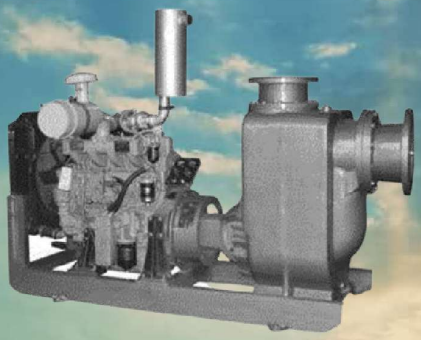
NEWTONUS PUMP

SELF PRIMIMG & NON CLOGGING PUMP
FE model



We are professional engineers for energy saving pump & piping

General

Application :

-Plantation Building (Transfer/irrigation)
-Farming (Transfer/irrigation)
-Fishery (Transfer, sewage dewatering. circulation)
-Building (Sewage dewatering, flood control)
-Industry (Sewage dewatering, flood control)
-Mining (Sewage dewatering, flood control)

Pump-Electric motor

Specification :

-Maximum flow 750 M3/hour
-Maximum head 35 meter
-Liquid temperatur 0 deg.C to 60 deg.C
-Maximum working pressure 10Bar
-Maximum Inlet & outlet dia. DN200
-Liquid pH 5 - 9, with maximum solid content 2%
-Maximum passing grain is 78 mm

Pump-Diesel engine

Electric motor/ Diesel engine :

-Electric motor 3Ph/380V-660V/50Hz
-Diesel Engine 300 rpm to 3000 rpm/12V-24V
-Maximum power : 110 kW

Features :

-Self priming, semi open and non clogging design impeler.
-Back pull out design, so without must disturb pump casing and piping when pump service.
-Istallation FCL coupling with accurate shaft alignment to maintain low noise, highest performance and long life time.

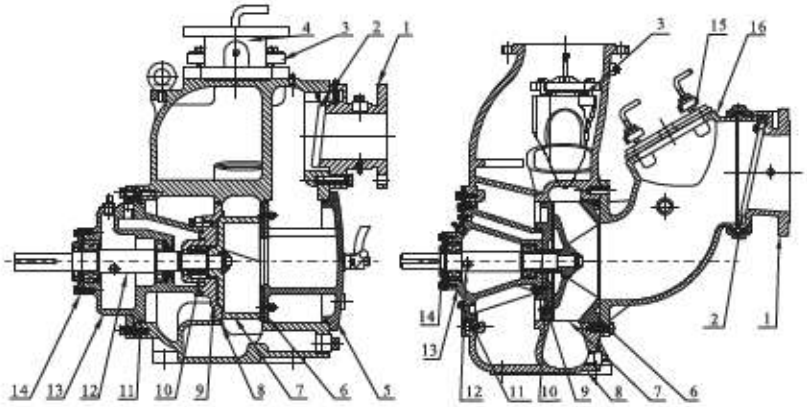
Engineering & pricing solution

The energy saving & long life time of pump is our focus. The pump energy saving is not only determined by pump efficiency, but also depending by pipe diameter, controller, etc. Therefore we are ready to give consultation or trainning of piping engineering (Free of charge) before purchase the pumps, for as below :

-Calculation to determine the pump flow & total head, pipe diameter & material (inlet/ outlet pipe)
-To avoid cavitation, the suction pipe (negative/positive suction) should be calculated max. suction lift (Hs).
-Selection of pump controller according to the application system
-Selection of pump type according to flow, total head, material and electrical power
-Selection of cheaper price with similar or better pump & application

Konsultasi : WA, BiP 0877 7067 8615, email : engineering@newtonus.com, engineering.newtonus@gmail.com

Component & Material :



NO.	Parts	Material
1	Suction Inlet	Cast iron
2	Flap Valve	NBR+ Carbon steel
3	Infusion Cover	Cast iron
4	Discharge Outlet	Cast iron
5	End Cover	Cast iron
6	Wear Plate	Carbon steel
7	Impeller	DCI
		Cast steel
8	Volute	Cast iron
9	Impeller Cover	Cast iron
10	Mechanical Seal	WC/ WC
11	O-Ring	NBR/FPM
12	Shaft	Stainless steel
13	Bearing Body	Cast iron
14	Bearing Cover	Cast iron
15	Inlet cover	Cast iron
16	Inlet	Cast iron

Technical

Electrical & Performance :

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m³/h)	(l/s)	(m)	(kW)	(HP)			
FE 50	1150	15	4.2	4.0	1.1	1.5	50 (2")	38	5.0
	1450*	20	5.6	6.5	1.5	2			6.5
	1750	25	6.9	9.5	3	4			6.5
	2050	28	7.8	13.5	4	5.5			6.5
	2350	32	8.9	18.0	7.5	10			6.5
	2650	35	9.7	23.0	7.5	10			6.5
	2900*	40	11.1	27.0	9.2	12.5			6.5

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m³/h)	(l/s)	(m)	(kW)	(HP)			
FE 100	650	25	6.9	2	0.75	1	80 (3")	63	1.5
	750*	30	8.3	3	1.5	2			1.8
	850	32.5	9.0	4	1.5	2			2.4
	950*	40	11.1	4.5	1.5	2			3.0
	1050	42.5	11.8	5.5	3	4			4.0
	1150	45	12.5	7	4	5.5			4.9
	1250	50	13.9	8	4	5.5			5.5
	1350	52.5	14.6	10	5.5	7.5			5.8
	1450*	55	15.3	11.5	5.5	7.5			6.4
	1550	60	16.7	12.5	7.5	10			6.4
	1650	65	18.1	14.5	11	15			6.7
	1750	70	19.4	16	11	15			6.7
	1850	72.5	20.1	18	15	20			7.6
	1950	75	20.8	20	15	20			7.6
	2050	80	22.2	22.5	18.5	25			7.6
	2150	85	23.6	24.5	18.5	25			7.6

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m³/h)	(l/s)	(m)	(kW)	(HP)			
FE 150	650	40	11.1	3	1.5	2	100 (4")	76	1.5
	750*	45	12.5	4	1.5	2			2.4
	850	53	14.7	5	2.2	3			4.9
	950*	60	16.7	6	3	4			5.8
	1050	65	18.1	7.5	5.5	7.5			6.7
	1150	72	20.0	9	5.5	7.5			7.3
	1250	80	22.2	10.5	7.5	10			7.6
	1350	85	23.6	12.5	11	15			7.6
	1450*	100	27.8	13.5	11	15			7.6
	1550	110	30.6	15.5	15	20			7.6
	1650	115	31.9	18	18.5	25			7.6
	1750	120	33.3	20	22	30			7.6
	1850	130	36.1	22.5	30	40			7.6
	1950	135	37.5	25	30	40			7.6

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m³/h)	(l/s)	(m)	(kW)	(HP)			
FE 300	650	100	27.8	3.5	3	4	150 (6")	76	2.4
	750*	125	34.7	4.5	4	5.5			2.7
	850	150	41.7	5.5	7.5	10			3.6
	950*	160	44.4	7.5	7.5	10			4.2
	1050	180	50.0	9.0	11	15			5.5
	1150	200	55.6	10.0	15	20			6.4
	1250	220	61.1	12.5	22	30			6.4
	1350	230	63.9	15.0	30	40			6.7
	1450*	250	69.4	17.0	30	40			7.0
	1550	280	77.8	18.0	37	50			7.6

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m³/h)	(l/s)	(m)	(kW)	(HP)			
FE 600	650	200	55.6	6	7.5	10	200 (8")	76	2.7
	750*	230	63.9	8	11	15			3.7
	850	260	72.2	10	15	20			4.6
	950*	300	83.3	12	22	30			5.2
	1050	320	88.9	15	30	41			6.1
	1150	350	97.2	18	37	50			6.4
	1250	400	111.1	20	55	75			6.7
	1350	450	125.0	23	75	102			7
	1450*	500	138.9	26	75	102			7

Model	RPM	Q		H	Motor		Inlet & Outlet	Max.Solids (mm)	Max.Suction Head (m)
		(m³/h)	(l/s)	(m)	(kW)	(HP)			
FE 750	650	250	69	6.5	11	15	250 (10")	76	2.1
	750*	300	83	8.5	15	20			3.4
	850	350	97	11	22	30			4.3
	950*	400	111	13	30	41			5.2
	1050	450	125	16	45	61			5.5
	1150	500	139	19	55	75			5.5
	1250	525	146	23	75	102			5.8
	1350	550	153	27	90	122			6.7
	1450*	600	167	31	90	122			6.7

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