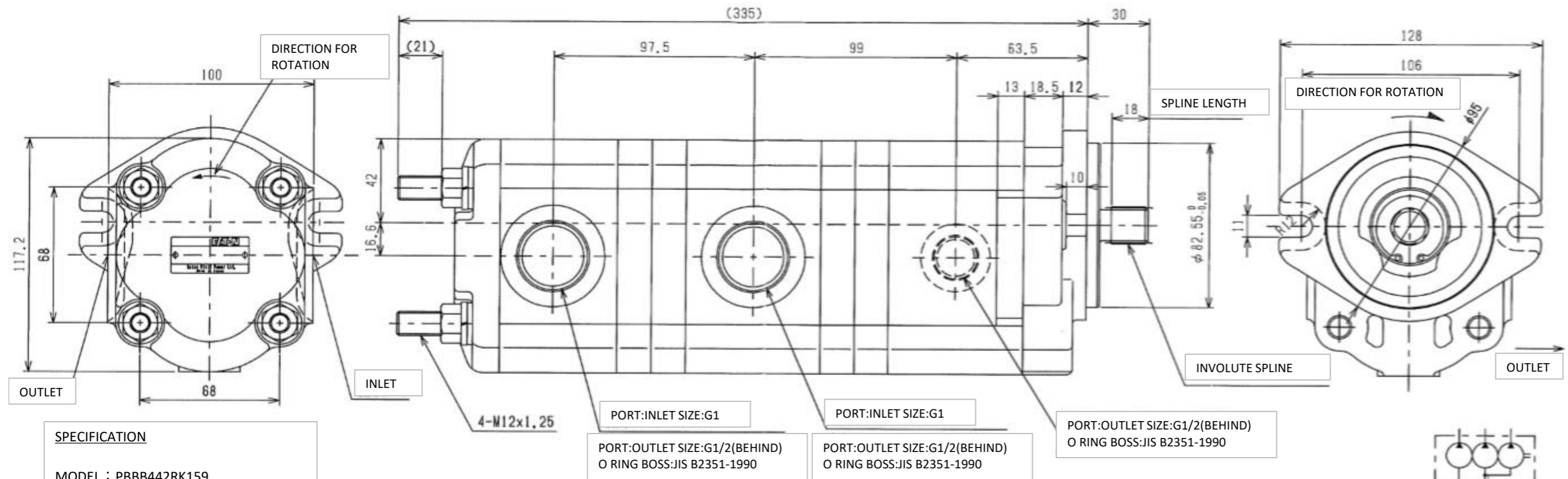


GM2800/2800A GEAR PUMP INFORMATION(K3252000060)



SPECIFICATION

MODEL : PBBB442RK159
 DISPLACEMENT P1,P2 : 16.0[cc/rev]
 P3 : 10.0[cc/rev]
 ROTATION SPEED STD : 1,800[rpm]
 MAX : 3,000[rpm]
 MIN : 600[rpm]
 PRESSURE STD : 20.6[MPa](P1-3)
 MAX : 24.5[MPa](P1-3)
 ROTATION : CW(SEE FROM SHAFT)
 WEIGHT : 9.7[kg]

DETAIL

- 1) PRESSURE STD : SET PRESSURE OF HYDRAULIC LINE
- 2) MAX PRESSURE : PRESSURE SPIKE LIMIT
- 3) SUCTION PRESSURE LIMIT : -0.02~+0.3[MPa]@INLET PORT (-0.05[MPa] OR MORE IN COLD SITUATION)
- 4) OIL SEAL LIMIT : -0.03[MPa] min~+0.3[MPa] max
- 5) TRACTION SHAFT CONCENTRICITY : 0.2TIR OR LESS WITH FLEX COUPLING / $\pm 1.0^\circ$
- 6) FILTRATION : 105~200 MESH AT SUCTION LINE WITH LINE FILTER 10~25[μ m]
- 7) HYDRAULIC OIL : ISO VG32~68 AND NAS11 OR LESS(IN TANK)
- 8) VISCOSITY : 20~60[mm²/s]
- 9) OIL TEMPERATURE : -10~80°C(100°C IN CASE)
- 10) ALL PRESSURE SHOWN MEANS GAUGE PRESSURE

SPECIFICATION OF SAE INVOLUTE SPLINE

TYPE OF FIT : FILLET ROOT SIDE
 NUMBER OF TEETH : 11
 PITCH FRACTION : 16/32
 PITCH ϕ : $\phi 17.436$
 PRESSURE ANGLE : 30°
 LARGE ϕ : $\phi 18.631[0/-0.127]$
 SMALL ϕ : $\phi 15.456[0/-0.279]$
 OVER PIN ϕ : $\phi 21.854/\phi 21.761$
 PITCH ϕ : 3.048

