



SCREW AIR ENDS



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COMPANY PROFILE

BAOSI was founded in 2005 and first quoted on the Shenzhen Stock Exchange in 2015 (Stock code: 300441). The company is located in Fenghua, the hometown of Chiang Kai-shek and holy site of the Maitreya Buddha. Currently the company focuses on the manufacturing of high-end precision mechanical components like compressors, knife tools, shafts, etc, and complete sets of equipment.

With the core concepts of learning, harmony, persistence, and professionalism, and the maitreya Buddha culture of enlightened development and happy harmony, the company forges ahead and commits itself to developing into an international company with core-competitiveness in a harmonious way.



Enterprise Culture

Culture

Learning, Harmony, Persistence, Profession

Spirit

The Culture and Spirit of Maitreya

Values

Keep True, Kind and Professional

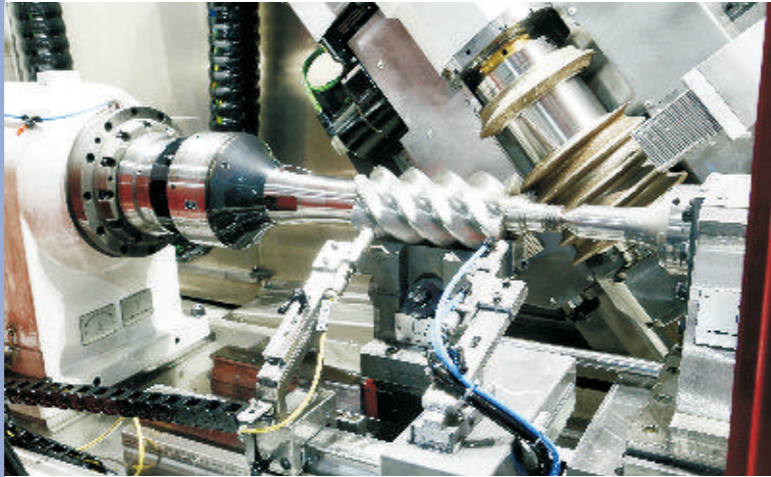
Mission

Mutual Development and Creation of Value

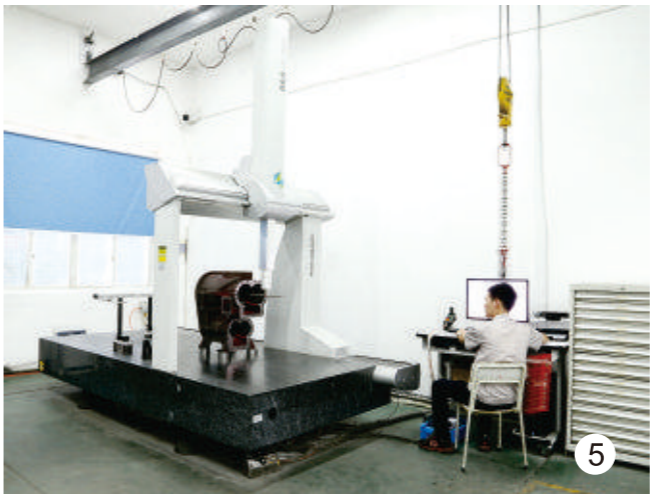
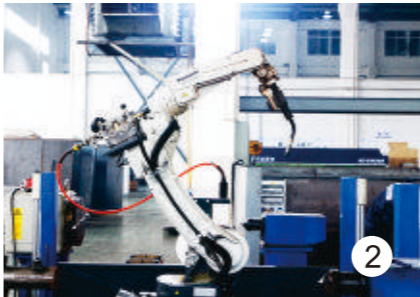
Vision

Commit ourselves to developing into an international company with core-competitiveness in a harmonious way.

MANUFACTURING FACILITIES



GERMANY
KAPP-RX-120
GRINDING MACHINE



- 1, Mazak PROCESSING CENTER
- 2, Panasonic AUTOMATIC ROBOT
- 3, Mazak LASER CUTTING MACHINE
- 4, Amada BENDING MACHINE
- 5, Hexagon THREE-COORDINATE MEASURING MACHINE

YNT SERIES SINGLE STAGE SCREW AIR ENDS



PROCESSED BY GERMAN KAPP GRINDING MACHINE

BELT DRIVEN								
Model	Discharge Pressure MPa	Power Consumption of the Oil kW	0.7	0.8	1	1.25	1.3	1.5
			YNT40RA	1.65~3.0	Rotate Speed RPM	3000~5760	2850~5360	2310~4640
Flow Rate m ³ /min	0.223~0.548	0.206~0.505			0.142~0.39		0.188~0.29	
Oil Injection Quantity L/min	3.7~6.3	3.8~6.3			3.9~6.6		5.1~6.8	
Shaft Power kW	2.5~4.4							
YNT44RA	2.6~3.5	Rotate Speed RPM	3400~4200	3350~4050	2900~3500	2600~3000		
		Flow Rate m ³ /min	0.43~0.59	0.39~0.56	0.34~0.44	0.3~0.34		
		Oil Injection Quantity L/min	4.5~6.0	4.6~6.1	4.7~6.3	4.8~6.4		
		Shaft Power kW	3.3~4.4					
YNT46	2.7~4.7	Rotate Speed RPM	3430~5820	3230~5450	2900~4750	2570~4050		
		Flow Rate m ³ /min	0.43~0.83	0.4~0.76	0.36~0.6	0.3~0.46		
		Oil Injection Quantity L/min	4.7~8.0	4.7~8.1	4.8~8.4	4.9~8.6		
		Shaft Power kW	3.4~5.9					
YNT46A	4.7~6.4	Rotate Speed RPM	5820~6750	5450~6520	4750~6300	4050~5400		
		Flow Rate m ³ /min	0.83~1	0.76~0.93	0.60~0.81	0.46~0.63		
		Oil Injection Quantity L/min	8.0~11.1	8.1~11.2	8.4~11.4	8.6~11.7		
		Shaft Power kW	5.9~8					
YNT55A	6.6~12.8	Rotate Speed RPM	3800~6900	3500~6350	2950~5400	2450~4500	2000~3800	
		Flow Rate m ³ /min	1.15~2.09	1.06~2	0.85~1.62	0.7~1.3	0.48~1	
		Oil Injection Quantity L/min	11.2~22.0	11.4~22.1	11.7~22.8	12.0~23.3	12.3~23.8	
		Shaft Power kW	8.25~16					
YNT60A	6.6~9.4	Rotate Speed RPM	3230~4550	2950~4260	2400~3470	1850~2680		1350~2000
		Flow Rate m ³ /min	1.15~1.65	1.06~1.53	0.85~1.23	0.65~0.97		0.46~0.68
		Oil Injection Quantity L/min	11.2~16.0	11.4~16.2	11.7~16.7	12.1~17.2		12.4~17.7
		Power Consumption of the Oil kW	8.25~11.8					

YNT SERIES SINGLE STAGE SCREW AIR ENDS



PROCESSED BY GERMAN KAPP GRINDING MACHINE

BELT DRIVEN								
Model	Discharge Pressure MPa	Power Consumption of the Oil kW	0.7	0.8	1	1.25	1.3	1.5
			YNT70A	9.9~15.6	Rotate Speed RPM	3250~5250	2950~4630	2630~4150
Flow Rate m ³ /min	1.91~2.94	1.71~2.61			1.47~2.3	1.18~1.86		0.92~1.46
Oil Injection Quantity L/min	16.5~26.1	16.9~26.7			17.3~27.2	17.8~27.9		18.2~28.6
Shaft Power kW	12.4~19.5							
YNT70B	13.2~19.2	Rotate Speed RPM	3250~4550	2950~4200	2580~3670	2150~3100		1640~2450
		Flow Rate m ³ /min	2.52~3.52	2.27~3.23	1.98~2.82	1.6~2.3		1.22~1.8
		Oil Injection Quantity L/min	22.0~32.3	22.5~32.8	23.0~33.5	23.6~34.4		24.2~35.2
		Shaft Power kW	16.5~24					
YNT80A	13.0~26.8	Rotate Speed RPM	2470~5090	2280~4670	2050~4300	1710~3480		1370~2840
		Flow Rate m ³ /min	2.41~4.9	2.22~4.5	1.91~4.02	1.56~3.26		1.21~2.51
		Oil Injection Quantity L/min	21.9~45.1	22.2~45.8	22.8~46.6	23.4~47.9		23.9~49.2
		Shaft Power kW	16.3~33.5					

YNE SERIES SINGLE STAGE SCREW AIR ENDS



PROCESSED BY GERMAN KAPP GRINDING MACHINE

BELT DRIVEN							
Model	Discharge Pressure MPa	Power Consumption of the Oil kW	0.7	0.8	1	1.25	1.5
			YNE117RA	16.0~26.4	Rotate Speed RPM	2810~4630	2560~4190
Flow Rate m ³ /min	3.2~5.3	2.87~4.7			2.5~4.1	2.0~3.35	1.6~2.7
Oil Injection Quantity L/min	26.5~43.7	27.0~44.7			27.7~45.7	28.5~47.0	29.2~48.0
Shaft Power kW	20~33						
YNE133RA	26.4~40.0	Rotate Speed RPM	3050~4500	2820~4200	2500~3800	2100~3150	1850~2700
		Flow Rate m ³ /min	5.35~7.8	4.8~7.25	4.2~6.3	3.52~5.3	2.8~4.3
		Oil Injection Quantity L/min	43.6~66.5	44.5~67.5	45.5~69.1	46.7~70.8	47.9~72.4
		Shaft Power kW	33~55				
YNE143RA	32.8~48.8	Rotate Speed RPM	3200~4700	2950~4250	2520~3750	2150~3300	1800~2700
		Flow Rate m ³ /min	6.6~9.7	6~8.8	5.1~7.5	4.2~6.2	3.3~5.1
		Oil Injection Quantity L/min	54.2~80.9	55.2~82.4	56.7~84.6	58.3~86.8	59.8~88.6
		Shaft Power kW	41~61				
YNE143RB	40.0~66.0	Rotate Speed RPM	3350~5400	3050~4950	2700~4400	2250~3800	1900~3150
		Flow Rate m ³ /min	8.2~13.2	7.4~12	6.3~10.2	5.2~8.5	4.1~7
		Oil Injection Quantity L/min	65.9~109.2	67.2~111.3	69.1~114.3	70.9~117.2	72.8~119.7
		Shaft Power kW	50.0~82.5				
YNE163RA	48.8~66.0	Rotate Speed RPM	3150~4250	2950~3900	2600~3500	2200~3000	1850~2550
		Flow Rate m ³ /min	9.9~13.2	9.25~12.3	8~10.7	6.6~9.1	5.5~7.4
		Oil Injection Quantity L/min	80.5~109.2	81.6~110.7	83.7~113.5	86.1~116.2	88.0~119.0
		Shaft Power kW	61.0~82.5				

YNE SERIES SINGLE STAGE SCREW AIR ENDS



PROCESSED BY GERMAN KAPP GRINDING MACHINE

DIRECT DRIVEN									
Model	Discharge Pressure MPa	Power Consumption of the Oil kW	0.7	0.8	1	1.25	1.5	1.7	
			YNE117RA	13.0~34.4	Rotate Speed RPM	2200~3570			
Flow Rate m ³ /min	2.47~4.09	2.44~4.00			2.40~3.93	2.30~3.75	2.20~3.60		
Oil Injection Quantity L/min	21.7~33.3	24.1~37.1			27.9~43.1	33.1~51.2	40.3~62.5		
Shaft Power kW	16.2~25.2	17.7~27.5			20.0~31.2	23.2~36.1	27.6~43.0		
YNE133RA	18.8~50.4	Rotate Speed RPM	2200~3570						
		Flow Rate m ³ /min	3.75~6.15	3.7~6.06	3.6~6.0	3.5~5.7	3.3~5.5		
		Oil Injection Quantity L/min	31.1~47.8	34.4~53.6	39.4~61.6	47.5~74.9	58.1~91.1		
		Shaft Power kW	23.5~36.5	25.5~40.0	28.5~45.0	33.5~53.0	40.0~63.0		
YNE143RA	21.8~61.6	Rotate Speed RPM	2200~3570						
		Flow Rate m ³ /min	4.5~7.5	4.4~7.4	4.4~7.3	4.2~7	4.05~6.7		
		Oil Injection Quantity L/min	35.9~59.4	40.2~66.4	46.6~77.1	55.2~91.6	67.4~111.4		
		Shaft Power kW	27.3~45.2	29.9~49.5	33.9~56.1	39.1~64.9	46.6~77.0		
YNE143RB	25.6~71.2	Rotate Speed RPM	2200~3570						
		Flow Rate m ³ /min	5.3~8.8	5.20~8.70	5.10~8.50	4.9~8.1	4.7~7.8		
		Oil Injection Quantity L/min	42.1~68.8	47.0~76.8	54.4~89.3	65.1~105.9	78.9~128.7		
		Shaft Power kW	32.0~52.4	35.0~57.4	39.5~65.0	46.0~75.0	54.5~89.0		
YNE163RA	28.2~104.8	Rotate Speed RPM	1780~3570						
		Flow Rate m ³ /min	5.5~11.16	5.4~11.04	5.35~10.91	5.20~10.63	5.10~10.27	4.9~9.91	
		Oil Injection Quantity L/min	46.8~92.4	50.7~99.4	57.1~113.3	67.7~134.3	80.7~160.2	96.9~192.1	
		Shaft Power kW	35.2~69.8	37.5~74.1	41.5~82.6	48.0~95.5	56.0~111.4	66.0~131.0	
YNE178RA	29.7~135.5	Rotate Speed RPM	1480~3570						
		Flow Rate m ³ /min	5.87~14.45	5.82~14.33	5.75~14.15	5.55~13.67	5.29~13.01	5.09~12.54	
		Oil Injection Quantity L/min	49.3~123.4	54.1~135.4	62.1~155.4	71.9~179.9	85.0~212.5	99.5~248.8	
		Shaft Power kW	37.1~92.7	40.1~100.1	45.0~112.5	51.0~127.3	58.9~147.1	67.8~169.3	

YNE SERIES SINGLE STAGE SCREW AIR ENDS



PROCESSED BY GERMAN KAPP GRINDING MACHINE

Model	Power Consumption of the Oil kW	Discharge Pressure MPa						
		0.7	0.8	1	1.25	1.5	1.7	
YNE178RB	35.6~163.2	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	7.32~18.03	7.28~17.91	7.18~17.67	7.03~17.31	6.89~16.95	6.74~16.60
		Oil Injection Quantity L/min	58.7~146.9	63.5~158.9	74.7~186.9	87.6~219.0	102.0~255.1	118.8~297.1
		Shaft Power kW	44.6~111.2	47.5~118.7	54.5~136.0	62.4~155.7	71.3~178.0	81.7~203.9
YNE204RA	45.5~192.8	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	9.20~22.64	9.17~22.57	9.09~22.39	9.01~22.18	8.88~21.85	8.78~21.61
		Oil Injection Quantity L/min	75.2~188.4	80.8~202.3	92.8~232.1	107.9~269.9	126.3~315.8	139.1~347.7
		Shaft Power kW	56.9~142.1	60.4~150.8	67.8~169.3	77.2~192.8	88.6~221.2	96.5~241.0
YNE204RB	51.9~213.6	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	10.55~25.98	10.52~25.91	10.45~25.73	10.33~25.43	10.19~25.07	10.02~24.66
		Oil Injection Quantity L/min	85.6~214.2	91.1~228.3	103.9~260.0	120.7~301.9	139.0~347.8	153.5~384.0
		Shaft Power kW	64.8~161.9	68.3~170.6	76.2~190.3	86.6~216.3	98.0~244.7	106.9~267.0
YNE204RS	42.8~182.9	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	8.44~20.75	8.39~20.66	8.34~20.54	8.25~20.30	8.10~19.94	8.00~19.70
		Oil Injection Quantity L/min	71.0~177.8	75.8~189.7	87.7~219.5	102.1~255.4	119.7~299.3	132.5~331.3
		Shaft Power kW	53.5~133.5	56.4~140.9	63.9~159.4	72.8~181.7	83.7~208.9	91.6~228.7
YNE226A	65.2~30.66	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	13.24~32.60	13.19~32.48	13.10~32.24	12.37~31.68	12.66~31.18	12.45~30.66
		Oil Injection Quantity L/min	107.5~269.3	113.5~284.1	127.4~319.0	153.5~383.8	185.4~463.6	214.1~535.4
		Shaft Power kW	81.5~203.4	85.1~212.6	93.8~234.2	109.9~274.4	129.7~323.8	147.5~368.3
YNE226B	70.5~319.4	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	14.31~35.22	14.26~35.10	14.16~34.86	14.00~34.46	13.77~33.91	13.55~33.35
		Oil Injection Quantity L/min	116.3~291.2	122.7~307.2	137.9~345.1	165.8~414.7	200.1~500.4	232.0~580.1
		Shaft Power kW	88.1~220.0	92.1~229.9	101.5~253.4	118.8~296.6	140.1~349.8	159.9~399.2
YNE280A	89.2~306.0	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	18.77~45.96	18.67~45.72	18.46~45.22	18.24~44.68		
		Oil Injection Quantity L/min	146.1~373.4	156.4~399.3	177.6~453.1	209.7~534.4		
		Shaft Power kW	111.6~282.9	117.9~298.9	131.0~332.1	150.8~382.5		
YNE280B	98.2~336.5	Rotate Speed RPM	1480~3570					
		Flow Rate m ³ /min	20.68~50.64	20.58~50.40	20.34~49.80	20.09~49.20		
		Oil Injection Quantity L/min	160.7~410.6	172.5~440.4	195.3~498.3	230.5~587.5		
		Shaft Power kW	122.7~311.2	130.0~329.6	144.0~365.3	165.9~420.7		

YPM SERIES SINGLE STAGE SCREW AIR ENDS



PROCESSED BY GERMAN KAPP GRINDING MACHINE

FOR HIGH EFFICIENCY PM MOTOR WITHOUT HOUSING AND COUPLING								
Model	Parm.	Rotate Speed RPM	Shaft Power kW	Flow Rate m ³ /min	Discharge Pressure MPa	Cooling Type	Power Consumption of the Oil kW	Oil Injection Quantity L/min
YPM55A-YL/7.5kW		2950	8.1	1.1	0.8	OIL COOLED & FAN COOLED	6.5	11.1
YPM70A-YL/11kW		2950	12.1	1.72			9.7	16.4
YPM70B-YL/15kW		2950	16.0	2.2			12.8	21.8
YPM80A-YL/18.5kW		2950	20.5	2.9			16.4	27.9
YPM92RA-YL/22kW		2950	22.5	3.2			18.0	30.5
YPM104RA-YL/30kW		2950	33.0	5.00			26.4	44.2
YPM112RA-YL/37kW		2950	40.0	6.0			32.0	53.6
YPM112RB-YL/45kW		2950	50.0	7.4			40.0	67.2
YPM163RA-YL/55kW		3150	59.3	9.1			47.4	79.3
YPM178RB-YL/75kW		2380	76.0	12.1			60.8	100.7
YPM178RB-YL/90kW		2950	95.0	15.1			76.0	125.9
YPM204RB-YL/110kW		2600	120.0	19.8			96.0	157.9
YPM204RB-YL/132kW		2950	138.0	22.8			110.4	181.5

YND SERIES LOW PRESSURE SINGLE STAGE SCREW AIR ENDS

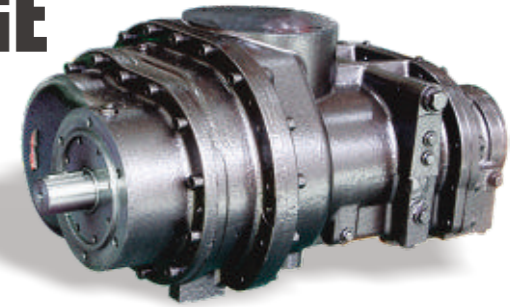
PROCESSED BY GERMAN KAPP GRINDING MACHINE



Model	Discharge Pressure MPa	RPM of the Motor	Flow Rate m ³ /min	Shaft PowerkW	Power Consumption of the Oil L/min	Oil Injection Quantity L/min
YND117RA~3	0.3~0.5	2950	3.5~3.3	15~19.5	12~15.6	17~25
YND133RA~3	0.3~0.5		5.4~5.2	24~30	19.2~24.0	39.1~39.0
YND143RA~4.5	0.4~0.5		6.1	33~35	26.4~28.0	42.3~45.5
YND143RB~4.5	0.4~0.5		7.4~7.3	39~42	31.2~33.6	49.7~54.6
YND163RA~3	0.3~0.5		9.7~9.5	42~52	33.6~41.6	50.6~66.9
YND178RA~3	0.3~0.5		12.5~12.3	54~69	43.2~55.2	65~89.2
YND178RB~3	0.3~0.5		15.5~15.3	65~83	52~66.4	77.4~106.5
YND204RA~3	0.3~0.5		19.5~19.3	78~103	62.4~82.4	91.4~131.6
YND204RB~3	0.3~0.5		22.5~22.2	90~118	72~94.4	105.5~150.6
YND226A~3	0.3~0.5		28.1~27.9	108~145	86.4~116.0	124.7~184.0
YND226B~3	0.3~0.4		31.2~30.7	120~160	96~128.0	138.6~203.2
YND280A~3	0.3~0.5		39~38.6	158~208	126.4~166.4	186~266.4
YND280B~3	0.3~0.5		42.8~42.4	170~224	136~179.2	198.7~285
YND133RA~5.8	0.3~0.5		5.4~5.2	24~30	19.2~24.0	29.1~39.0
YND143RA~5.8	0.4~0.5		6.1	33~35	26.4~28.0	42.3~45.5
YND178RA~5.8	0.3~0.5		15.5~15.3	65~83	52~66.4	77.4~106.5
YND204RA~5.8	0.3~0.5		19.5~19.3	78~103	62.4~82.4	91.4~131.6

BGL SERIES SINGLE STAGE SCREW AIR ENDS

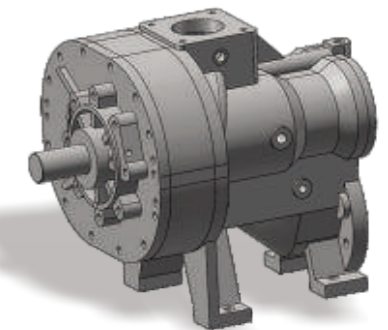
PROCESSED BY GERMAN KAPP GRINDING MACHINE



GEAR DRIVEN							
Model	Discharge Pressure MPa	0.7	0.8	0.9	1	1.2	50Hz 2p/4p
		BGL177	Shaft Power/kW	96.2~142.9	100.5~149.4	104.8~155.7	110.8~164.6
	Flow Rate/ m ³ /min	15.3~22.7	15.26~22.67	15.19~22.58	15.15~22.51	14.98~22.26	
BGL178RA	Shaft Power/kW	38.6~61.49	41.72~66.47	44.22~70.44	46.82~74.59	53.06~84.53	
	Flow Rate/ m ³ /min	5.99~9.73	5.94~9.65	5.9~9.58	5.87~9.53	5.66~9.2	
BGL178RB	Shaft Power/kW	46.4~70.97	49.42~75.58	53.06~81.15	56.7~86.72	64.92~99.29	
	Flow Rate/ m ³ /min	7.49~11.45	7.43~11.36	7.36~11.26	7.32~11.2	7.17~10.97	

Z SERIES BOOSTER SCREW AIR ENDS

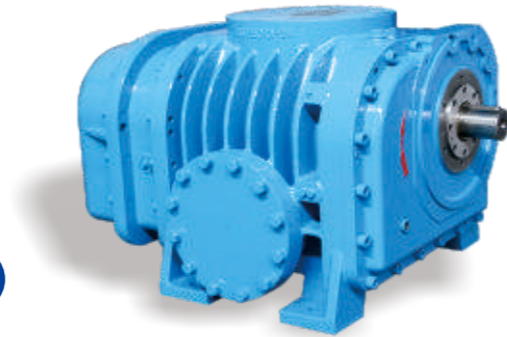
PROCESSED BY GERMAN KAPP GRINDING MACHINE



Model	Parm.	Power kW	Discharge Pressure MPa	Air Inlet Flow Rate m ³ /min
Z117/Z141		37~90	1.7~3.5	1~2.5

BSG OIL-FREE SCREW AIR ENDS

PROCESSED BY GERMAN KAPP GRINDING MACHINE



4-POLE DIRECT DRIVEN MOTOR: 2000-3300RPM							
		Discharge Pressure MPa					
Model		0.04	0.06	0.08	0.1	0.12	0.15
BSG204RA-I	Shaft Power kW	17.0~25.0	22.1~32.5	25.5~38.0			
	Flow Rate m³/min	16.3~25.7	16.2~25.6	16.0~25.3			
	Discharge Temp.°C	65~63	77~75	89~87			
BSG204RA-II	Shaft Power kW				30.3~44.5	35.0~51.5	41.1~60.5
	Flow Rate m³/min				15.8~25.0	15.6~24.7	15.3~24.2
	Discharge Temp.°C				102~100	114~112	130~128
BSG280RA-I	Shaft Power kW	41.4~61.2	50.0~73.8	60.1~88.8			
	Flow Rate m³/min	36.3~58.7	36.2~68.6	35.8~58.0			
	Discharge Temp.°C	67~64	67~64	91~88			
BSG280RB-II	Shaft Power kW				65.6~96.9	75.7~111.9	93.7~138.5
	Flow Rate m³/min				35.5~57.5	35.1~56.9	34.7~56.2
	Discharge Temp.°C				104~101	116~113	132~129

OIL-FREE SCROLL AIR ENDS

INNOVATIVE DESIGN & ENERGY-SAVING

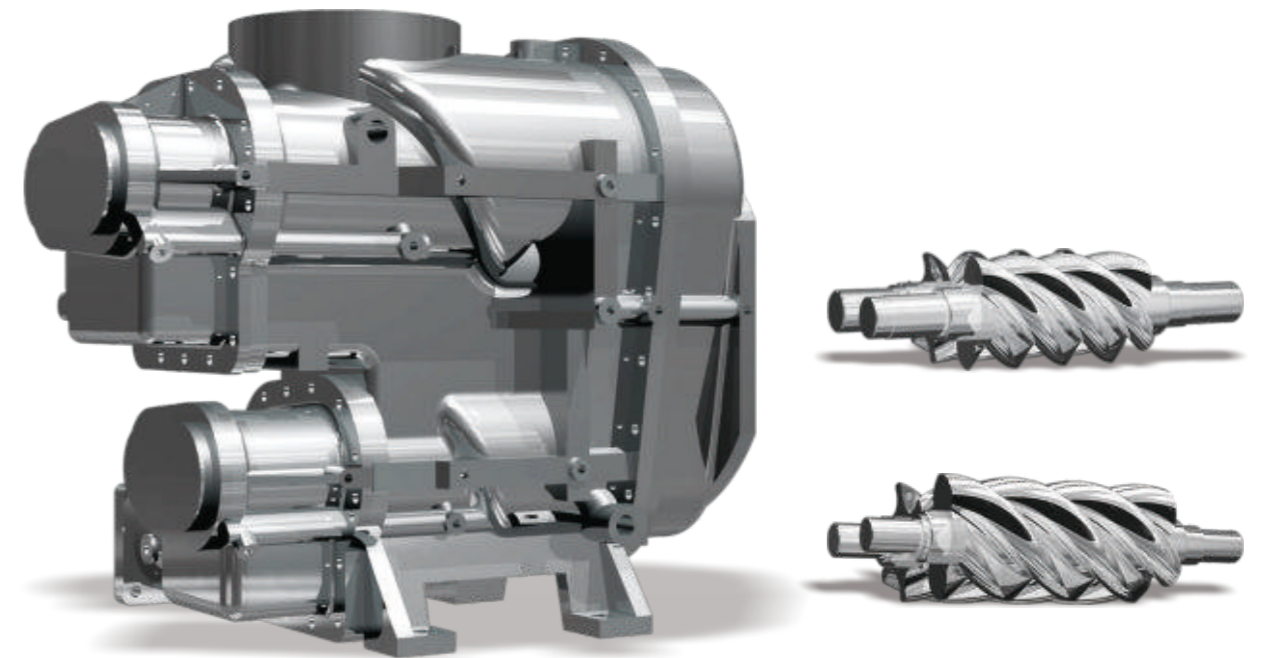


Model	Parm.	Power kW	Discharge Pressure MPa	Ultimate Pressure MPa	Rated RPM
GL3T-P (With Belt Pulley)		3.6	0.8	0.85	3050
GL3Z1-V7 (For VSD&PM)		3.6	0.8	0.85	3000

TWO STAGE SCREW AIR ENDS

FEATURES

1. Two stage air end with an integrated design has two independent units of air compression located on top and bottom.
2. The discharge port of the two stage air end uses a design setting double cone bearings face to face. One air end unit contains 15 bearings which are designed to run at least 60,000 hours. Various bearing brands are available such as SKF, FAG, NTN, NSK, etc.
3. The design concept of the two stage air end adopts big rotors running at low RPMs (1480rpm), with which the working noise and vibration decrease.



ENERGY SAVING PRINCIPLE

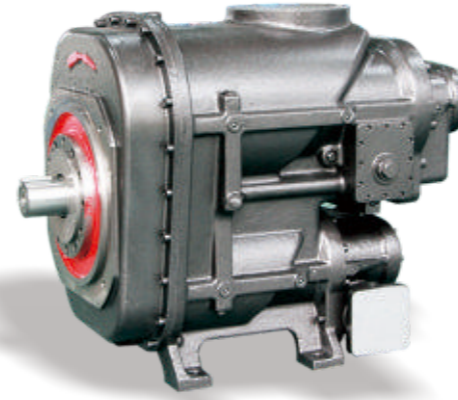
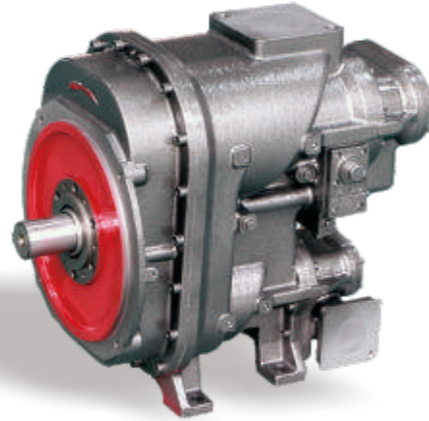
Before the first-stage compressed air gets into the second-stage unit, atomizing oil cooling is used to lower the inlet temperature of the second-stage unit so that the two compression units can keep isothermal compression, which raises adiabatic efficiency and reduces energy consumption.

The two stage air end features the design of equal low internal pressure ratio with low leakage rate during the compression process, which promotes enormously the volumetric efficiency of the whole process (the volumetric efficiency of the two stage air end is up to 93% while that of single stage air end is at most 90%).

The two stage air end features higher energy savings than the single stage air end. Under the same working conditions with equal discharge volume and pressure, two stage air ends save 15% more on energy consumption than single stage air ends. In the meantime, under the same working conditions with equal energy consumption and discharge pressure, two stage air ends get an extra 15% discharge volume over single stage air ends.

ZHE SERIES TWO STAGE SCREW AIR ENDS

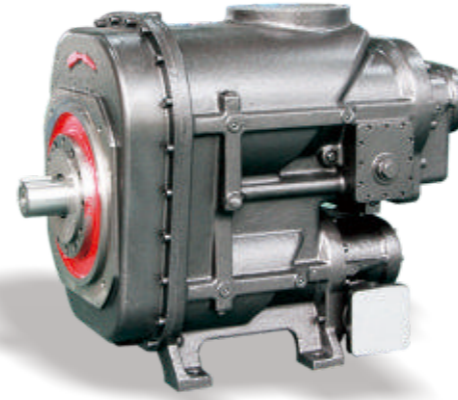
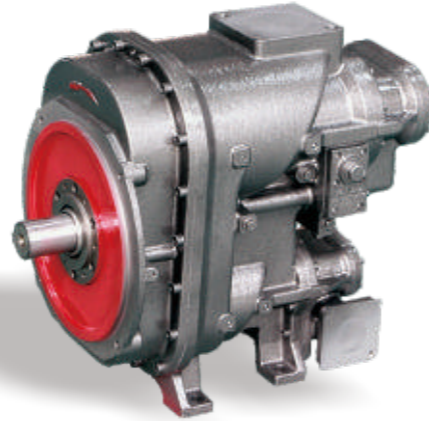
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4-POLE DIRECT DRIVEN MOTOR: 1480RPM														
Model		Discharge Pressure MPa												
		0.6	0.7	0.8	0.9	1	1.1	1.2	1.25	1.3	1.4	1.5	1.6	1.7
ZHE117L	Shaft Power kW		16.1~23.0	17.6~25.2		19.9~28.4			23.1~33.1			27.5~39.4		
	Flow Rate m ³ /min		2.77~4.13	2.76~4.10		2.72~4.04			2.6~3.87			2.48~3.69		
	Power Consumption of the Oil kW		12.8~18.4	14.1~20.1		15.9~22.8			18.5~26.5			22.0~31.5		
	Oil Injection Quantity L/min		20.9~29.6	23.4~33.2		27.1~38.5			32.5~46.2			39.7~56.6		
ZHE143L	Shaft Power kW		32.4~37.6	35.5~41.1		40.2~46.6			46.5~53.8			55.4~64.2		
	Flow Rate m ³ /min		5.94~6.88	5.89~6.82		5.74~6.65			5.55~6.43			5.25~6.09		
	Power Consumption of the Oil kW		25.9~30.1	28.4~32.9		32.2~37.3			37.2~43.0			44.3~51.4		
	Oil Injection Quantity L/min		41.6~48.3	46.6~54.0		54.4~63.1			64.8~74.9			79.5~92.1		
ZHE163L	Shaft Power kW	34.5~44.4		38.9~50.0		44.7~57.5				52.9~68.0		58.3~75.0		63.8~82.0
	Flow Rate m ³ /min	7.06~9.08		7.05~9.06		7.02~9.02				6.84~8.80		6.53~8.40		6.22~8.0
	Power Consumption of the Oil kW	27.6~35.5		31.1~40.0		35.8~46.0				42.3~54.4		46.7~60.0		51.0~65.5
	Oil Injection Quantity L/min	43.1~55.5		50.1~64.4		59.4~76.4				72.8~93.5		82.0~105.4		91.2~117.2
ZHE178L	Shaft Power kW	45.7~74.0		53.0~84.0		60.5~94.8				71.7~111.0		80.7~126.0		90.7~144.0
	Flow Rate m ³ /min	9.37~15.19		9.35~15.15		9.32~15.06				9.26~14.91		9.14~14.75		9.01~14.56
	Power Consumption of the Oil kW	36.6~59.2		42.4~67.2		48.4~75.8				57.4~88.8		64.6~100.8		72.6~115.2
	Oil Injection Quantity L/min	57.0~92.4		68.7~108.3		80.7~125.7				98.7~151.8		113.2~176.0		129.4~205.0
ZHE204L	Shaft Power kW	76.7~118.4		84.3~130.2		94.8~146.3				107.6~166.2		118.1~182.3		130.9~202.1
	Flow Rate m ³ /min	15.32~23.94		15.24~23.81		15.16~23.69				15.08~23.56		14.92~23.31		14.76~23.06
	Power Consumption of the Oil kW	61.4~94.7		67.5~104.2		75.8~117.1				86.1~132.9		94.5~145.8		104.7~161.7
	Oil Injection Quantity L/min	96.4~148.4		108.7~167.3		125.5~193.3				146.1~225.1		163.0~251.2		183.8~283.3
ZHE226L	Shaft Power kW		103.2~173.2	109.8~183.7		121.5~202.6				136.2~226.1		150.2~249.3		165.8~275.1
	Flow Rate m ³ /min		19.42~32.39	19.25~32.12		19.09~31.85				18.93~31.58		18.77~31.31		18.52~30.90
	Power Consumption of the Oil kW		82.5~138.4	87.8~147		97.2~162.1				109~180.9		120.1~199.4		132.6~220.1
	Oil Injection Quantity L/min		131.7~221.1	142.5~238.6		161.4~269.2				185.2~307.1		207.7~344.5		233.0~386.4

ZHE SERIES TWO STAGE SCREW AIR ENDS

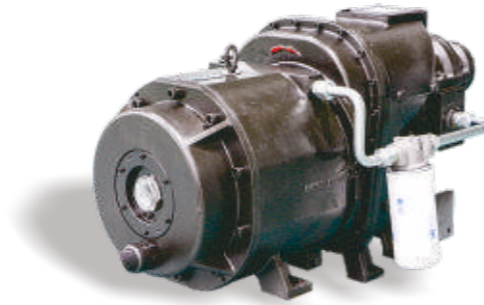
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DIRECT DRIVEN														
Model		Discharge Pressure MPa												
		0.6	0.7	0.8	0.9	1	1.1	1.2	1.25	1.3	1.4	1.5	1.6	1.7
ZHE230L	Shaft Power kW	108~153.6	117.0~166.4	125.0~177.8		139.5~198.4				164.5~234.0		180.0~256.1	187.0~266.0	194.0~276.0
	Flow Rate m ³ /min	23.2~32.19	23.10~32.05	22.90~31.78		22.70~31.50				22.50~31.22		22.30~30.94	22.20~30.80	22.10~30.67
	Power Consumption of the Oil kW	86.4~122.9	93.6~133.2	100.0~142.3		111.6~158.8				131.6~187.2		144.0~204.8	149.6~212.8	155.2~220.8
	Oil Injection Quantity L/min	130.0~186.8	140.0~201.2	153.0~219.8		180.0~258.6				210.0~301.7		224.0~321.8	238.0~342.0	245.0~352.0
ZHE265L	Shaft Power kW	147.8~208.1		169.0~237.9		191.8~270.0				225.1~316.9		257.7~362.8		288.1~405.5
	Flow Rate m ³ /min	31.16~43.85		31.08~43.75		30.93~43.53				30.70~43.21		30.40~42.79		30.17~42.47
	Power Consumption of the Oil kW	118.3~166.5		135.2~190.4		153.4~216.0				180.1~253.5		206.2~290.2		230.5~324.4
	Oil Injection Quantity L/min	183.0~257.6		217.0~305.4		253.5~356.8				307.1~432.2		359.6~506.1		408.3~574.7
ZHE300L	Shaft Power kW	201.5~325.2	207.1~334.2	220.5~355.8		247.2~398.9				282.6~456.1		308.7~498.3		
	Flow Rate m ³ /min	39.64~63.21	39.55~63.07	39.48~62.96		39.36~62.77				39.18~62.47		38.99~62.17		
	Power Consumption of the Oil kW	161.2~260.1	165.7~267.3	176.4~284.6		197.7~319.1				226.1~364.9		247.0~398.6		
	Oil Injection Quantity L/min	246.6~399.2	255.4~413.5	276.2~447.0		317.8~514.0				372.9~603.0		413.6~668.6		
ZHE305L	Shaft Power kW	230.9~286.4		249.4~309.2		277.7~344.4				331.1~410.6		384.6~476.9		
	Flow Rate m ³ /min	45.42~56.32		45.26~56.12		45.12~55.95				44.85~55.61		44.35~55.00		
	Power Consumption of the Oil kW	184.8~229.1		199.5~247.4		222.2~275.5				264.9~328.5		307.7~381.5		
	Oil Injection Quantity L/min	291.5~361.4		321.1~398.2		366.6~454.6				452.1~560.0		538.2~667.3		
ZHE360L	Shaft Power kW	359.6~504.9	375.6~527.3	397.8~558.5	426.2~598.4	453.8~637.0	480.4~674.4	503.5~706.8		531.0~745.5	559.4~785.3	586.1~660.0		
	Flow Rate m ³ /min	72.8~101.8	72.7~101.7	72.6~101.6	72.5~101.4	72.4~101.2	72.2~101.0	72.1~100.8		72.0~100.6	71.8~100.4	71.6~80.60		
	Power Consumption of the Oil kW	287.7~403.9	300.5~421.8	318.3~446.8	341.0~478.7	363.0~509.6	384.3~539.5	402.8~565.4		424.8~596.4	447.5~628.3	468.9~528.0		
	Oil Injection Quantity L/min	436.8~613.9	461.7~648.8	496.2~697.2	540.3~759.1	583.1~819.3	624.5~877.4	660.5~927.8		703.2~987.9	747.4~1049.9	789.0~888.6		

BHP SERIES TWO STAGE INTEGRATED SCREW AIR ENDS

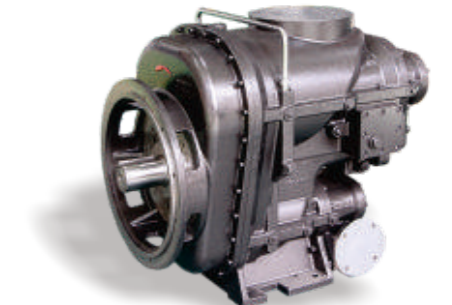
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Model \ Parm.	BHP100L	BHP117L	BHP143L	BHP163L	BHP178L
Gear Speed Ratio	1.38	2.0/2.31	1.93/2.23	1.47/1.89	1.25/1.51/1.89
Discharge Pressure MPa	0.8~1.0	0.8	0.8	0.8	0.8
Shaft Power kW	11.2~15.8	21.3~25.0	35.2~41.0	39.7~51.0	53.0~84.0
Flow Rate m ³ /min	1.64~1.92	3.4~4.0	5.9~7.0	7.16~9.20	9.50~15.1
Power Consumption of the Oil kW	9.0~12.6	17.0~20.0	28.2~32.8	31.8~40.8	42.4~67.2
Oil Injection Quantity L/min	15.1~21.9	28.2~33.1	46.2~53.5	51.2~65.8	68.4~108.4
Nominal Power of the Motor kW	9~15	18.5~22	30~37	37~45	45~75
SF of the Motor	1.15~1.3	1.25	1.25	1.25	1.25
RPM of the Motor	2100~2500	1500	1500	1500	1500~1600
Cooling Type	OIL COOLED & FAN COOLED				

BHE SERIES MEDIUM PRESSURE TWO STAGE SCREW AIR ENDS

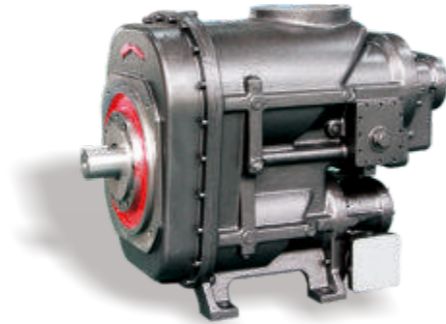
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4-POLE DIRECT DRIVEN MOTOR: 1480-2200RPM						
Model \ Discharge Pressure MPa	1.7	2	2.2	2.4	2.5	
BHE226HC/1.27	Shaft Power kW	154.7~227.4	166.9~245.4	178.7~260.2	186.8~274.6	194.9~286.5
	Flow Rate m ³ /min	19.38~28.48	19.22~28.26	19.07~28.03	18.92~27.81	18.67~27.58
	Power Consumption of the Oil kW	123.7~181.9	133.6~196.3	142.9~208.2	149.5~219.7	155.9~229.2
	Oil Injection Quantity L/min	183.9~270.4	201.0~295.4	217.3~316.0	228.6~336.1	240.0~352.8
BHE226HC/1.38	Shaft Power kW	169.8~249.6	183.2~269.3	195.1~284.2	203.4~299.0	211.8~311.4
	Flow Rate m ³ /min	21.16~31.11	20.99~30.86	20.83~30.61	20.66~30.37	20.49~30.12
	Power Consumption of the Oil kW	135.8~199.7	146.6~215.5	156.1~227.3	162.7~239.2	169.4~249.1
	Oil Injection Quantity L/min	202.0~297.0	220.7~324.5	237.3~345.1	248.9~365.8	260.6~383.1
BHE226HC/1.55	Shaft Power kW	188.8~277.5	203.8~299.5	217.0~316.0	226.2~332.5	235.5~318.0
	Flow Rate m ³ /min	23.77~34.94	23.58~34.66	23.39~34.38	23.20~34.11	23.02~31.07
	Power Consumption of the Oil kW	151.0~222.0	163.0~239.6	173.6~252.8	181.0~266.0	188.4~254.4
	Oil Injection Quantity L/min	224.3~329.8	245.1~360.3	263.5~383.3	276.4~406.3	289.5~390.8
BHE226HC/1.65	Shaft Power kW	202.0~296.9	218.0~320.5	230.0~338.1	242.0~326.7	252.0~340.2
	Flow Rate m ³ /min	25.30~34.16	25.10~33.89	24.90~33.62	24.70~33.35	24.50~33.08
	Power Consumption of the Oil kW	161.6~237.6	174.4~256.4	184.0~270.5	193.6~261.4	201.6~272.2
	Oil Injection Quantity L/min	240.2~353.1	262.4~385.8	279.2~410.4	295.9~399.5	309.9~418.4
BHE226HC/1.75	Shaft Power kW	215.3~290.7	232.4~313.7	247.5~330.9	257.9~348.2	268.6
	Flow Rate m ³ /min	26.97~36.41	26.75~36.12	26.54~35.83	26.33~35.54	26.11
	Power Consumption of the Oil kW	172.2~232.5	185.9~250.9	198.0~264.8	206.3~278.6	214.9
	Oil Injection Quantity L/min	256.0~345.6	279.7~377.6	300.7~401.7	315.4~425.8	330.3
BHE226HC/1.98	Shaft Power kW	241.2~306.3	261.1~332.2	280.0~352.3	293.3	305.4
	Flow Rate m ³ /min	30.36~38.56	30.12~38.25	29.88~37.95	29.64	29.4
	Power Consumption of the Oil kW	193.0~245.0	209.3~265.8	224.0~281.8	234.6	244.3
	Oil Injection Quantity L/min	286.6~364.0	314.9~399.9	340.4~427.8	359	376

ZHE-3 SERIES LOW PRESSURE TWO STAGE SCREW AIR ENDS

PROCESSED BY GERMAN KAPP GRINDING MACHINE



4-POLE DIRECT DRIVEN MOTOR: 1480RPM					
Model		Discharge Pressure MPa			
		0.15	0.20	0.25	0.30
ZHE204L-3	Shaft Power kW	38.5~61.6	43.3~69.3	48.1~77.0	53.7~86.0
	Flow Rate m ³ /min	15.5~24.2	15.4~24.1	15.4~24.1	15.3~24.0
	Power Consumption of the Oil kW	30.8~49.3	34.6~55.5	49.2~61.6	42.9~68.8
	Oil Injection Quantity L/min	34.2~19.4	41.7~19.3	49.2~19.3	57.9~19.2
ZHE226L-3	Shaft Power kW	49.2~81.1	58.3~96.1	66.3~109.3	72.8~120.2
	Flow Rate m ³ /min	20.40~32.90	20.30~32.80	20.20~32.70	20.10~32.60
	Power Consumption of the Oil kW	39.3~64.9	46.6~76.9	53.0~87.5	58.3~96.1
	Oil Injection Quantity L/min	42.6~71.5	56.8~94.9	69.4~115.5	79.7~132.4
ZHE300L-3	Shaft Power kW	97~159.1	133~185.3	129~211.5	148~242.7
	Flow Rate m ³ /min	40.60~64.60	40.50~64.50	40.40~64.40	40.30~64.30
	Power Consumption of the Oil kW	77.6~127.2	90.4~148.2	103.2~169.2	118.4~194.1
	Oil Injection Quantity L/min	83.5~140.1	108.4~180.9	133.3~221.6	162.8~269.9

ZHE-6 SERIES LOW PRESSURE TWO STAGE SCREW AIR ENDS

PROCESSED BY GERMAN KAPP GRINDING MACHINE



4-POLE DIRECT DRIVEN MOTOR: 1480RPM				
Model		Discharge Pressure MPa		
		0.40	0.50	0.60
ZHE117L-6	Shaft Power kW	12.5~17.8	13.6~19.5	
	Flow Rate m ³ /min	2.9~4.16	2.78~4.14	
	Power Consumption of the Oil kW	10.0~14.3	10.9~15.6	
	Oil Injection Quantity L/min	15.1~21.4	17.0~24.0	
ZHE143L-6	Shaft Power kW	26.5~30.7	28.2~32.7	
	Flow Rate m ³ /min	5.62~6.98	5.32~6.94	
	Power Consumption of the Oil kW	21.2~24.6	22.6~26.2	
	Oil Injection Quantity L/min	32.8~37.2	36.0~40.4	
ZHE204L-6	Shaft Power kW	67.1~103.5	71.5~110.4	
	Flow Rate m ³ /min	15.40~24.07	15.32~23.94	
	Power Consumption of the Oil kW	53.7~82.8	57.2~88.3	
	Oil Injection Quantity L/min	80.9~124.4	88.1~135.5	
ZHE226L-6	Shaft Power kW	86.6~144.5	93.2~155.5	
	Flow Rate m ³ /min	19.98~32.5	19.89~32.4	
	Power Consumption of the Oil kW	69.3~115.6	74.6~124.4	
	Oil Injection Quantity L/min	94.9~159.6	104.6~175.8	
ZHE230L-6	Shaft Power kW	99.5~141.5	106.0~150.8	
	Flow Rate m ³ /min	23.3~32.5	23.20~32.4	
	Power Consumption of the Oil kW	79.6~113.2	84.8~120.6	
	Oil Injection Quantity L/min	108.5~155.4	118.1~169.0	
ZHE265L-6	Shaft Power kW	125.1~176.1	136.5~192.1	150.1~211.3
	Flow Rate m ³ /min	31.31~44.07	31.23~43.96	31.16~43.85
	Power Consumption of the Oil kW	100.1~140.8	109.2~153.6	120.1~169.0
	Oil Injection Quantity L/min	146.5~206.2	164.8~231.9	186.7~262.7
ZHE300L-6	Shaft Power kW	167.0~265.0	189.0~300.0	
	Flow Rate m ³ /min	40.20~64.20	40.00~64.08	
	Power Consumption of the Oil kW	133.6~212.0	151.2~240.0	
	Oil Injection Quantity L/min	192.4~304.6	226.7~358.9	