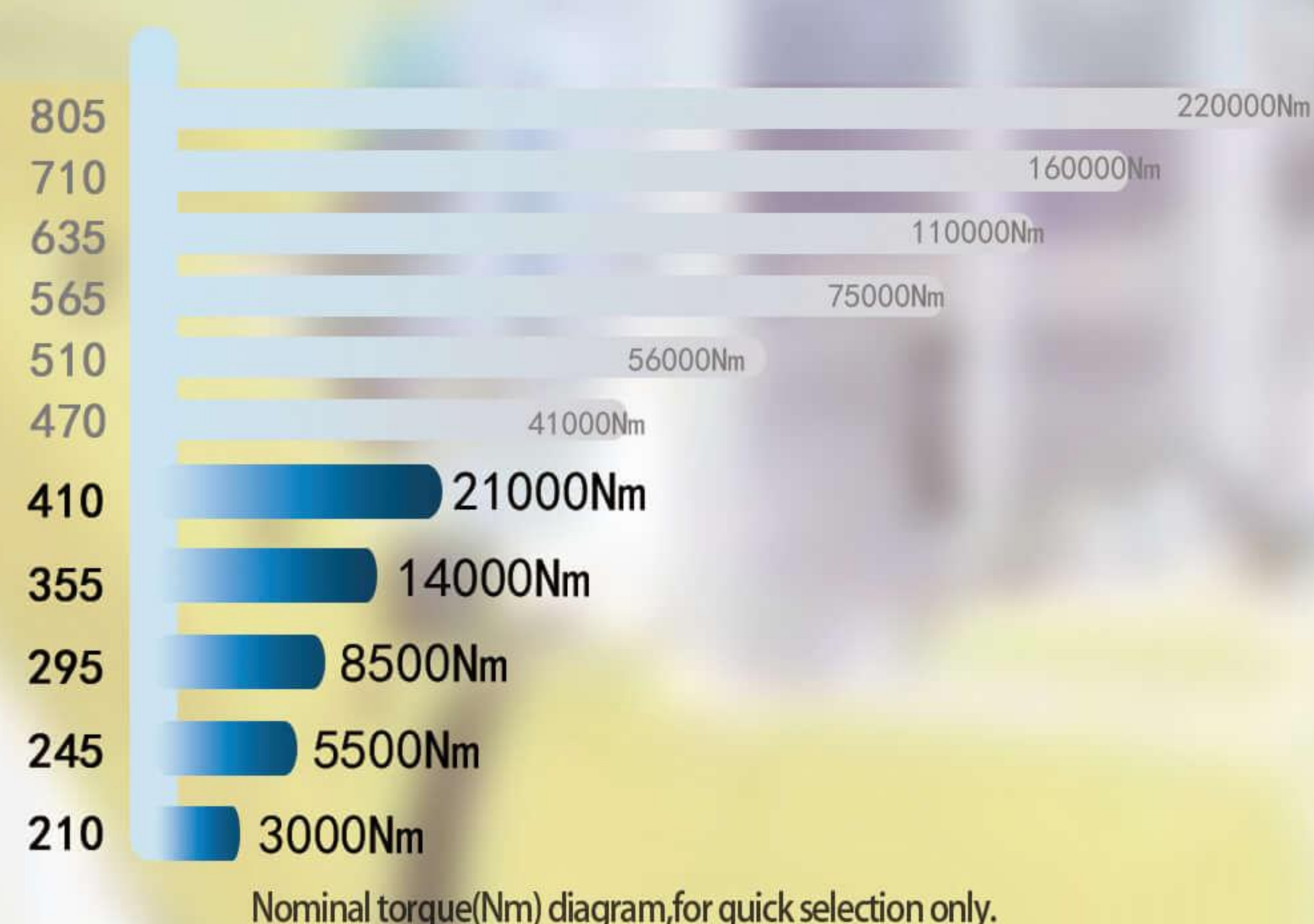


HS series

HIGH EFFICIENCY HIGH POWER



OUTPUT TYPE

INPUT TYPE

INSTALLATION METHODS

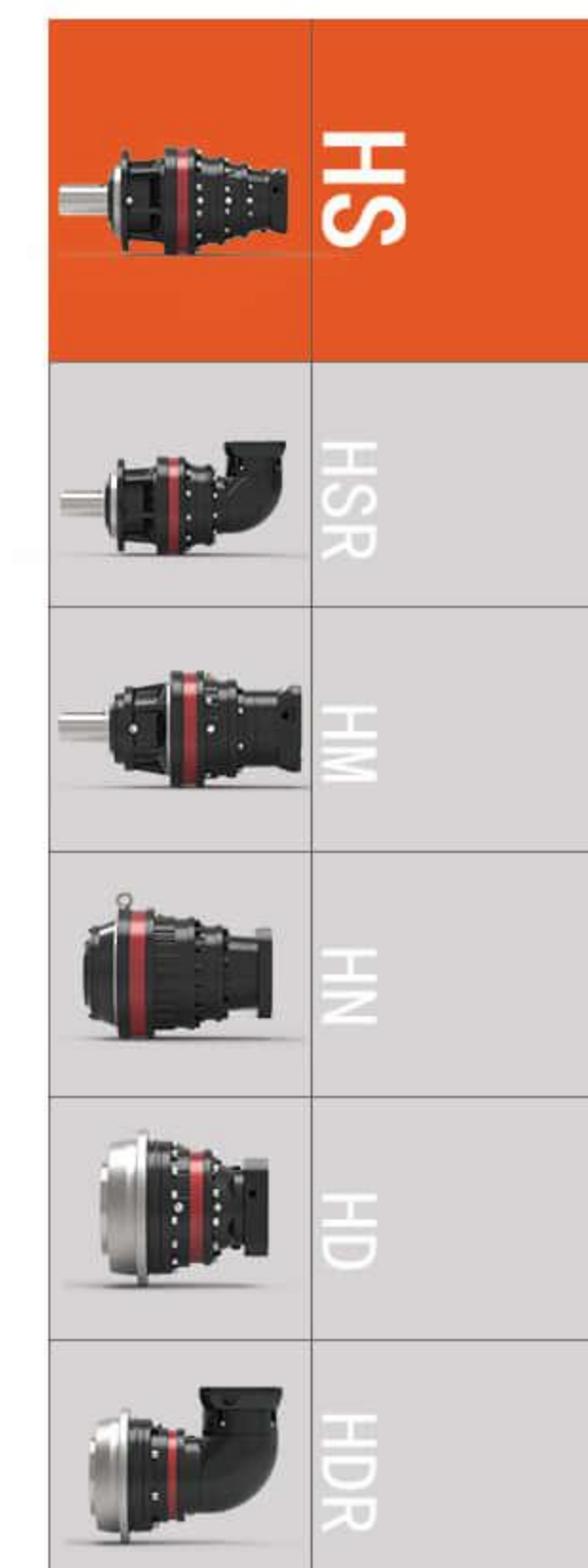
OUTPUT TYPE			INPUT TYPE		INSTALLATION METHODS
SHAFT	SHAFT WITH KEY	SPLINED SHAFT	FLANGE INPUT		
S1	S2 Standard	S3	FI Standard		
HOLLOW	HOLLOW WITH KEY	SPLINED HOLLOW	SHAFT INPUT		
K1	K2	K3	SI		

Size, speed ratio and performance are recommended,Support for custom

Speed reducer performance data/

Parameters 参数	Stage 级数	Ratio 速比	Model 型号				
			HS210	HS245	HS295	HS355	HS410
Nominal output torque 额定承载扭矩	L1	4	1830	3493	5117	9028	15600
		5	1377	2464	3687	6694	11400
		6	1243	2065	3034	5554	9371
		7	1179	1920	2782	5271	8850
		8	989	1574	2238	4335	7000
	L2	16	3000	5440	8270	13600	21000
		20	3000	5440	8270	13600	21000
		24		4970	8270	12130	21000
		25	2300	3300	5500	9000	13600
		28		4710	7860	11120	21000
		30		3300	5500	9000	13600
		32	2000	3950	6290	8950	17340
		35		3300	5500	9000	13600
		40	2300	3300	5500	9000	13600
	L3	64	3000	5440	8270	13600	21000
		80	3000	5440	8270	13600	21000
		100	3000	5440	8270	13600	21000
		120		4970	8270	13600	21000
		140			8270	13600	21000
		160	3000	5440	8270	13600	21000
		192		4970	8270	12130	21000
		200	2300	3300	5500	9000	13600
	L4	256	3000	5440	8270	13600	21000
		320	3000	5440	8270	13600	21000
		400	3000	5440	8270	13600	21000
		500	3000	5440	8270	13600	21000
		560			8270	13600	21000
		600			8270	13600	21000
		640	3000	5440	8270	13600	21000
		700			8270	13600	21000
		800	3000	5440	8270	13600	21000
		960			8270	13600	21000
所列速比仅为部分型号，如需其它请联系工厂。							
Maximum output torque 最大承载扭矩	Nm		See the schedule of each model for details 详见各型号附表				
Maximum radial load 容许最大径向负载	N		18000	50000	78000	100000	114000
Maximum axial load 容许最大轴向负载	N		13000	20000	34000	41000	45000
Nominal input speed 额定输入转速	rpm		See the schedule of each model for details 详见各型号附表				
Maximum input speed 最大输入转速	rpm		See the schedule of each model for details 详见各型号附表				
Backlash 回程间隙			See the schedule of each model for details 详见各型号附表				
Noise 噪音	dB (A)		See the schedule of each model for details 详见各型号附表				
Efficiency 效率	L1		See the schedule of each model for details 详见各型号附表				
Use of temperature 使用环境温度	℃		-15℃~40℃				
Service life 使用寿命	h		≥20000				
Lubrication 润滑			Grease or Lubricating oil 润滑脂或润滑油				

*Size, speed ratio and performance are recommended and customized.
尺寸、速比、性能皆为标准推荐，支持定制。





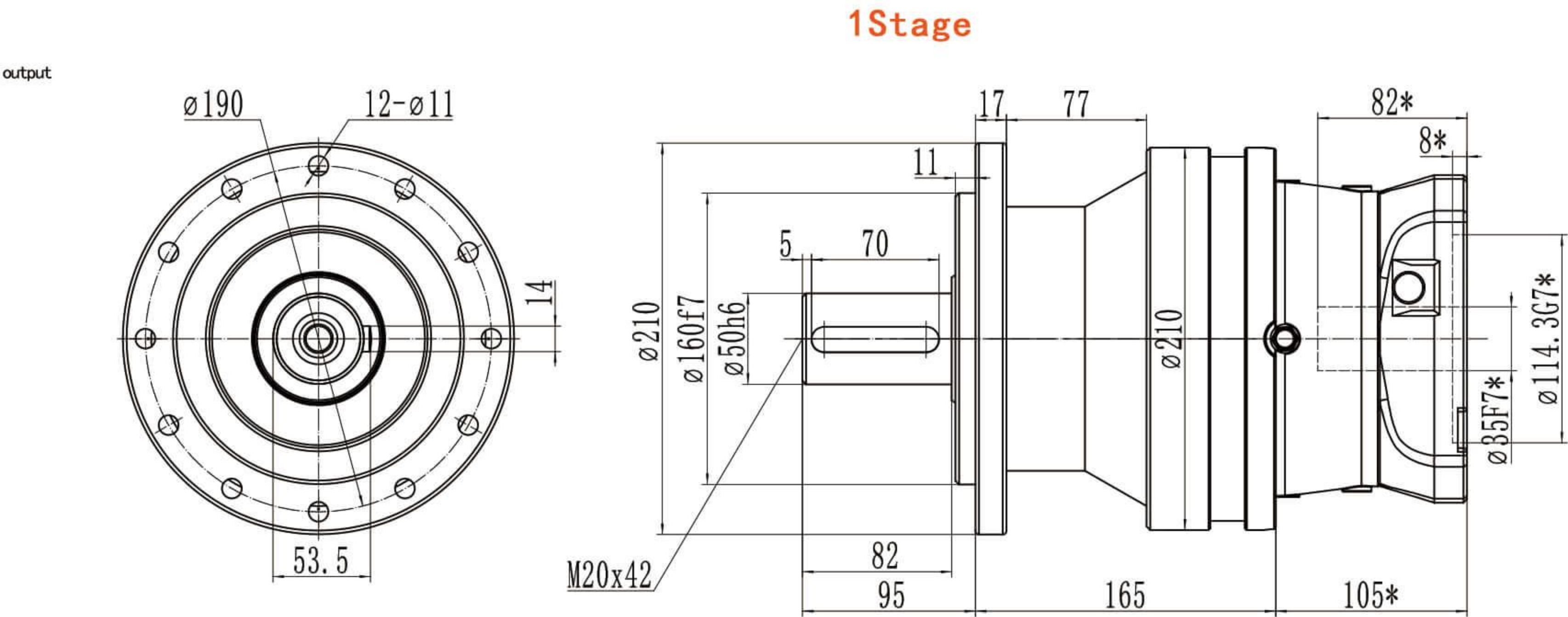
HS 210 L1 - 5 - P2 - S2 - B5 / FI-

Model Size Stage Ratio i Precision Output model Installation mode Input mode

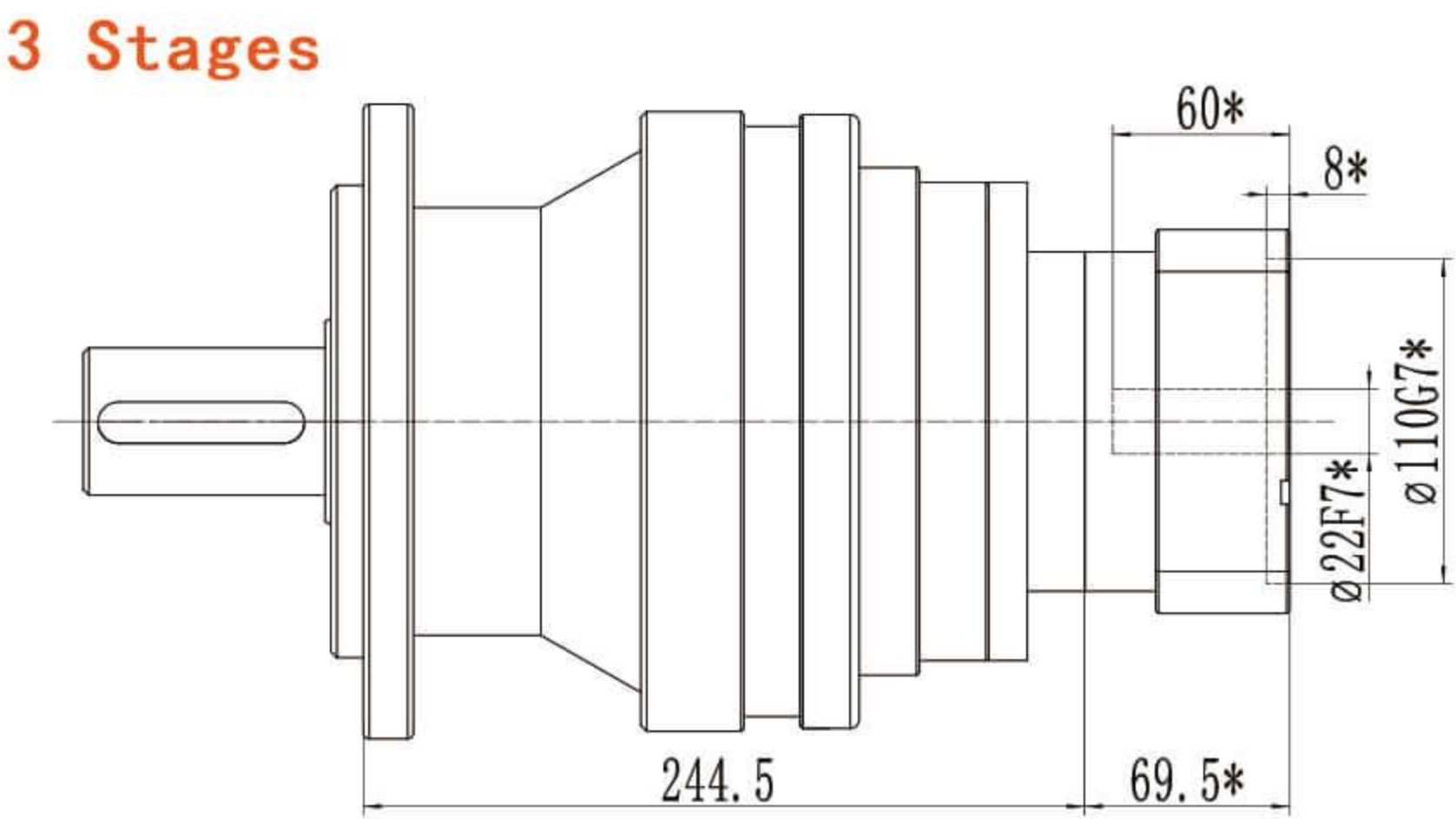
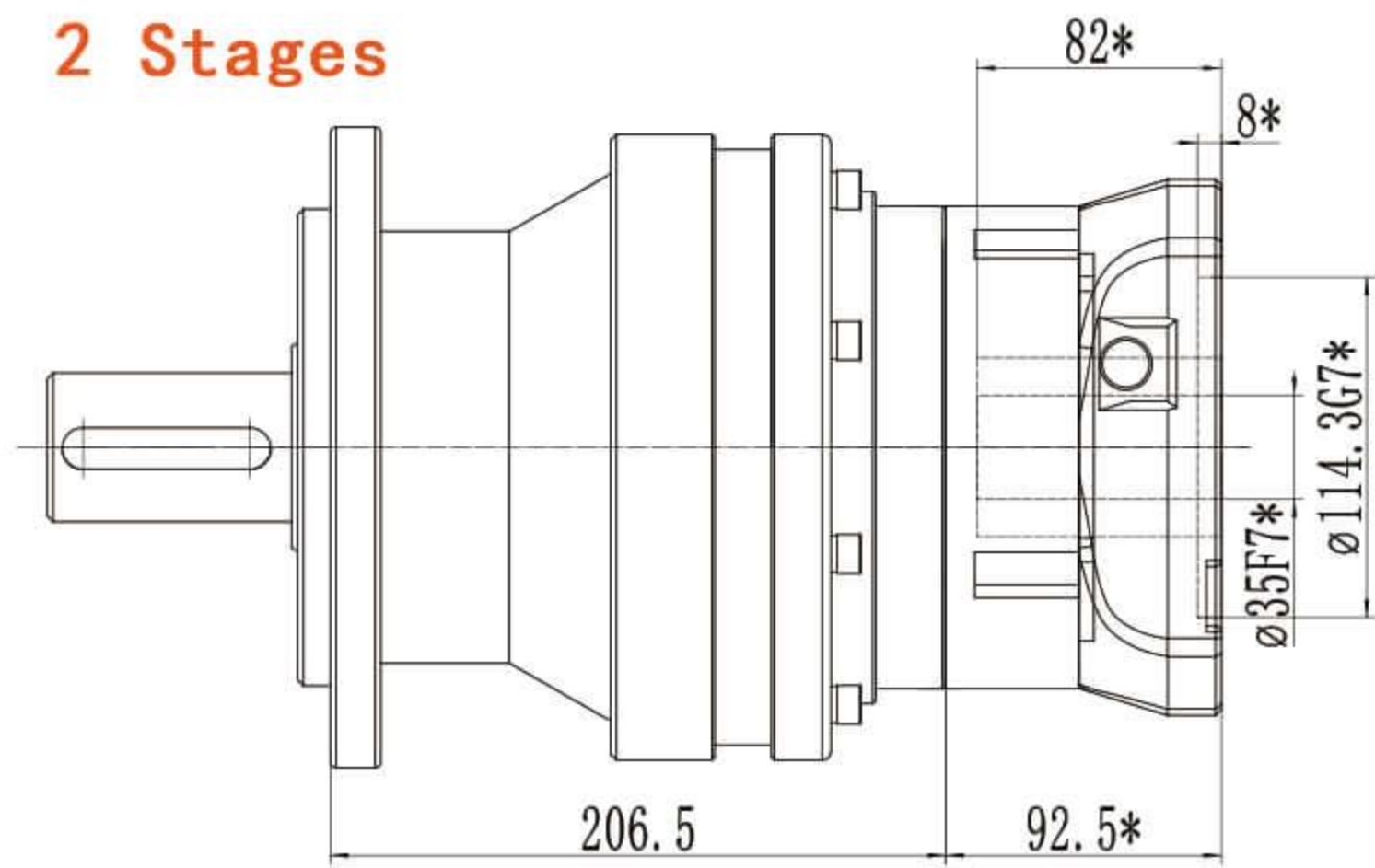
MOTOR SIZE

Servo motor, Stepper motor, Ac motor,
Dc motor, Hydraulic motor, Etc.

Outline dimension drawing of reducer/ 减速机外形尺寸图



*The size of this class depends on the size of the motor
Vent cap、The oil mirror、Drain plug the position varies with the use and installation of the reducer



Performance parameter/

Ratio 速比		L1					L2					L3					
	i	4	5	6	7	8	16	20	25	32	40	64	80	100	125	160	200
Nominal output torque 额定承载扭矩	Nm	1830	1377	1243	1179	989	3000	3000	2300	2000	2300	3000	3000	3000	2300	3000	2300
Maximum output torque 最大承载扭矩	Nm	3660	2754	2486	2358	1978	6000	6000	4600	4000	4600	6000	6000	6000	4600	6000	4600
Maximum radial load 容许最大径向负载	N	18000															
Maximum axial load 容许最大轴向负载	N	13000															
Nominal input speed 额定输入转速	rpm	1500					1500					2000					
Maximum input speed 最大输入转速	rpm	3000					3000					4000					
Backlash 回程间隙	P2	10					12					14					
Noise 噪音	dB (A)	72					70					68					
Efficiency 效率	%	97%					94%					91%					
Rated thermal power 额定热功率	KW	13					8					4					
Use of temperature 使用环境温度	℃	-15℃~40℃															
Service life 使用寿命	h	≥20000															
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油															
Reference weight 参考重量	KG	35					42					50					

Size, speed ratio and performance are recommended and customized.



HS 245 L1 - 5 - P2 - S2 - B5 / FI-

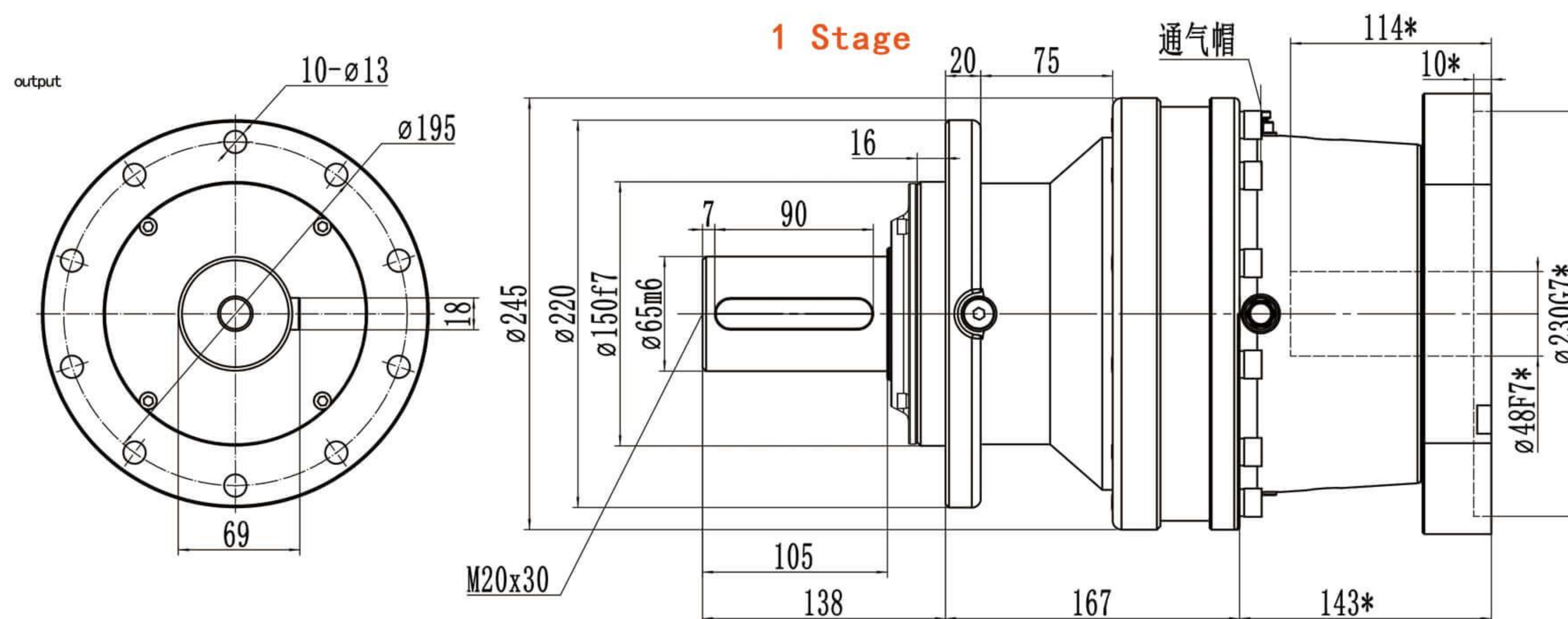
Model 系列 Size 规格 Stage 级数 Ratio i 速比 Precision 精度 Output mode 输出方式 Installation mode 安装方式 Input mode 输入方式



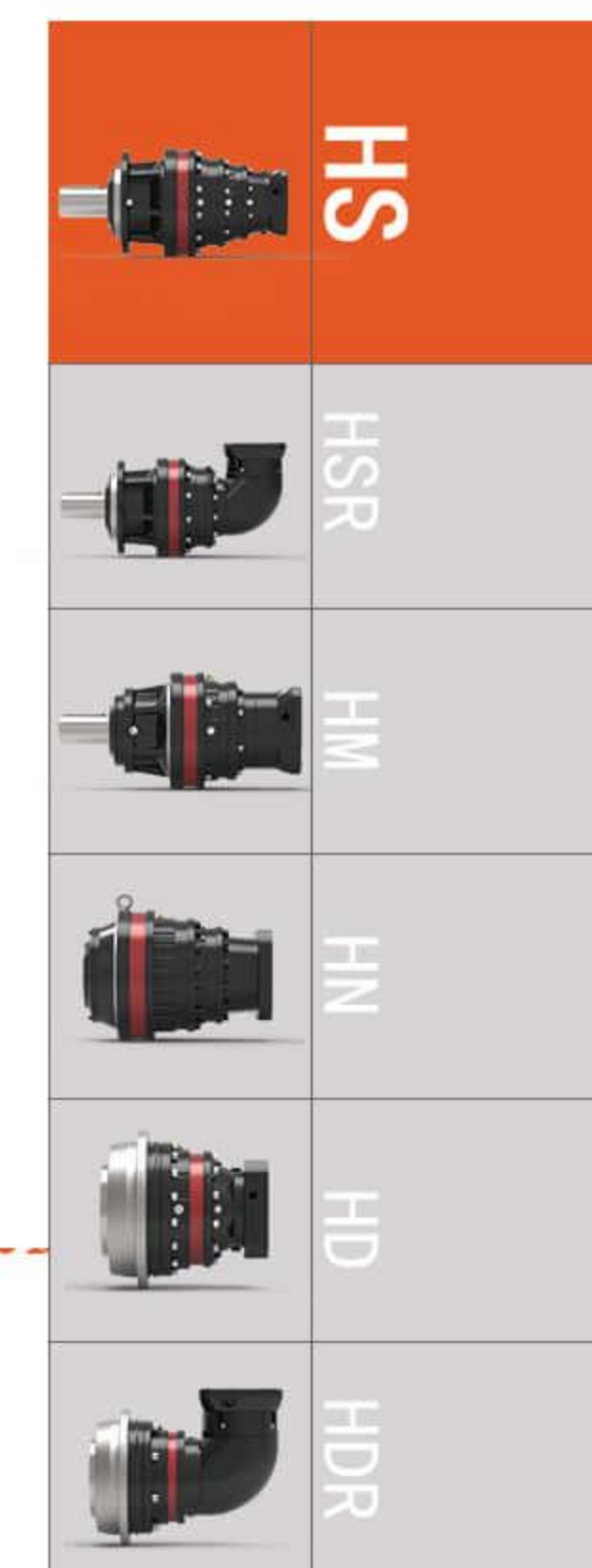
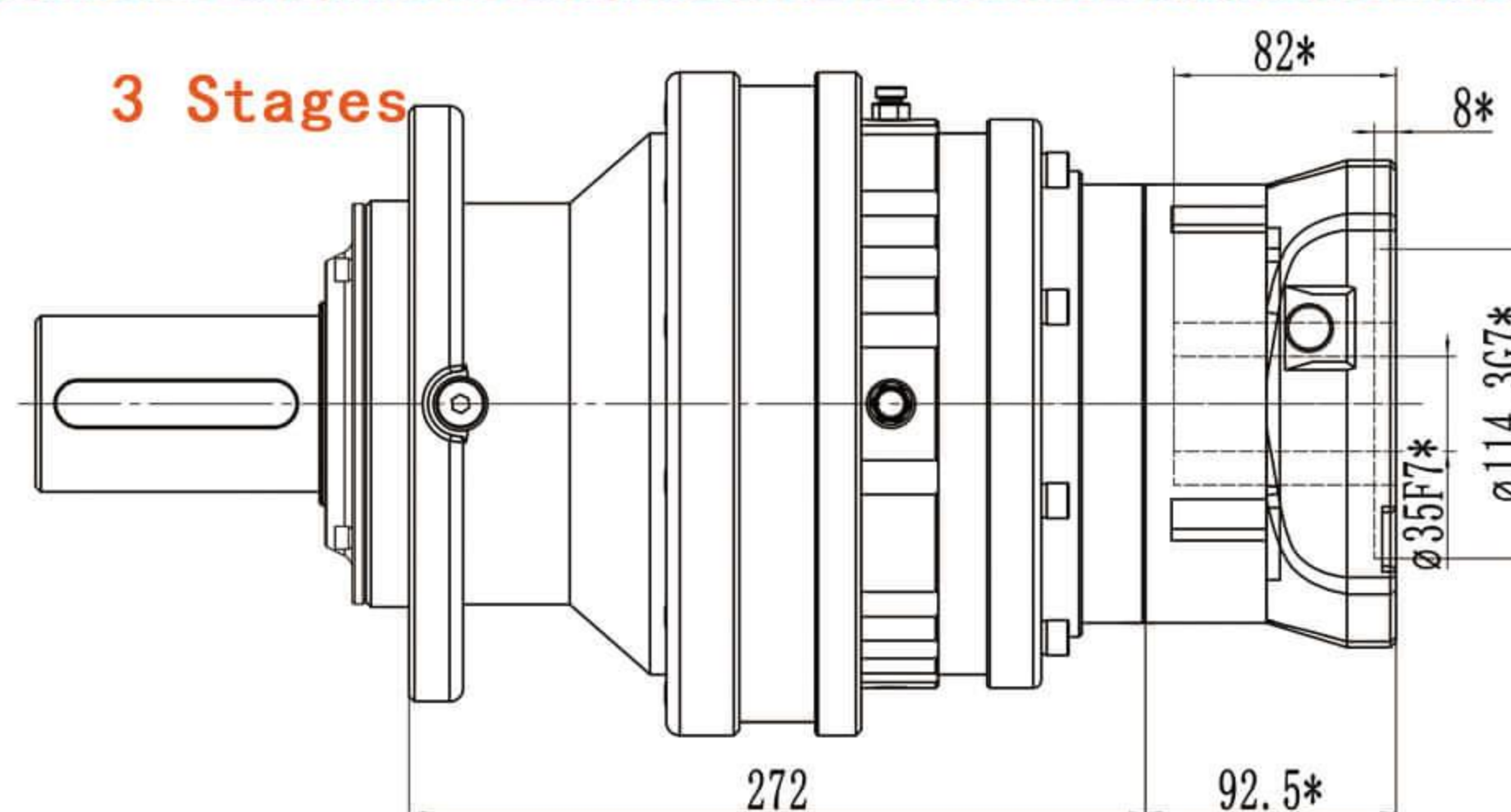
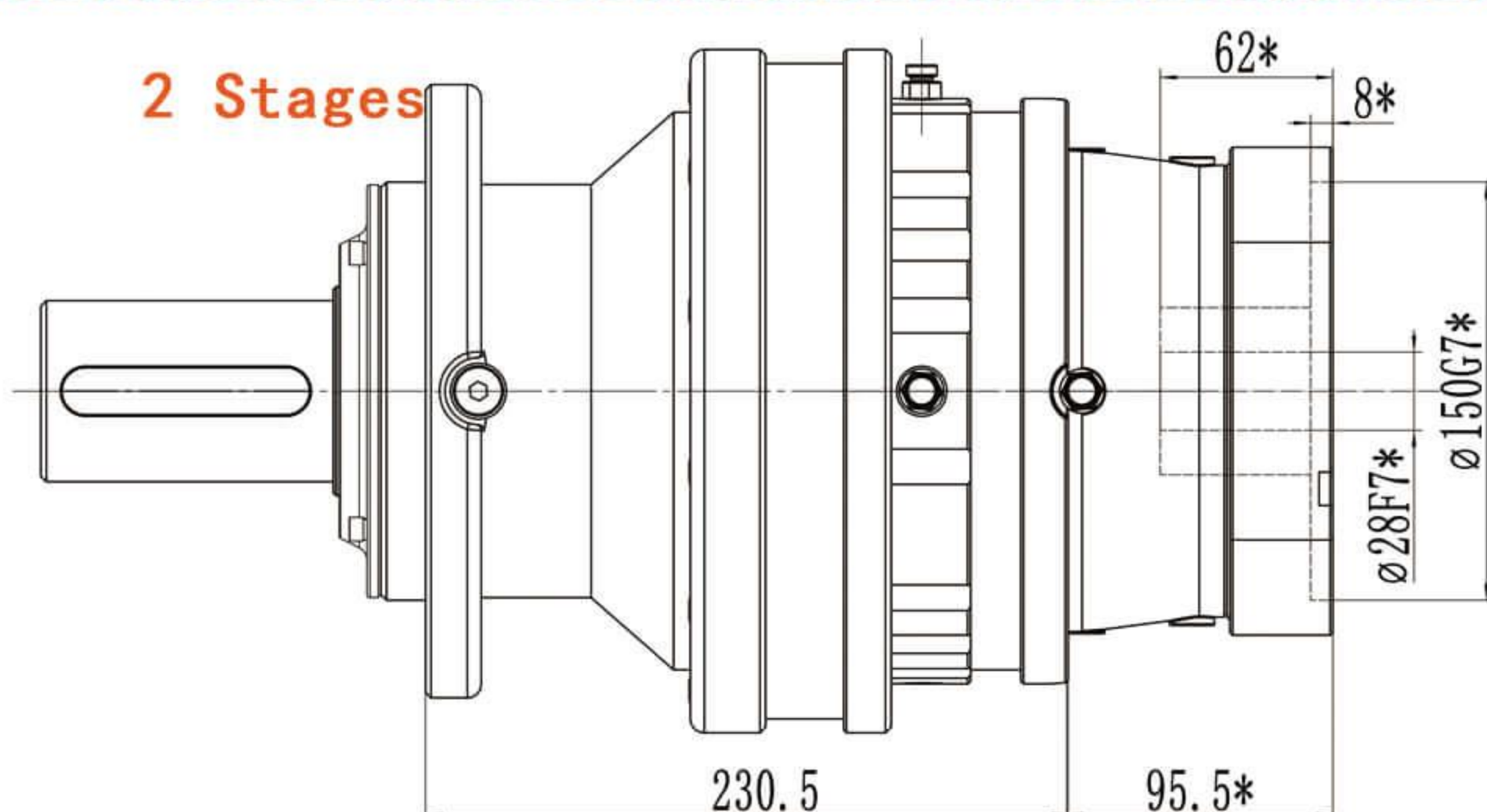
MOTOR SIZE

Servo motor, Stepper motor, Ac motor,
Dc motor, Hydraulic motor, Etc.

Outline dimension drawing of reducer/



The size of this class depends on the size of the motor
Vent cap, The oil mirror, Drain plug the position varies with the use and installation of the reducer



Performance parameter/

Ratio 速比		L1					L2									L3						
	i	4	5	6	7	8	16	20	24	25	28	30	32	35	40	64	80	100	120	160	192	200
Nominal output torque 额定承载扭矩	Nm	3493	2464	2065	1920	1574	5440	5440	4970	3300	4710	3300	3950	3300	3300	5440	5440	5440	4970	5440	4970	3300
Maximum output torque 最大承载扭矩	Nm	6986	4928	4130	3840	3148	10880	10880	9940	6600	9420	6600	7900	6600	6600	10880	10880	10880	9940	10880	9940	6600
Maximum radial load 容许最大径向负载	N	50000																				
Maximum axial load 容许最大轴向负载	N	20000																				
Nominal input speed 额定输入转速	rpm	1500					1500									1500						
Maximum input speed 最大输入转速	rpm	3000					3000									3000						
Backlash 回程间隙	P2	10					12									14						
Noise 噪音	dB (A)	75					72									70						
Efficiency 效率	%	97%					94%									91%						
Rated thermal power 额定热功率	KW	22					12									8						
Use of temperature 使用环境温度	℃	-15℃~40℃																				
Service life 使用寿命	h	≥20000																				
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																				
Reference weight 参考重量	KG	47					56									61						

Size, speed ratio and performance are recommended and customized.

[illegible]

Ratio 速比		L1					L2									L3								
	i	4	5	6	7	8	16	20	24	25	28	30	32	35	40	64	80	100	120	140	160	192	200	
Nominal output torque 额定承载扭矩	Nm	5117	3687	3034	2782	2238	8270	8270	8270	5500	7860	5500	6290	5500	5500	8270	8270	8270	8270	8270	8270	8270	5500	
Maximum output torque 最大承载扭矩	Nm	10234	7374	6068	5564	4476	16540	16540	16540	11000	15720	11000	12580	11000	11000	16540	16540	16540	16540	16540	16540	16540	11000	
Maximum radial load 容许最大径向负载	N	78000																						
Maximum axial load 容许最大轴向负载	N	34000																						
Nominal input speed 额定输入转速	rpm	1500					1500									1500								
Maximum input speed 最大输入转速	rpm	2000					3000									3000								
Backlash 回程间隙	P2	10					12									14								
Noise 噪音	dB (A)	75					72									70								
Efficiency 效率	%	97%					94%									91%								
Rated thermal power 额定热功率	KW	30					18									12								
Use of temperature 使用环境温度	℃	-15℃~40℃																						
Service life 使用寿命	h	≥20000																						
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																						
Reference weight 参考重量	KG	94					105									115								

Size, speed ratio and performance are recommended and customized.



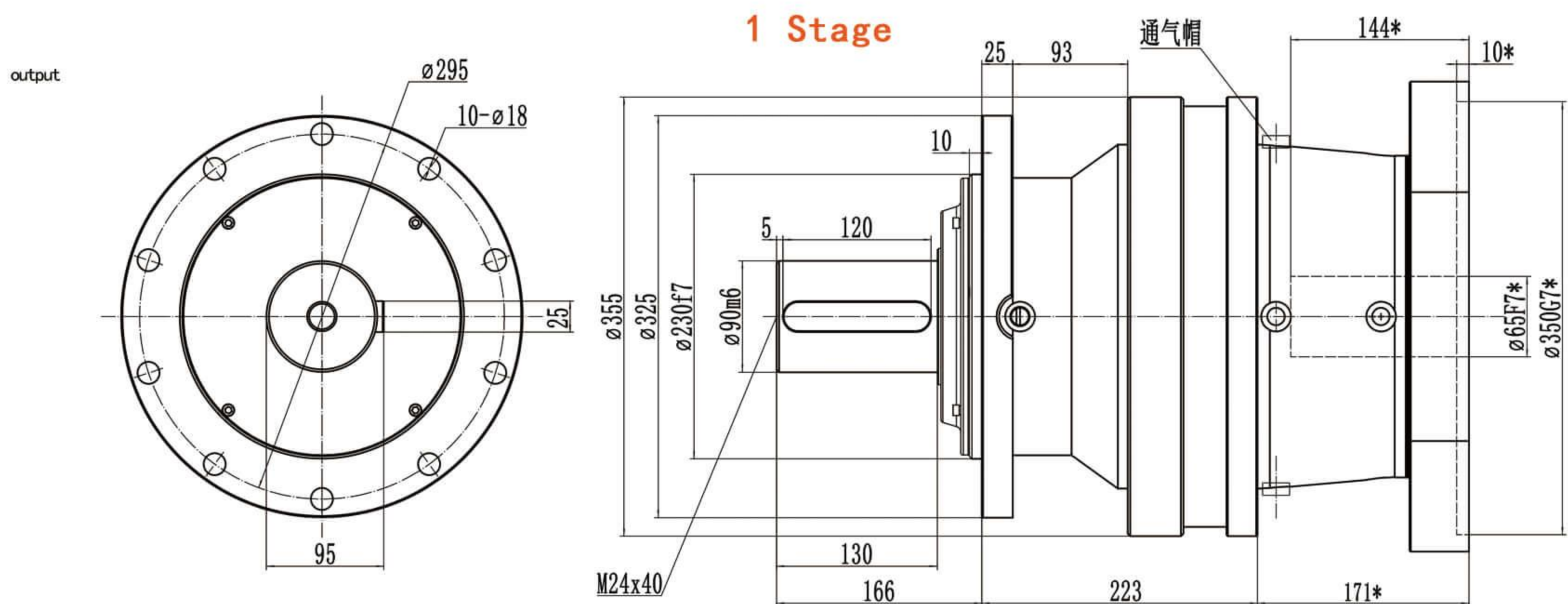
HS 355 L1 - 8 - P2 - S2 - B5 / FI-

Model Size Stage Ratio i Precision Output model Installation mode Input mode

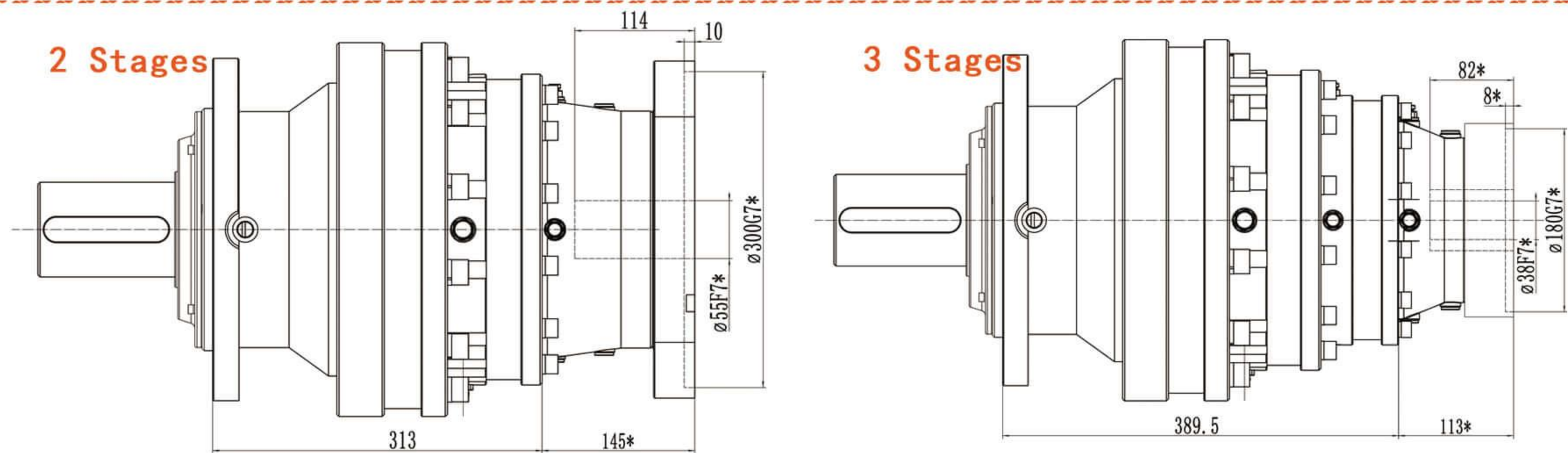
MOTOR SIZE

Servo motor, Stepper motor, Ac motor,
Dc motor, Hydraulic motor, Etc.

Outline dimension drawing of reducer/



*The size of this class depends on the size of the motor
Vent cap, The oil mirror, Drain plug the position varies with the use and installation of the reducer



Performance parameter/

Ratio 速比		L1					L2								L3								
	i	4	5	6	7	8	16	20	24	25	28	30	32	35	40	64	80	100	120	140	160	192	200
Nominal output torque 额定承载扭矩	Nm	9028	6694	5554	5271	4335	13600	13600	12130	9000	11120	9000	8950	9000	9000	13600	13600	13600	13600	13600	13600	12130	9000
Maximum output torque 最大承载扭矩	Nm	18056	13388	11108	10542	8670	27200	27200	24260	18000	22240	18000	17900	18000	18000	27200	27200	27200	27200	27200	27200	24260	18000
Maximum radial load 容许最大径向负载	N	100000																					
Maximum axial load 容许最大轴向负载	N	41000																					
Nominal input speed 额定输入转速	rpm	1500					1500								1500								
Maximum input speed 最大输入转速	rpm	2000					2000								3000								
Backlash 回程间隙	P2	12					14								16								
Noise 噪音	dB (A)	78					75								72								
Efficiency 效率	%	97%					94%								91%								
Rated thermal power 额定热功率	KW	40					23								15								
Use of temperature 使用环境温度	℃	-15℃~40℃																					
Service life 使用寿命	h	≥20000																					
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																					
Reference weight 参考重量	KG	137					168								176								

Size, speed ratio and performance are recommended and customized.



HS 410 L1 - 5 - P2 - S2 - B5 / FI-

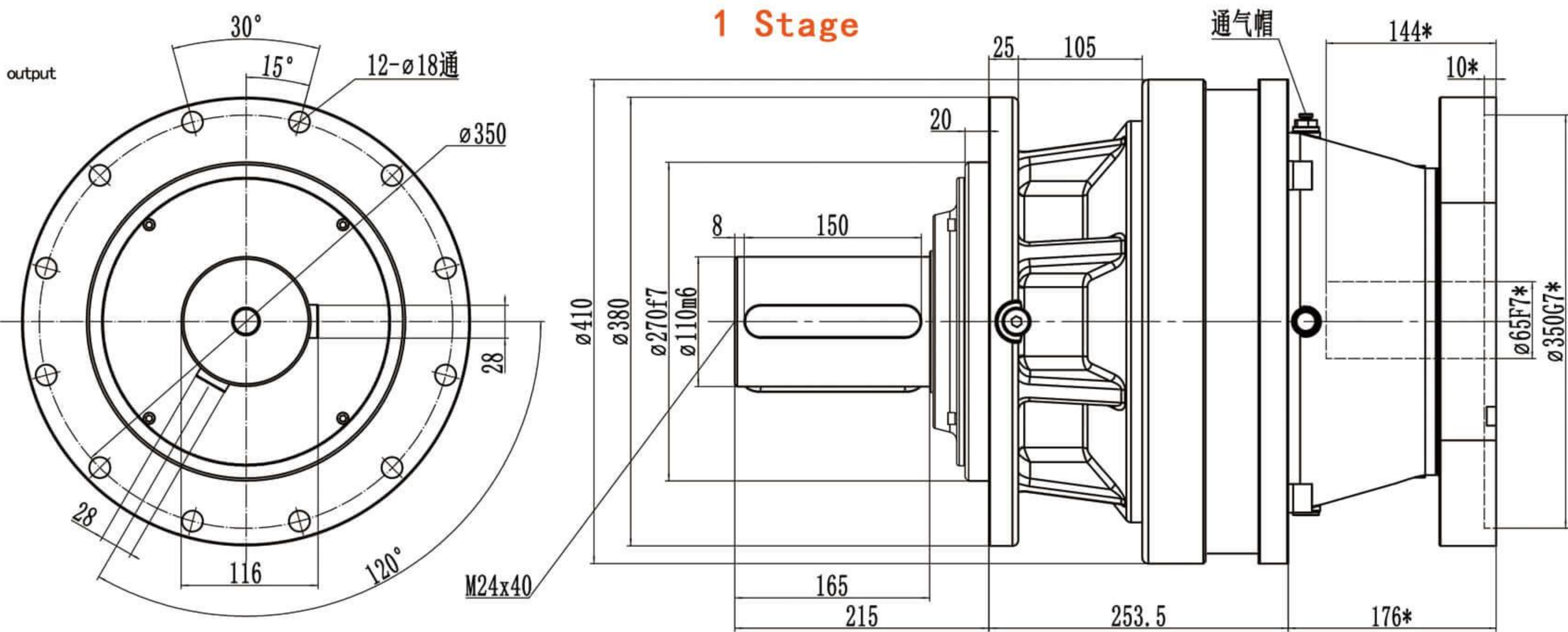
Model Size Stage Ratio i Precision Output model Installation mode Input mode



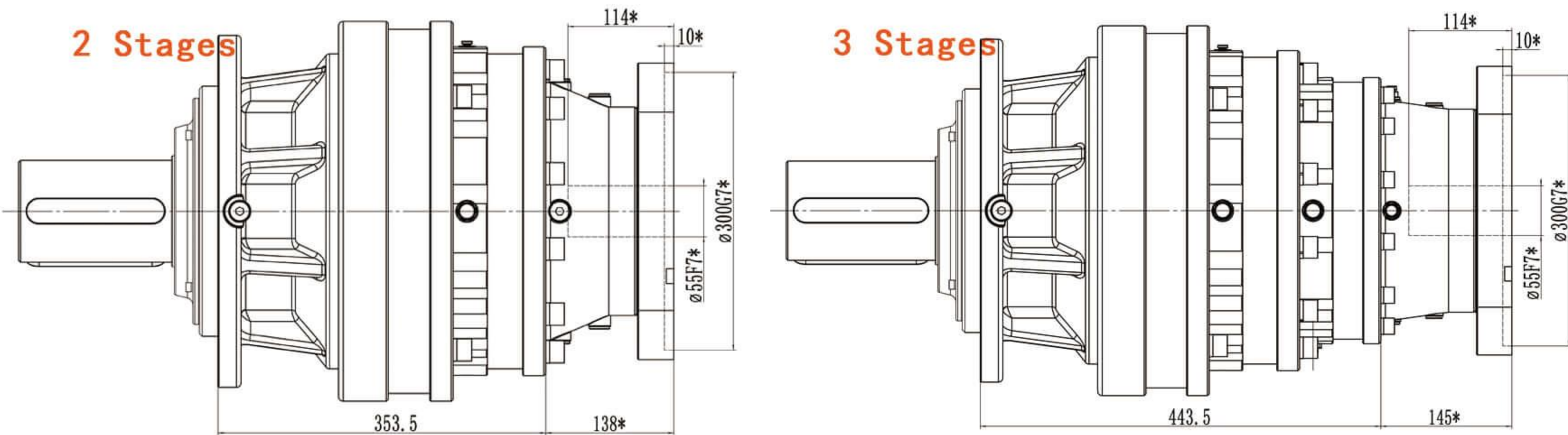
MOTOR SIZE

Servo motor, Stepper motor, Ac motor,
Dc motor, Hydraulic motor, Etc.

Outline dimension drawing of reducer/



* The size of this class depends on the size of the motor
Vent cap、The oil mirror、Drain plug the position varies with the use and installation of the reducer

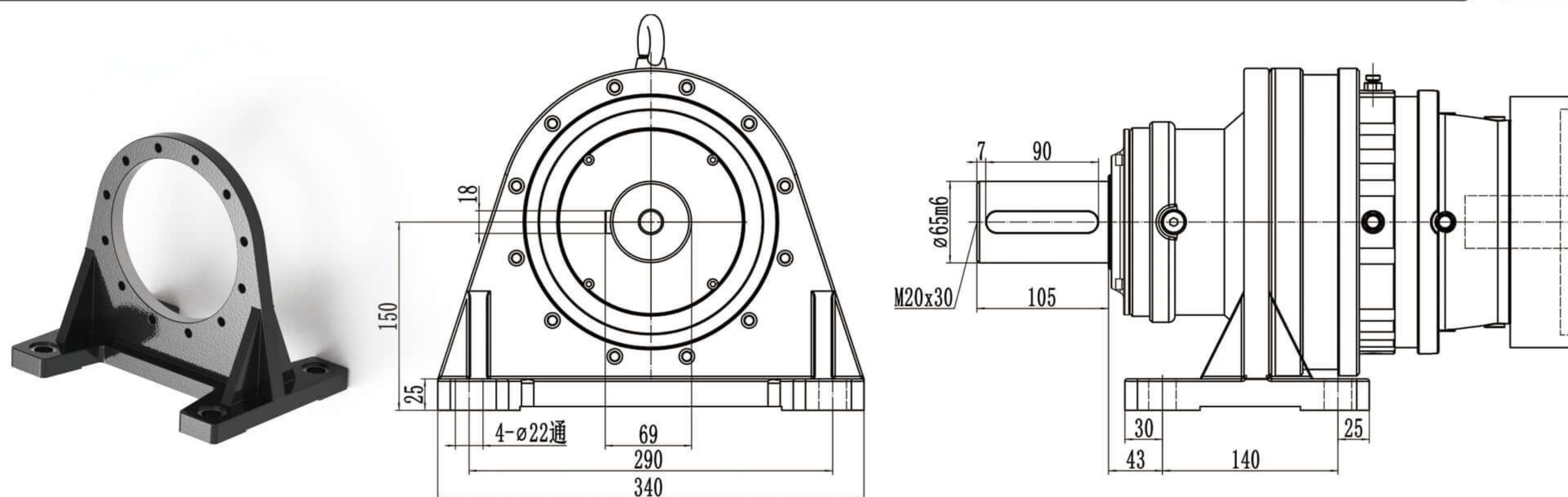


Performance parameter/

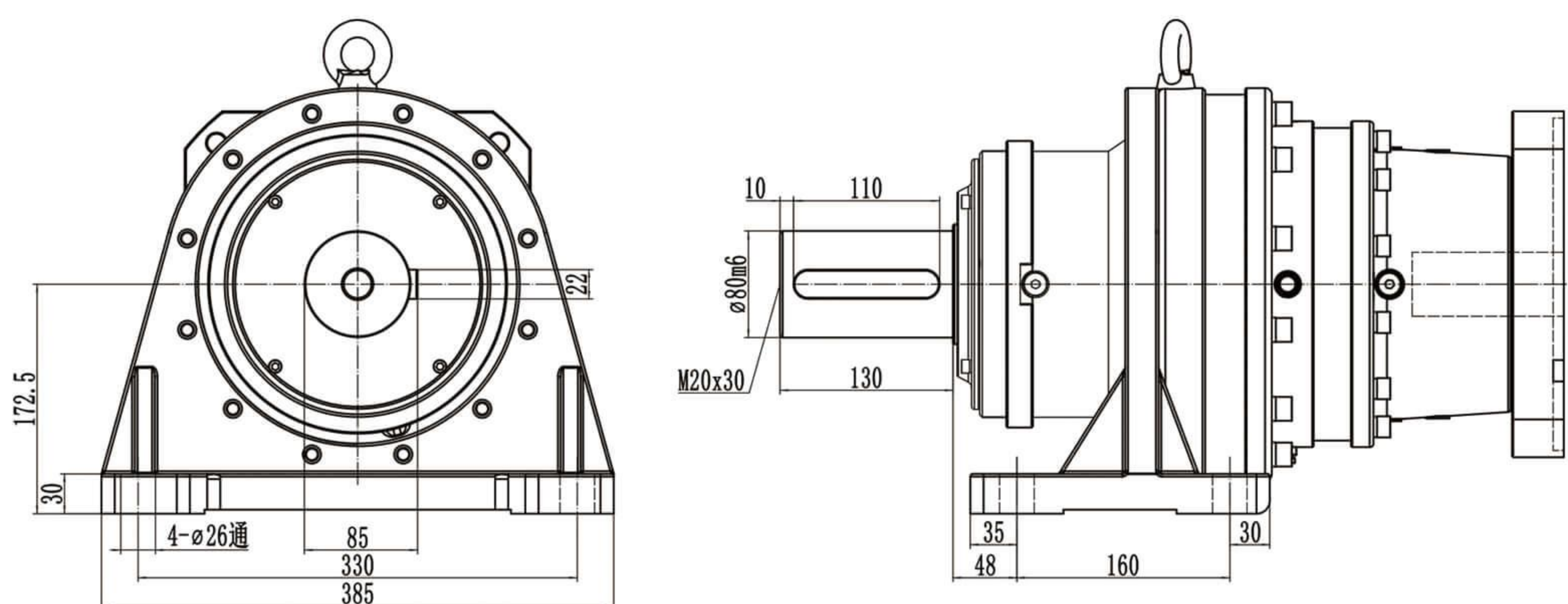
Ratio 速比		L1					L2									L3								
	i	4	5	6	7	8	16	20	24	25	28	30	32	35	40	64	80	100	120	140	160	192	200	
Nominal output torque 额定承载扭矩	Nm	15600	11400	9371	8850	7000	21000	21000	21000	13600	21000	13600	17340	13600	13600	21000	21000	21000	21000	21000	21000	21000	13600	
Maximum output torque 最大承载扭矩	Nm	31200	22800	18742	17700	14000	42000	42000	42000	27200	42000	27200	34680	27200	27200	42000	42000	42000	42000	42000	42000	42000	27200	
Maximum radial load 容许最大径向负载	N	114000																						
Maximum axial load 容许最大轴向负载	N	45000																						
Nominal input speed 额定输入转速	rpm	1500					1500									1500								
Maximum input speed 最大输入转速	rpm	2000					2000									2000								
Backlash 回程间隙	P2	12					14									16								
Noise 噪音	dB (A)	78					75									72								
Efficiency 效率	%	97%					94%									91%								
Rated thermal power 额定热功率	KW	54					30									22								
Use of temperature 使用环境温度	℃	-15℃~40℃																						
Service life 使用寿命	h	≥20000																						
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																						
Reference weight 参考重量	KG	197					234									265								

Size, speed ratio and performance are recommended and customized.

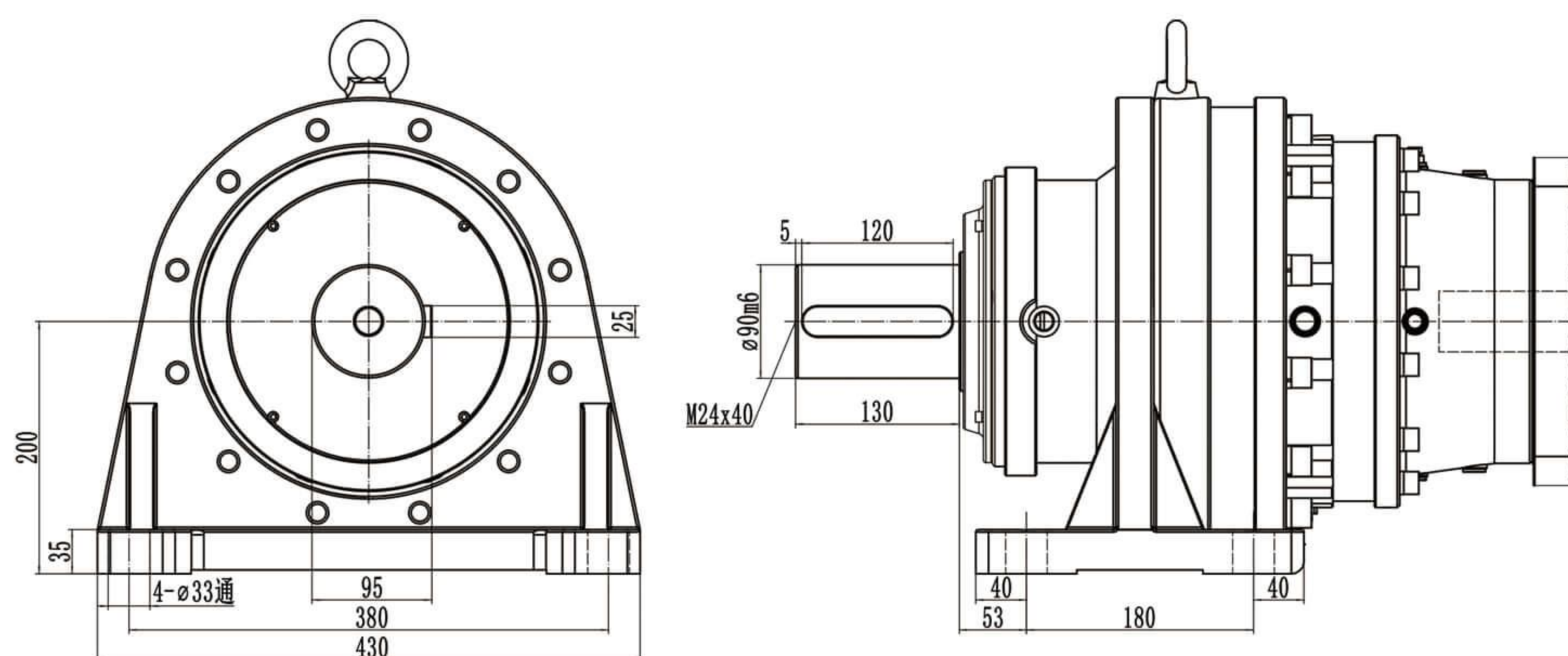
HS245 Line footing size/



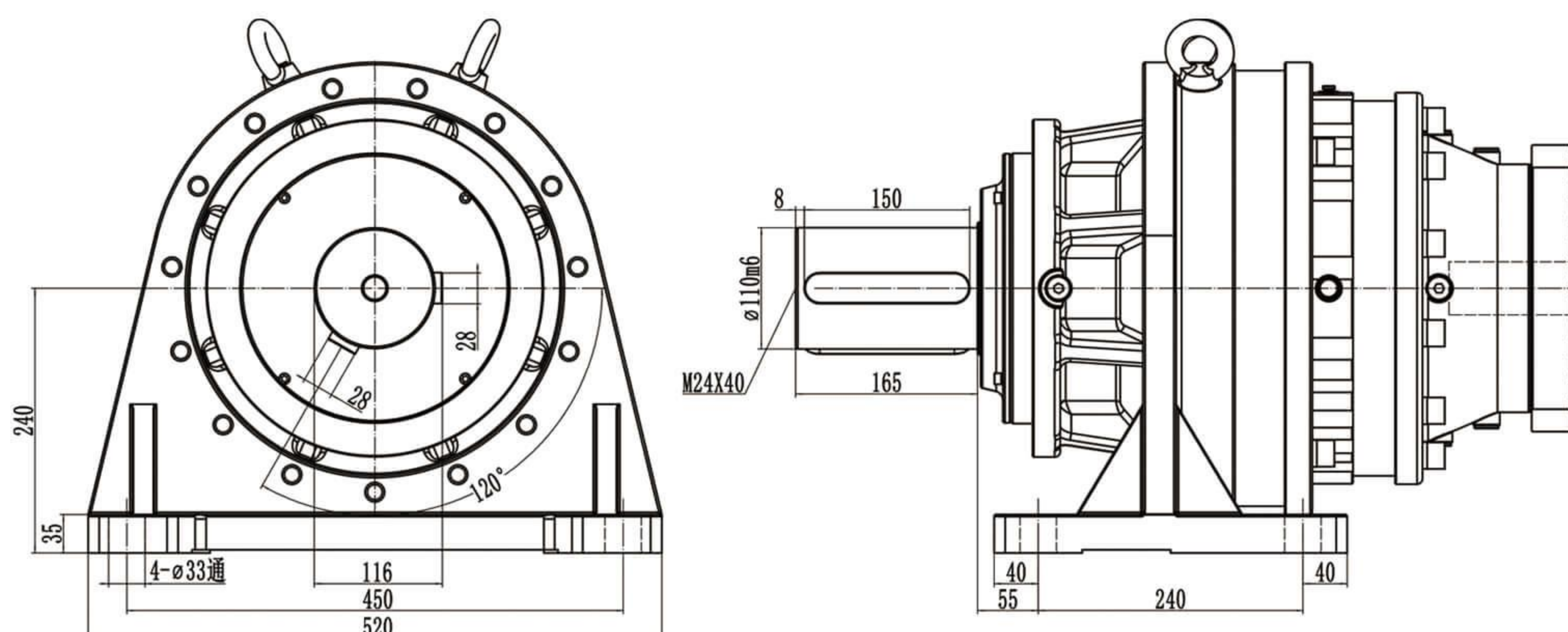
HS295 Line footing size/



HS355 Line footing size/



HS410 Line footing size/

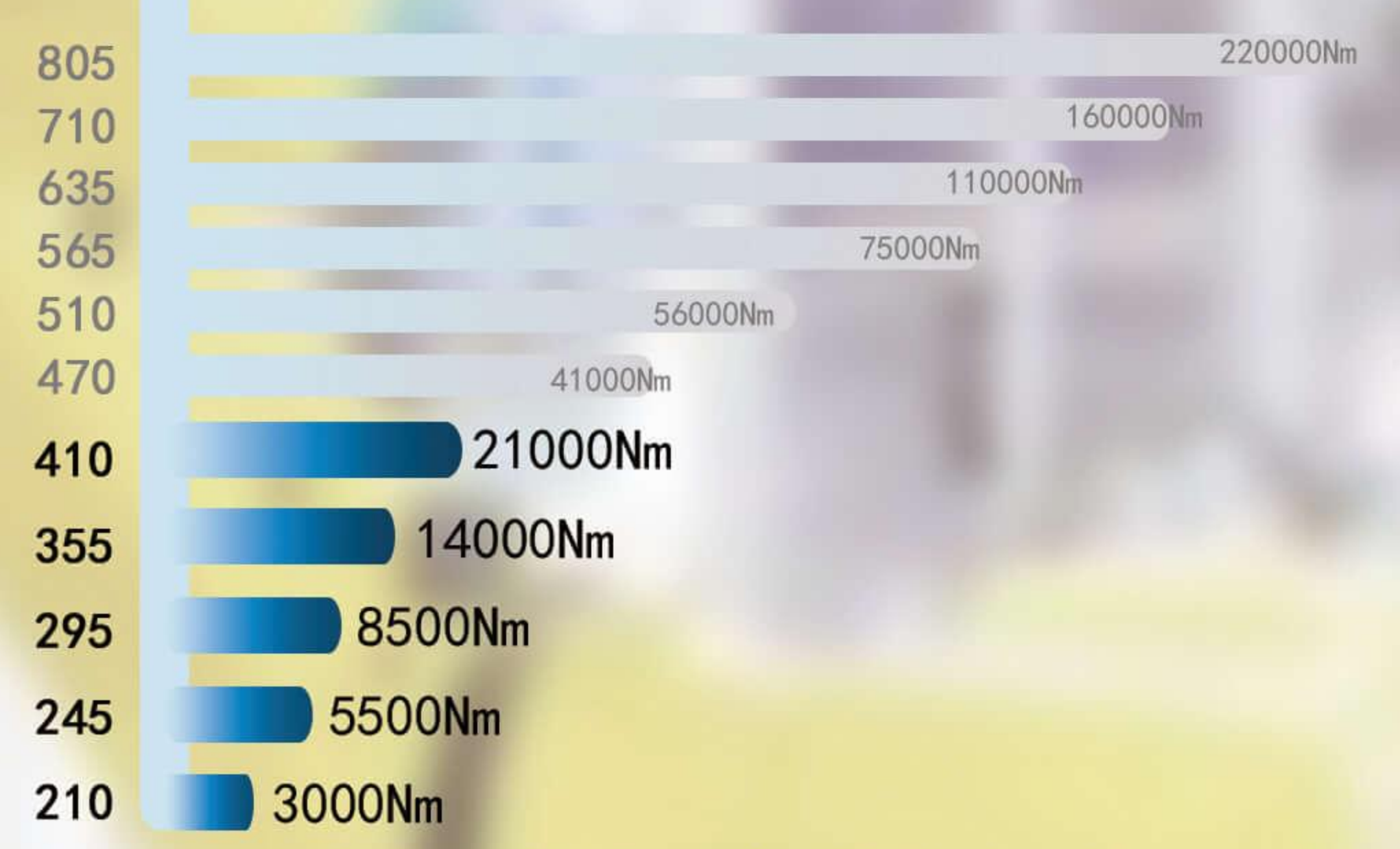


	HS
	HSR
	HM
	HN
	HD
	HDR

Size, speed ratio and performance are recommended and customized.

HSR series

High efficiency Low noise



Nominal torque(Nm) diagram,for quick selection only.

OUTPUT TYPE

INPUT TYPE

INSTALLATION METHODS

OUTPUT TYPE			INPUT TYPE		INSTALLATION METHODS
SHAFT	SHAFT WITH KEY	SPLINED SHAFT	FLANGE INPUT		LINE FOOTING
S1	S2	S3	FI		
	标配			标配	
HOLLOW	HOLLOW WITH KEY	SPLINED HOLLOW	SHAFT INPUT		
K1	K2	K3	SI		

Size, speed ratio and performance are recommended,Support for custom

■ Speed reducer performance data/

Parameters 参数	Stage 级数	Ratio 速比	Model 型号				
			HSR210	HSR245	HSR295	HSR355	HSR410
Nominal output torque 额定承载扭矩	L2	4	1830	3493	5117		
		5	1377	2464	3687		
		6	1243	2065	3034		
		7	1179	1920	2782		
		8	1830	3493	5117	9028	
		10	1377	2464	3687	6694	
		12	1243	2065	3034	5554	
		14	1179	1920	2782	5271	
		16	989	1574	2238	4335	
	L3	20	3000	5440	8270	13600	21000
		25	2300	3300	5500	9000	13600
		28		4710	7860	11120	21000
		32	2000	5440	8270	13600	21000
		40	2300	5440	8270	13600	21000
		48		4970	8270	12130	21000
		50		3300	5500	9000	13600
		56		4710	7860	11120	21000
		64	L4/3000	3950	6290	8950	17340
		80	L4/3000	3300	5500	9000	13600
	L4	100	3000	5440	8270	13600	21000
		128	3000	5440	8270	13600	21000
		160	3000	5440	8270	13600	21000
		200	2300	3300	8270	13600	21000
		240			8270	13600	21000
		280			8270	13600	21000
		320	2300	3300	8270	13600	21000
		384			8270	12130	18600
		512			8270	13600	21000
	L5	640			8270	13600	21000
		800			8270	13600	21000
		1000			8270	13600	21000
		1120			8270	13600	21000
		1200			8270	13600	21000
		1280			8270	13600	21000
	所列速比仅为部分型号，如需其它请联系工厂。						
Maximum output torque 最大承载扭矩	Nm		See the schedule of each model for details 详见各型号附表				
Maximum radial load 容许最大径向负载	N		18000	50000	78000	100000	114000
Maximum axial load 容许最大轴向负载	N		13000	20000	34000	41000	45000
Nominal input speed 额定输入转速	rpm		See the schedule of each model for details 详见各型号附表				
Maximum input speed 最大输入转速	rpm		See the schedule of each model for details 详见各型号附表				
Backlash 回程间隙			See the schedule of each model for details 详见各型号附表				
Noise 噪音	dB (A)		See the schedule of each model for details 详见各型号附表				
Efficiency 效率	L1		See the schedule of each model for details 详见各型号附表				
Use of temperature 使用环境温度	°C		-15°C~40°C				
Service life 使用寿命	h		≥20000				
Lubrication 润滑			Grease or Lubricating oil 润滑脂或润滑油				

*Size, speed ratio and performance are recommended and customized.
尺寸、速比、性能皆为标准推荐，支持定制。





HSR 210 L2 - 5 - P2 - S2 - B5 / FI-

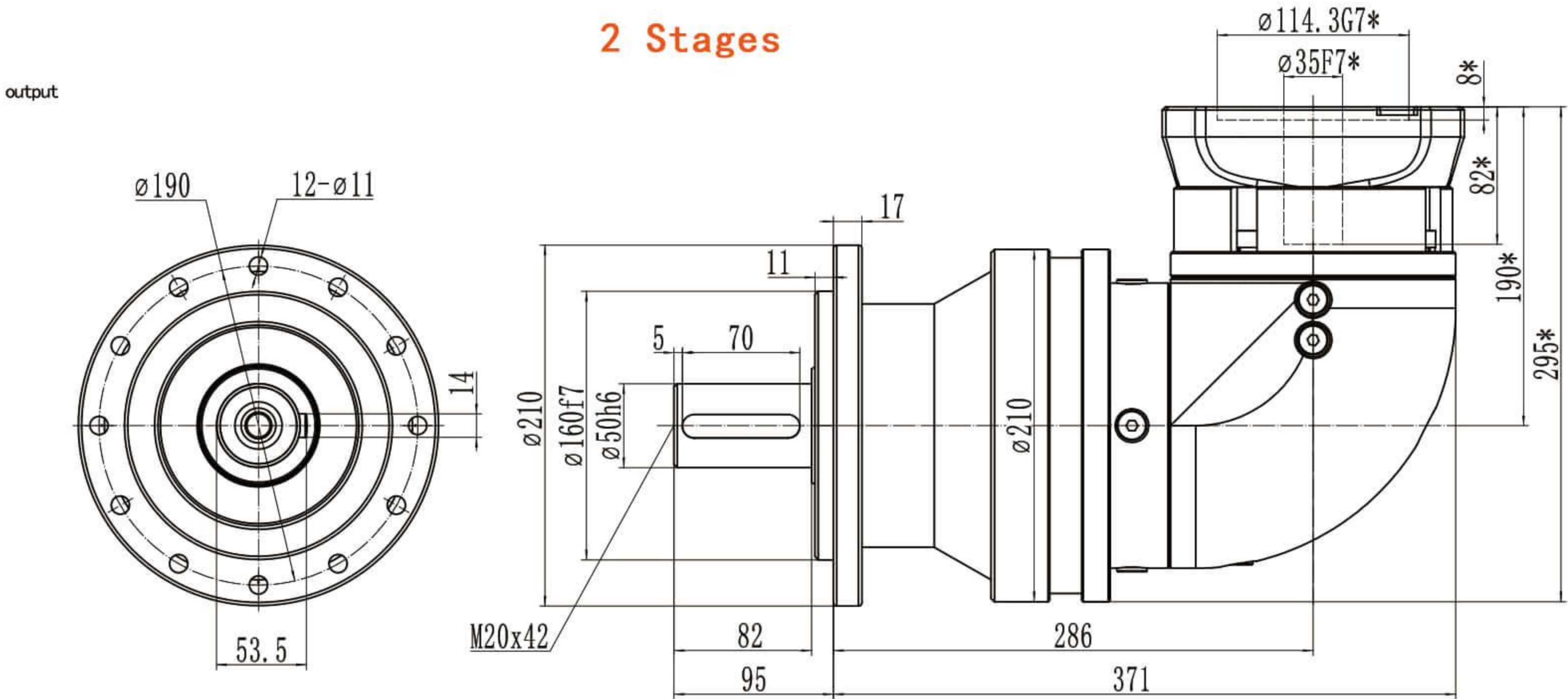
Model Size Stage Ratio i Precision Output mode Installation mode Input mode
输入方式

MOTOR SIZE

Servo motor, Stepper motor, Ac motor,
Dc motor, Hydraulic motor, Etc.

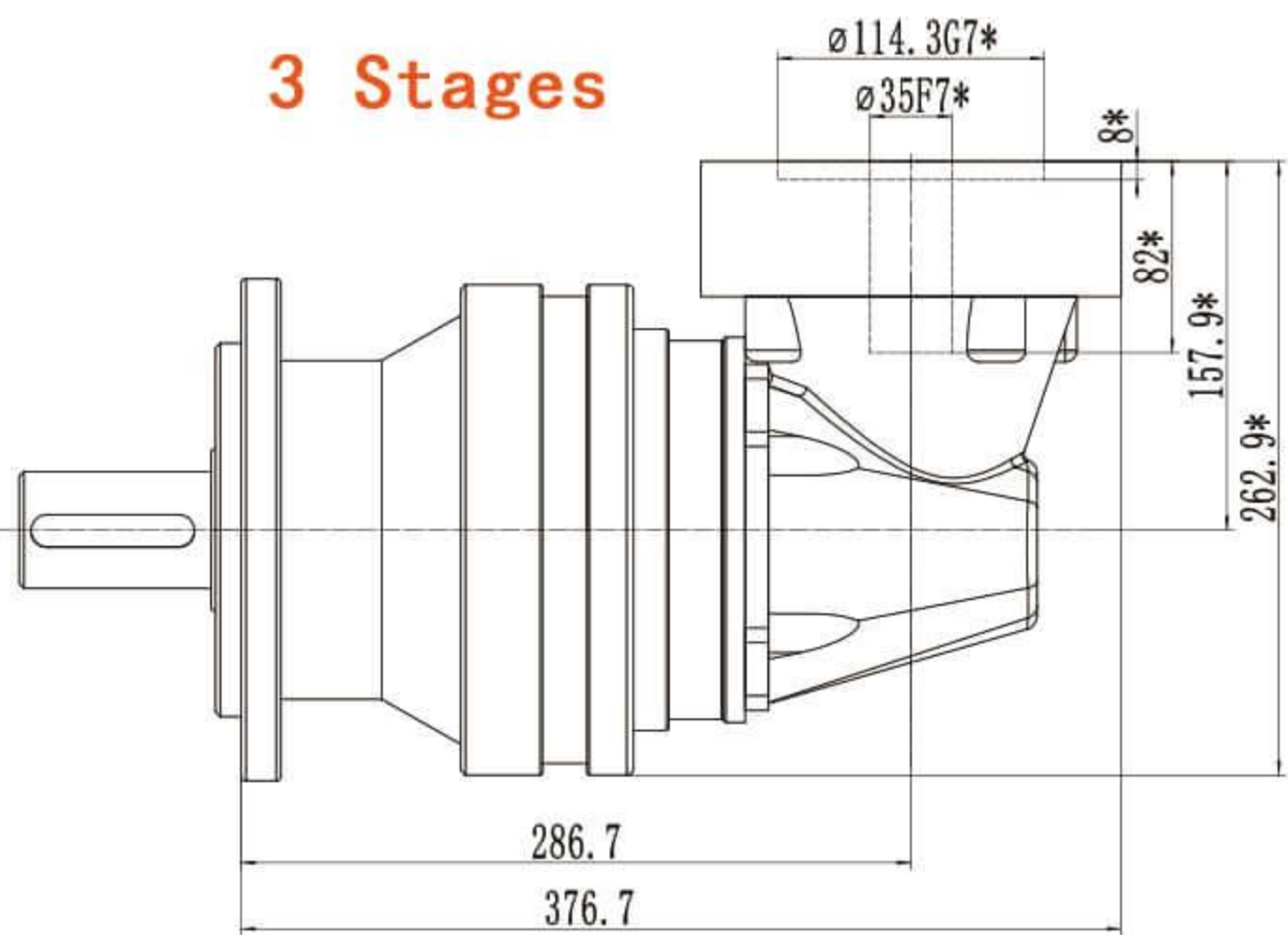
Outline dimension drawing of reducer/

2 Stages

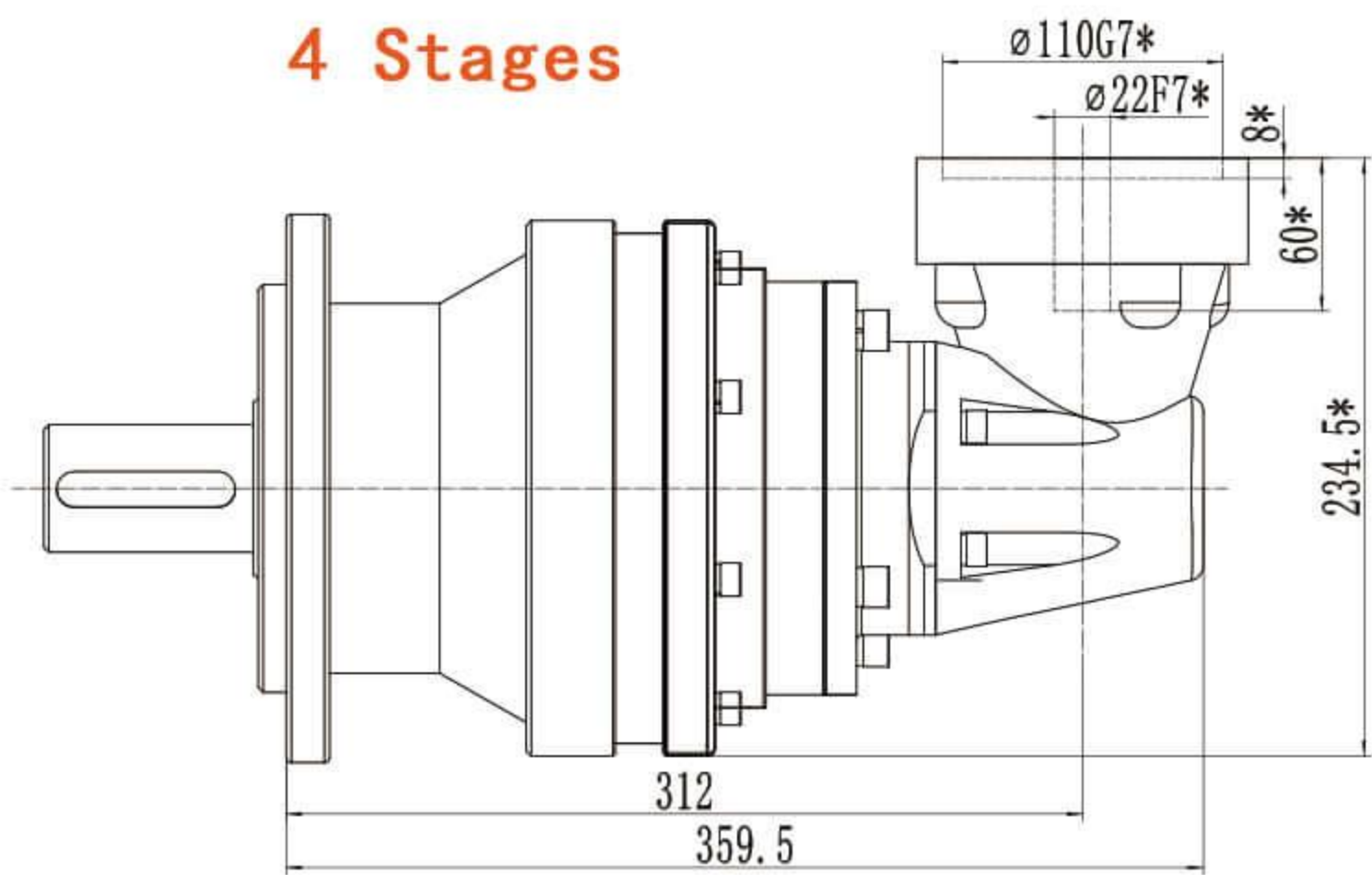


*The size of this class depends on the size of the motor
Vent cap. The oil mirror. Drain plug the position varies with the use and installation of the reducer

3 Stages



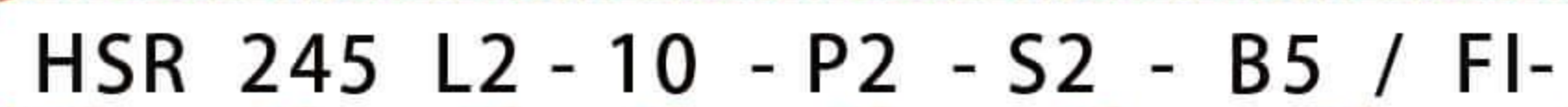
4 Stages



Performance parameter/

Ratio 速比		L2									L3				L4					
	i	4	5	6	7	8	10	12	14	16	20	25	32	40	64	80	100	125	160	200
Nominal output torque 额定承载扭矩	Nm	1830	1377	1243	1179	1830	1377	1243	1179	989	3000	2300	2000	2300	3000	3000	3000	2300	3000	2300
Maximum output torque 最大承载扭矩	Nm	3660	2754	2486	2358	3660	2754	2486	2358	1978	6000	4600	4000	4600	6000	6000	6000	4600	6000	4600
Maximum radial load 容许最大径向负载	N	18000																		
Maximum axial load 容许最大轴向负载	N	13000																		
Nominal input speed 额定输入转速	rpm	1500									1500				1500					
Maximum input speed 最大输入转速	rpm	3000									3000				3000					
Backlash 回程间隙	P2	12									14				16					
Noise 噪音	dB (A)	72									70				68					
Efficiency 效率	%	94%									91%				88%					
Rated thermal power 额定热功率	KW	8									4				2					
Use of temperature 使用环境温度	℃	-15℃~40℃																		
Service life 使用寿命	h	≥20000																		
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																		
Reference weight 参考重量	KG	46									52				57					

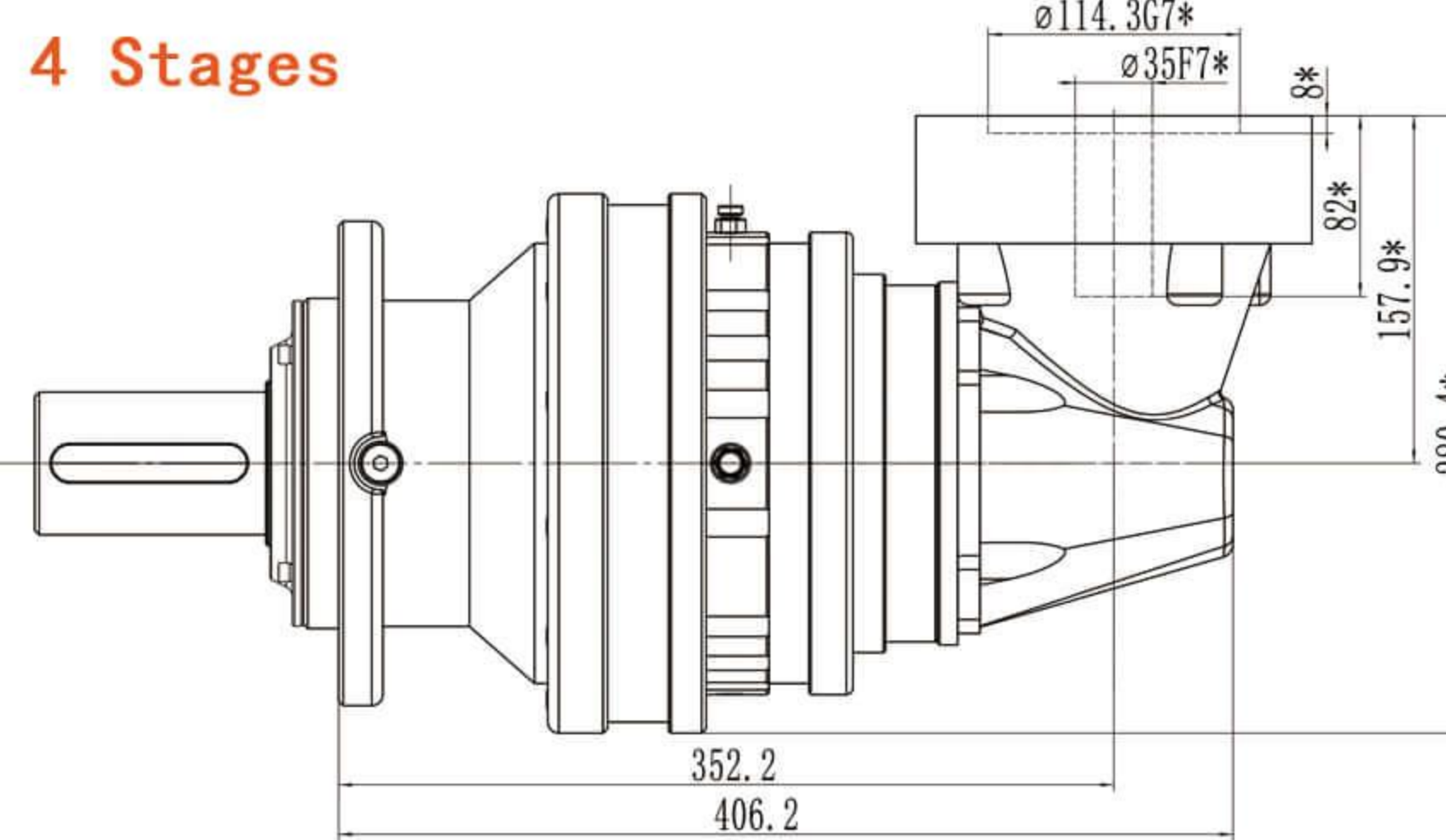
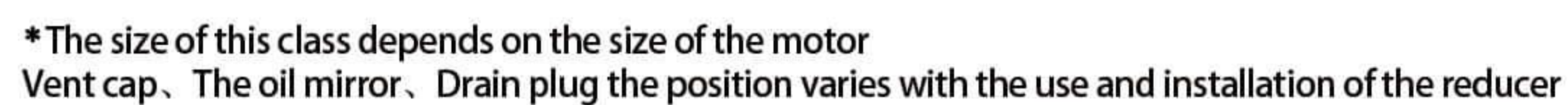
Size, speed ratio and performance are recommended and customized.



MOTOR SIZE

Servo motor, Stepper motor, Ac motor,
Dc motor, Hydraulic motor, Etc.

Outline dimension drawing of reducer/



Ratio 速比		L2									L3										L4			
	i	4	5	6	7	8	10	12	14	16	20	25	28	32	40	48	50	56	64	80	100	128	160	200
Nominal output torque 额定承载扭矩	Nm	3493	2464	2065	1920	3493	2464	2065	1920	1574	5440	3300	4710	5440	5440	4970	3300	4710	3950	3300	5440	5440	5440	3300
Maximum output torque 最大承载扭矩	Nm	6986	4928	4130	3840	6986	4928	4130	3840	3148	10880	6600	9420	10880	10880	9940	6600	9420	7900	6600	10880	10880	10880	6600
Maximum radial load 容许最大径向负载	N	50000																						
Maximum axial load 容许最大轴向负载	N	20000																						
Nominal input speed 额定输入转速	rpm	1500									1500										1500			
Maximum input speed 最大输入转速	rpm	3000									3000										3000			
Backlash 回程间隙	P2	12									14										16			
Noise 噪音	dB (A)	75									72										70			
Efficiency 效率	%	94%									91%										88%			
Rated thermal power 额定热功率	KW	12									8										4			
Use of temperature 使用环境温度	℃	-15℃~40℃																						
Service life 使用寿命	h	≥20000																						
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																						
Reference weight 参考重量	KG	80									85										90			

Size, speed ratio and performance are recommended and customized.



HSR 295 L2 - 10 - P2 - S2 - B5 / FI-

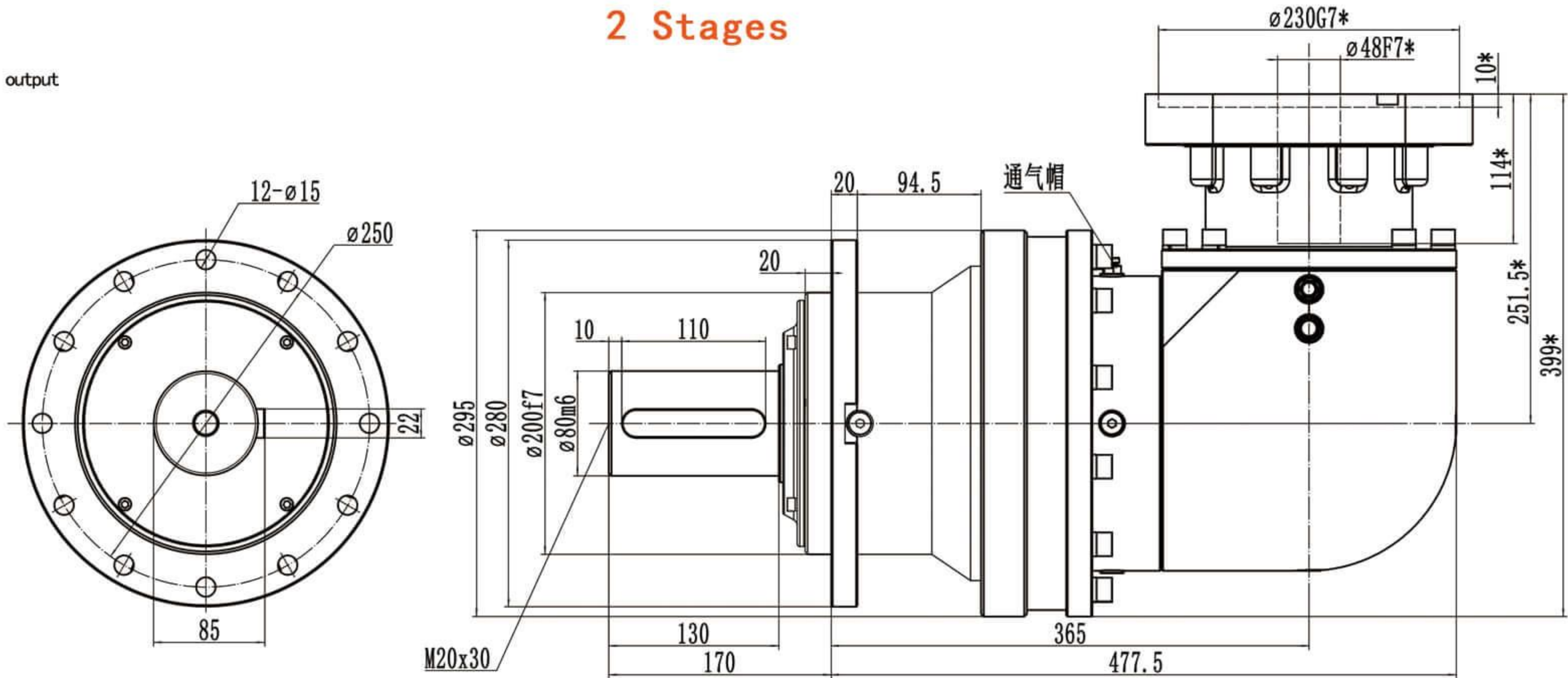
Model Size Stage Ratio i Precision Output model Installation mode Input mode

MOTOR SIZE

Servo motor, Stepper motor, Ac motor,
Dc motor, Hydraulic motor, Etc.

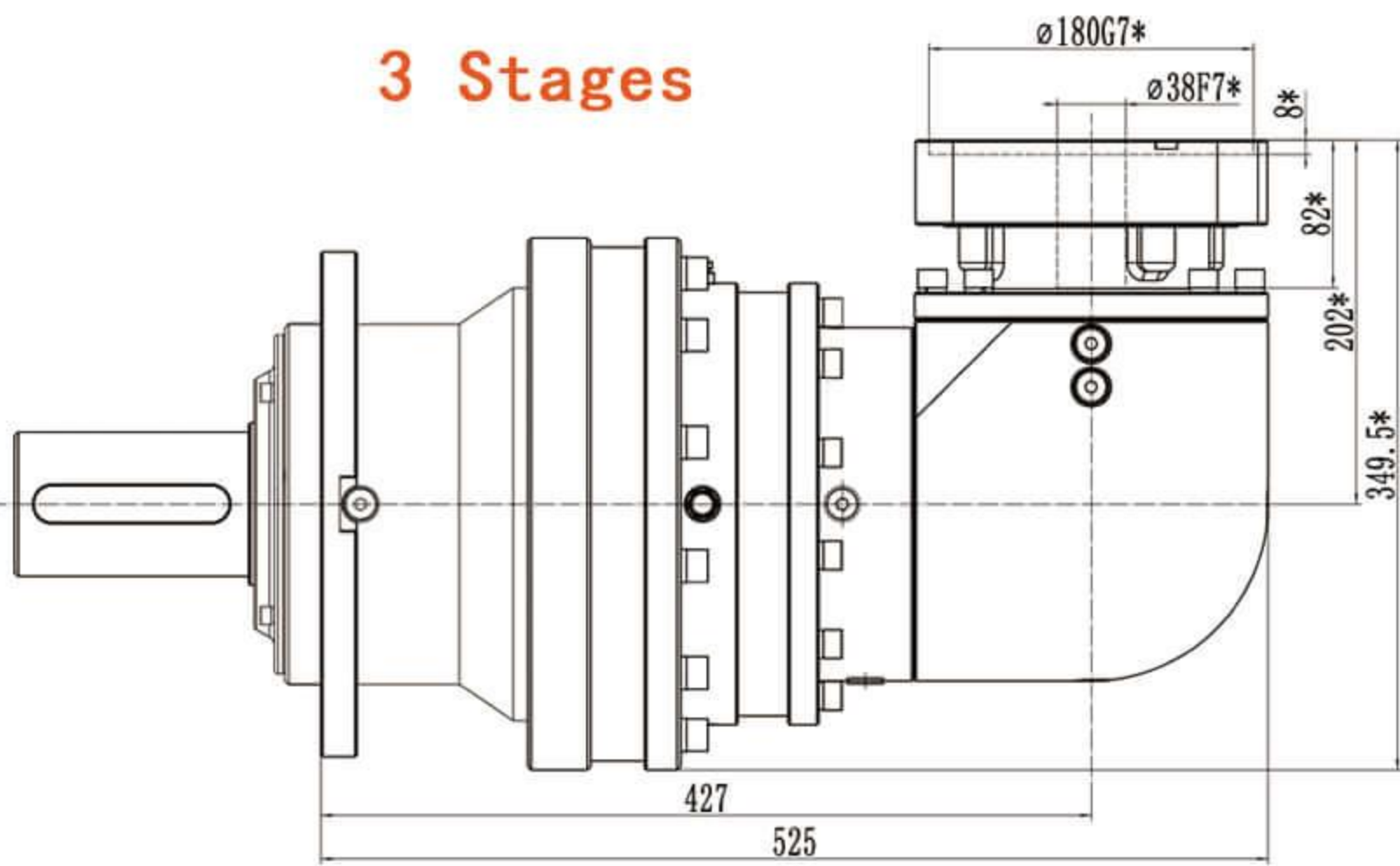
Outline dimension drawing of reducer/

2 Stages

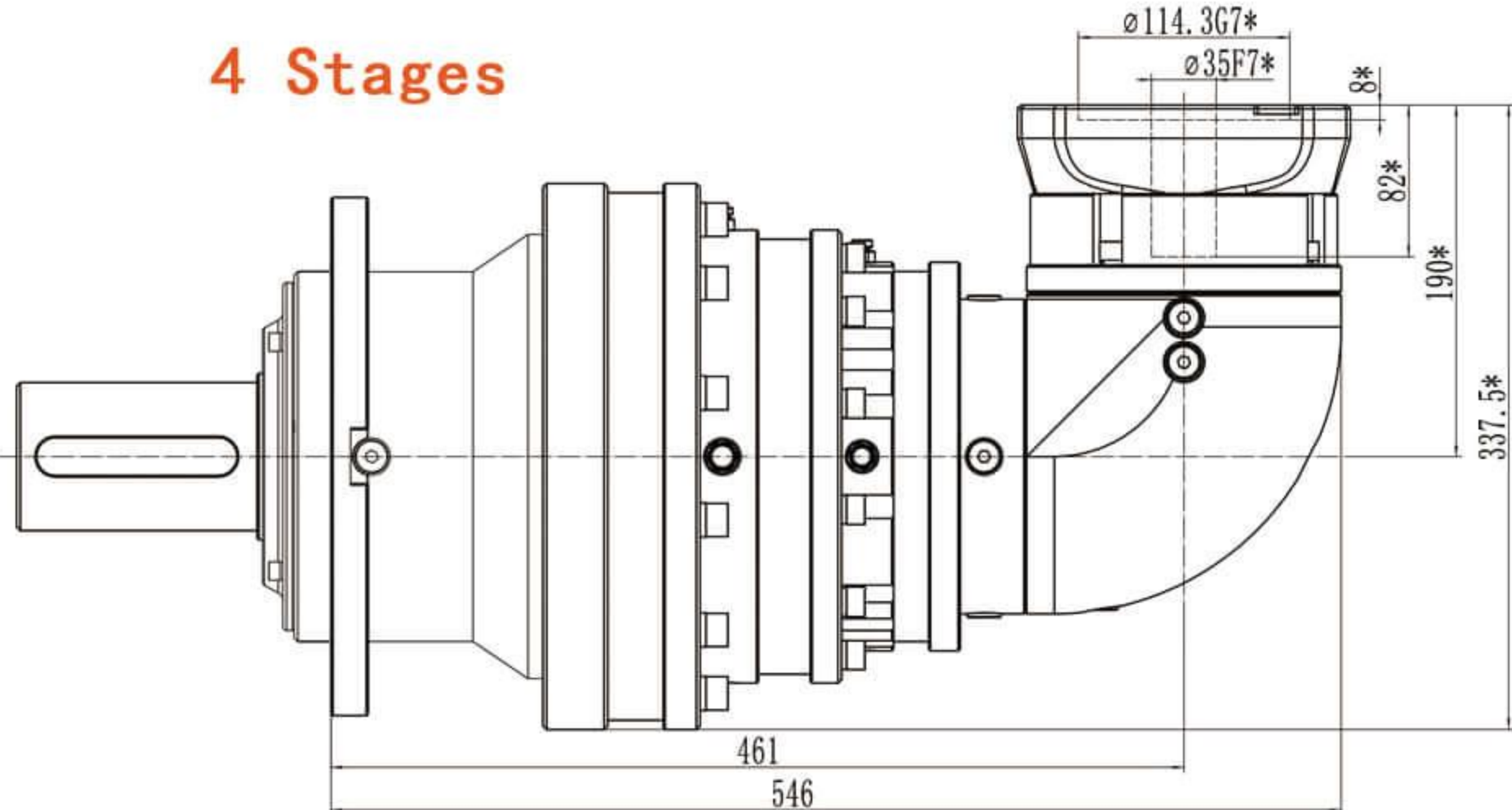


* The size of this class depends on the size of the motor
Vent cap、The oil mirror、Drain plug the position varies with the use and installation of the reducer

3 Stages



4 Stages

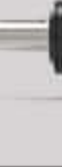


Performance parameter/

Ratio 速比		L2										L3										L4			
	i	4	5	6	7	8	10	12	14	16	20	25	28	32	40	48	50	56	64	80	100	128	160	200	
Nominal output torque 额定承载扭矩	Nm	5117	3687	3034	2782	5117	3687	3034	2782	2238	8270	5500	7860	8270	8270	8270	5500	7860	6290	5500	8269	8270	8270	8270	
Maximum output torque 最大承载扭矩	Nm	10234	7374	6068	5564	10234	7374	6068	5564	4476	16540	11000	15720	16540	16540	16540	11000	15720	12580	11000	16538	16540	16540	16540	
Maximum radial load 容许最大径向负载	N	78000																							
Maximum axial load 容许最大轴向负载	N	34000																							
Nominal input speed 额定输入转速	rpm	1500										1500										1500			
Maximum input speed 最大输入转速	rpm	2000										3000										3000			
Backlash 回程间隙	P2	12										14										16			
Noise 噪音	dB (A)	75										72										70			
Efficiency 效率	%	94%										91%										88%			
Rated thermal power 额定热功率	KW	18										12										8			
Use of temperature 使用环境温度	℃	-15℃~40℃																							
Service life 使用寿命	h	≥20000																							
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																							
Reference weight 参考重量	KG	130										135										140			

Size, speed ratio and performance are recommended and customized.



	HS
	HSR
	HM
	HN
	HD
	HDR

Ratio 速比		L2					L3										L4							
	i	8	10	12	14	16	20	25	28	32	40	48	50	56	64	80	100	128	160	200	240	280	320	384
Nominal output torque 额定承载扭矩	Nm	9028	6694	5554	5271	4335	13600	9000	11120	13600	13600	12130	9000	11120	8950	9000	13599	13600	13600	13600	13600	13600	13600	12130
Maximum output torque 最大承载扭矩	Nm	18056	13388	11108	10542	8670	27200	18000	22240	27200	27200	24260	18000	22240	17900	18000	27198	27200	27200	27200	27200	27200	27200	24260
Maximum radial load 容许最大径向负载	N	100000																						
Maximum axial load 容许最大轴向负载	N	41000																						
Nominal input speed 额定输入转速	rpm	1500					1500										1500							
Maximum input speed 最大输入转速	rpm	2000					2000										2000							
Backlash 回程间隙	P2	14					16										18							
Noise 噪音	dB (A)	78					75										72							
Efficiency 效率	%	94%					91%										88%							
Rated thermal power 额定热功率	KW	23					15										10							
Use of temperature 使用环境温度	℃	-15℃~40℃																						
Service life 使用寿命	h	≥20000																						
Lubrication 润滑		Grease or Lubricating oil 润滑脂或润滑油																						
Reference weight 参考重量	KG	186					207										220							

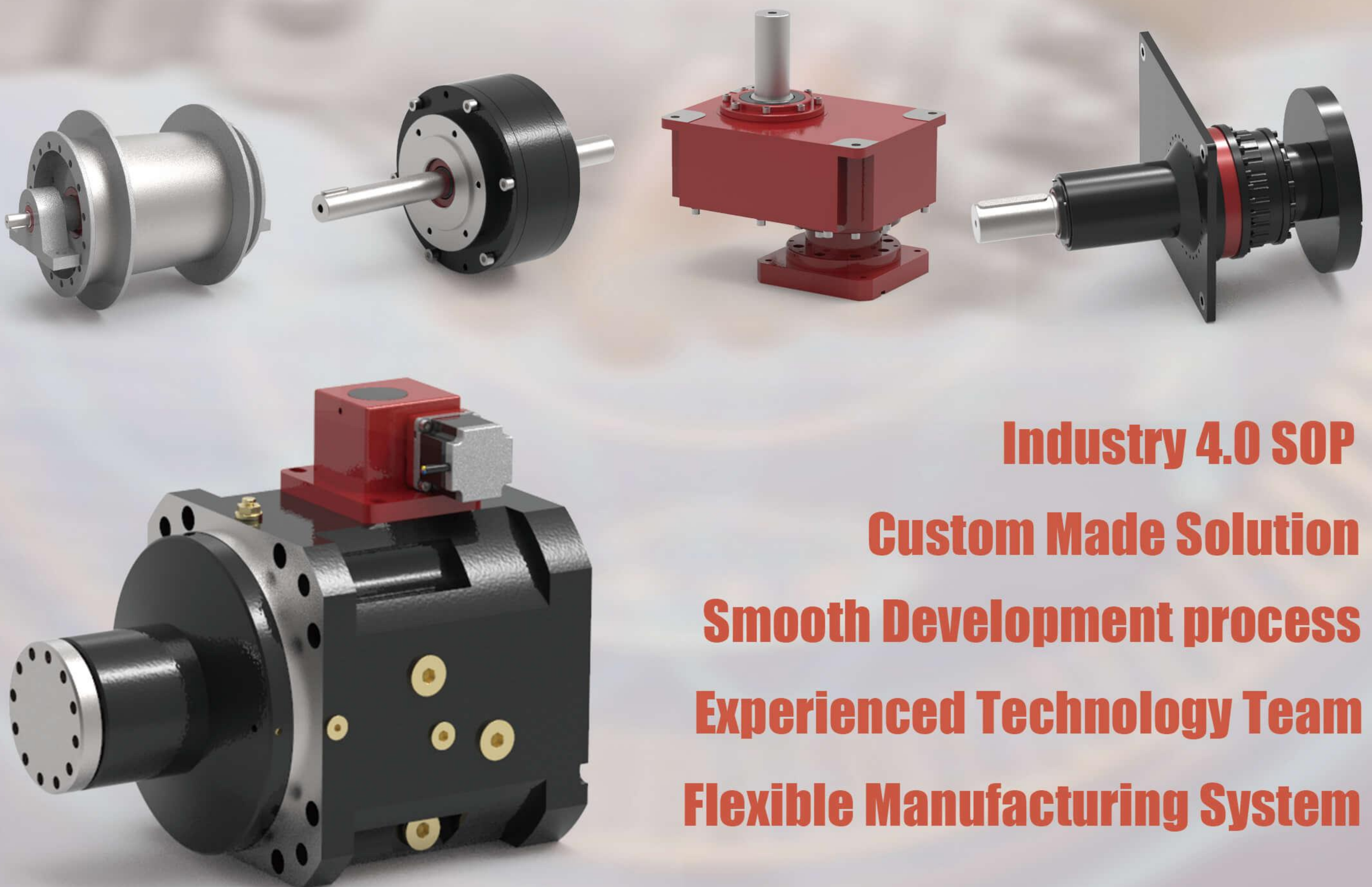
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