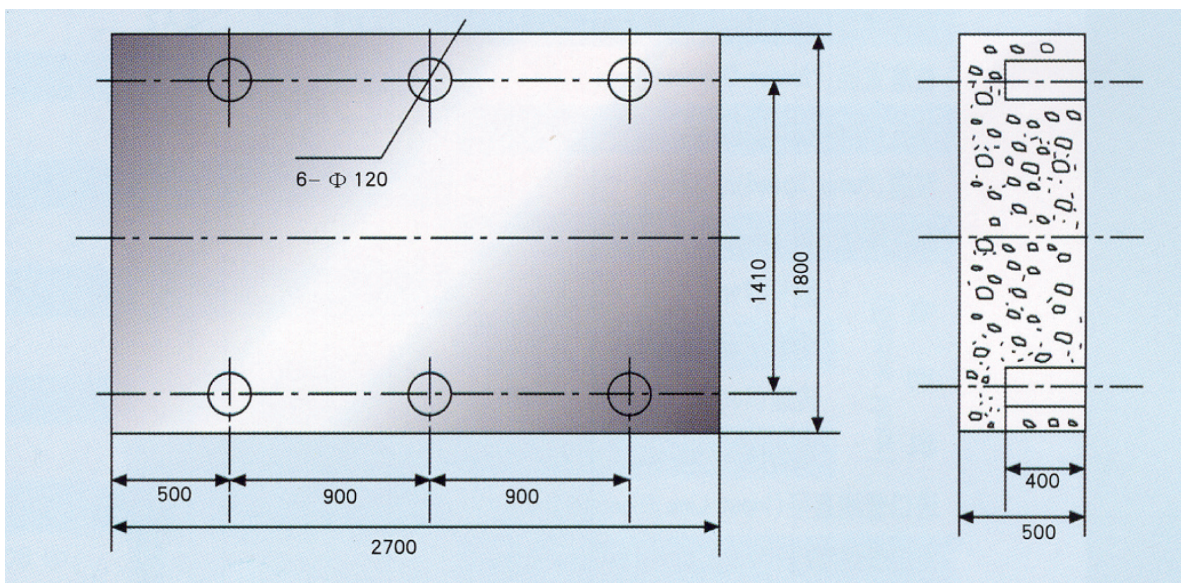
Product Specifications:

Transmission Media		Shimizu ,Sewage		
Media Temperature °C		≤80		
Input Pressure MPa (psi)		0.03~1.5(4.35 ! 218)		
Rated Discharge Pressure MPa(psi)		23(3336)	23(3336)	23(3336)
Rated Flow Rate m ³ /h (gal/min)		0.9(3.96)	1.7(7.31)	2.55(11.23)
Theoretical Flow Rate m ³ /h (gal/min)		1(4.4)	1.89(8.12)	2.83(12.48)
(Plunger Diameter) mm		Ø20	Ø28	Ø28
(Belt wheel Diameter)		Ø223	Ø212	Ø235.5
Plunger Diameter mm		221	213	320
Stroke Length mm		80		
Pump Speed r/min		≥85		
Pump Efficiency %		≥90		
Electric Motor	Type	Y160L-8	Y200L-8	Y200L ₂ -6
	power kW(hp)	7.5(10)	15(20)	22(30)
	Rotate Speed r/min	720	730	970
	(Electric Voltage)V	380		
Input Line Diameter mm		Ø60×5		
Output Line Diameter mm		Ø38×8		
Overall Dimension mm		1915×1065×990		
Packing Dimension mm		2400×1100×1450		
Total Weight kg (bl)		800(1764)		
Lubricating Oil In Crankcase		CC15W/40		
Belt Type		1×4ZV15J—3000		

structure figure for pump base installment



sub base figure for pump base installment



Note: the form of reinforced concrete foundation is recommended

3ZS-6/41 (3H-8/450 II)

The pump is a new model of plunger pump, developed and designed to meet the high-pressure water injection technological requirement in oil field. the pump hydraulic end adopts the integral pump head structure with horizontal straight-through group valve .and it has the characteristics of simple structure, easy operation and maintenance, high pumping efficiency and long service life for the pump head at hydraulic end and the consumable parts .this pump is mainly used for high-pressure water injecting in oil field and for various types of equipment with hydraulic pressure acting as their main power.



3ZS-6/41 Product Specifications:

Transmission Media	Shimizu ,Sewage								
Media Temperature °C	≤80								
Input Pressure MPa (psi)	0.03~1.5(4.35~218)								
Rated Discharge Pressure MPa(psi)	41 (5946)	33 (4786)	28 (4061)	24 (3481)	22.6 (3278)	20 (2901)	18 (2611)	16 (2321)	12 (1740)
Rated Flow Rate m ³ /h (gal/min)	5.9 (25.96)	7.1 (31.24)	8.3 (36.52)	9.7 (42.68)	11 (48.4)	12.1 (53.24)	13.8 (60.72)	15.5 (68.2)	19.8 (87.12)
Theoretical Flow Rate m ³ /h (gal/min)	6.8 (29.92)	8.1 (36.64)	9.6 (42.24)	11.2 (49.28)	12.2 (53.68)	13.5 (59.4)	15.3 (67.32)	17.3 (76.12)	21.6 (95.04)
Plunger Diameter mm	32	35	38	41	43	45	48	51	57
Stroke Length mm	127								
Pump Speed r/min	370								
Pump Efficiency %	≥85								
Electric Motor	Type	Y280M—4							
	power kW(hp)	90(120)							
	Rotate Speed r/min	1480							
	(Electric Voltage)V	380							



Input Line Diameter mm	φ114×4(4"×0.16")
Output Line Diameter mm	φ60.3×11(2"×0.43")
Overall Dimension mm	3450×2040×1710
Packing Dimension mm	3990×2100×2150
Total Weight kg(bl)	4500(9920)
Lubricating Oil In Crankcase	CC15W/40
Belt Type	6ZV15J—5080

3H-8/450II Product Specifications:

Transmission Media		Shimizu ,Sewage						
Media Temperature °C		≤80						
Input Pressure MPa (psi)		0.03~1.5(4.35~218)						
Rated Discharge Pressure MPa(psi)	44 (6381)	37 (5366)	32 (4641)	28 (4061)	27 (3916)	22.5 (3263)	21 (3046)	16 (2321)
Rated Flow Rate m ³ /h (gal/min)	7.1 (31.24)	8.3 (36.52)	9.7 (42.68)	11 (48.4)	12.1 (53.24)	13.8 (60.72)	15.5 (68.2)	19.8 (87.12)
Theoretical Flow Rate m ³ /h (gal/min)	8.1 (35.65)	9.6 (42.24)	11.2 (49.28)	12.2 (53.68)	13.5 (59.4)	15.3 (67.32)	17.3 (76.12)	21.6 (95.04)
Plunger Diameter mm	35	38	41	43	45	48	51	57
Stroke Length mm	127							
Pump Speed r/min	370							
Pump Efficiency %	≥85							
Electric Motor	Type	Y315S—4						
	power kW(hp)	110(148)						
	Rotate Speed r/min	1480						
	(Electric Voltage)V	380						
Input Line Diameter mm	φ114×4(4"×0.16")							
Output Line Diameter mm	φ60.3×11(2"×0.43")							
Overall Dimension mm	3450×2040×1710							
Packing Dimension mm	3990×2100×2150							
Total Weight kg(bl)	4500(9920)							
Lubricating Oil In Crankcase	CC15W/40							
Belt Type	6ZV15J—5080							

3ZS-8/44

The pump is a new model of plunger pump, developed and designed to meet the high-pressure water injecting technological requirement of ocean petroleum platform. Its driving end adopts gear drive, while its hydraulic end adopts integral pump head structure with horizontal straight-through group valve. and it has the characteristics of simple structure easy operation and maintenance high pumping efficiency and long service life for the pump head at hydraulic end the consumable parts.

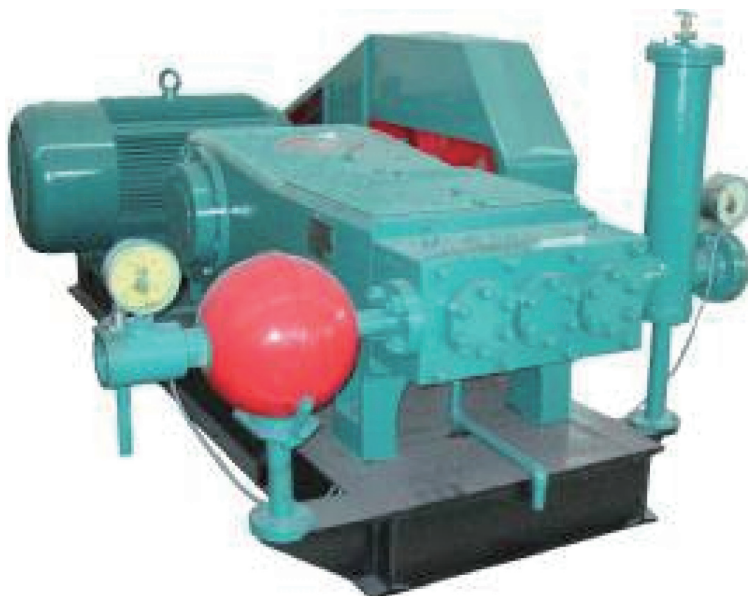


Product Specifications:

Transmission Media		Shimizu ,Sewage								
Media Temperature °C		≤80								
Input Pressure MPa (psi)		0.03~1.5(4.35~218)								
Rated Discharge Pressure MPa(psi)		44 (6381)	37 (5366)	32 (4641)	28 (4061)	27 (3916)	22.5 (3263)	21 (3046)	16 (2321)	14 (2030)
Rated Flow Rate m ³ /h (gal/min)		7 (30.8)	8.1 (35.6)	9.5 (41.8)	10.8 (47.5)	11.8 (51.9)	13.5 (59.4)	15.2 (66.9)	19 (83.6)	23 (101)
Theoretical Flow Rate m ³ /h (gal/min)		8 (35.2)	9.4 (41.4)	10.9 (48)	12 (52.8)	13.1 (57.6)	15 (66)	16.9 (74.4)	21.1 (92.8)	24.2 (107)
Plunger Diameter mm		35	38	41	43	45	48	51	57	61
Stroke Length mm		127								
Pump Speed r/min		362.6								
Pump Efficiency %		≥85								
Electric Motor	Type	YB315L1—6								
	power kW(hp)	110(148)								
	Rotate Speed r/min	980								
	(Electric Voltage)V	380								
Input Line Diameter mm		114×4(4"0.16")								
Output Line Diameter mm		60.3×11(2"×0.43")								
Overall Dimension mm		3300×1762×1425								
Packing Dimension mm		3800×1900×1850								
Total Weight kg(bl)		3527(7775)								
Lubricating Oil In Crankcase		N150 Load Industry Gear Oil								

3ZB-12/42 & 3ZB-12/36 & 3ZB-12/30

The pump is a new model of plunger pump, developed and designed to meet the high-pressure water injecting technological requirement in oil field. The pump's hydraulic end adopts the integral pump head structure with horizontal straight-through group valve and it has the characteristics of simple structure, easy operation and maintenance, high pumping efficiency, and long service life for the pump head at hydraulic end and the consumable parts. This pump is mainly used for high-pressure water injecting in oil field and for various types of equipment with hydraulic pressure acting as their main power.



3ZB-12/42

Transmission Media		Shimizu ,Sewage							
Media Temperature °C		≤80							
Input Pressure MPa (psi)		0.03~1.5(4.35~218)							
Rated Discharge Pressure MPa(psi)	42 (6381)	37 (5366)	32 (4641)	28 (4061)	24 (3481)	20 (2901)	17 (2466)	15 (2174)	13 (1885)
Rated Flow Rate m ³ /h (gal/min)	11.6 (51.04)	13.2 (58.08)	15 (66)	18 (79.2)	21.4 (94.12)	25.7 (113.1)	29.8 (131.1)	34.2 (150.5)	39 (171.6)
Theoretical Flow Rate m ³ /h (gal/min)	13.4 (58.96)	15.2 (66.88)	17.2 (75.68)	20 (88)	23.8 (104.7)	28 (123.2)	32.4 (142.6)	37.2 (163.7)	42.3 (186.1)
Plunger Diameter mm	45	48	51	55	60	65	70	75	80
Stroke Length mm	180								
Pump Speed r/min	260								
Pump Efficiency %	≥85								
Electric Motor	Type	Y355M2—6							
	power kW(hp)	185(248)							
	Rotate Speed r/min	990							
	(Electric Voltage)V	380							
Input Line Diameter mm	φ114×5(4"×0.2")								
Output Line Diameter mm	φ89×12(3"×0.47")								
Overall Dimension mm	3570×1990×1485								
Packing Dimension mm	4050×2100×1900								
Total Weight kg (bl)	5220(11507)								
Lubricating Oil In Crankcase	CC15W/40								
Belt Type	2×4ZV25J—5080								

3ZB-12/36

Transmission Media		Shimizu ,Sewage									
Media Temperature °C		≤80									
Input Pressure MPa (psi)		0.03~1.5(4.35~218)									
Rated Discharge Pressure MPa(ψi)		44 (6381)	37 (5366)	32 (4641)	28 (4061)	24 (3481)	20 (2901)	17 (2466)	15 (2174)	13 (1885)	11 (1595)
Rated Flow Rate m ³ /h (gal/min)		9.7 (42.7)	11.6 (51)	13.2 (58.1)	15.5 (68.2)	18 (79.2)	21.0 (86.1)	25.7 (113.1)	29.8 (131.1)	34.2 (150.5)	39 (171.6)
Theoretical Flow Rate m ³ /h (gal/min)		11.1 (48.8)	13.4 (59)	15.2 (66.9)	17.2 (75.7)	20 (88)	23.8 (104.7)	28 (123.2)	32.4 (142.6)	37.2 (163.7)	42.3 (188.8)
Plunger Diameter mm		41	45	48	51	55	60	65	70	75	80
Stroke Length mm		180									
Pump Speed r/min		260									
Pump Efficiency %		≥85									
Electric Motor	Type	Y355M2—6									
	power kW(hp)	160 (215)									
	Rotate Speed r/min	990									
	(Electric Voltage)V	380									
Input Line Diameter mm		φ114×5(4"×0.2")									
Output Line Diameter mm		φ89×12(3"×0.47")									
Overall Dimension mm		3570×1990×1485									
Packing Dimension mm		4050×2100×1900									
Total Weight kg (bl)		5220(11508)									
Lubricating Oil In Crankcase		CC15W/40									
Belt Type		2×4ZV25—5080									

3ZB-12/30

Transmission Media		Shimizu ,Sewage									
Media Temperature °C		≤80									
Input Pressure MPa (psi)		0.03~1.5(4.35~218)									
Rated Discharge Pressure MPa(ψi)		36 (5221)	30 (4351)	26 (3771)	23 (3336)	20 (2901)	17 (2466)	14 (2030)	12 (1740)	10.5 (1523)	9 (1305)
Rated Flow Rate m ³ /h (gal/min)		9.7 (42.7)	11.6 (51)	13.2 (58.1)	15.5 (68.2)	18 (79.2)	21.0 (86.1)	25.7 (113.1)	29.8 (131.1)	34.2 (150.5)	39 (171.6)
Theoretical Flow Rate m ³ /h (gal/min)		11.1 (48.8)	13.4 (59)	15.2 (66.9)	17.2 (75.7)	20 (88)	23.8 (104.7)	28 (123.2)	32.4 (142.6)	37.2 (163.7)	42.3 (188.8)
Plunger Diameter mm		41	45	48	51	55	60	65	70	75	80
Stroke Length mm		180									
Pump Speed r/min		260									
Pump Efficiency %		≥85									
Electric Moto	Type	Y315M3—6									
	power kW(hp)	132(177)									
	Rotate Speed r/min	989									
	(Electric Voltage)V	380									
Input Line Diameter mm		φ114×5(4"×0.2")									
Output Line Diameter mm		φ89×12(3"×0.47")									
Overall Dimension mm		3570×1990×1485									
Packing Dimension mm		4050×2100×1900									
Total Weight kg (bl)		5100(11243)									
Lubricating Oil In Crankcase		CC15W/40									
Belt Type		2×4ZV25—5080									

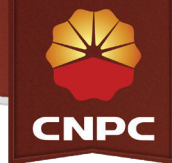
5ZB-12/42&5ZB-12/36&5ZB-12/30

The pump to pump 5ZBII-37/170 base type, inheritance factor high, hydraulic side applications "ZL962441481" No. patent, is designed to "level the whole valve plate seamless combination of pump head" structure. The pump structure is simple, reliable, easy operation and maintenance, pump-efficient, long life wearing parts. Applicable to high-pressure water injection and oil to various types of hydraulic-powered equipment.



5ZB-12/42

Transmission Media		Shimizu ,Sewage							
Media Temperature °C		≤80							
Input Pressure MPa (psi)		0.03~1.5(4.35~218)							
Rated Discharge Pressure MPa(psi)		42 (6381)	36 (5221)	31 (4496)	28 (4061)	25 (3626)	22.5 (3263)	20 (2901)	16 (2321)
Rated Flow Rate m ³ /h (gal/min)		11.8 (51.92)	13.9 (61.16)	16.7 (73.48)	18.4 (80.96)	20.2 (88.88)	23 (101.2)	26.5 (116.6)	33.1 (145.6)
Theoretical Flow Rate m ³ /h (gal/min)		13.5 (59.4)	16 (70.4)	18.6 (81.84)	20.47 (90.07)	22.4 (98.56)	25.5 (112.2)	28.8 (126.7)	36 (158.4)
Plunger Diameter mm		35	38	41	43	45	48	51	57
Stroke Length mm		127							
Pump Speed r/min		370							
Pump Efficiency %		≥85							
Electric Moto	Type	Y315L—4							
	power kW(hp)	185(250)							
	Rotate Speed r/min	1470							
	(Electric Voltage)V	380							
Input Line Diameter mm		φ114×4 (4"×0.16")							
Output Line Diameter mm		φ88.9×12 (2"×0.47")							
Overall Dimension mm		3450×2380×1710							
Packing Dimension mm		3950×2450×2100							
Total Weight kg (bl)		7000(15432)							
Lubricating Oil In Crankcase		CC15W/40							
Belt Type		2×4ZV25J—5080							



5ZB-12/36

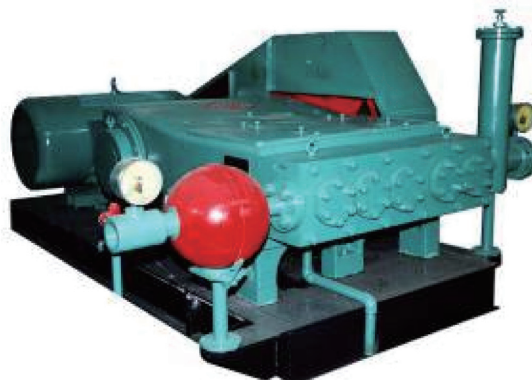
Transmission Media		Shimizu ,Sewage						
Media Temperature °C		≤80						
Input Pressure MPa (psi)		0.03~1.5(4.35~218)						
Rated Discharge Pressure MPa(psi)	36 (5221)	30.5 (4423)	26 (3771)	24 (3481)	22 (3191)	19 (2756)	17 (2466)	13.5 (1958)
Rated Flow Rate m ³ /h (gal/min)	11.8 (51.92)	14.4 (63.36)	16.7 (73.48)	18.8 (82.72)	20.2 (88.88)	23.4 (103)	26.5 (116.6)	33.1 (145.6)
Theoretical Flow Rate m ³ /h (gal/min)	13.5 (59.4)	16 (70.4)	18.6 (81.84)	2.47 (90.07)	22.4 (98.56)	25.5 (112.2)	28.8 (126.7)	36 (158.4)
Plunger Diameter mm	35	38	41	43	45	48	51	57
Stroke Length mm	127							
Pump Speed r/min	370							
Pump Efficiency %	≥85							
Electric Moto	Type	Y315M2-4						
	power kW(hp)	160(215)						
	Rotate Speed r/min	1480						
	(Electric Voltage)V	380						
Input Line Diameter mm	φ114×4(4"×0.16")							
Output Line Diameter mm	φ88.9×12(3"×0.47")							
Overall Dimension mm	3450×2380×1710							
Packing Dimension mm	3950×2450×2100							
Total Weight kg (bl)	6895(15200)							
Lubricating Oil In Crankcase	CC15W/40							
Belt Type	2×4ZV25J—5080							

5ZB-12/30

Transmission Media		Shimizu ,Sewage						
Media Temperature °C		≤80						
Input Pressure MPa (psi)		0.03~1.5(4.35~218)						
Rated Discharge Pressure MPa(psi)	30 (4351)	25 (3626)	21.5 (3118)	19.5 (2828)	18 (2611)	16 (2321)	14 (2030)	11 (1595)
Rated Flow Rate m ³ /h (gal/min)	11.8 (51.92)	14.4 (63.36)	16.7 (73.48)	18.8 (82.72)	20.2 (88.88)	23.4 (103)	26.5 (116.6)	33.1 (145.6)
Theoretical Flow Rate m ³ /h (gal/min)	13.5 (59.4)	16 (70.4)	18.6 (81.84)	20.47 (90.07)	22.4 (98.56)	25.5 (112.2)	28.8 (126.7)	36 (158.4)
Plunger Diameter mm	35	38	41	43	45	48	51	57
Stroke Length mm	127							
Pump Speed r/min	370							
Pump Efficiency %	≥85							
Electric Moto	Type	Y315M2-4						
	power kW(hp)	160(215)						
	Rotate Speed r/min	1480						
	(Electric Voltage)V	380						
Input Line Diameter mm	φ114×4 (4"×0.16")							
Output Line Diameter mm	φ88.9×12 (3"×0.47")							
Overall Dimension mm	3450×2380×1710							
Packing Dimension mm	3950×2450×2100							
Total Weight kg (bl)	6895(15200)							
Lubricating Oil In Crankcase	CC15W/40							
Belt Type	2×4ZV25J—5080							

5ZB-20/43&5ZB-20/38&5ZB-16/41&5ZB-14/42&5ZB-14/38

The pump is based on oil field development and design high-pressure water injection process requirements, a new piston pump, pump hydraulic end of the horizontal plate seamless combination of the overall pump head valve structure, simple structure, easy operation and maintenance, pump-efficient, hydraulic end of pump head and wearing parts and long service life characteristics. The pump is mainly used for high-pressure injection and hydraulic oil as the main driving force of the various types of equipment.

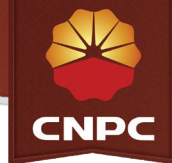


5ZB-20/43

Transmission Media	Shimizu ,Sewage									
Media Temperature °C	≤80									
Input Pressure MPa (psi)	0.03~1.5(4.35~218)									
Rated Discharge Pressure MPa(psi)	45	48	51	55	60	63	65	70	75	80
Rated Flow Rate m ³ /h (gal/min)	19.4 (85.5)	22.1 (97.2)	25.8 (114)	30 (132)	35.7 (157)	39.4 (173)	42 (185)	49.7 (219)	57 (251)	65 (286)
Theoretical Flow Rate m ³ /h (gal/min)	22.3 (98)	25.4 (112)	28.6 (126)	33.3 (147)	39.7 (175)	43.7 (192)	46.6 (205)	54 (238)	62 (273)	70 (308)
Plunger Diameter mm	43 (6236)	38 (5511)	33.6 (4873)	28.9 (4191)	24.2 (3510)	22 (3191)	20.7 (3002)	17.8 (2582)	15.5 (2248)	13.6 (1972)
Stroke Length mm	180	Input Line Diameter mm					φ140×8(5"×0.31")			
Pump Speed r/min	260	Output Line Diameter mm					φ89×12(3"×0.47")			
Pump Efficiency %	≥85	Overall Dimension mm					3900×2630×1580			
Lubricating Oil in Crankcase	CC15W/40	Total Weight kg					8900			
Packing Dimension mm	4400×2730×2000									
Electric Motor	315 kw (423hp) 380V 6 step									

5ZB-20/38

Transmission Media	Shimizu ,Sewage									
Media Temperature °C	≤80									
Input Pressure MPa (psi)	0.03~1.5(4.35~218)									
Rated Discharge Pressure MPa(psi)	45	48	51	55	60	65	70	75	80	
Rated Flow Rate m ³ /h (gal/min)	19.4 (85.4)	22.1 (97.2)	25.8 (114)	30 (132)	35.7 (157)	42 (185)	49.7 (219)	57 (251)	65 (286)	
Theoretical Flow Rate m ³ /h (gal/min)	22.3 (98.1)	25.4 (112)	28.6 (126)	33.3 (147)	39.7 (175)	46.6 (205)	54 (238)	62 (273)	70 (308)	
Plunger Diameter mm	38.4 (5569)	33.7 (4888)	29.8 (4321)	25.6 (3713)	21.5 (3118)	18.4 (2669)	15.8 (2292)	13.8 (2001)	12.1 (1755)	
Stroke Length mm	180	Input Line Diameter mm					φ140×8 (5"×0.31")			
Pump Speed r/min	260	Output Line Diameter mm					φ89×12 (3"×0.47")			
Pump Efficiency %	≥85	Overall Dimension mm					3900×2630×1580			
Lubricating Oil in Crankcase	CC15W/40	Total Weight kg					8900			
Packing Dimension mm	4400×2730×2000									
Electric Motor	280kW(376hp) 380V 6 step									



5ZB-16/41

Transmission Media	Shimizu ,Sewage										
Media Temperature °C	≤80										
Input Pressure MPa (psi)	0.03~1.5(4.35~218)										
Rated Discharge Pressure MPa(ψsi)	41	45	48	51	55	60	65	70	75	80	
Rated Flow Rate m ³ /h (gal/min)	16.1 (70.8)	19.4 (85.4)	22.1 (97.2)	25.8 (114)	30 (132)	35.7 (157)	42 (185)	49.7 (219)	57 (251)	64.4 (286)	
Theoretical Flow Rate m ³ /h (gal/min)	18.5 (81.4)	22.3 (98.2)	25.4 (112)	28.6 (126)	33.3 (147)	39.7 (175)	46.6 (205)	54 (238)	62 (273)	70 (308)	
Plunger Diameter mm	41.2 (5975)	34.3 (4975)	30.1 (4365)	26.6 (3858)	22.9 (3321)	19.2 (2785)	16.4 (2379)	14.1 (2045)	12.3 (1784)	10.8 (1566)	
Stroke Length mm	180		Input Line Diameter mm					φ140×8 (5"×0.31")			
Pump Speed r/min	260		Output Line Diameter mm					φ89×12 (3"×0.47")			
Pump Efficiency %	≥85		Overall Dimension mm					3900×2630×1580			
Lubricating Oil in Crankcase	CC15W/40		Total Weight kg					8900			
Packing Dimension mm	4400×2730×2000										
Electric Motor	250kw (336hp) 380V 6 step										

5ZB-14/42

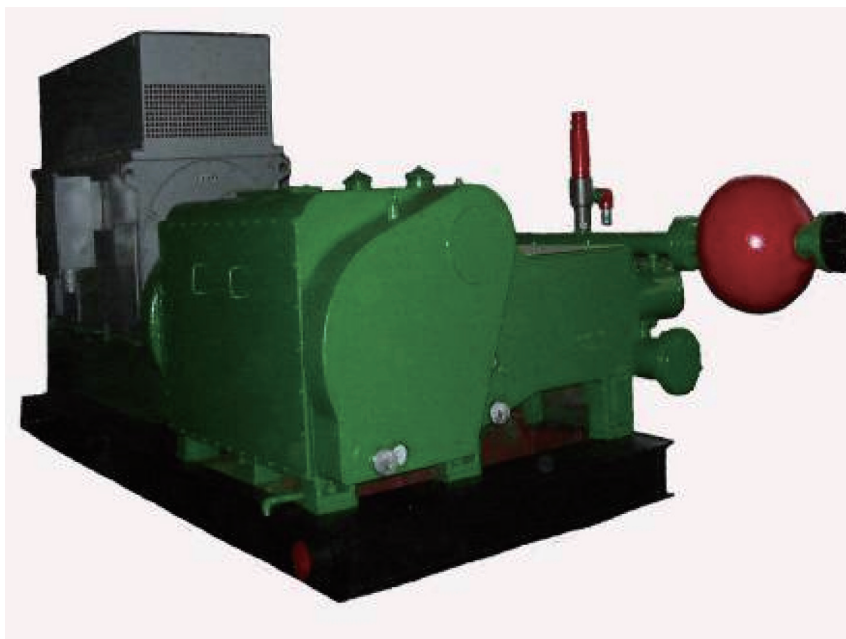
Transmission Media	Shimizu ,Sewage										
Media Temperature °C	≤80										
Input Pressure MPa (psi)	0.03~1.5(4.35~218)										
Rated Discharge Pressure MPa(ψsi)	38	41	45	48	51	55	60	65	70	75	80
Rated Flow Rate m ³ /h (gal/min)	13.8 (60.7)	16.1 (70.8)	19.4 (85.4)	22.1 (97.2)	25.8 (114)	30 (132)	35.7 (157)	42 (185)	49.7 (219)	57 (251)	65 (286)
Theoretical Flow Rate m ³ /h (gal/min)	15.9 (70)	18.5 (81.4)	22.3 (98.1)	25.4 (112)	28.6 (126)	33.3 (147)	39.7 (175)	46.6 (205)	54 (238)	62 (273)	70 (308)
Plunger Diameter mm	42.2 (6120)	36.3 (5265)	30.1 (4365)	26.5 (3843)	23.4 (3394)	20.1 (2915)	17 (2466)	14.4 (2088)	12.4 (1798)	10.8 (1566)	9.5 (1378)
Stroke Length mm	180		Input Line Diameter mm					φ140×8 (5"×0.31")			
Pump Speed r/min	260		Output Line Diameter mm					φ89×12(3"×0.47")			
Pump Efficiency %	≥85		Overall Dimension mm					3900×2630×1580			
Lubricating Oil in Crankcase	CC15W/40		Total Weight kg					8900			
Packing Dimension mm	4400×2730×2000										
Electric Motor	220kW (295hp) 380V 6 step										

5ZB-14/38

Transmission Media	Shimizu ,Sewage										
Media Temperature °C	≤80										
Input Pressure MPa (psi)	0.03~1.5(4.35~218)										
Rated Discharge Pressure MPa(ψsi)	38	41	45	48	51	55	60	65	70	75	80
Rated Flow Rate m ³ /h (gal/min)	13.8 (60.7)	16.1 (70.8)	19.4 (85.4)	22.1 (97.2)	25.8 (114)	30 (132)	35.7 (157)	42 (185)	49.7 (219)	57 (251)	65 (286)
Theoretical Flow Rate m ³ /h (gal/min)	15.9 (70)	18.5 (81.4)	22.3 (98.1)	25.4 (112)	28.6 (126)	33.3 (147)	39.7 (175)	46.6 (205)	54 (238)	62 (273)	70 (3.8)
Plunger Diameter mm	38.4 (5569)	33 (4786)	27.4 (3974)	24.1 (3495)	21.3 (3089)	18.3 (2654)	15.4 (2234)	13.1 (1900)	11.3 (1639)	9.8 (1421)	8.6 (1247)
Stroke Length mm	180		Input Line Diameter mm					φ140×8(5"×0.31")			
Pump Speed r/min	260		Output Line Diameter mm					φ89×12(3"×0.47")			
Pump Efficiency %	≥85		Overall Dimension mm					3900×2630×1580			
Lubricating Oil in Crankcase	CC15W/40		Total Weight kg					8900			
Packing Dimension mm	4400×2730×2000										
Electric Motor	200kw(268hp) 380V 6 step										

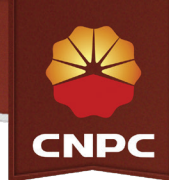
5ZB-48/28&5ZB-48/25

Its hydraulic end is designed to the structure of integral pump head .this pump has the characteristics of simple structure, works reliably with easy operation and maintenance, and has high pumping efficiency with long service life of the consumable parts it is suitable for high-pressure water injection in oil field and for various types of equipment with hydraulic pressure acting as their power.



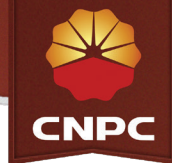
2.5ZB-48/28

Transmission Media		Shimizu ,Sewage				
Media Temperature °C		≤80				
Input Pressure MPa (psi)		0.03~1(4.35~145)				
Rated Discharge Pressure MPa(psi)	28 (4061)	22 (3191)	17 (2466)	14 (2030)	12 (1740)	
Rated Flow Rate m ³ /h (gal/min)	48.8 (214.7)	63.8 (280.7)	80.7 (355.1)	100 (440)	118 (519)	
Theoretical Flow Rate m ³ /h (gal/min)	53 (233.2)	69.3 (304.9)	87.8 (386.3)	108.3 (476.5)	131 (576)	
Plunger Diameter mm	70	80	90	100	110	
Stroke Length mm	230					
Pump Speed r/min	200					
Pump Efficiency %	≥85					
Electric Motor	Type	Y5001—8				
	power kW(hp)	500(671)				
	Rotate Speed r/min	743				
	(Electric Voltage)V	6000				
Input Line Diameter mm	φ203×4(8"×0.16")					
Output Line Diameter mm	φ102×10(3 1/2"×0.39")					
Overall Dimension mm	2915×5610×1845					
Packing Dimension mm	3200×6100×2250					
Lubricating Oil In Crankcase	CC15W/40					



5ZB-48/25

Transmission Media		Shimizu , Sewage			
Media Temperature °C		≤80			
Input Pressure MPa (psi)		0.03~1(4.35~145)			
Rated Discharge Pressure MPa(psi)	25 (3626)	20 (2901)	15 (2175)	12 (1740)	
Rated Flow Rate m ³ /h (gal/min)	48.8 (214.7)	63.8 (280.7)	80.7 (355.1)	100 (440)	
Theoretical Flow Rate m ³ /h (gal/min)	53 (233.2)	69.3 (304.9)	87.8 (386.3)	108.3 (476.5)	
Plunger Diameter mm	70	80	90	100	
Stroke Length mm	230				
Pump Speed r/min	200				
Pump Efficiency %	≥85				
Electric Motor	Type	Y4504 –			
	power kW(hp)	450(604)			
	Rotate Speed r/min	743			
	(Electric Voltage)V	6000			
Input Line Diameter mm	φ203×4 (8"×0.16")				
Output Line Diameter mm	φ102×10 (3 1/2"×0.39")				
Overall Dimension mm	2915×5610×1845				
Packing Dimension mm	3200×6100×2250				
Total Weight kg (bl)					
Lubricating Oil In Crankcase	CC15W/40				



5ZB-15/44

Product Explanation:

The pump is based on oil field development and design high-pressure water injection process requirements, a new piston pump, pump hydraulic end of the horizontal plate seamless combination of the overall pump head valve structure, simple structure, easy operation and maintenance, pump-efficient, hydraulic end of pump head and wearing parts and long service life characteristics. The pump is mainly used for high-pressure injection and hydraulic oil as the main driving force of the various types of equipment.

Product Specifications:

Transmission Media		Shimizu ,Sewage							
Media Temperature °C		≤80							
Input Pressure MPa (psi)		0.03~1.5							
Rated Discharge Pressure MPa(psi)		44.6	35.2	28.5	23.6	19.8	17	14.6	12.7
Rated Flow Rate m ³ /h (gal/min)		14.9	18.9	24.1	29.2	35.5	41.7	48.3	55.5
Theoretical Flow Rate m ³ /h (gal/min)		17.1	21.7	26.8	32.4	38.6	45.3	52.5	60.3
Plunger Diameter mm		40	45	50	55	60	65	70	75
Stroke Length mm		130							
Pump Speed r/min		350							
Pump Efficiency %		≥85							
Electric Motor	Type	Y355—4							
	power kW(hp)	250							
	Rotate Speed r/min	1480							
	(Electric Voltage)V	380							
Input Line Diameter mm		φ159×8							
Output Line Diameter mm		3-1/2"TBG							
Overall Dimension mm		3570×2485×1565							
Packing Dimension mm		CD15W/40							
Belt Type		Five joint narrow V belt 25J×5380							

5ZB – 20/43 II

Product Explanation:

The pump is based on oil field development and design high-pressure water injection process requirements, a new piston pump, pump hydraulic end of the horizontal plate seamless combination of the overall pump head valve structure, simple structure, easy operation and maintenance, pump-efficient, hydraulic end of pump head and wearing parts and long service life characteristics. The pump is mainly used for high-pressure injection and hydraulic oil as the main driving force of the various types of equipment

Product Specifications:

Transmission Media		Shimizu, Sewage						
Media Temperature °C		≤80						
Input Pressure MPa (psi)		0.03~1.5						
Rated Discharge Pressure MPa(psi)	43	35	28.9	24.2	20.7	17.8	15.5	
Rated Flow Rate m ³ /h (gal/min)	19.4	24	30	35.7	42	49.7	57	
Theoretical Flow Rate m ³ /h (gal/min)	22.3	27.6	33.3	39.7	46.6	54	62	
Plunger Diameter mm	45	50	55	60	65	70	75	
Stroke Length mm	180							
Pump Speed r/min	260							
Pump Efficiency %	≥85							
Electric Motor	Type	Y2-400MB-6						
	power kW(hp)	315						
	Rotate Speed r/min	980						
	(Electric Voltage)V	380						
Input Line Diameter mm	φ159×8							
Output Line Diameter mm	3-1/2"TBG							
Overall Dimension mm	4030×2740×1612							
Packing Dimension mm	CD15W/40							
Belt Type	14ZV25J-6000							

5ZB—130/7

Product Explanation:

The pump is based on oil field development and design high-pressure water injection process requirements, a new piston pump, pump hydraulic end of the horizontal plate seamless combination of the overall pump head valve structure, simple structure, easy operation and maintenance, pump-efficient, hydraulic end of pump head and wearing parts and long service life characteristics. The pump is mainly used for high-pressure injection and hydraulic oil as the main

Product Specifications:

Transmission Media		Shimizu, Sewage			
Media Temperature °C		≤80			
Input Pressure MPa (psi)		0.03~1.5			
Rated Discharge Pressure MPa(psi)	13.6	10.8	8.7	7.2	
Rated Flow Rate m ³ /h (gal/min)	65	82	101	123	
Theoretical Flow Rate m ³ /h (gal/min)	70	89	110	133	
Plunger Diameter mm	80	90	100	110	
Stroke Length mm	180				
Pump Speed r/min	260				
Pump Efficiency %	≥85				
Electric Motor	Type	Y2—400MB—6			
	power kW(hp)	315			
	Rotate Speed r/min	980			
	(Electric Voltage)V	380			
Input Line Diameter mm	φ219×8				
Output Line Diameter mm	4-1/2"TBG				
Overall Dimension mm	4-125×2930×1685				
Packing Dimension mm	CD15W/40				
Belt Type	14ZV25J—6000				

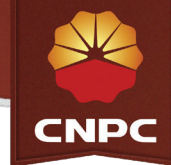
ZB – 42/40

Product Explanation:

The pump is based on oil field development and design high-pressure water injection process requirements, a new piston pump, pump hydraulic end of the horizontal plate seamless combination of the overall pump head valve structure, simple structure, easy operation and maintenance, pump-efficient, hydraulic end of pump head and wearing parts and long service life characteristics. The pump is mainly used for high-pressure injection and hydraulic oil as the main driving force of the various types of equipment.

Product Specifications:

Transmission Media		Shimizu ,Sewage			
Media Temperature °C		≤80			
Input Pressure MPa (psi)		0.03~1.5			
Rated Discharge Pressure MPa(psi)		40	34	29	25
Rated Flow Rate m ³ /h (gal/min)		42	50	60	68
Theoretical Flow Rate m ³ /h (gal/min)		48.6	57.3	66.5	76.3
Plunger Diameter mm		60	65	70	75
Stroke Length mm		240			
Pump Speed r/min		240			
Pump Efficiency %		≥85			
Electric Motor	Type	YKK500—6			
	power kW(hp)	630			
	Rotate Speed r/min	990			
	(Electric Voltage)V	10			
Input Line Diameter mm		φ159×8			
Output Line Diameter mm		φ90×15			
Overall Dimension mm		5800×2700×2380			
Lubricating Oil In Crankcase		N150 Load Industry Gear Oi			



5ZB – 180/10

Product Explanation:

The pump is based on oil field development and design high-pressure water injection process requirements, a new piston pump, pump hydraulic end of the horizontal plate seamless combination of the overall pump head valve structure, simple structure, easy operation and maintenance, pump-efficient, hydraulic end of pump head and wearing parts and long service life characteristics. The pump is mainly used for high-pressure injection and hydraulic oil as the main driving force of the various types of equipment.

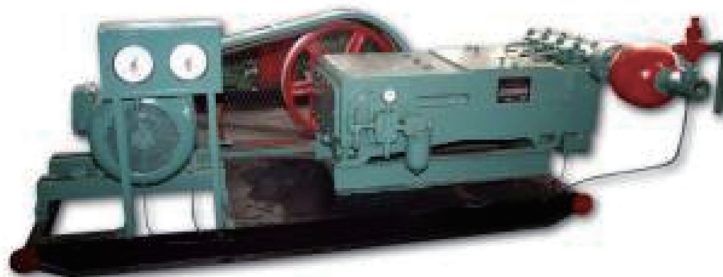
Product Specifications:

Transmission Media		Shimizu ,Sewage								
Media Temperature °C		≤80								
Input Pressure MPa (psi)		0.03~1.5								
Rated Discharge Pressure MPa(psi)		22	20	18	16	14	13	12	11	10
Rated Flow Rate m ³ /h (gal/min)		78	88	101	112	125	137	151	165	180
Theoretical Flow Rate m ³ /h (gal/min)		86.86	98.05	109.93	122.48	135.72	149.63	164.22	179.48	195.43
Plunger Diameter mm		80	85	90	95	100	105	110	115	120
Stroke Length mm		240								
Pump Speed r/min		240								
Pump Efficiency %		≥85								
Electric Moto	Type	YKK500 – 6								
	power kW(hp)	630								
	Rotate Speed r/min	990								
	(Electric Voltage)V	10								
Input Line Diameter mm		φ219×8								
Output Line Diameter mm		φ114×17								
Overall Dimension mm		5800×2834×2380								
Lubricating Oil In Crankcase		φ159×8								

3ZY-4/37

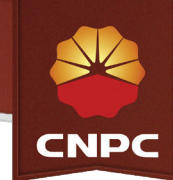
Product Explanation:

This pump adopts the principle of equilibrium for optimization design. It has reasonable structure and works reliably with energy conservation. It has feature of high suction pressure. And it can be connected with the high-pressure medium's pipe network directly to carry out pressurizing job. This pump is mainly used in oil field for pressurized water injecting and in the field for pressurizing to feed high-pressure medium.



Product Specifications:

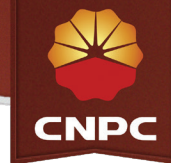
Transmission Media		Shimizu , Sewage				
Media Temperature °C		≤80				
Input Pressure MPa (psi)		15~18 (2175~2160)			13~15 (1885~2175)	15-16 (2175~2321)
Rated Discharge Pressure MPa(psi)	33~37 (4786~5366)	28~32 (4061~4641)	25~28 (4641~4061)	23~26 (3336~3771)	21~23 (3046~3336)	22 (3091)
Rated Flow Rate m ³ /h (gal/min)	3.4 (14.96)	4.7 (20.68)	5.5 (24.2)	6.7 (29.48)	6.7 (29.48)	4.7 (20.68)
Theoretical Flow Rate m ³ /h (gal/min)	3.8 (16.72)	5.2 (22.88)	6.1 (26.84)	7.5 (33)	7.5 (33)	5.2 (22.88)
Plunger Diameter mm	30/24	35/26	38/26	42/30	42/30	35/24
Balance Rate %	66—89	70—96	74—99	63—85	69—87	72—77
Stroke Length mm	100					
Pump Speed r/min	300					
Pump Efficiency %	≥85					
Electric Motor	Type	Y225M—6				Y200L16
	power kW(hp)	30(40)				22(30)
	Rotate Speed r/min	980				980
	(Electric Voltage)V	380				380
Input Line Diameter mm	φ88.9×12(3"×0.47")					
Output Line Diameter mm	φ60.3×11(2"×0.43")					
Overall Dimension mm	2720×1840×1014					
Overall Dimension mm	3200×19500×1450					
Total Weight kg (bl)	1904(4197)					
Lubricating Oil In Crankcase	CC15W/40					
Belt Type	5ZV15J—3350					



3ZY-4/37II

Product Specifications:

Transmission Media		Shimizu ,Sewage				
Media Temperature °C		≤80				
Input Pressure MPa (psi)		15~18			13~15	15~16
Rated Discharge Pressure MPa(psi)		33~37	28~32	25~28	23~26	30~34
Rated Flow Rate m ³ /h (gal/min)		3.4	4.7	5.5	6.7	6.7
Theoretical Flow Rate m ³ /h (gal/min)		3.8	5.2	6.1	7.5	7.5
Plunger Diameter mm		30/24	35/26	38/26	42/30	42/30
Stroke Length mm		66~89	70~96	74~99	63~85	69~87
Balance Rate %		100				
Pump Speed r/min		300				
Pump Efficiency %		≥85				
Electric Motor	Type	Y225M-6			Y200L1—6	
	power kW(hp)	30			22	
	Rotate Speed r/min	980				
	(Electric Voltage)V	380				
Input Line Diameter mm		φ88.9×12				
Output Line Diameter mm		φ60.3×11				
Overall Dimension mm		2941×1392×994				
Total Weight kg (bl)		1904				
Lubricating Oil In Crankcase		CC15W/40	Belt Type		5ZV15J—3350	



3ZY-4/48

Product Explanation:

The pump adopts the principle of equilibrium for optimization design. It has features of high suction pressure. And it can be connected with the high-pressure medium's pipe network directly to carry out pressurizing job, which can not only decrease the investment of ground construction but also save the energy. This pump is mainly used in oil field for pressurized water injecting and in the field for pressurizing to feed high-pressure medium.

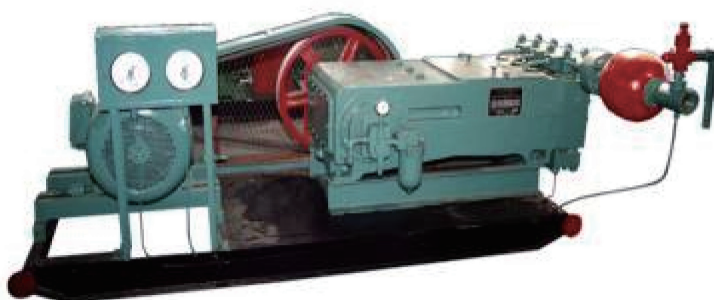
Product Specifications:

Transmission Media		Shimizu ,Sewage		
Media Temperature °C		≤80		
Input Pressure MPa (psi)		30~35 (4351~5076)	14~17 (2030~2466)	22~24 (3191~3481)
Rated Discharge Pressure MPa(psi)		43~48 (6236~6961)	45~50 (6526~7252)	48~50 (6526~7252)
Rated Flow Rate m ³ /h (gal/min)		4.3 (18.92)	3.9 (17.16)	3 (13.2)
Theoretical Flow Rate m ³ /h (gal/min)		4.95 (21.78)	4.7 (20.68)	3.3 (14.52)
Plunger Diameter mm		35/24	30/25	30/24
Stroke Length mm		65-84	80~100	72-82
Balance Rate %		110		
Pump Speed r/min		260	260	260
Pump Efficiency %		≥85		
Electric Motor	Type	Y250M—6	Y280M—6	YGT250M-6
	power kW(hp)	37(50)	55(74)	37(50)
	Rotate Speed r/min	980	980	980
	Electric Voltage V	380		1140
Input Line Diameter mm	φ89×14 (3"×0.55")	φ60.3×13 (2"×0.51)	φ89×14 (3"×0.55")	
Output Line Diameter mm	φ60.3×13(2"×0.51)			
verall Dimension mm	2815×2096×1085			
Packing Dimension mm	3300×2200×1500			
Total Weight kg (lb)	2255(4971)			
Lubricating Oil In Crankcase	CC15W/40			
Belt Type	6ZV15J—3350			

3ZY-7/40&3ZY-7/40A

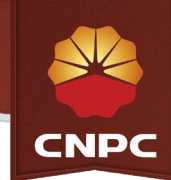
Product Explanation:

This pump's driving end ,after optimization design ,has reasonable structure and it works reliably. 3ZY-7/40 pump applies splashing lubrication while 3ZY-7/40A pump applies forced lubrication. Please clarify the pump's model in the contract when placing an order. It's mainly used in oil field for water injecting booster. The feeding medium clean water or sewage and it requires there is no mechanical impurity and crude oil in the medium.



Product Specifications:

Transmission Media		Shimizu ,Sewage			
Media Temperature °C		≤80			
Input Pressure MPa (psi)	25 (3626)	24~25 (3481~3625)	20 (2901)	13~17 (1885~2466)	18~21 (2611~3046)
Rated Discharge Pressure MPa(ψ)	36~37 (5221~5366)	34~35 (4931~5076)	33~36 (4786~5221)	30~34 (4351~4931)	32~36 (4641~5221)
Rated Flow Rate m ³ /h (gal/min)	6.4 (28.16)	8 (35.2)	6.4 (28.16)	6.4 (28.16)	8 (35.2)
Theoretical Flow Rate m ³ /h (gal/min)	7.1 (31.24)	8.7 (38.28)	7.1 (31.24)	7.1 (31.24)	8.7 (38.28)
Plunger Diameter mm	38/26	42/26	38/30	38/30	42/30
Stroke Length mm	76~84	83~86	62~68	66~98	74~97
Balance Rate %	110				
Pump Speed r/min	320				
Pump Efficiency %	≥85				
Electric Motor	Type	Y250M—6		Y280M—6	
	power kW(hp)	37(50)		55(74)	
	Rotate Speed r/min	980			
	Electric Voltage V	380			
Input Line Diameter mm	φ88.9×12(3"×0.47")				
Output Line Diameter mm	φ60.3×11(2"×0.43")				
Overall Dimension mm	2740×1808×1000				
Packing Dimension mm	3250×1900×1400				
Total Weight kg (bl)	2521(5558)			2649(5840)	
Lubricating Oil In Crankcase	CC15W/40		Belt Type	5ZV15J—3350	



3ZY-7/40II

Product Specifications:

Transmission Media		Shimizu ,Sewage			
Media Temperature °C		≤80			
Input Pressure MPa (psi)	25	24~25	20	13~17	18~21
Rated Discharge Pressure MPa(psi)	36~37	34~35	33~36	30~34	32~36
Rated Flow Rate m ³ /h (gal/min)	6.4	8	6.4	6.4	8
Theoretical Flow Rate m ³ /h (gal/min)	7.1	8.7	7.1	7.1	8.7
Plunger Diameter mm	38/26	42/26	38/30	38/30	42/30
Stroke Length mm	76~84	83~86	62~68	66~98	74~97
Balance Rate %	110				
Pump Speed r/min	320				
Pump Efficiency %	≥80				
Electric Motor	Type	Y250M—6	YPT250M-6	Y280M—6	
	power kW(hp)	37	37	55	
	Rotate Speed r/min	980			
	Electric Voltage V	380			
Input Line Diameter mm	φ88.9×12				
Output Line Diameter mm	φ60.3×11				
Overall Dimension mm	2959×1538×994				
Total Weight kg (bl)	2521		2649		
Lubricating Oil In Crankcase	CC15W/40		Belt Type	5ZV15J—3350	

3ZY-9/45

Product Explanation:

This pump, based on the dominant type of 3H—8/450, has high successive coefficient which reduces the stockpile of consumable parts. The hydraulic end applies the structure of “traight-through outer-fitted valve”



Product Specifications:

Transmission Media		Shimizu ,Sewage			
Media Temperature °C		≤80			
Input Pressure MPa (psi)		15~18 (2175~2611)	20	13~15 (1885~2175)	17 (2466)
Rated Discharge Pressure MPa(psi)		45 (6526)	45	30 (4351)	37 (5366)
Rated Flow Rate m ³ /h (gal/min)		8.3 (36.52)	8.3	12 (52.8)	13.3 (58.52)
Theoretical Flow Rate m ³ /h (gal/min)		9.5 (41.8)	9.5	13.45 (59.18)	15.3 (67.32)
Plunger Diameter mm		38/32	38/30	45/35	48/36
Stroke Length mm		72~87	85	79~91	95
Stroke Length mm		127			
Pump Speed r/min		370			
Pump Efficiency %		≥85			
Electric Moto	Type	Y280M—4			
	power kW(hp)	90(120)			110(148)
	Rotate Speed r/min	1480			
	(Electric Voltage)V	380			
Input Line Diameter mm		φ89×12(3"×0.47")			
Output Line Diameter mm		φ60×11(2"×0.43")			
Overall Dimension mm		3450×2146×1640			
Packing Dimension mm		3950×2250×2100			
Total Weight kg (bl)		4500(9920)			
Lubricating Oil In Crankcase		CC15W/40			
Belt Type		6ZV15J—5080			



5ZY-25/35

Product Explanation:

The pump is 5ZB-12/42 type as the base type, inherit a high coefficient can reduce the wearing parts of the reserves, hydraulic end of a "straight-through exterior plate valve" structure, packing box 2 seals, plunger with individually balanced approach. Pressurized water is mainly used for oil field and the need to boost high-pressure media delivery place

Product Specifications:

Transmission Media		Shimizu ,Sewage		
Media Temperature °C		≤80		
Input Pressure MPa (psi)		15~17 (2175~2466)	14~15 (2030~2175)	15 (2175)
Rated Discharge Pressure MPa(psi)		35 (5076)	20 (2901)	25 (3626)
Rated Flow Rate m ³ /h (gal/min)		23.5 (103.4)	23.5 (103.4)	23.5 (103.4)
heoretical Flow Ratem ³ /h (gal/min)		25 (100)	25 (100)	25 (100)
Plunger Diameter mm		48/36	48/30	48/32
Stroke Length mm		90~100	80	99
Stroke Length mm		127		
Pump Speed r/min		370		
Pump Efficiency %		≥85		
Electric Moto	Type	Y315L—4		
	power kW(hp)	185		
	Rotate Speed r/min		1470	
	(Electric Voltage)V		380	
Input Line Diameter mm		φ89×12(3"×0.47")		
Output Line Diameter mm		φ89×12(3"×0.47")		
Overall Dimension mm		3450×2508×1640		
Packing Dimension mm			3950×2650×2100	
Total Weight kg (bl)		7200(15873)		
Lubricating Oil In Crankcase		CC15W/40		
Belt Type		2×4ZV25J—5080		



3CZY-8/45

Product Explanation:

The pump is based on oil field development and design high-pressure water injection process requirements, a new booster pump, pump hydraulic end of the horizontal plate seamless combination of the overall pump head valve structure, simple structure, easy operation and maintenance, pump-efficient, hydraulic side pump head and wearing parts and long service life characteristics. The pump is mainly used for high-pressure water injection and a hydraulic oil as the main driving force of the various types of equipment.

Product Specifications:

Transmission Media		Shimizu ,Sewage						
Media Temperature °C		≤80						
Input Pressure MPa (psi)		0.3~18 (43.5~2611)						
Rated Discharge Pressure MPa(psi)	44 (6381)	37 (5366)	32 (4641)	28 (4061)	27 (3916)	22.5 (3263)	21 (3046)	16 (2321)
Rated Flow Rate m ³ /h (gal/min))	8.1 (35.64)	9.6 (42.24)	11.2 (49.28)	12.2 (53.68)	13.5 (59.4)	15.3 (67.32)	17.3 (76.12)	21.6 (95.04)
Theoretical Flow Rate m ³ /h (gal/min)	35	38	41	43	45	48	51	57
Stroke Length mm	127							
Pump Speed r/min	370							
Pump Efficiency %	≥85							
Electric Motor	Type	Y280M—4						
	power kW(hp)	110(148)						
	Rotate Speed r/min	1480						
	(Electric Voltage)V	380						
Input Line Diameter mm	φ114×12(4"×0.47")							
Output Line Diameter mm	φ60.3×11(2"×0.43")							
Overall Dimension mm	3452×1740×1520							
Packing Dimension mm	3950×1850×1950							
Total Weight kg (bl)	4500(9920)							
Lubricating Oil In Crankcase	CC15W/40							
Belt Type	6ZV15J—5080							

3ZJ-1.3/16

Product Explanation:

This pump is suitable for injecting polymer solution in tertiary oil recovery technology in oil field ,and is also suitable for injecting clean water and sewage in oil field. To meet the pump's requirement of injecting polymer, the pump's hydraulic ends,are all made of stainless steel . this pump has certain requirement of the shear rate when the polymer fluid flows through each section , hence,each flow section is optimum designed to meet different concentration of solution and different displacement of flow section . this pump according to the user's requirement ,can be operated with stepless speed regulation from pump speed of 100 rpm to rated pump speed of 320 rpm. this pump has the characteristics of compact structure small volume low weight high pump efficiency, smooth and reliable work easy operation and long service life of consumable parts,etc.



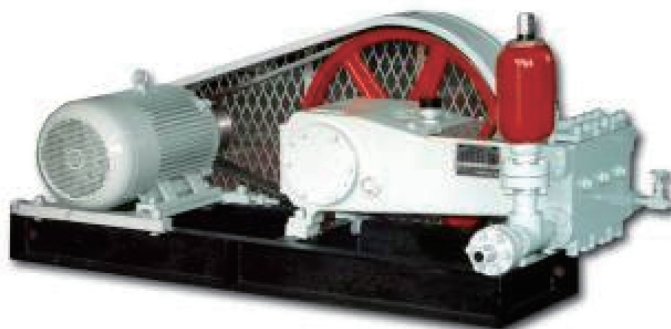
Product Specifications:

Transmission Media		Polymer solution										
Media Temperature °C		≤80										
Input Pressure MPa (psi)		0.03~1.0 (4.35~145)										
Rated Discharge Pressure MPa(psi)		16 (2321)										
Rated Flow Rate m ³ /h (gal/min)		0.60 (2.64)	0.70 (3.08)	0.75 (3.3)	0.80 (3.52)	0.85 (3.74)	0.90 (3.96)	0.95 (4.18)	1.00 (4.4)	1.10 (4.84)	1.20 (5.28)	1.30 (5.72)
Theoretical Flow Rate m ³ /h (gal/min)		0.73 (3.21)	0.78 (3.43)	0.83 (3.65)	0.89 (3.92)	0.94 (4.14)	1.00 (4.4)	1.05 (4.62)	1.11 (4.88)	1.22 (5.37)	1.35 (5.94)	1.45 (6.38)
Plunger Diameter mm		22					25					
Pulley Diameter mm		126	134	143	153	126	134	140	148	163	134	143
Pump Speed r/min		178	190	203	217	178	190	198	210	231	256	273
Stroke Length mm		60										
Pump Efficiency %		≥85										
Electric Motor	Type	Y160M1—8			Y160M2—8				Y160L—8		Y160M—6	
	power kW(hp)	4(5.4)			5.5(7.4)				7.5(10)		7.5(10)	
	Rotate Speed r/min	720			720				720		970	
	Electric Voltage V	380										
Input Line Diameter mm		48×4										
Output Line Diameter mm		42×6										
Overall Dimension mm		1662×700×630										
Packing Dimension mm		2150×800×1000										
Total Weight kg (bl)		600(1323)										
Lubricating Oil In Crankcase		18# Hypoid gear Oil										
Belt Type		1×4ZV9J—2410										

3ZJ—3.2/16

Product Explanation:

The pump is based on technical requirements for EOR oil designed for the development of pump type, it has small size, light weight, easy operation and maintenance and so on. The pump according to the nature of the polymer and its flow characteristics, fluid-side main parts of the design uses corrosion-resistant materials, pump head with the overall design, the suction fluid, the next row of liquid structure, the structure of the new valve so that it has a small resistance to the flow, viscosity and shear rate of degradation of low character. The high-pressure liquid pump for conveying a variety of operations, mainly used for oil field injection polymers, injection of sewage or water, and other high-viscosity liquid delivery.



Product Specifications:

Transmission Media	Polymer solution	Pump Efficiency %	≥85
Input Pressure MPa (psi)	0.06~1 (8.7~145)	Stroke Length mm	80
Rated Discharge Pressure MPa(psi)	16 (2321)	Input Line Diameter mm	Φ56×5.5
Overall Dimension mm	1830×850×800	Output Line Diameter mm	Φ42×6
Packing Dimension mm	2330×950×1200	Lubricating Oil In Crankcase	18# Hypoid gear Oil
Total Weight kg (bl)	800(1764)	Belt Type	1×4ZV15J—3000

Plunger Diameter mm	Theoretical Flow Rate m ³ /h(gal/min)	Rated Flow Rate m ³ /h(gal/min)	Pump Speed r/min	Belt Wheel Diameter mm	Electric Moto			
					Type	Horsepower kw(hp)	Rotate Speed r/min	Electric Voltage V
28	1.56(6.86)	1.4(6.16)	176	176	Y180L—8	11(15)	730	380
	1.67(7.35)	1.5(6.6)	188	188				
	1.78(7.83)	1.6(7.04)	200	200				
	2(8.8)	1.8(7.92)	226	225				
	2.12(9.33)	1.9(8.36)	239	238				
	2.23(9.81)	2(8.8)	251	250				
35	2.44(10.7)	2.2(9.68)	176	176	Y200L—8	15(20)	730	
	2.56(11.3)	2.3(9.68)	184	184				
	2.67(11.7)	2.4(10.6)	192	192				
	2.78(12.2)	2.5(11)	200	200				
	2.89(12.7)	2.6(11.4)	209	208				
	3(13.2)	2.7(11.9)	216	215				
	3.24(14.3)	2.9(12.8)	234	176	Y200L1—6	18.5(25)	970	
	3.4(14.96)	3(13.2)	245	184				
	3.47(15.27)	3.1(13.64)	250	188				
	3.55(15.62)	3.2(14.08)	256	192				

3ZJ—6/16

Product Features:

The pump is based on technical requirements for EOR oil field design and development of the pump, which has small size, light weight, easy operation and maintenance and so on. The pump according to the nature of the polymer and its flow characteristics, fluid-side main parts of the design uses corrosion-resistant materials, pump head with the overall design, the suction fluid, the next row of liquid structure, the structure of the new valve design allows its has a convection resistance, viscosity and shear rate of degradation of low character. The high-pressure liquid pump for conveying a variety of operations, mainly used for oil field injection polymers, injection of sewage or water, and other high viscosity fluid delivery



Product Specifications:

Transmission Media		Polymer solution						
Media Temperature °C		≤80						
Input Pressure MPa (psi)		0.06~1 (8.7~145)						
Rated Discharge Pressure MPa(psi)		16 (2321)						
Rated Flow Rate m ³ /h (gal/min)	3 (1.32)	3.5 (15.4)	4 (17.6)	4.5 (19.8)	5 (22)	5.5 (24.2)	6 (26.4)	6.5 (28.6)
Theoretical Flow Rat m ³ /h (gal/min)	3.3 (14.52)	3.89 (17.1)	4.45 (19.6)	5 (22)	5.57 (24.5)	6.11 (28.6)	6.67 (29.3)	7.25 (31.9)
Plunger Diameter mm	42							
Stroke Length mm	110							
Pump Speed r/min	120	142	162	182	203	223	244	264
Belt Wheel Diameter mm	180	212	242	205	228	250	180	195
Pump Efficiency %		≥85						
Electric Motor	Type	Y225S-8	Y225M-8	Y225M-6			Y225S-4	
	power kW(hp)	18.5(25)	22(30)	30(40)			37(50)	
	Rotate Speed r/min	730	730	970			1480	
	Electric Voltage V	380						
Input Line Diameter mm	φ63×4							
Output Line Diameter mm	φ52×6							
Overall Dimension mm	2600×1010×1200							
Packing Dimension mm	3100×1200×1600							
Total Weight kg (bl)	1600(3527)							
Lubricating Oil In Crankcase	8# Hypoid gear Oil		Belt Type		1 6ZV15J-4320			

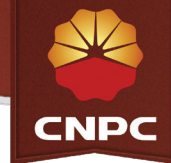
3ZJ—12/12

Product Features:

Pump is based on technical requirements for EOR oil field design and development of the pump, which has small size, light weight, easy operation and maintenance and so on. The pump according to the nature of the polymer and its flow characteristics, fluid-side main parts of the design uses corrosion-resistant materials, pump head with the overall design, the suction fluid, the next row of liquid structure, the structure of the new valve design allows its has a convection resistance, viscosity and shear rate of degradation of low character. The high-pressure liquid pump for conveying a variety of operations, mainly used for oil field injection polymers, injection of sewage or water, and other high viscosity fluid delivery.

Product Specifications:

Transmission Media		Shimizu ,Sewage					
Media Temperature °C		≤80					
Input Pressure MPa (psi)		0.03~1.5					
Rated Discharge Pressure MPa(psi)		27	23	19	17	16	12
Rated Flow Rate m ³ /h (gal/min)		5.7	6.7	8	9	10	12.8
Theoretical Flow Rate m ³ /h (gal/min)		6.4	7.4	9	10	11.4	14
Plunger Diameter mm		38	41	45	48	51	57
Stroke Length mm		127					
Pump Speed r/min		245					
Pump Efficiency %		≥80					
Electric Motor	Type	YB280M—6					
	power kW(hp)	55					
	Rotate Speed r/min	980					
	(Electric Voltage)V	380					
Input Line Diameter mm		φ114×4					
Output Line Diameter mm		φ60.3×11					
Overall Dimension mm		3450×1886×1640					
Total Weight kg (bl)		4500					
Lubricating Oil In Crankcase		CC15W/40					
Belt Type		Antistatic6ZV15J—5080					



3TP—7/35

Product Explanation:

The pump is based on oil field development and design of profile control process requirements, a new piston pump, the products are suitable for viscous and non-viscous liquid medium of the call to raise the recovery of crude oil. A simple structure, easy operation and maintenance, pump-efficient, fluid end pump head and wearing parts and long service life characteristics

Product Specifications:

Transmission Media		Plugging agent		
Media Temperature °C		≤80		
Input Pressure MPa (psi)		0.03~1		
Rated Discharge Pressure MPa(psi)		35		
Rated Flow Rate	m ³ /h (gal/min)	7.3	8.8	10
Theoretical Flow Rate	m ³ /h (gal/min)	8.3	10	11.5
Plunger Diameter	mm	45	48	51
Stroke Length	mm	180		
Pump Speed	r/min	194		
Pump Efficiency	%	≥80		
Electric Motor	Type		Y355M1-8	
	power kW(hp)		132	
	Rotate Speed r/min		740	
	Electric Voltage V		380	
Input Line Diameter	mm	φ114×8		
Output Line Diameter	mm	φ88.9×12		
Overall Dimension	mm	3570×1950×1380		
Total Weight	kg(bl)	5300		
Lubricating Oil In Crankcase		CD15W/40		
Belt Type		8ZV25J—5080		