

**Document title** Oil pressure

**Document number** be1800p100001b

**Engine 111, 112, 113, 137, 152, 155.980, 156, 157, 159, 176, 177, 178, 254, 256, 272, 273, 276, 278**

**Check values for oil pressure**

Number	Designation		Engine 111	Engine 112, 113	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	90	90
		Rpm	1/min	700	700
		Oil pressure	bar	≥ 0,3	≥ 0,7
		Rpm	1/min	3000	3000
		Oil pressure	bar	≥ 3,0	≥ 3,0
		Rpm	1/min	-	-
		Oil pressure	bar	-	-

**Check values for oil pressure**

Number	Designation		Engine 137	Engine 152	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	90	90
		Rpm	1/min	800	700
		Oil pressure	bar	≥ 0,8	≥ 0,3
		Rpm	1/min	3000	3000
		Oil pressure	bar	≥ 3,0	≥ 3,0
		Rpm	1/min	-	-
		Oil pressure	bar	-	-

**Check values for oil pressure**

Number	Designation		Engine 155.980	Engine 156	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	90	90
		Rpm	1/min	600	700
		Oil pressure	bar	≥ 0,7	≥ 0,8
		Rpm	1/min	3000	3000
		Oil pressure	bar	≥ 3,5	≥ 4,4
		Rpm	1/min	-	-
		Oil pressure	bar	-	-

**Check values for oil pressure**

Number	Designation		Engine 157, 278	Engine 159	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	90	90
		Rpm	1/min	600	-
		Oil pressure	bar	0,9...1,1	≥ 0,8
		Rpm	1/min	2500	3000
		Oil pressure	bar	1,7...2,3	≥ 2,8
		Rpm	1/min	3500	-
		Oil pressure	bar	3,5...5,0	-

**Check values for oil pressure**

Number	Designation		Engine 176, 178 Engine 177 in model 205, 253	Engine 177 in model 167, 213, 217, 222, 290 Engine 177 in model 463	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	100	100

	Rpm	1/min	650	650
	Oil pressure	bar	0,9...1,4	0,9...1,5
	Rpm	1/min	2000	2000
	Oil pressure	bar	1,9...2,3	1,9...2,3
	Rpm	1/min	4000	4000
	Oil pressure	bar	3,5...4,9	3,7...5,2

Check values for oil pressure

Number	Designation		Engine 254	Engine 256	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	85	80
		Rpm	1/min	620	520
		Oil pressure	bar	0,9...1,2	0,6...0,8
		Rpm	1/min	700	700
		Oil pressure	bar	1,0...1,2	0,7...0,9
		Rpm	1/min	3000	3000
		Oil pressure	bar	1,7...1,9	1,5...1,7

Check values for oil pressure

Number	Designation		Engine 272 (except 272.973/974)	Engine 272.973/974	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	90	90
		Rpm	1/min	700	700
		Oil pressure	bar	≥ 0,7	≥ 0,7
		Rpm	1/min	3000	2000
		Oil pressure	bar	≥ 4,0	1,6...2,4
		Rpm	1/min	-	3500
		Oil pressure	bar	-	3,5...4,7

Check values for oil pressure

Number	Designation		Engine 273	Engine 276	
BE18.00-P-1001-01B	Check values for oil pressure at	operating temperature (engine oil)	° C	90	90
		Rpm	1/min	700	600
		Oil pressure	bar	≥ 0,7	0,9...1,1
		Rpm	1/min	3000	2500
		Oil pressure	bar	≥ 3,5	1,7...2,3
		Rpm	1/min	-	3500
		Oil pressure	bar	-	3,5...5,0