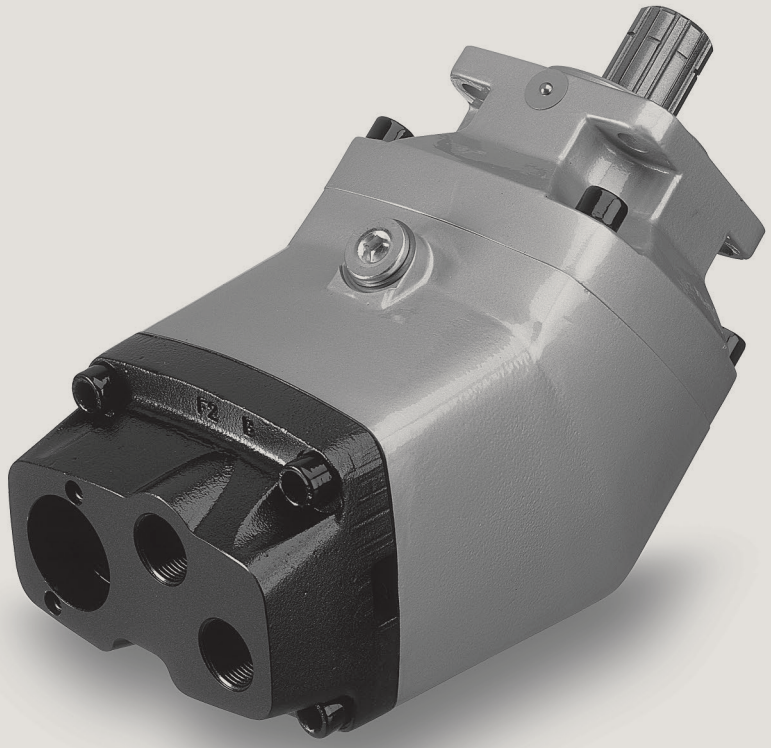
F2 Twin-flow Pump



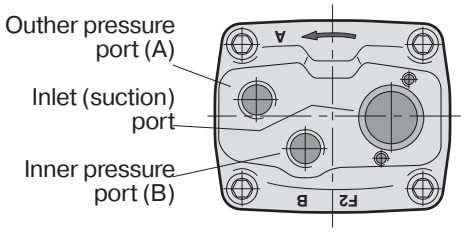
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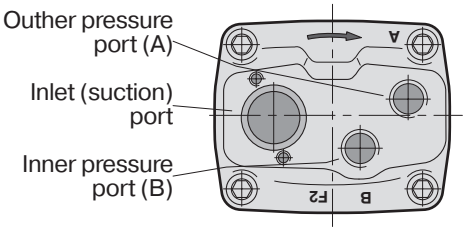
Specifications

Frame size F2-	**42/42**	**53/53**	**55/28**	**70/35**	**70/70**
Displacement [cm³/rev]					
Port A	43	55	55	69	68
Port B	41	52	28	36	68
Max operating pressure [bar]					
continuous	350	350	350	350	300
intermittent [3]	400	400	400	400	350
Mass moment of inertia J [kgm²]	0.0092	0.0091	0.0091	0.0090	0.0104
Max Shaft speed [rpm]					
(unloaded pump; low pressure)	2550	2550	2550	2550	– [3]
Max selfpriming speed [rpm]					
Ports A[1] and B[1] pressurised	1800	1800	1800	1800	1650
Port A[1] unloaded, pressure in port B	2100	2100	2100	2100	2100
Max input power[2] [kW]	100	127	100	126	131
Weight [kg]	19	19	19	19	19

'Left hand' and 'right hand' end caps



End cap for right hand rotating pump



End cap for left hand rotating pump

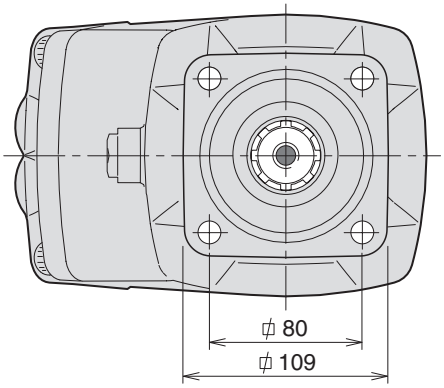
1) Valid at an inlet pressure of 1.0 bar (abs.) when operating on mineral oil at a viscosity of 30 mm²/s (cSt).
2) Max 6 seconds in any one minute.
3) Not suitable for engine-PTO

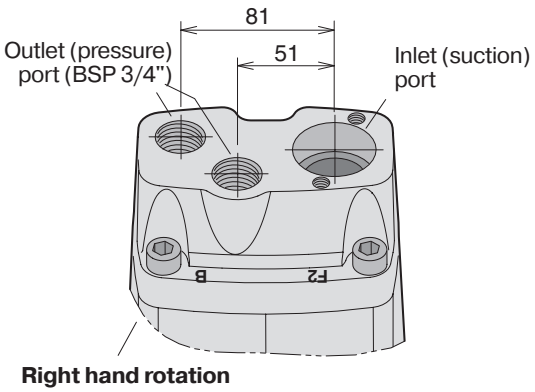
Flow vs. shaft speed (theoretical)

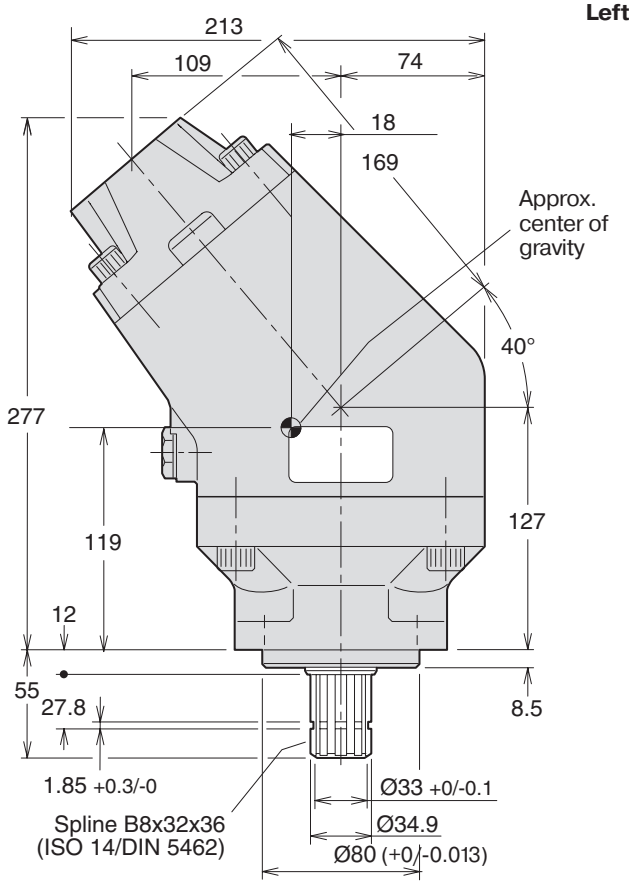
Pump speed [rpm]	**800**	**1000**	**1200**	**1400**	**1600**	**1800**	**1900**	**2000**	**2100**
F2-53/53 flow [l/min]									
Port A	43	54	65	76	86	97	-	-	-
Port B	42	52	62	73	83	94	99	104	109
Total (ports A + B)	85	106	127	149	169	191	-	-	-
	Note:42/42 values is 80 % of 53/53 values 70/70 values is 130 % of 53/53 values								
F2-70/35 flow [l/min]									
Port A	55	69	83	97	110	124	-	-	-
Port B	29	36	43	50	58	65	68	72	76
Total (ports A + B)	84	105	126	147	168	189	-	-	-
	Note: 55/28 values is 80 % of 70/35 values								

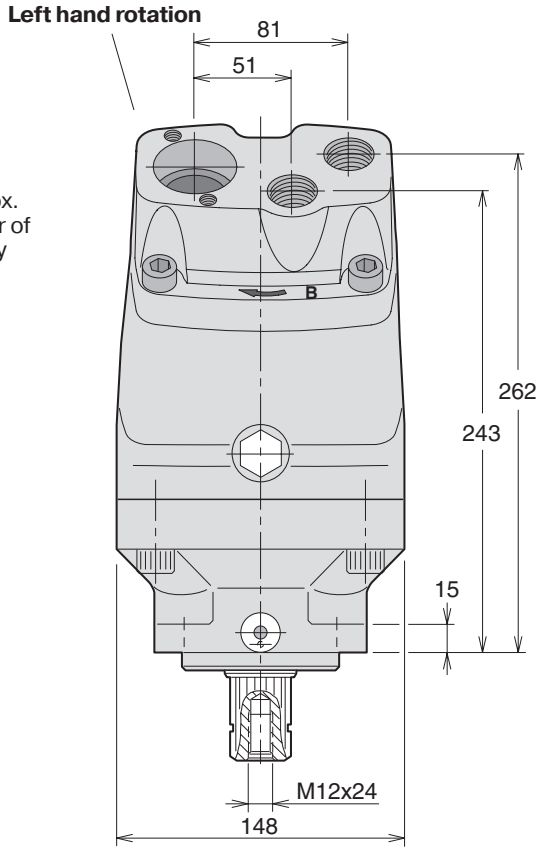
Shaft torque vs. pressure (theoretical)

Pressure [bar]	**150**	**200**	**250**	**300**	**350**
F2-53/53 torque [Nm]					
Port A	129	171	214	257	300
Port B	124	165	206	248	289
Total (ports A + B)	253	336	420	505	589
	Note:42/42 values is 80 % of 53/53 values 70/70 values is 130 % of 53/53 values				
F2-70/35 torque [Nm]					
Port A	164	219	274	329	383
Port B	86	114	143	171	200
Total (ports A + B)	250	333	417	500	583
	Note: 55/28 values is 80 % of 70/35 values				









Ordering code

Example: **F2 - 53/53 - L**

Frame size [cm^3/rev]
42/42
53/53
55/28
70/35
70/70

Direction of rotation
L Left hand
R Right hand

NOTE:
- Before start-up, tighten the inspection port plug to 70 – 100 Nm.
- To change the direction of rotation, **the end cap must be replaced.**

NOTE:
The pump **does not** include a suction fitting; it must be ordered separately. See page 63ff..

Standard versions

Designation	Ordering no.
F2-42/42-R	378 4042
F2-42/42-L	378 4043
F2-53/53-R	378 1453
F2-53/53-L	378 1454
F2-55/28-R	378 4128
F2-55/28-L	378 4129
F2-70/35-R	378 1470
F2-70/35-L	378 1471
F2-70/70-R	378 4070
F2-70/70-L	378 4071