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ZM Technologies ZD-U1 Model Operating Parameters

ZD-U1 Model	Maximum Nominal Displacement	Displacement per Revolution	Maximum Pressure	Maximum RPM	Standard Inlet/Outlet	Optional Inlet/Outlet	Temperature Range	
							Std. Rotors	Hot Rotors
006-U1	6 GPM (1.3 m³/hr.)	0.0082 GAL. (0.031 Liter)	200 PSI (13.8 bar)	800	1"	1-1/2"	-40° F (-40° C) to 200° F (93° C)	180° F (82° C) to 300° F (149° C)
015-U1	9 GPM (2.0 m³/hr.)	0.0142 GAL. (0.054 Liter)	200 PSI (13.8 bar)	700	1-1/2"	---		
018-U1	9 GPM (2.0 m³/hr.)	0.029 GAL. (0.110 Liter)	200 PSI (13.8 bar)	600	1-1/2"	2"		
030-U1	36 GPM (8.2 m³/hr.)	0.060 GAL. (0.227 Liter)	200 PSI (13.8 bar)	600	1-1/2"	2"		
060-U1	90 GPM (20.4 m³/hr.)	0.153 GAL. (0.579 Liter)	200 PSI (13.8 bar)	600	2-1/2"	3"		
130-U1	150 GPM (34.1 m³/hr.)	0.254 GAL. (0.961 Liter)	200 PSI (13.8 bar)	600	3"	---		
220-U1	310 GPM (70.4 m³/hr.)	0.522 GAL. (1.976 Liter)	200 PSI (13.8 bar)	600	4"	---		
320-U1	450 GPM (102 m³/hr.)	0.754 GAL (2.854 Liter)	200 PSI (13.8 bar)	600	6"	---		
323P-U1	450 GPM (102 m³/hr.)	0.754 GAL (2.854 Liter)	200 PSI (13.8 bar)	600	6"	---		

ZM Technologies ZD-E Evolution Pump Operating Parameters

ZD-E Model	Maximum Nominal Displacement	Displacement per Revolution	Maximum Pressure	Maximum RPM	Standard Inlet/Outlet	Optional Inlet/Outlet	Temperature Range	
							Std. Rotors	Hot Rotors
006-E	7 GPM (1.6 m³/hr.)	0.0082 GAL. (0.031 Liter)	300 PSI (20.7 bar)	800	1"	1-1/2"	-40° F (-40° C) to 200° F (93° C)	180° F (82° C) to 300° F (149° C)
015-E	10 GPM (2.3 m³/hr.)	0.0142 GAL. (0.054 Liter)	250 PSI (17.2 bar)	700	1-1/2"	---		
018-E	17 GPM (3.9 m³/hr.)	0.029 GAL. (0.110 Liter)	200 PSI (13.8 bar)	600	1-1/2"	2"		
030-E	36 GPM (8.2 m³/hr.)	0.060 GAL. (0.227 Liter)	250 PSI (17.2 bar)	600	1-1/2"	2"		
045-E	58 GPM (13.2 m³/hr.)	0.098 Gal. (0.371 Liter)	450 PSI (31.0 bar)	600	2"	2-1/2"		
060-E	90 GPM (20.4 m³/hr.)	0.153 GAL. (0.579 Liter)	300 PSI (20.7 bar)	600	2-1/2"	3"		
130-E	150 GPM (34.1 m³/hr.)	0.254 GAL. (0.961 Liter)	200 PSI (13.8 bar)	600	3"	---		
180-E	230 GPM (52.2 m³/hr.)	0.380 Gal. (1.438 Liter)	450 PSI (31.0 bar)	600	3"	4"		
220-E	310 GPM (70.4 m³/hr.)	0.522 GAL. (1.976 Liter)	300 PSI (20.7 bar)	600	4"	---		
210-E	300 GPM (68.1 m³/hr.)	0.502 Gal. (1.900 Liter)	300 PSI (20.7 bar)	600	4"	---		
320-E	450 GPM (102 m³/hr.)	0.754 GAL (2.854 Liter)	250 PSI (17.2 bar)	600	6"	---		
323P-E	450 GPM (102 m³/hr.)	0.754 GAL (2.854 Liter)	250 PSI (17.2 bar)	600	6"	---		
380-E	660 GPM (150 m³/hr.)	1.10 GAL (4.164 Liter)	250 PSI (17.2 bar)	600	6"	---		

ZM Technologies ZD-U1 Rectangle Flange Model Operating Parameters

ZD-U1 Model	Maximum Nominal Displacement	Displacement per Revolution	Maximum Pressure	Maximum RPM	Rectangle Inlet (W x L)	Optional Outlet	Temperature Range	
							Std. Rotors	Hot Rotors
034-U1	24 GPM (5.5 m³/hr.)	0.060 GAL. (0.227 Liter)	200 PSI (13.8 bar)	400	1.75 x 6.75	2"	-40° F (-40° C) to 200° F (93° C)	180° F (82° C) to 300° F (149° C)
064-U1	60 GPM (13.6 m³/hr.)	0.153 GAL. (0.579 Liter)	200 PSI (13.8 bar)	400	2.24 x 8.82	2-1/2" (3")		
134-U1	100 GPM (22.7 m³/hr.)	0.254 GAL. (0.961 Liter)	150 PSI (10.3 bar)	400	2.97 x 9.25	3"		
224-U1	200 GPM (45.4 m³/hr.)	0.522 GAL. (1.976 Liter)	300 PSI (20.7 bar)	400	3.87 x 11	4"		
324-U1	300 GPM (68.1 m³/hr.)	0.754 GAL (2.854 Liter)	300 PSI (20.7 bar)	400	5 x 17.38	6"		

ZM Technologies ZD-E Rectangle Flange Model Operating Parameters

ZD-U1 Model	Maximum Nominal Displacement	Displacement per Revolution	Maximum Pressure	Maximum RPM	Rectangle Inlet (W x L)	Optional Outlet	Temperature Range	
							Std. Rotors	Hot Rotors
034-E	24 GPM (5.5 m³/hr.)	0.060 GAL. (0.227 Liter)	200 PSI (13.8 bar)	400	1.75 x 6.75	2"	-40° F (-40° C) to 200° F (93° C)	180° F (82° C) to 300° F (149° C)
064-E	60 GPM (13.6 m³/hr.)	0.153 GAL. (0.579 Liter)	200 PSI (13.8 bar)	400	2.24 x 8.82	2-1/2" (3")		
134-E	100 GPM (22.7 m³/hr.)	0.254 GAL. (0.961 Liter)	150 PSI (10.3 bar)	400	2.97 x 9.25	3"		
184-E	152 gpm (34.5 m³/hr.)	0.380 Gal. (1.438 Liter)	450 psi (31.0 bar)	400	3.28 x 11.25	3"		
224-E	208 gpm (47.2 m³/hr.)	0.522 GAL. (1.976 Liter)	350 PSI (23.8 bar)	400	3.87 x 11	4"		
214-E	200 GPM (45.4 m³/hr.)	0.502 Gal. (1.900 Liter)	500 psi (34.5bar)	400	3.45 x 12.70	4"		
324-E	300 GPM (68.1 m³/hr.)	0.754 GAL (2.854 Liter)	350 PSI (23.8 bar)	400	5 x 17.38	6"		

Sanitary Pump Size ZD-U1 & Evolution	Torque Limit		Maximum BHP
	ft. - lbs	in. - lbs	
006	66.6	800	2
015	66.6	800	2.5
018	66.6	800	3
030, 034	250	3030	5
045, 060, 064, 130, 134	420	5,050.00	15
180, 220, 224	790	9,500.00	40
210, 320, 323+, 324, 380	1,320.00	15,800.00	60
420, 423	2,190.00	26,250.00	100
520, 523	2,190.00	26,250.00	150