

Single-Stage Series, 'HD' Air-Cooled and 'HDL' Liquid-Cooled

Model	Single-Seal Double-Seal Triple-Seal	HD082C	HD161 HD162 HD163	HD361 HD362 HD363	HDL362 HDL363	HD602 HD603	HDL602 HDL603	HDL322	HDL342 HDL343	HDL642 HDL643	HD942 HD943	HDL942 HDL943
Number of Cylinders		1	2	2		2		2	2	2	2 (Double Acting)	
Bore - in. (mm)		3.0 (76.2)	3.0 (76.2)	4.0 (102)		4.625 (117)		2.0 (51)	2.69 (68)	3.25 (82.5)	4.625 (117)	
Stroke - in. (mm)		2.5 (63.5)	2.5 (63.5)	3.0 (76)		4.0 (102)		3.0 (76)	3.0 (76)	4.0 (102)	4.0 (102)	
MAWP - psia (bar)		350 (24.1)	350 (24.1)	350 (24.1)		350 (24.1)		1,000 (68.9)	750 (51.7)	750 (51.7)	350 (24.1)	
Piston rod dia. - in. (mm)		0.75 (19.1)	0.75 (19.1)	0.75 (19.1)		1.25 (31.8)		0.75 (19.1)	0.75 (19.1)	1.25 (31.8)	1.25 (31.8)	
Min./Max. Speed (rpm)		350 / 825	350 / 825	350 / 825		350 / 825		350 / 825	350 / 825	350 / 825	350 / 825	
Piston Displacement												
@ 100 rpm - CFM (m ³ /hr)		1.02 (1.74)	2.05 (3.48)	4.36 (7.41)		7.78 (13.2)		1.09 (2.80)	1.97 (5.00)	3.84 (6.5)	14.99 (25.47)	
@ Min rpm - CFM (m ³ /hr)		3.58 (6.1)	7.16 (12.2)	15.3 (26.0)		27.2 (46.3)		3.81 (9.8)	6.89 (17.51)	13.4 (22.8)	52.46 (89.1)	
@ Max rpm - CFM (m ³ /hr)		8.45 (14.35)	16.9 (28.7)	36.0 (61.2)		64.2 (109.0)		9.00 (23.1)	16.25 (41.28)	31.7 (53.8)	125.2 (212)	
Max. BHP (kw)		7.5 (5)	10 (7.5)	15 (11)		40 (30)		15 (11)	15 (11)	40 (30)	50 (37)	
Approx Wt. w/ Flywheel - lb. (kg)		215 (97)	225 (102)	365 (166)		705 (320)		385 (175)	385 (175)	705 (320)	905 (410)	
Inlet & Outlet, NPT - in.		0.75	0.75	1.5" ANSI 300#		2" ANSI 300#		1.5" ANSI 600#	1.5" ANSI 600#	2" 600# ANSI	2" ANSI 300#	

Two-Stage Series, 'HD' Air-Cooled and 'HDL' Liquid-Cooled

Model	Double-Seal Triple-Seal	HD172 HD173	HDL172 HDL173	HD372 HD373	HDL372 HDL373	HD612 HD613	HDL612 HDL613
# Cyl. Per Stage		1		1		1	
Bore - in. (mm)	Stage 1 Stage 2	3.0 (76.2) 1.75 (44.5)		4.625 (117) 2.687 (68)		6 (152) 3.25(.83)	
Stroke - in. (mm)		2.5 (63.5)		3.0 (76)		4.0 (102)	
MAWP - psia (bar)		615 (42.4)		615 (42.4)		415 (28.6)	
Piston rod dia. - in. (mm)		0.75 (19.1)		0.75 (19.1)		1.25 (31.8)	
Min. / Max. Speed (rpm)		350 / 825		350 / 825		350 / 825	
Piston Displacement							
@ 100 rpm - CFM (m ³ /hr)		1.02 (1.73)		2.92 (4.96)		6.54 (11.1)	
@ Min rpm - CFM (m ³ /hr)		3.57 (6.07)		10.2 (17.3)		22.9 (38.9)	
@ Max rpm - CFM (m ³ /hr)		8.42 (14.3)		24.1 (40.8)		53.7 (91.2)	
Max. BHP (kw)		10 (7.5)		15 (11)		40 (30)	
Approx Wt. w/ Flywheel - lb. (kg)		245 (111)		405 (184)		775 (352)	
Inlet / Outlet, NPT - in.		0.75 / 0.75		1.25 / 1.00		2.00* / 1.50*	

* NPT or Weld Flanges available

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