

Technical Specifications

Pump configuration		Single variable pump			
Frame size	cm ³	28	32	41	51
Displacement	cm ³ [in ³]	28 [1.71]	31.8 [1.94]	40.9 [2.50]	51 [3.11]
Weight	kgf [lbf]	34.5 [76]	34.5 [76]	42 [92]	42 [92]
Mass moment of inertia	kg·m ² [lbf·ft ²]	0.0018 [0.0013]	0.0019 [0.0013]	0.0036 [0.0027]	0.0038 [0.0028]
Type of front mounting flange (SAE flange size per SAE J744)		SAE B			
Port connections		SAE-twin ports, radial			
System pressure regulation	bar [psi]	140-415 [2030-6017]	140-345 [2030-5003]	140-415 [2030-6017]	140-345 [2030-5003]
Displacement limiters		Option			
Input shaft options		Splined, Round Straight Key			
Auxiliary mounting pad (SAE pad per SAE J744)		SAE A (9 tooth and 11 tooth) SAE B (13 tooth and 15 tooth)			
Control options		MDC, FNR, NFPH, NFPE, HC-EDC, EDC			
Filtration configuration		Suction or charge pressure filtration			
Loop flushing		Option			

System Parameters

Case pressure

Rated pressure	bar [psi]	3 [44]
Maximum pressure (cold start)	bar [psi]	10.5 [150]

Pressure Limits

Frame size	cm ³	28	32	41	51
Maximum working pressure *	bar [psi]	400 [5800]	350 [5075]	400 [5800]	350 [5075]
Maximum pressure	bar [psi]	450 [6525]	400 [5800]	450 [6525]	400 [5800]

* Operation above maximum working pressure is permissible with Danfoss application approval.

Inlet Pressure

Continue pressure	bar (absolute) [in Hg vacuum]	0.8 [6]
Minimum pressure (cold start)	bar (absolute) [in Hg vacuum]	0.2 [24]

Speed Limits

Frame size	cm ³	28	32	41	51
Minimum speed	min ⁻¹ (rpm)	500	500	500	500
Rated speed at maximum displacement	min ⁻¹ (rpm)	3400	3000	3200	2900
Maximum speed at maximum displacement	min ⁻¹ (rpm)	3750	3400	3450	3400