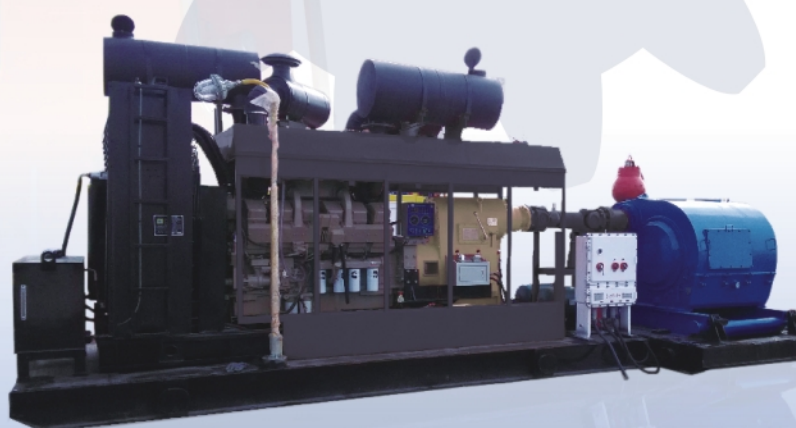
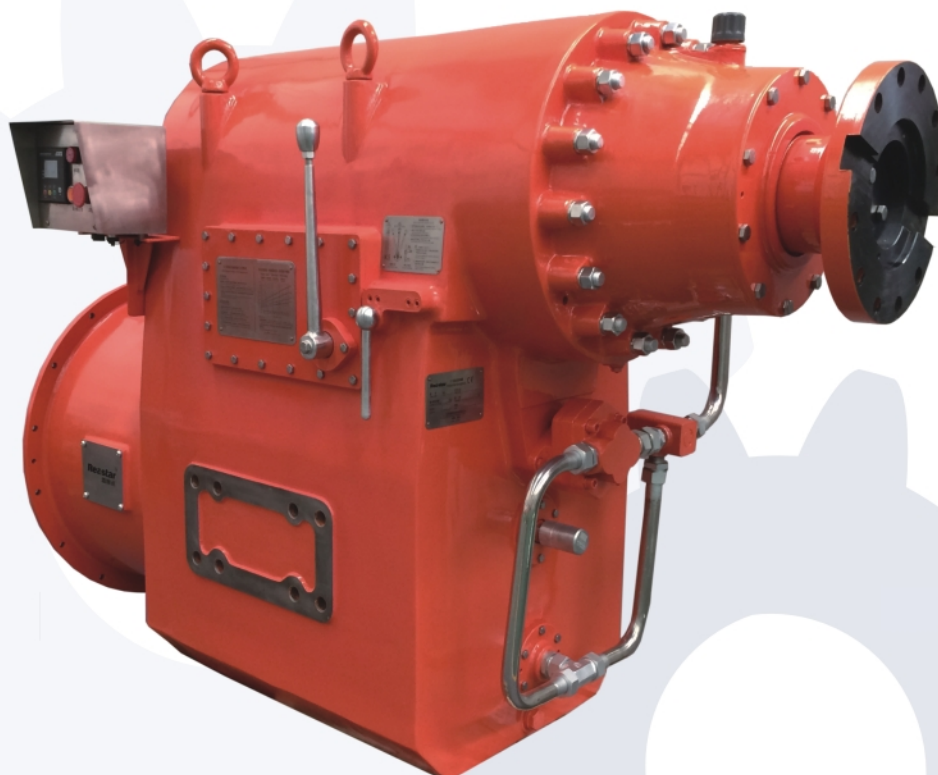


Reastar
雷斯达

Gearbox of the slush pump

World-first gearbox exclusive for the slush pump





I. Design parameters:

NT1041	Max.input rpm: 2100 rpm	Max. output torque: 10000 N.m
	Gear: 4 gears	Center distance: 484mm
	Input interface: SAE 1#(14")	Output interface: JB-285 JB-315
	Input/output direction of turning: clockwise (from the input end)	Dry weight:1060kg
	Clutch uniting mode: pneumatic control	Gearbox shift mode: manual shift

NT2040	Max.input rpm: 2100 rpm	Max. output torque: 20000 N.m
	Gear: 4 gears	Center distance: 542mm
	Input interface: SAE 0#(18")	Output interface: JB-315 JB-350
	Input/output direction of turning: clockwise (from the input end)	Dry weight:1870kg
	Clutch uniting mode: pneumatic control	Gearbox shift mode: manual shift

II. Speed ratio:

	Engine input revolving speed (RPM)	Speed ratio in the first gear	Speed ratio in the second gear	Speed ratio in the third gear	Speed ratio in the fourth gear	Jig frequency range of the slush pump (time/minute)	Supporting slush pump
NT1041	1300	5.068	3.857	2.836	2.100	40-170	F-500
	1500	5.919	4.505	3.312	2.452		F-800
	1800	6.904	5.254	3.863	2.860		3NB-600
	2100	8.058	6.132	4.509	3.338		

	Engine input revolving speed (RPM)	Speed ratio in the first gear	Speed ratio in the second gear	Speed ratio in the third gear	Speed ratio in the fourth gear	Jig frequency range of the slush pump (time/minute)	Supporting slush pump
NT2040	1300	4.855	3.651	2.613	2.010	40-150	F-1000
	1500	5.478	4.120	2.949	2.268		F-1300
	1800	6.959	5.233	3.746	2.880		3NB-800
	2100	8.337	6.269	4.487	3.450		

III. Performance:

■ Compact design and handy transport

Integrating the clutch and the gearbox into one, to shorten the transmission chain of the pump set; and designed in lifting mode, to realize direct connection of the engine and the slush pump.

■ Multiple gears for efficiency

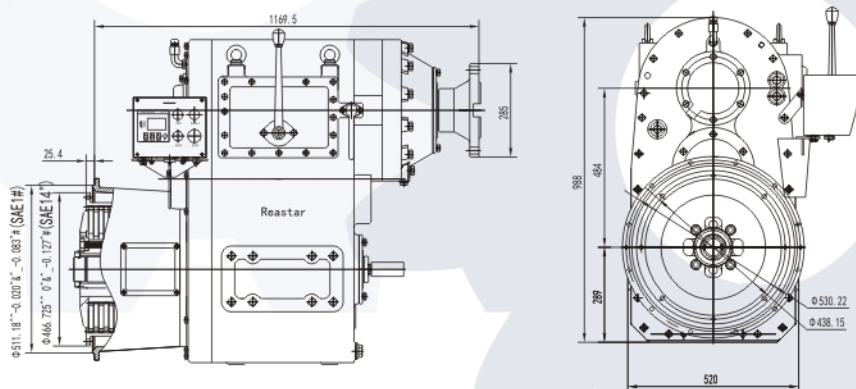
Four-gear design, to reduce replacement of the cylinder liners, so as to lower labor intensity and improve efficiency.

■ Remote control and real-time monitoring

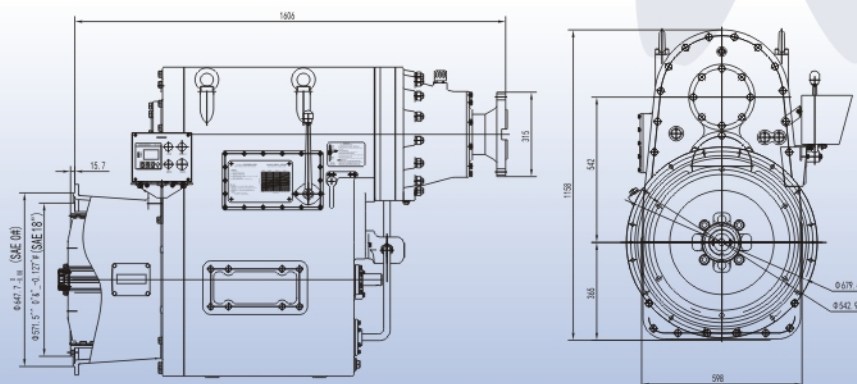
The clutch can be controlled remotely and operated on the driller's station.

IV. Boundary dimension

NT1041



NT2040



V. Application

Gearbox for NT-1041 Slush Pump					Slush pump			Engine			Jig frequency of the pump set	
Model	Speed ratio				Model	Rated jig frequency c/min	Inner-pump speed ratio	Model	Rated power HP	Rated revolving speed RPM	Min. c/min	Max. c/min
	First gear	Second gear	Third gear	Fourth gear								
NT1041-C500	5.919	4.505	3.312	2.452	F-500	165	4.207	KTA19-C700	700	1800	50	170
	6.904	5.254	3.863	2.860				CAT C18	600	2100	45	170
	5.919	4.505	3.312	2.452				TBD234V12	610	1800	50	170
NT1041-C800	6.904	5.254	3.863	2.860	F-800	150	4.185	KTA38-C1050	1050	1800	45	150
	8.058	6.132	4.509	3.338				CAT C27	875	2100	40	150
	5.919	4.505	3.312	2.452				TBD620L6	885	1500	40	145

Gearbox for NT-2040 Slush Pump					Slush pump			Engine			Jig frequency of the pump set	
Model	Speed ratio				Model	Rated jig frequency c/min	Inner-pump speed ratio	Model	Rated power HP	Rated revolving speed RPM	Min. c/min	Max. c/min
	First gear	Second gear	Third gear	Fourth gear								
NT2040-C1000	6.959	5.233	3.746	2.880	F-1000	140	4.207	KTA38-C1300	1300	1800	40	145
	4.855	3.651	2.613	2.010				CAT 3512	1025	1200	45	140
	5.478	4.120	2.949	2.268				TBD620V8	1180	1500	45	150
NT2040-C1300	8.337	6.269	4.487	3.450	F-1300	120	4.206	KTA50-C1600	1600	2100	40	125
	5.478	4.120	2.949	2.268				CAT 3512	1250	1200	40	125
	6.959	5.233	3.746	2.880				TBD620V12	1769	1500	40	125





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