

Danfoss hydrostatic product family

Overview of H1 pumps technical specifications

The table below shows the available range of H1 pumps as of this printing, with their respective speed, pressure, weight and mounting flange:

Feature	045	053	060	068	069	078	089	100	115	130	147	165	210	250
Displacement cm³ [in³]	45.0 [2.75]	53.8 [3.28]	60.4 [3.69]	68.0 [4.15]	69.2 [4.22]	78.1 [4.77]	89.2 [5.44]	101.7 [6.21]	115.2 [7.03]	130.0 [7.93]	147.2 [8.98]	165.1 [10.08]	211.5 [12.91]	251.7 [15.36]
Rated speed min⁻¹ (rpm)	3400	3400	3500	3500	3500	3500	3300	3300	3200	3200	3000	3000	2600	2600
Max speed min⁻¹ (rpm)	3500	3500	4000	4000	4000	4000	3800	3800	3400	3400	3100	3100	2800	2800
Max working pressure¹⁾ bar [psi]	420 [6090]	380 [5510]	420 [6090]	380 [5510]	450 [6525]	450 [6525]	450 [6525]	450 [6525]	450 [6525]	450 [6525]	450 [6525]	450 [6525]	450 [6525]	450 [6525]
Max pressure bar [psi]	450 [6525]	400 [5800]	450 [6525]	400 [5800]	480 [6960]	480 [6960]	480 [6960]	480 [6960]	480 [6960]	480 [6960]	480 [6960]	480 [6960]	480 [6960]	480 [6960]
Weight dry (W/O PTO, filter); kg [lb]	single: 41 [90] tandem: 65 [143]		50 [110]	50 [110]	56 [123]	56 [123]	62 [137]	62 [137]	83 [187]	83 [187]	96 [211]	96 [211]	163 [360]	163 [360]
Mounting flange	SAE B 2-bolt	SAE B 2-bolt	SAE C 4-bolt	SAE C 4-bolt	SAE C 4-bolt	SAE C 4-bolt	SAE C 4-bolt	SAE C 4-bolt	SAE D 4-bolt	SAE D 4-bolt	SAE D 4-bolt	SAE D 4-bolt	SAE E 4-bolt	SAE E 4-bolt

¹⁾ Applied pressures above maximum working pressure requires Danfoss application approval.

Control options

Size	045/053 Tandem	045/053 Single	060/068	069/078	089/100	115/130	147/165	210/250
EDC	●	●	●	●	●	●	●	●
MDC	●	●	●	●	●	●	●	●
FNR	●	●	●	●	●	●	-	-
NFPE	●	●	●	●	●	●	-	-
FDC	-	●	●	●	●	●	●	●
AC	-	●	●	●	●	●	-	-

For more details go to the website <http://www.powersolutions.danfoss.com/literature/> or see *H1 pumps literature reference* on page 6.