

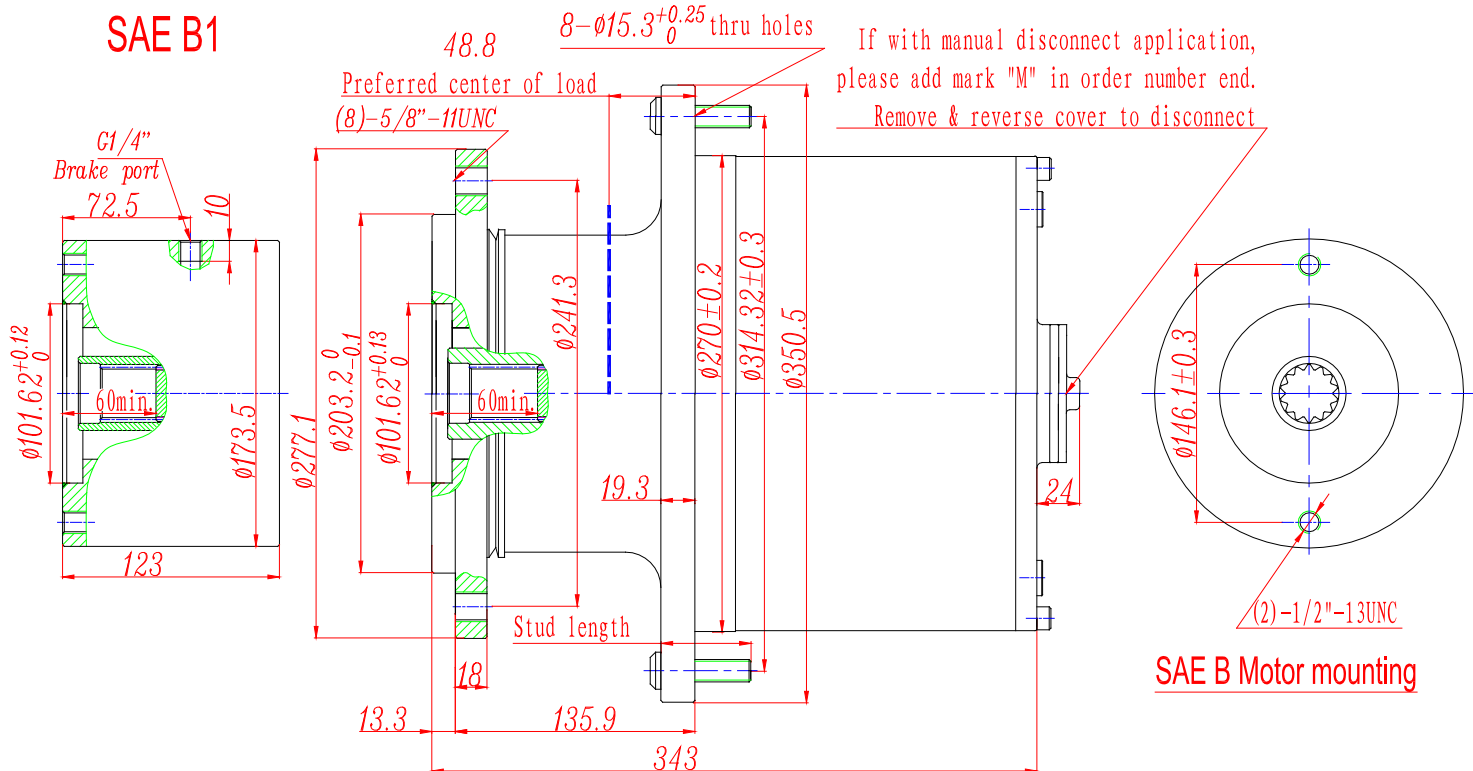
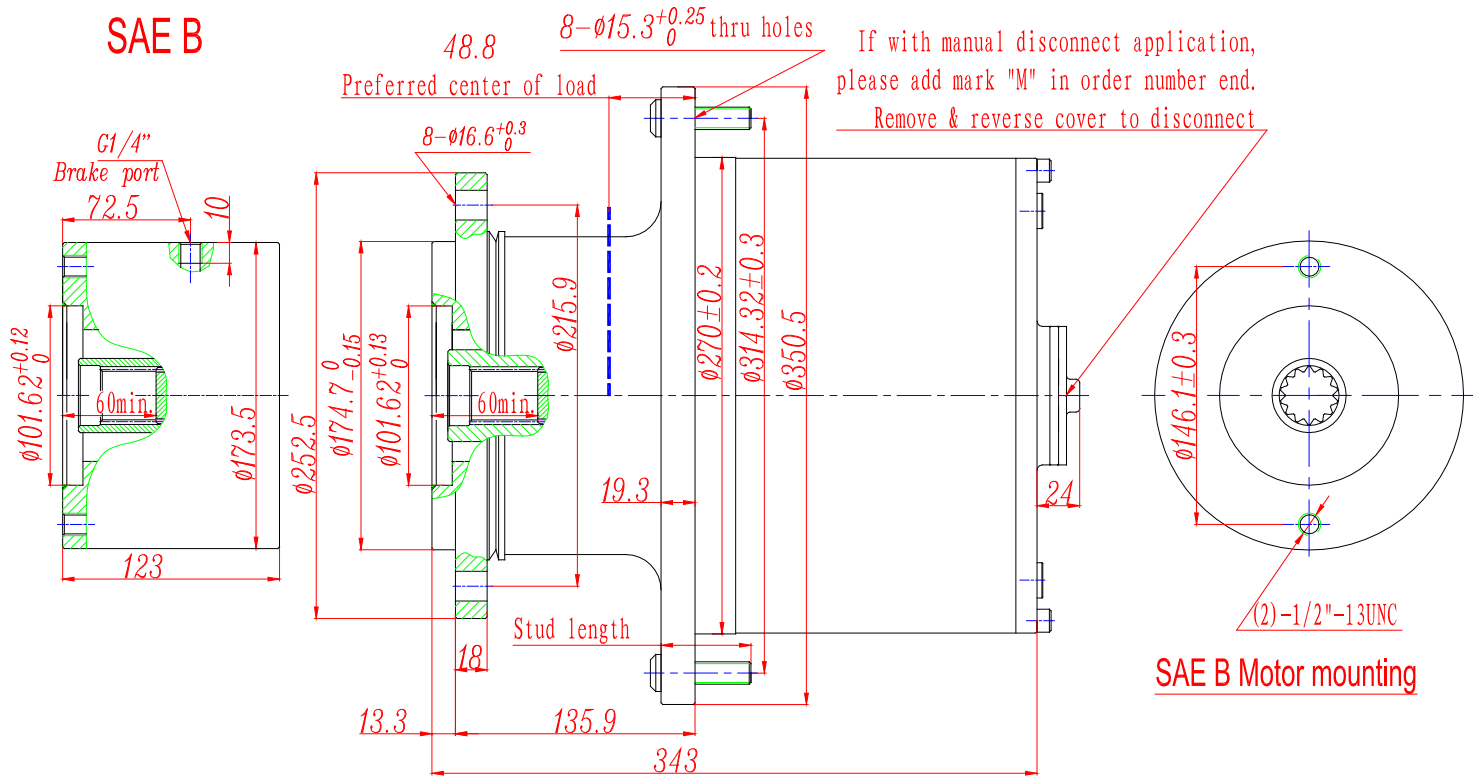
Model 8 Series, Wheel drives----technical specification (Long flange distance version)

output torque (N.m)		Ratio (i)		Recommend Hydraulic Motor pilot/hubs and input spline	Max. input speed (rpm)	Brake torque (N.m)	Brake work pressure (bar)
normal	Max. Intermittent						
7000	14000	14.92, 17.78	Double reduction	SAE B, C motor pilot/hubs 13T - 16/32 Spline 15T - 16/32 Spline 14T - 12/24 Spline	3500	440	22-50
		20.23, 23.76				330	27-50
		29.33, 36.71				260	22-50
		42.36, 50.43				160	17-50

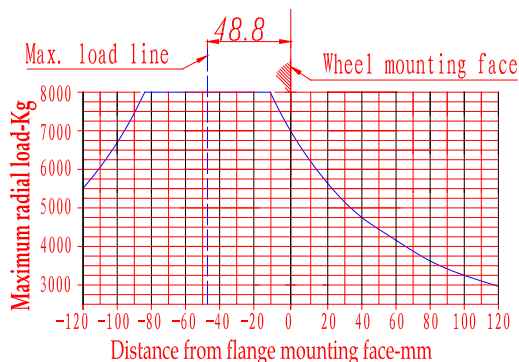
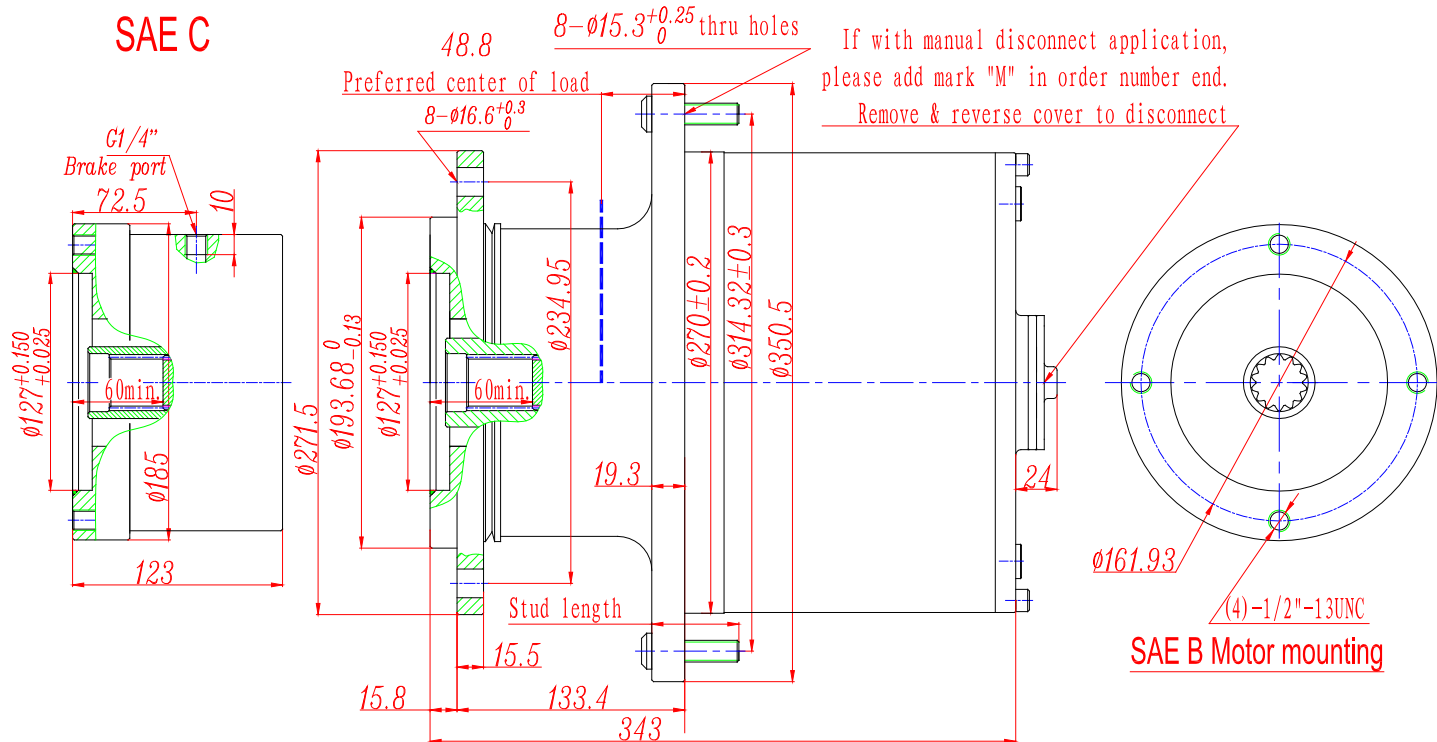
- Input rotation opposite output rotation.
- Other ratio and other input type can special design.
- If with manual disconnect application, please add mark "M" in order number end.

FEATURE CHART: MODEL 8 SERIES, WHEEL DRIVES REDUCTION - STYLE W (Long flange distance version)									
OPTIONS	DESCRIPTION	ORDER NUMBER	USE OPTION ORDER CODES TO BUILD ORDER NUMBER						
MODEL SERIES	MODEL 8	8W	8W						
MOTOR PILOT/HUBS	SAE B	B		B					
	SAE B1	B1							
	SAE C	C							
MOTOR INPUT SPLINE	13T - 16/32	13			13				
	15T - 16/32	15							
	14T - 12/24	14							
RATIO OPTIONS	14.92, 17.78	14, 17							
	20.23, 23.76	20, 23							
	29.33, 36.71	29, 36				29			
	42.36, 50.43	42, 50							
OUTPUT OPTIONS	1/2×2.50	5							
	9/16×2.75	7							
	5/8×2.37	8					8		
	3/4×3.21	11							
	NONE	0							
BRAKE	160Nm	B4D							
	260Nm	B4F							
	330Nm	B4H						B4H	
	440Nm	B4L							
	Without Brake	WO							
DISCONNECT	With disconnect	M							M
	Without disconnect	NONE							
Example of complete order code:			8W	B	13	29	8	B4H	M

Model 8 Series, Wheel drives---dimensions (Long flange distance version)



Model 8 Series, Wheel drives---dimensions (Long flange distance version)



Maximum radial load on input shaft
 (Based on: output speed $n_2=100$ rpm, Life=3000 h)

Bearing load, life and speed relationships

$$h=3000 \times (100/n_2) \times (R/R')^{10/3}$$

R=Allowable resultant load for given location from mounting flange (see curve image)

R'=Anticipated load at location from mounting flange

h=Bearing Life (hour)

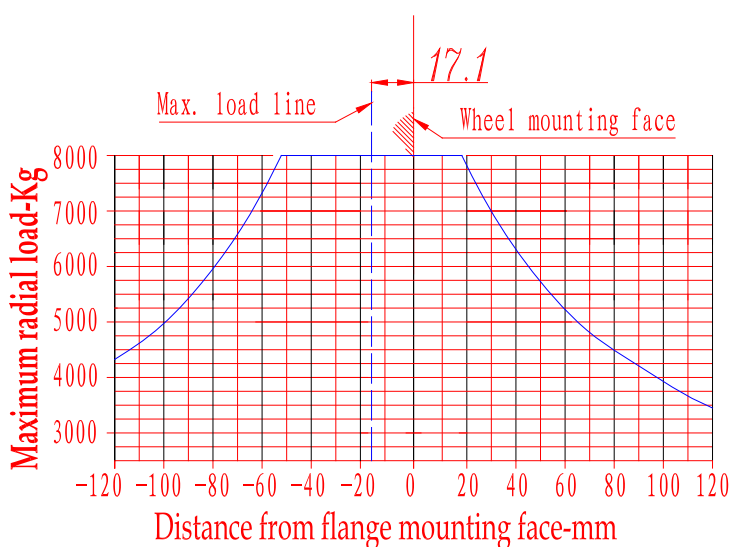
n_2 =Anticipated output speed (rpm)

Model 8 Series, Wheel drives----technical specification (Short flange distance version)

output torque (N.m)		Ratio (i)	Recommend Hydraulic Motor pilot/hubs and input spline	Max. input speed (rpm)	Brake torque (N.m)	Brake work pressure (bar)
normal	Max. Intermittent					
7000	14000	14.92, 17.78	SAE B, C motor pilot/hubs 13T - 16/32 Spline 15T - 16/32 Spline 14T - 12/24 Spline	3500	440	22-50
		20.23, 23.76			330	27-50
		29.33, 36.71			260	22-50
		42.36, 50.43			160	17-50

- Input rotation opposite output rotation.
- Other ratio and other input type can special design.
- If with manual disconnect application, please add mark "M" in order number end.

FEATURE CHART: MODEL 8 SERIES, WHEEL DRIVES REDUCTION – STYLE W (Short flange distance version)									
OPTIONS	DESCRIPTION	ORDER NUMBER	USE OPTION ORDER CODES TO BUILD ORDER NUMBER						
MODEL SERIES	MODEL 8	8W	8W						
MOTOR PILOT/HUBS	SAE B4	B4		B4					
	SAE B5	B5							
	SAE C4	C4							
	SAE C5	C5							
MOTOR INPUT SPLINE	13T – 16/32	13			13				
	15T – 16/32	15							
	14T – 12/24	14							
RATIO OPTIONS	14.92, 17.78	14, 17				29			
	20.23, 23.76	20, 23							
	29.33, 36.71	29, 36							
	42.36, 50.43	42, 50							
OUTPUT OPTIONS	1/2×2.50	5					8		
	9/16×2.75	7							
	5/8×2.37	8							
	3/4×3.21	11							
	NONE	0							
BRAKE	160Nm	B4D							
	260Nm	B4F							
	330Nm	B4H						B4H	
	440Nm	B4L							
	Without Brake	WO							
DISCONNECT	With disconnect	M							M
	Without disconnect	NONE							
Example of complete order code:			8W	B4	13	29	8	B4H	M



Bearing load, life and speed relationships

$$h = 3000 \times (100/n_2) \times (R/R')^{(10/3)}$$

R=Allowable resultant load for given location from mounting flange (see curve image)
 R'=Anticipated load at location from mounting flange
 h=Bearing Life (hour)
 n₂=Anticipated output speed (rpm)

Maximum radial load on input shaft
 (Based on: output speed n₂=100 rpm, Life=3000 h)

Model 8 Series, Wheel drives---dimensions (Short flange distance version)

