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## PRODUCT FEATURES

**High Power Density:** The XT series, through innovative coil arrangement technology, has significantly increased the slot fill rate, allowing the motor to achieve industry-leading levels of torque density.

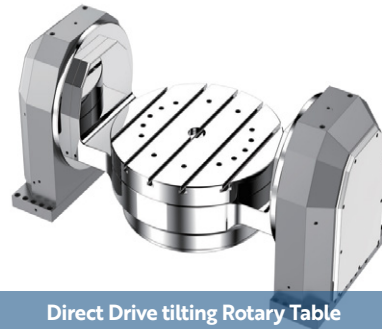
**Robust Craftsmanship:** Utilizing advanced vacuum epoxy pouring techniques, complemented by a unique cooling structure design. This combination not only significantly enhances the motor's heat dissipation capabilities and insulation level but also greatly strengthens the structural stability of the motor, ensuring reliability during long periods of high-load operation.

**Compact Design:** The motor features a compact structure with a frameless design that facilitates integration within the A-axis, B-axis, C-axis, adapts to various space-constrained, high-torque demanding application scenarios, and simplifies installation and maintenance.

**Standardization & serialization:** This series of motors covers a stator outer diameter range from 210mm to 1220mm, with torque ranging from 60 Nm to 50,000 Nm. It is widely applicable to high-performance requirements in the machine tool industry, such as five-axis machine tools, direct-drive cradle rotary tables, and direct-drive swing heads, providing robust power support for modern industrial manufacturing.



## APPLICATION



## SERVO MOTOR CODE

**XT - 0360 - 070 - 000C**

Extreme  
Torque  
Concentrated  
Winding

Motor stator outer  
diameter (mm)  
from 210 to 1220

Stator lamination stack  
30, 50, 70, 100, 150, 200

Torque Motor Constant [Nm/Amp]  
Motor Mechanical Version

Order Code Example:

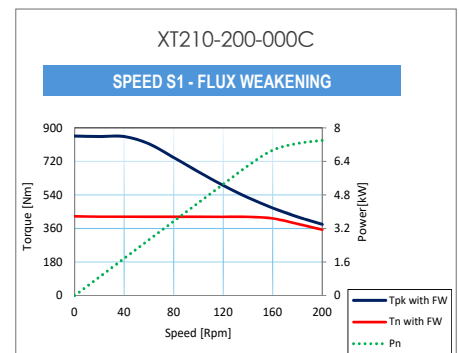
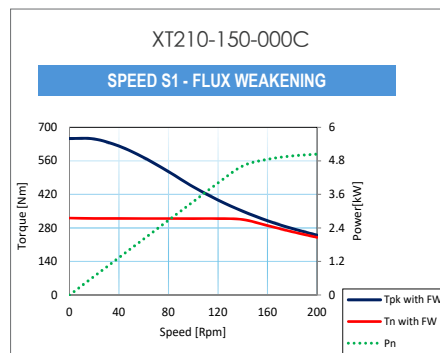
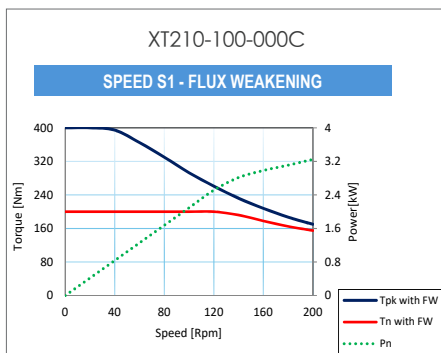
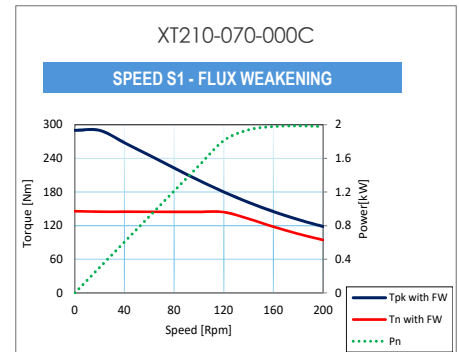
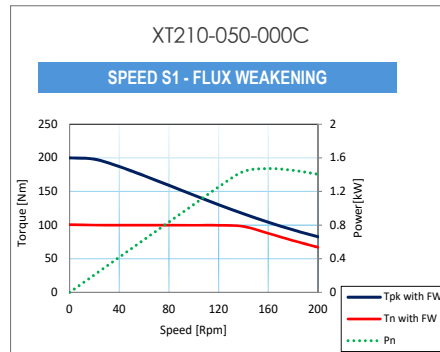
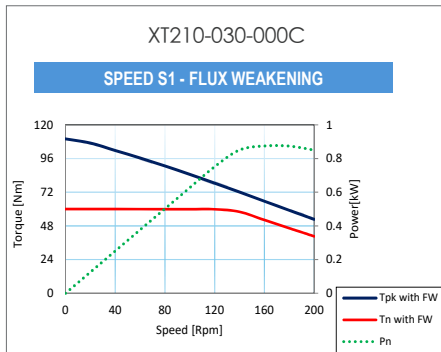
**XT0360-070-000C**

The outer diameter of the stator is 360mm, and the stacking thickness is 70mm

# XT210

## Performance parameters

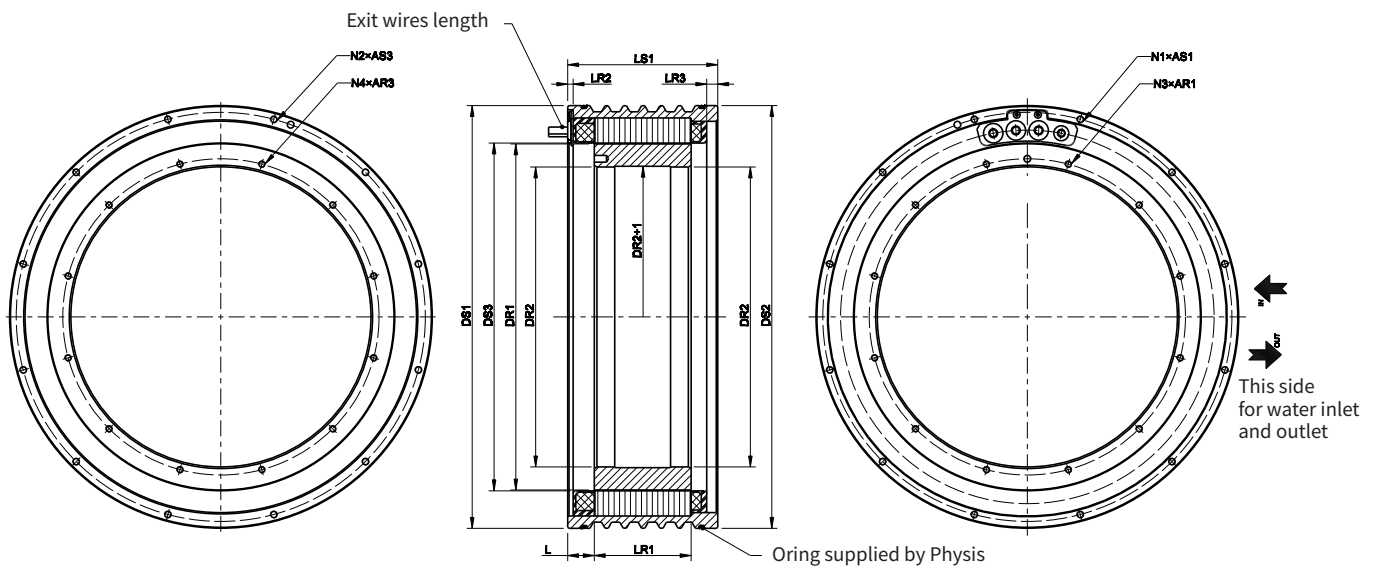
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT210-030-000C	100	200	3.5	60	0.6	6.5	110
XT210-050-000C	100	200	5.1	100	1.0	10.2	200
XT210-070-000C	100	200	7.0	145	1.5	14.2	290
XT210-100-000C	100	200	10.2	200	2.1	21.0	400
XT210-150-000C	100	200	14.0	320	3.4	29.0	640
XT210-200-000C	100	200	20.5	420	4.4	43.0	850



# XT210

## Dimensional parameters

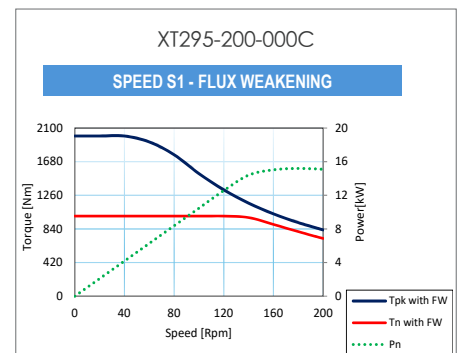
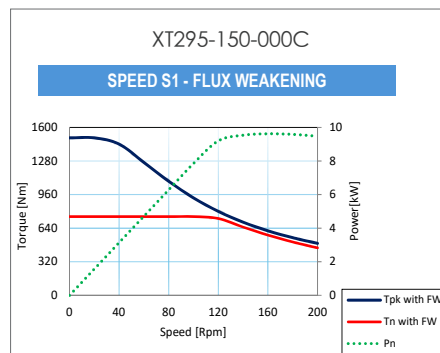
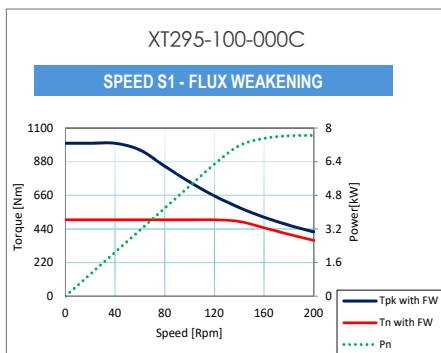
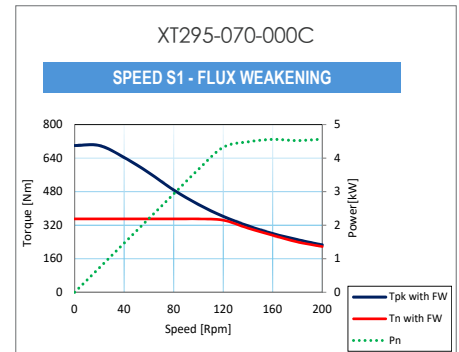
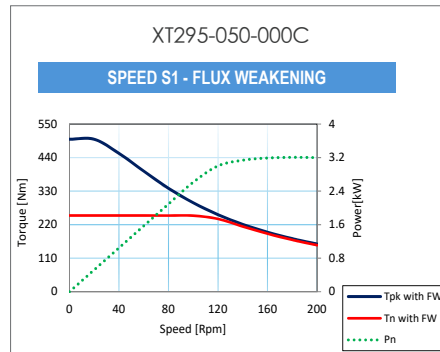
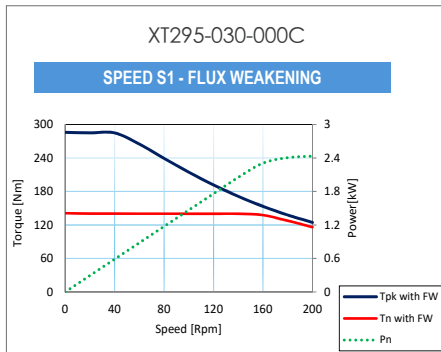
Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT210-030-000C	230.0	230.0	175.0	173.8	140.0	70.0	30.0	19.5	12*M5	12*M5	12*M5	12*M5
XT210-050-000C	230.0	230.0	175.0	173.8	140.0	90.0	50.0	19.5	12*M5	12*M5	12*M5	12*M5
XT210-070-000C	230.0	230.0	175.0	173.8	140.0	110.0	70.0	19.5	12*M5	12*M5	12*M5	12*M5
XT210-100-000C	230.0	230.0	175.0	173.8	140.0	140.0	100.0	19.5	23*M5	23*M5	24*M5	24*M5
XT210-150-000C	230.0	230.0	175.0	173.8	140.0	190.0	150.0	19.5	23*M5	23*M5	24*M5	24*M5
XT210-200-000C	230.0	230.0	175.0	173.8	140.0	240.0	200.0	19.5	23*M5	23*M5	24*M5	24*M5



# XT295

## Performance parameters

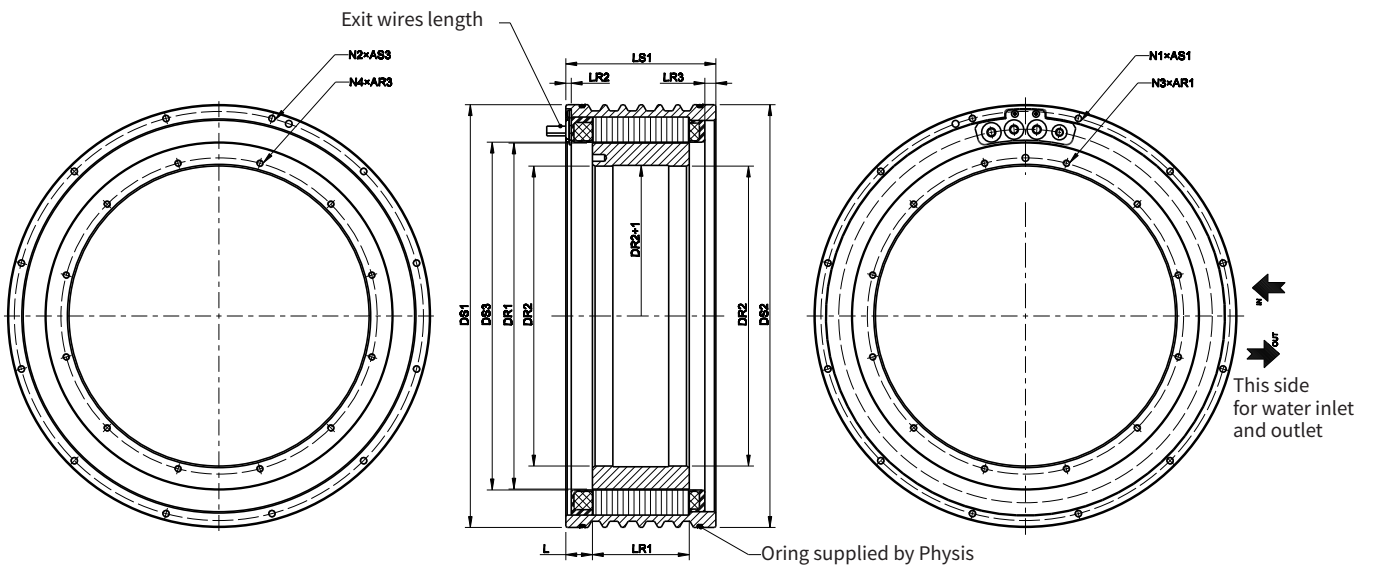
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT295-030-000C	100	200	6.5	140	1.5	13.0	280
XT295-050-000C	100	200	9.2	250	2.6	21.0	500
XT295-070-000C	100	200	11.7	350	3.7	27.0	700
XT295-100-000C	100	200	18.3	500	5.2	42.0	1000
XT295-150-000C	100	200	23.0	750	7.9	52.3	1500
XT295-200-000C	100	200	34.6	1000	10.5	78.5	2000



# XT295

## Dimensional parameters

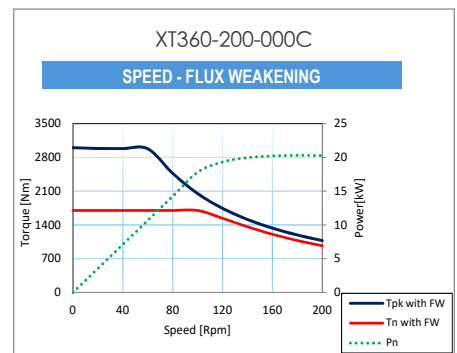
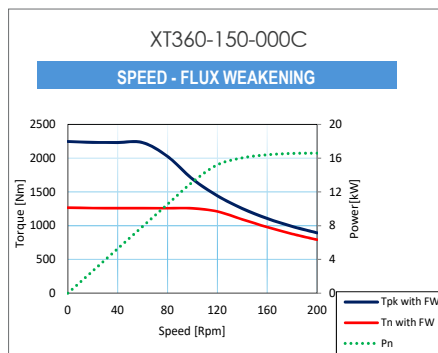
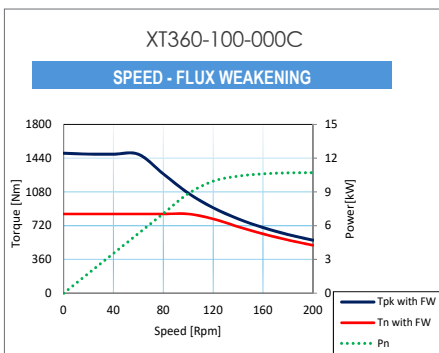
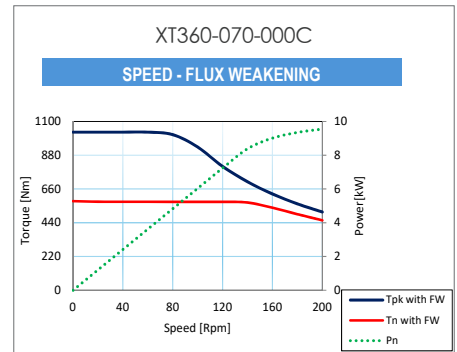
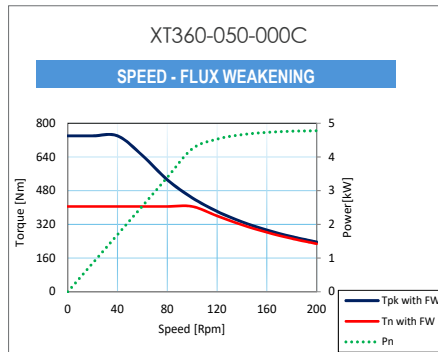
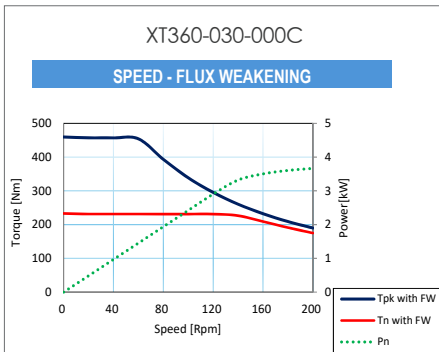
Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT295-030-000C	310.0	310.0	255.0	253.8	220.0	70.0	30.0	19.5	12*M5	12*M5	12*M5	12*M5
XT295-050-000C	310.0	310.0	255.0	253.8	220.0	90.0	50.0	19.5	12*M5	12*M5	12*M5	12*M5
XT295-070-000C	310.0	310.0	255.0	253.8	220.0	110.0	70.0	19.5	12*M5	12*M5	12*M5	12*M5
XT295-100-000C	310.0	310.0	255.0	253.8	220.0	140.0	100.0	19.5	23*M5	23*M5	24*M5	24*M5
XT295-150-000C	310.0	310.0	255.0	253.8	220.0	190.0	150.0	19.5	23*M5	23*M5	24*M5	24*M5
XT295-200-000C	310.0	310.0	255.0	253.8	220.0	240.0	200.0	19.5	23*M5	23*M5	24*M5	24*M5



# XT360

## Performance parameters

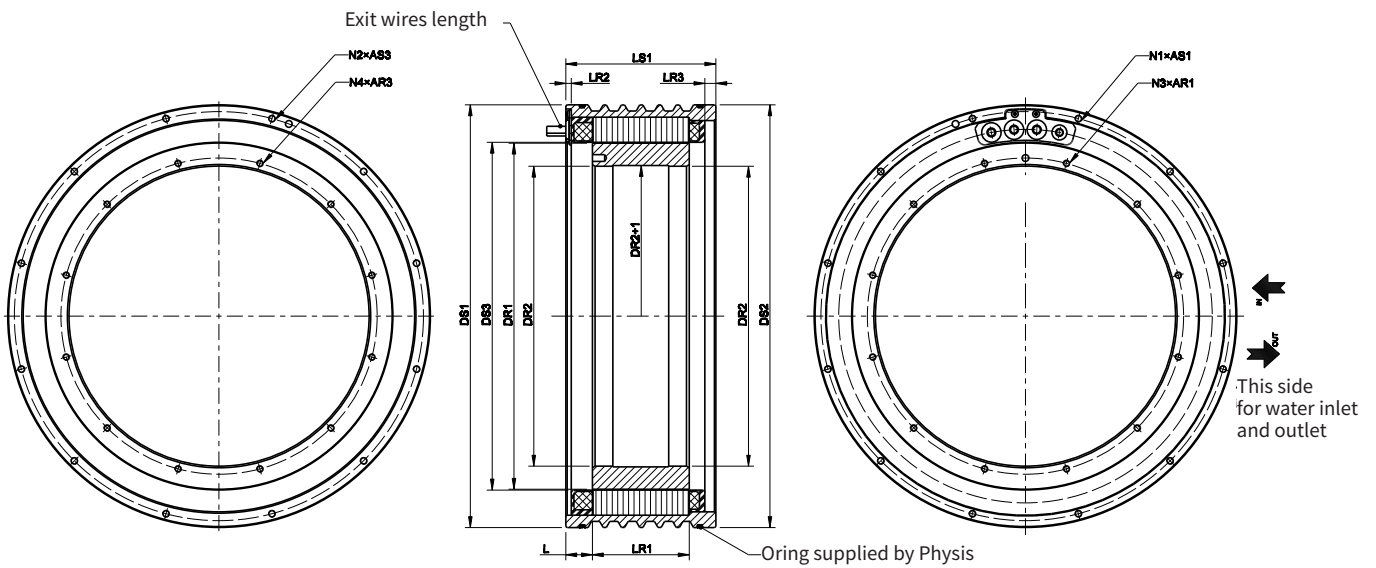
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT360-030-000C	100	200	9.5	230	2.4	20	450
XT360-050-000C	100	200	12	405	4.2	23.5	740
XT360-070-000C	100	200	20.5	575	6.0	39	1030
XT360-100-000C	100	200	25.3	845	8.9	47	1470
XT360-150-000C	100	200	38.5	1270	13.3	71	2210
XT360-200-000C	100	200	46.5	1700	17.8	88	2950



# XT360

## Dimensional parameters

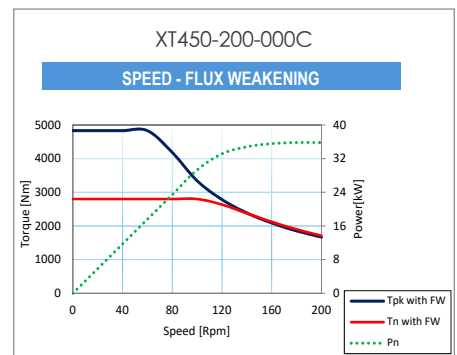
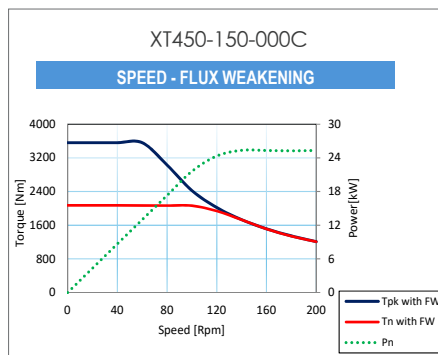
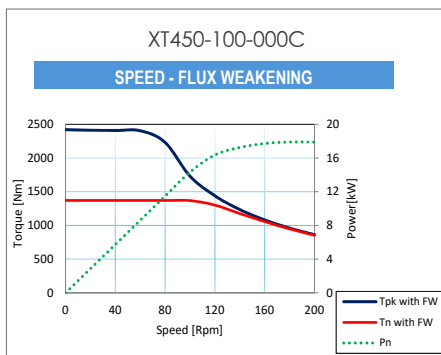
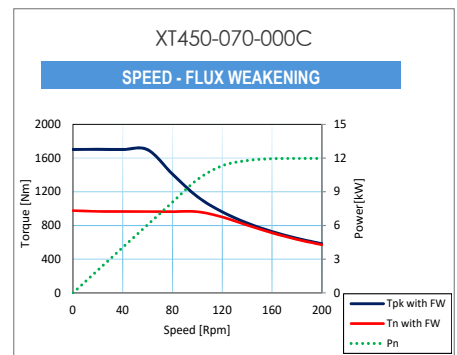
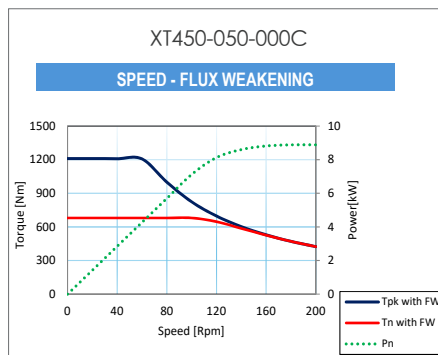
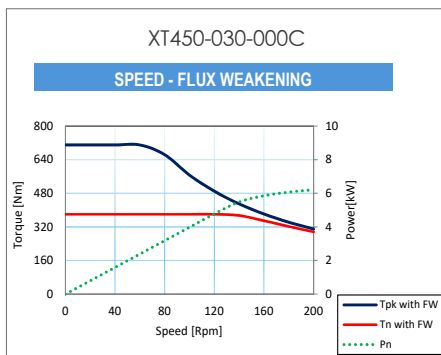
Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT360-030-000C	385.0	385.0	313.0	311.0	265.0	80.0	30.0	29.5	12*M6	12*M6	12*M6	12*M6
XT360-050-000C	385.0	385.0	313.0	311.0	265.0	100.0	50.0	29.5	12*M6	12*M6	12*M6	12*M6
XT360-070-000C	385.0	385.0	313.0	311.0	265.0	120.0	70.0	29.5	12*M6	12*M6	12*M6	12*M6
XT360-100-000C	385.0	385.0	313.0	311.0	265.0	150.0	100.0	29.5	23*M6	24*M6	23*M6	24*M6
XT360-150-000C	385.0	385.0	313.0	311.0	265.0	200.0	150.0	29.5	23*M6	24*M6	23*M6	24*M6
XT360-200-000C	385.0	385.0	313.0	311.0	265.0	250.0	200.0	29.5	23*M6	24*M6	23*M6	24*M6



# XT450

## Performance parameters

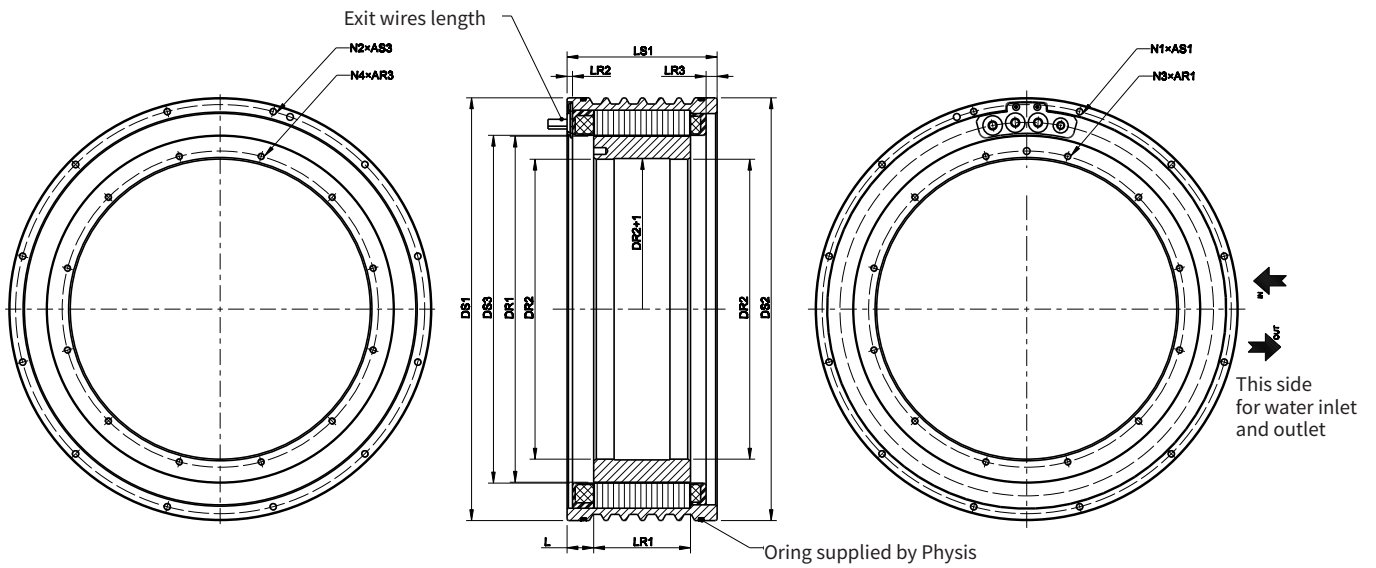
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT450-030-000C	100	200	15.6	380	4.0	35	710
XT450-050-000C	100	200	25	680	7.1	56	1210
XT450-070-000C	100	200	32	960	10.1	72	1690
XT450-100-000C	100	200	50	1370	14.4	110	2420
XT450-150-000C	100	200	63	2050	21.5	140	3560
XT450-200-000C	100	200	94	2800	29.3	205	4830



# XT450

## Dimensional parameters

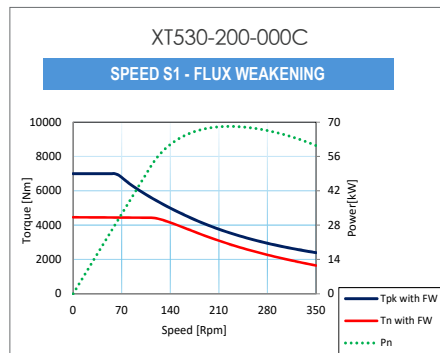
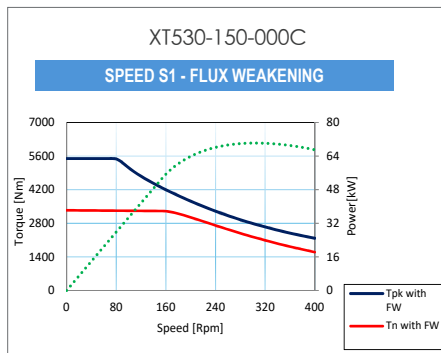
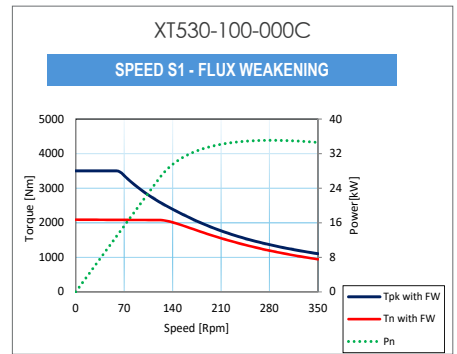
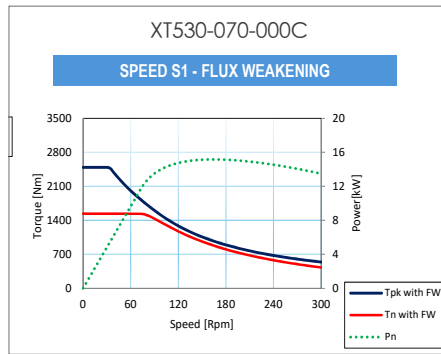
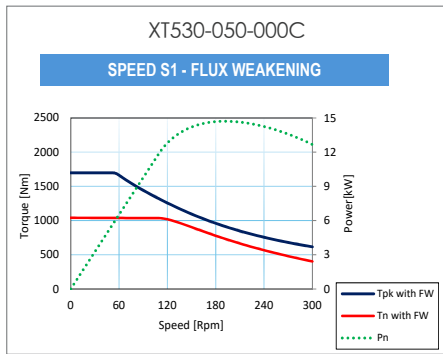
Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT450-030-000C	485.0	485.0	383.0	382.2	345.0	90.0	30.0	37.5	12*M8	12*M8	12*M8	12*M8
XT450-050-000C	485.0	485.0	383.0	382.2	345.0	110.0	50.0	37.5	12*M8	12*M8	12*M8	12*M8
XT450-070-000C	485.0	485.0	383.0	382.2	345.0	130.0	70.0	37.5	12*M8	12*M8	12*M8	12*M8
XT450-100-000C	485.0	485.0	383.0	382.2	345.0	160.0	100.0	37.5	23*M8	24*M8	23*M8	24*M8
XT450-150-000C	485.0	485.0	383.0	382.2	345.0	210.0	150.0	37.5	23*M8	24*M8	23*M8	24*M8
XT450-200-000C	485.0	485.0	383.0	382.2	345.0	260.0	200.0	37.5	23*M8	24*M8	23*M8	24*M8



# XT530

## Performance parameters

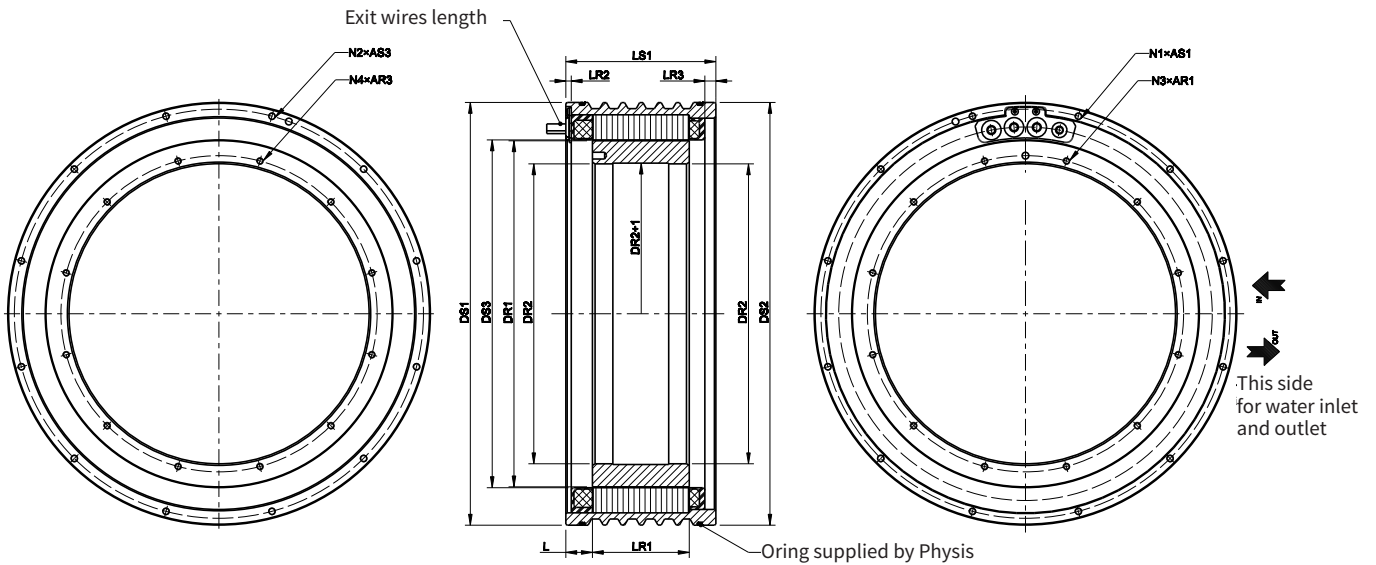
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT530-050-000C	110	300	26.1	1041	12.0	64.0	1700
XT530-070-000C	75	300	55.0	1538	12.1	124.0	2500
XT530-100-000C	120	350	56.4	2089	26.2	137.0	3500
XT530-150-000C	150	400	57.3	3342	52.5	154.0	5500
XT530-200-000C	110	350	114.8	4459	51.4	278.0	7000



# XT530

## Dimensional parameters

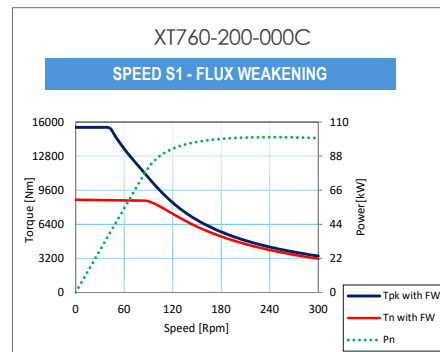
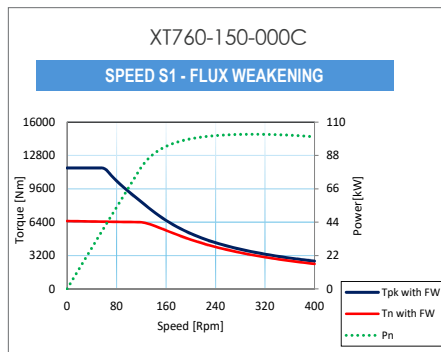
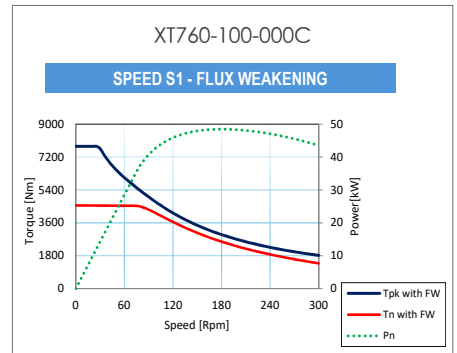
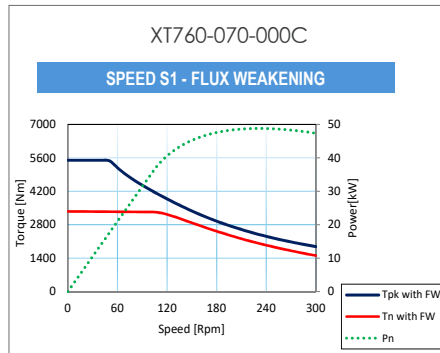
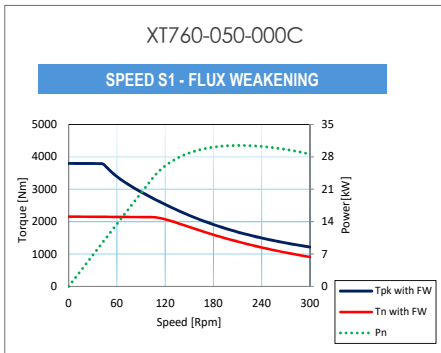
Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT530-050-000C	565.0	565.0	460.0	457.6	420.0	110.0	50.0	29.5	12*M8	12*M8	12*M8	12*M8
XT530-070-000C	565.0	565.0	460.0	457.6	420.0	130.0	70.0	29.5	12*M8	12*M8	12*M8	12*M8
XT530-100-000C	565.0	565.0	460.0	457.6	420.0	160.0	100.0	29.5	23*M8	23*M8	24*M8	24*M8
XT530-150-000C	565.0	565.0	460.0	457.6	420.0	210.0	150.0	29.5	23*M8	23*M8	24*M8	24*M8
XT530-200-000C	565.0	565.0	460.0	457.6	420.0	260.0	200.0	29.5	23*M8	23*M8	24*M8	24*M8



# XT760

## Performance parameters

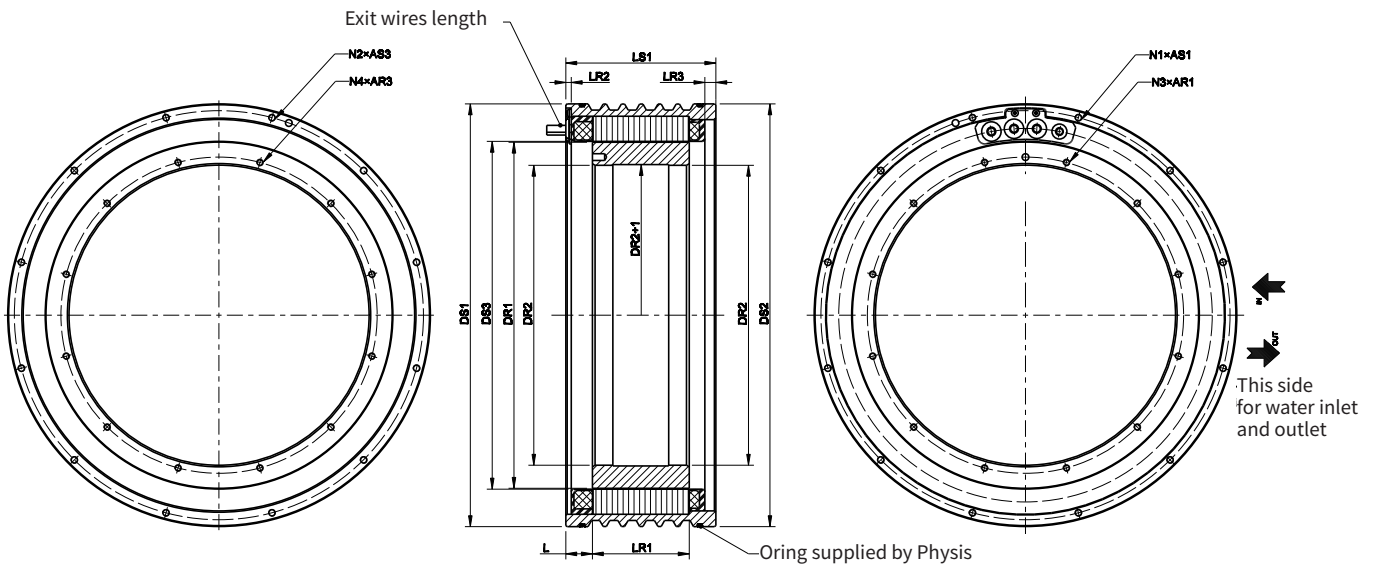
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT760-050-000C	105	300	52.1	2156	23.7	164.0	3800
XT760-070-000C	105	300	82.2	3357	36.9	226.0	5500
XT760-100-000C	75	300	84.3	4553	35.8	263.0	7800
XT760-150-000C	115	400	164.1	6507	78.4	415.0	11600
XT760-200-000C	85	300	164.8	8707	77.5	417.0	15500



# XT760

## Dimensional parameters

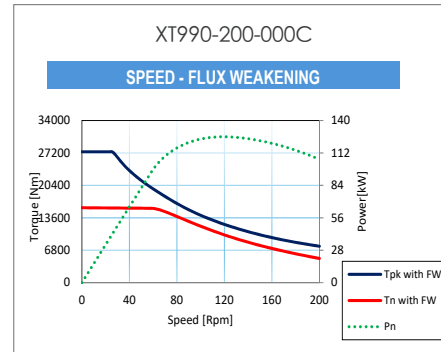
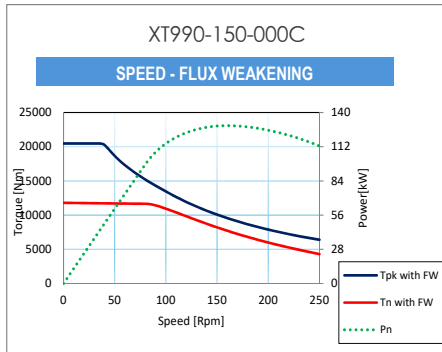
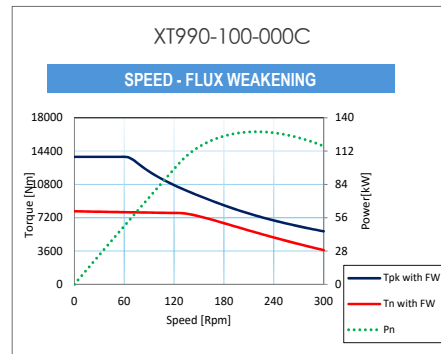
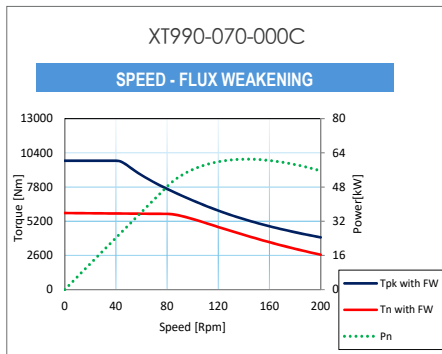
Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT760-050-000C	795.0	795.0	690.0	687.6	650.0	130.0	50.0	39.5	16*M8	16*M8	16*M8	16*M8
XT760-070-000C	795.0	795.0	690.0	687.6	650.0	150.0	70.0	39.5	16*M8	16*M8	16*M8	16*M8
XT760-100-000C	795.0	795.0	690.0	687.6	650.0	180.0	100.0	39.5	31*M8	31*M8	32*M8	32*M8
XT760-150-000C	795.0	795.0	690.0	687.6	650.0	230.0	150.0	39.5	31*M8	31*M8	32*M8	32*M8
XT760-200-000C	795.0	795.0	690.0	687.6	650.0	280.0	200.0	39.5	31*M8	31*M8	32*M8	32*M8



# XT990

Performance parameters

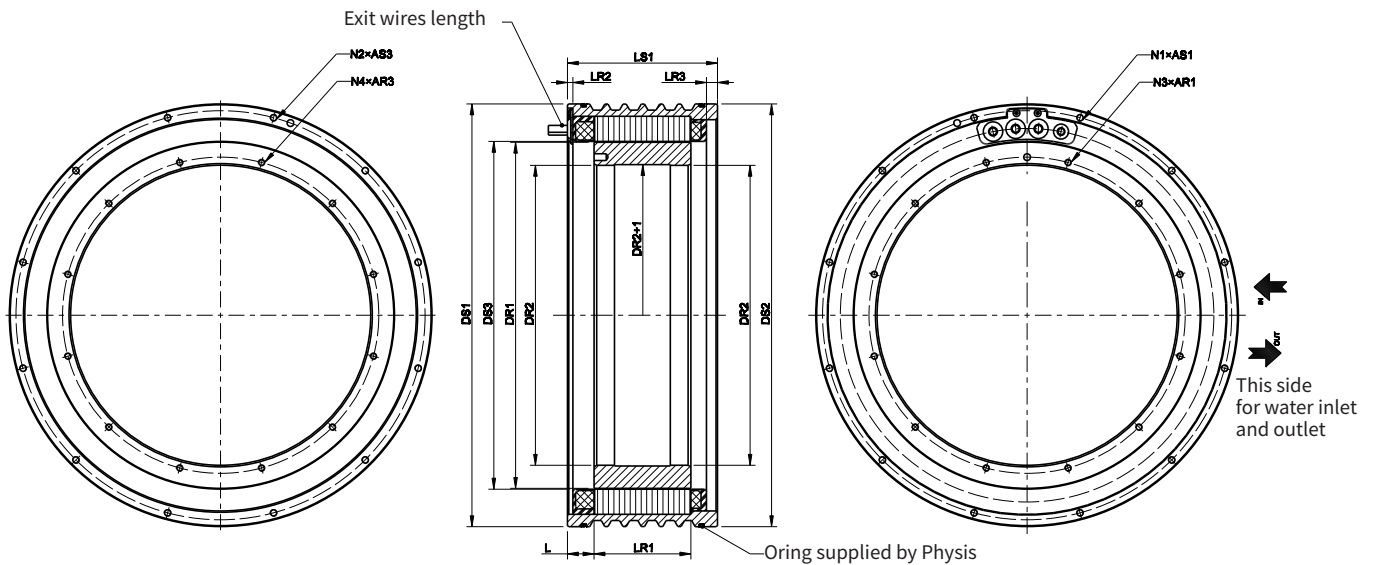
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT990-070-000C	80	200	105.3	5823	48.3	277	9800
XT990-100-000C	125	300	215.3	7894	101.5	629	13800
XT990-150-000C	80	250	218.7	11794	98.1	637	20500
XT990-200-000C	60	200	218.7	15720	95.4	646	27500



# XT990

## Dimensional parameters

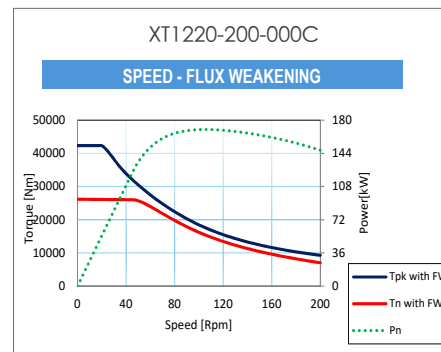
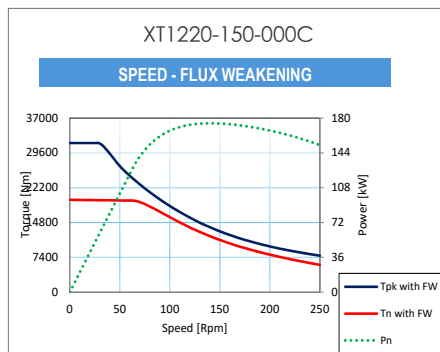
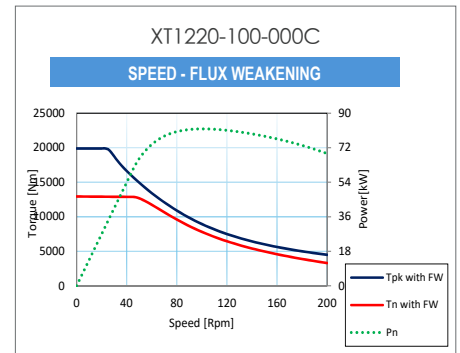
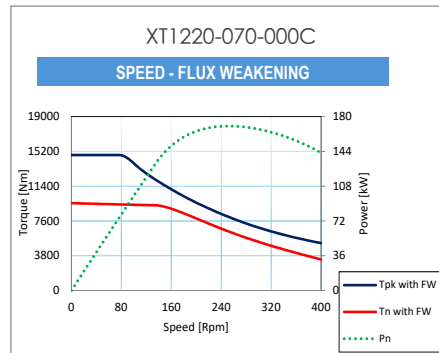
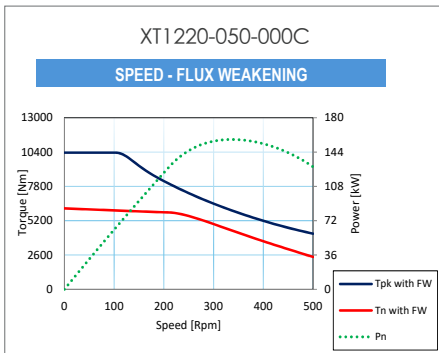
Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT990-070-000C	1030.0	1030.0	915.0	912.6	870.0	150.0	75.0	39.5	24*M10	24*M10	23*M10	23*M10
XT990-100-000C	1030.0	1030.0	915.0	912.6	870.0	180.0	100.0	39.5	24*M10	24*M10	23*M10	23*M10
XT990-150-000C	1030.0	1030.0	915.0	912.6	870.0	230.0	150.0	39.5	24*M10	24*M10	23*M10	23*M10
XT990-200-000C	1030.0	1030.0	915.0	912.6	870.0	280.0	200.0	39.5	24*M10	24*M10	23*M10	23*M10



# XT1220

## Performance parameters

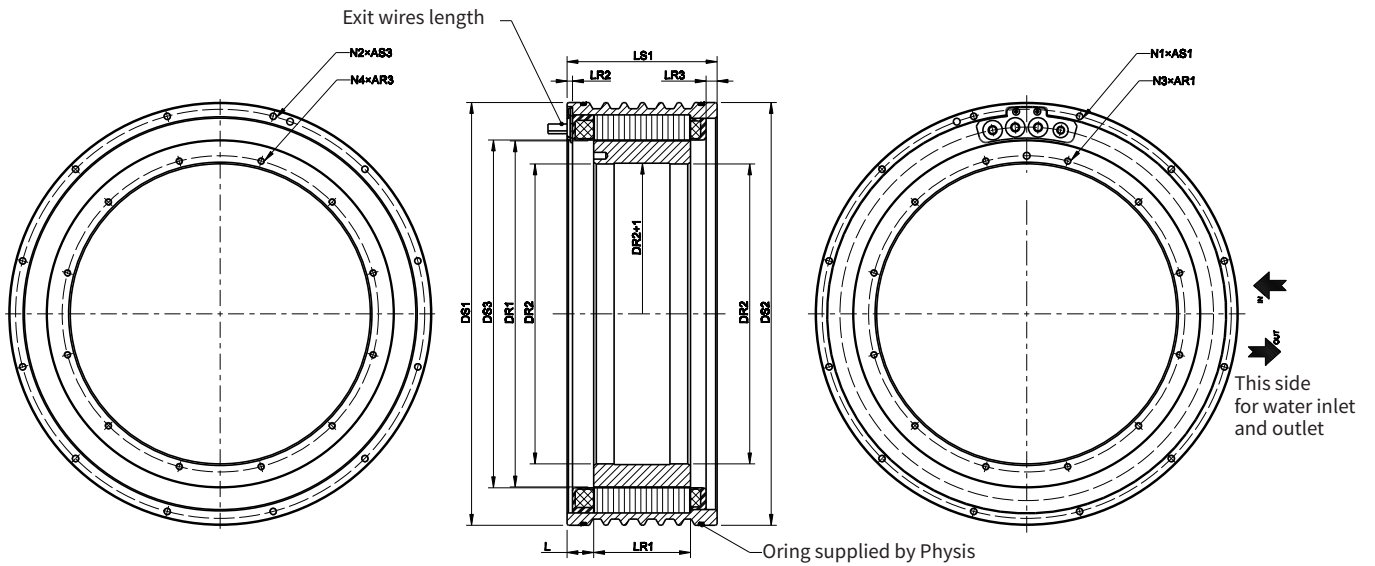
Motor Code	$w_n$	$w_{max}$	$I_n$	$T_n$	$P_n$	$I_{max}$	$T_{max}$
	[rpm]	[rpm]	[A]	[Nm]	[kW]	[A]	[Nm]
XT1220-050-000C	210	500	256.8	6130	128.8	733	10500
XT1220-070-000C	135	400	270.5	9542	131.1	629	15000
XT1220-100-000C	45	200	138.7	12937	60.9	322	20000
XT1220-150-000C	65	250	281.9	19627	128.1	793	32000
XT1220-200-000C	45	200	282	26171	124.6	790	42600



# XT1220

## Dimensional parameters

Motor Code	DS1	DS2	DS3	DR1	DR2	LS1	LR1	L	N1*AS1	N2*AS3	N3*AR1	N4*AR3
XT1220-050-000C	1290.0	1288.0	1150.0	1147.6	1070.0	110.0	50.0	39.5	46*M10	48*M10	48*M10	48*M10
XT1220-070-000C	1290.0	1288.0	1150.0	1147.6	1070.0	130.0	75.0	39.5	46*M10	48*M10	48*M10	48*M10
XT1220-100-000C	1290.0	1288.0	1150.0	1147.6	1070.0	160.0	100.0	39.5	46*M10	48*M10	48*M10	48*M10
XT1220-150-000C	1290.0	1288.0	1150.0	1147.6	1070.0	210.0	150.0	39.5	46*M10	48*M10	48*M10	48*M10
XT1220-200-000C	1290.0	1288.0	1150.0	1147.6	1070.0	260.0	200.0	39.5	46*M10	48*M10	48*M10	48*M10





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