2.3 Main characteristics for pressure range 2

Displacement	Flow rate	Maximum speed	Code	Operating pressure at the pump outlet side				Torque	Power consumption
effective	1450 min^{-1} p = 0 bar			continuous [bar]		intermittent [bar] 2)			
[cm^3/rev] 1)	[l/min]	[rpm]		Mineral oil	HFC	Mineral oil	HFC	[Nm] 3)	[kW] 4)
5,1 6,3 8,0	7,4 9,1 11,5	3600	QX22-005 QX22-006 QX22-008	210	180	250	210	17 21 27	2,6 3,2 4,0
10,0 12,6 15,6	14,5 18,3 22,6	3400	QX32-010 QX32-012 QX32-016	210	180	250	210	34 42 52	5,1 6,4 7,9
20,4 25,1 32,4	29,5 36,4 46,8	3200	QX42-020 QX42-025 QX42-032	210	180	250	210	68 84 108	10,4 12,7 16,5
39,3 50,6 63,7	56,9 73,2 92,1	2800	QX52-040 QX52-050 QX52-063	210	180	250	210	132 170 213	19,9 25,7 32,3
80,2 101,0 124,8	116 146 181	2500 7) 2300 7) 2000 7)	QX62-080 QX62-100 QX62-125	210	180	250	210	268 338 417	40,7 51,2 63,4
163,0 201,3 249,2	236 291 361	1800 7) 1750 7) 1500 7)	QX82-160 QX82-200 QX82-250	210	180	250	210	544 672 833	82,7 102,1 126,5

2.4 Main characteristics for pressure range 3

Displacement	Flow rate	Maximum speed	Code	Operating pressure at the pump outlet side				Torque	Power consumption
effective	1450 min^{-1} p = 0 bar			continuous [bar]		intermittent [bar] 2)			
[cm^3/rev] 1)	[l/min]	[rpm]		Mineral oil	HFC	Mineral oil	HFC	[Nm] 3)	[kW] 4)
5,1 6,3 8,0	7,4 9,1 11,5	3600	QX23-005 QX23-006 QX23-008	320	280	400	350	26 32 41	4,0 4,9 6,2
10,0 12,6 15,6	14,5 18,3 22,6	3400	QX33-010 QX33-012 QX33-016	320	280	400	350	51 64 80	7,7 9,7 12,1
20,4 25,1 32,4	29,5 36,4 46,8	3200	QX43-020 QX43-025 QX43-032	320	280	400	350	104 128 165	15,8 19,4 25,0
39,3 50,6 63,7	56,9 73,2 92,1	2800	QX53-040 QX53-050 QX53-063	320	280	400	350	200 258 321	30,4 39,1 49,3
80,2 101,0 124,8	116 146 181	2500 7) 2300 7) 2000 7)	QX63-080 QX63-100 QX63-125	320	280	400	350	409 514 636	62,0 78,1 96,5
163,0 201,3 249,2	236 291 361	1800 7) 1750 7) 1500 7)	QX83-160 QX83-200 QX83-250	320	280	400	350	830 1025 1270	126,0 155,7 192,7

1) Due to manufacturing tolerances, there may be slight variations in the displacement.

2) max. 20 second and not more than 10% of the duty cycle

3) theoretical value at the max. permitted continuous pressure for mineral oil

4) theoretical value at the max. permitted continuous pressures for mineral oil at n = 1450 rpm

5) for speeds > 1450 rpm, the min. permissible inlet pressure is 0.95 bar absolute. For HFC application a second suction port may be required

6) max. speed only possible with a second suction port, see section 2.2.1

7))for speeds > 1450 rpm, the min. permissible inlet pressure is 0.95 bar absolute.