ENGINEERING TOMORROW



Data Sheet

Medium pressure open circuit piston pumps X20



Danfoss X20 open circuit piston pumps

Mobile equipment engineers around the world are experiencing increased power density made possible by Danfoss X20 open circuit piston pumps. The reliability, productivity and efficiency of these small, lightweight pumps makes them a heavyweight solution for a wide range of medium-pressure mobile applications operating in harsh environments.

Reliability and power in a compact package

Minimize downtime

- Simple design, fewer parts
- · Longer pump life

Power efficiently

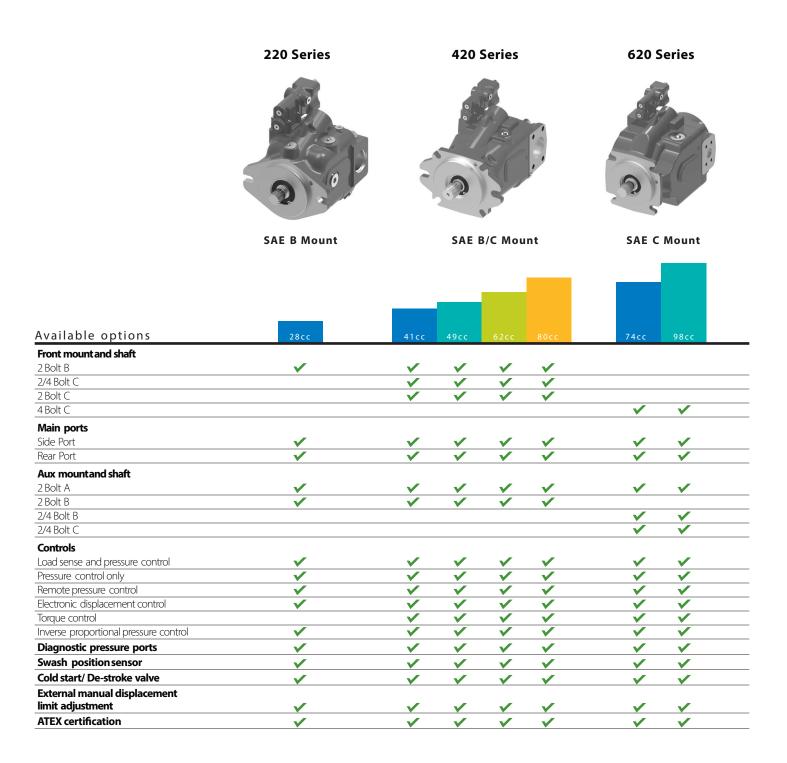
- · Greater fuels savings
- · Leak-free system

Increase productivity

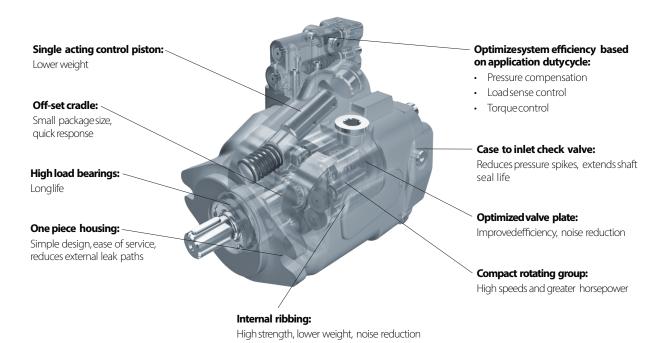
- · High pressure and flow capability
- High power density

Key applications

- Construction
- Agriculture
- Commercial vehicle
- Material handling



Reliable and efficient



		Units	28cc	41cc	49cc	62cc	80cc	74cc	98cc
The second of the decrease of		cc/ rev	28	41	49.2	62.3	80	74	98
Theoretical displacement	_	In3/ rev	1.71	2.5	3	3.8	4.88	4.54	5.98
	Minimum	rpm	500	600	600	600	600	600	600
Input standby speed	Rated*	rpm	3,000	2,650	2,650	2,600	2,200	2,400	2,200
	Maximum**	rpm	3,600	3,600	3,600	3,600	3,600	2,880	2,640
Maximum pressure		bar	350	350	350	350	250	350	350
		psi	5,076	5,076	5,076	5,076	3,625	5,076	5,076
Continuous pressure		bar	280	280	280	280	210	310	280
		psi	4,061	4,061	4,061	4,061	3,045	4,496	4,061
Theoretical flow at rated speed		lpm	101.1	108.6	130.2	162.0	176.0	178.7	215.7
		gpm	26.7	28.7	34.4	42.8	46.5	47.2	57
Theoretical input torque at max		Nm	125	183	219	278	268	330	436
displacement		ft-lb	92	135	162	205	198	243	322
Theoretical input power		kW	39.2	50.7	60.8	75.6	61.7	82.9	100.6
		HP	52.6	68.0	81.5	101.3	82.7	111.1	135.0
Size – with	Length	mm	187	230	230	230	230	274	288
Load sense pressure controller	Width	mm	134	150	150	150	150	198	198
	Height	mm	210	215	215	215	215	270	270

^{*}at 1 bar absolute inlet pressure

Need more power density for your construction, mining, agriculture, on-highway or other mobile application? Ask about the X 20 experience and how it can help you lower maintenance and fuel costs, improve productivity and minimize downtime. For more information, visit www.danfoss.com.

^{**}pump in standby (minimumdisplacement)



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- Gear pumps
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- Hydrostatic pumps
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