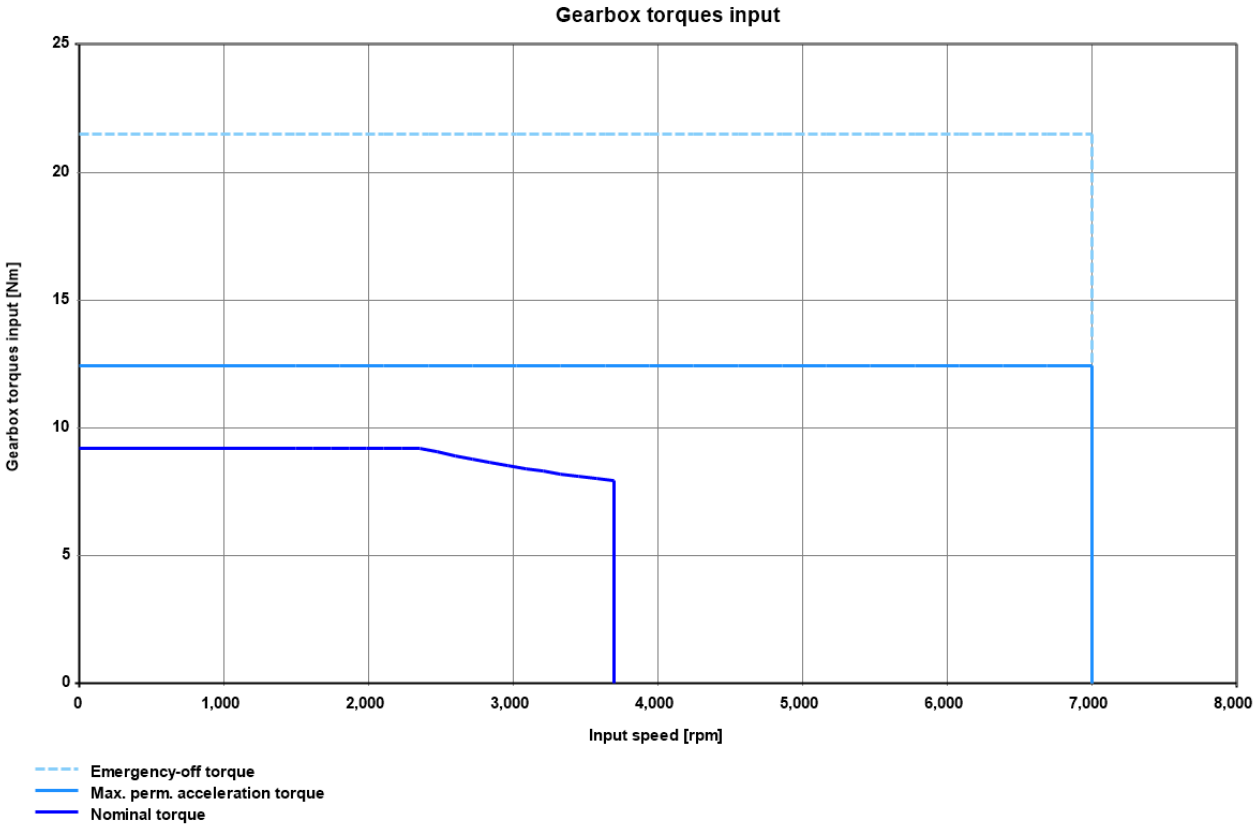
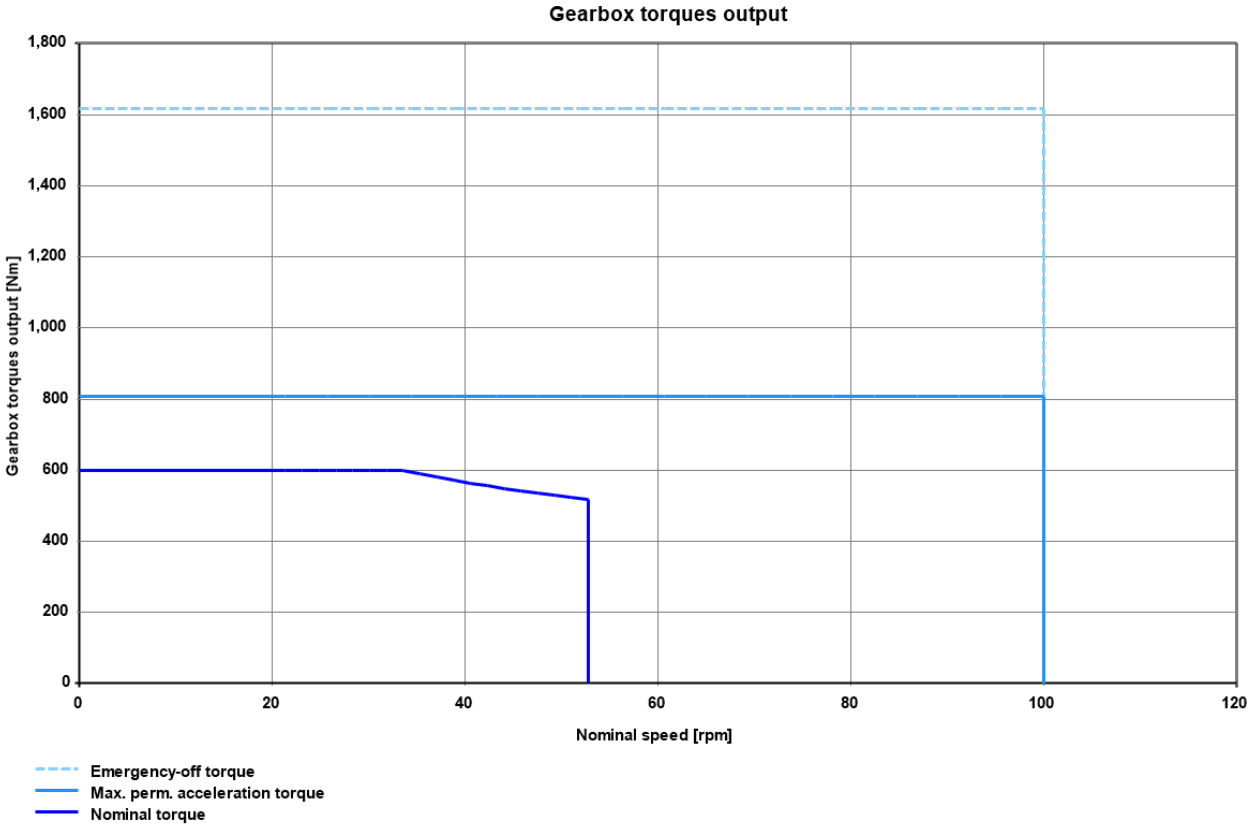
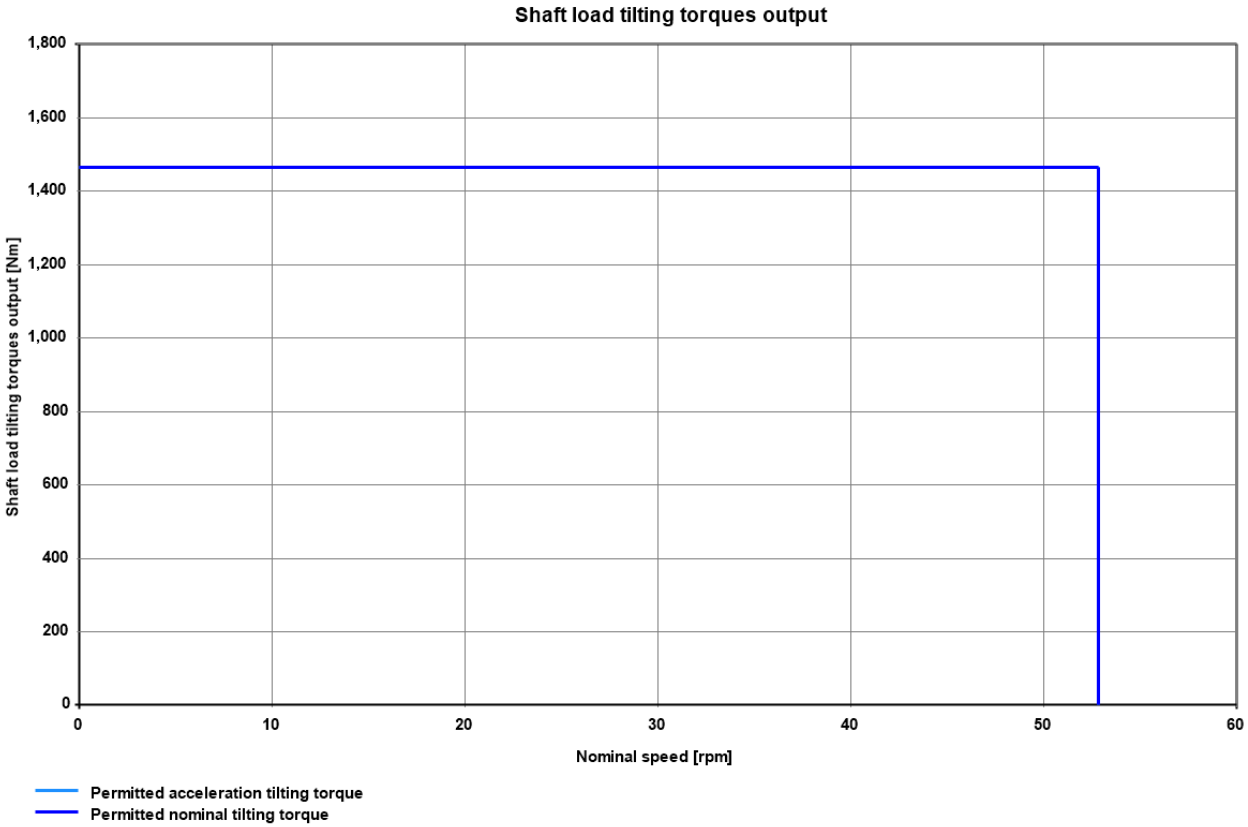
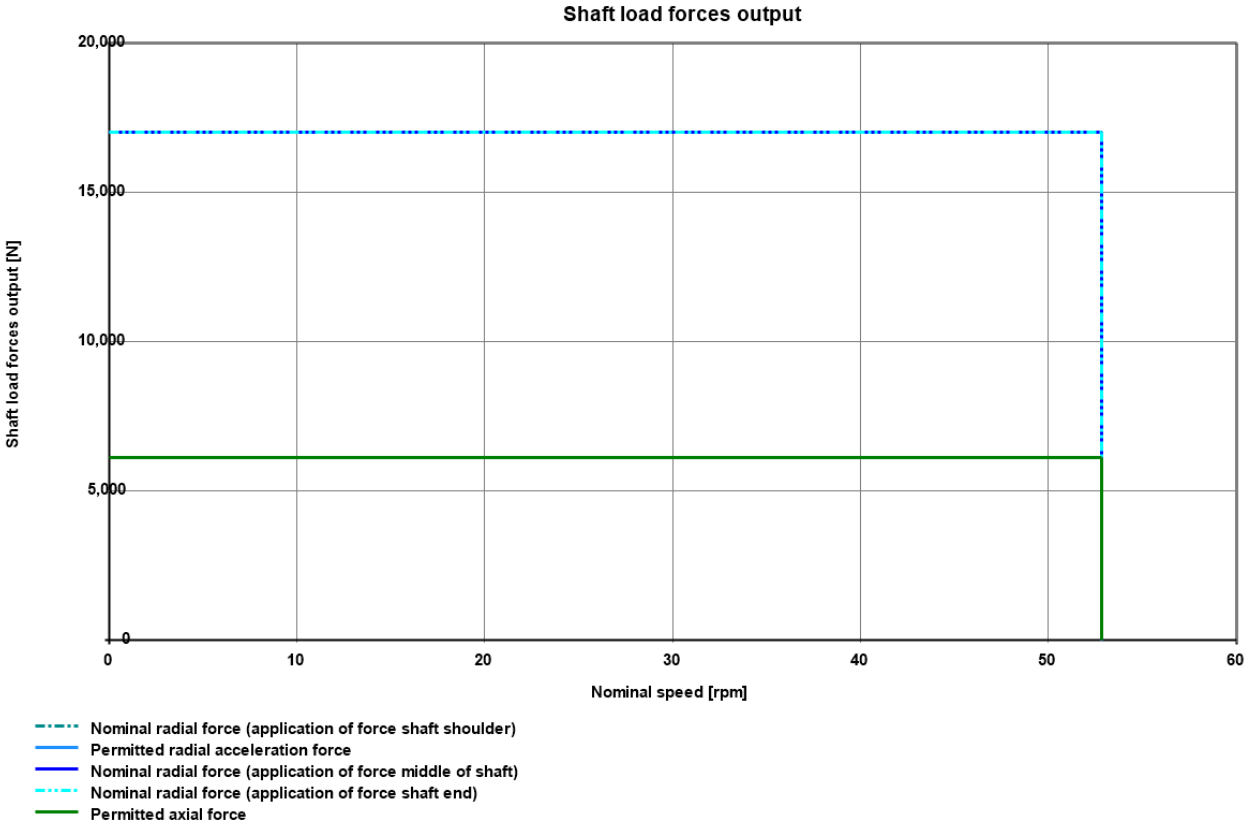
Technical data	
Type designation	PH732SFSS0700ME
Max. perm. acceleration torque	809 Nm
Gear ratio	70.00
Nominal radial force	17,045 N
Backlash	3.0 arcmin
Max. perm. input speed in cyclic operation	7,000 rpm
Service factor	1.0
Max. perm. input speed continuous operation	3,700 rpm
Exact math. Ratio	70/1
Mass moment of inertia dynamic	2.30 kgcm²
Weight	15 kg
Torsional stiffness	154 Nm/arcmin
Reference speed for nominal torque	1,500 rpm
Nominal torque on the gearbox output	600 Nm
Emergency-off torque	1,617 Nm
Efficiency	93 %

Configuration	
Shaft design	Flange shaft
Output bearings	Standard bearing
Shaft dimension	Pilot 50/100 bolt circle 80 M8
Housing design	Pilot 140 bolt circle 168
Mounting position	Any
Backlash	Standard
Customer motor manufacturer	Without
Customer motor type	Without
Coupling design	Clamp coupling
Motor shaft diameter	19 without feather key
Maximum motor shaft length	Min. 43 mm - max. 69 mm
Motor connection	□140 110/145 M8 c=42
Paint	1-layer paint
Color	RAL 9005 deep black


Gearbox torques input
Gearbox torques input [Nm]
25
20
15
10
5
0
0
1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
Input speed [rpm]
Emergency-off torque
Max. perm. acceleration torque
Nominal torque


Gearbox torques output
Gearbox torques output [Nm]
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
0
20
40
60
80
100
120
Nominal speed [rpm]
Emergency-off torque
Max. perm. acceleration torque
Nominal torque


Shaft load tilting torques output
Shaft load tilting torques output [Nm]
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
0
10
20
30
40
50
60
Nominal speed [rpm]
Permitted acceleration tilting torque
Permitted nominal tilting torque


Shaft load forces output
Shaft load forces output [N]
20,000
15,000
10,000
5,000
0
0
10
20
30
40
50
60
Nominal speed [rpm]
Nominal radial force (application of force shaft shoulder)
Permitted radial acceleration force
Nominal radial force (application of force middle of shaft)
Nominal radial force (application of force shaft end)
Permitted axial force