PCG HYDRAULICS LIMITED
QX DATA SHEETS - SINGLE PUMPS

IMPORTANT: The main characteristics are valid for hydraulic oils DIN 51524 with a viscosity of 20 - 50mm^2/s. The operating pressure at the pump outlet side is specified also for fire-resistant fluids (HFC).

2.2 Main characteristics for pressure range 1

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)
10,3	14,9	3600	QX21-010	160	130	210	180	26	4,0
12,6	18,3	3600	QX21-012	125	100	160	135	25	3,8
15,9	23,0	3600	QX21-016	100	80	125	100	25	3,9
20,0	29,0	3000	QX31-020	160	130	210	180	51	7,7
25,3	36,7	3000	QX31-025	125	100	160	135	50	7,7
31,2	45,2	3000	QX31-032	100	80	125	100	50	7,5
40,7	59,0	3000	QX41-040	160	130	210	180	104	15,7
50,3	72,9	2600	QX41-050	125	100	160	135	100	15,2
64,7	93,8	2300	QX41-063	100	80	125	100	103	15,6
78,6	114	2300	QX51-080	160	130	210	180	200	30,4
101,1	146	2100	QX51-100	125	100	160	135	201	30,5
127,3	184	1800 5)	QX51-125	100	80	125	100	203	30,8
160,5	232	1800 6)	QX61-160	160	130	210	180	409	62,0
202,1	293	1800 6)	QX61-200	125	100	160	135	402	61,0
249,7	362	1800 6)	QX61-250	100	80	125	100	397	60,4
326,0	472	1750 6)	QX81-315	160	130	210	180	830	126,0
402,6	583	1750 6)	QX81-400	125	100	160	135	801	121,6
498,5	722	1500 6)	QX81-500	100	80	125	100	793	120,5

2.2.1 Suction arrangements for pump types QX61 and QX81

Minimum inlet pressure is 0.95 bar absolute with viscosity 10 - 100 mm2/s (other values on request)

Type	Speed 1500 rpm Suction height		Speed 1800 rpm Suction height	
	up to 150 mm	over 150 mm	up to 150 mm	over 150 mm
QX61-160	I	I	I	II
QX61-200	I	I	I	II
QX61-250	I	II	II	II
QX81-315	I	II	II	II
QX81-400	II	II	II	-
QX81-500	II	II	-	-

I = standard pump with one suction port
II = model with two suction ports
All pump types coded II can be used without the second suction port up to 1200 rpm