

ESD Series

Non Clog Self Priming Centrifugal Pumps



Specification

Power	1 & 125 HP
Speed	650 to 2900 rpm
Version	3Ph 380V, 50Hz
Duty	S1 (continuous)
Insulation Class	IP 68
Head Range	4 to 62 m
Flow Range	41 to 21248 lpm

Materials of Construction

Pump Casing	Cast Iron
Impeller	Ductile Iron
Shaft	40 Cr Alloy Steel
Shaft sleeve	40 Cr Alloy Steel
Seal	Gland Packing / Mechanical seal
Replaceable wear plate	Carbon Steel
Removable cover plate	Cast Iron
Seal plate	Cast Iron

Operating Conditions

Max. Liquid Temp.	7m
Suction lift	110°C
Solid Handling Capacity	40°C

Applications

Industrial & Sewage applications
Municipal Sewage Water
Construction, Mining and Industrial
Dewatering
Portable Dewatering

Performance Table

Impeller Type	Open Double Channel Impeller					
Model	ESD-50D	ESD-80D	ESD-100D	ESD-150D	ESD-200D	ESD-250D
Pump Size	2"x2"	3"x3"	4"x4"	6"x6"	8"x8"	10"x10"
Head Range (m)	4-36	2-35	2-36	2-33	4-34	3-39
Flow Range (lpm)	120-780	41-1760	250-2705	200-5478	664-9960	913-12948
Speed (rpm)	1150-2900	650-2150	650-1950	650-1550	650-1350	650-1450
Power Range (HP)	1-10	1-20	1-30	2-40	7.5-7.5	10-100
Solid Passage (mm)	44.45	63.5	76.2	76.2	76.2	76.2
Max. Suction Lift (m)	7.6	7.6	7.6	7.6	7	6.7

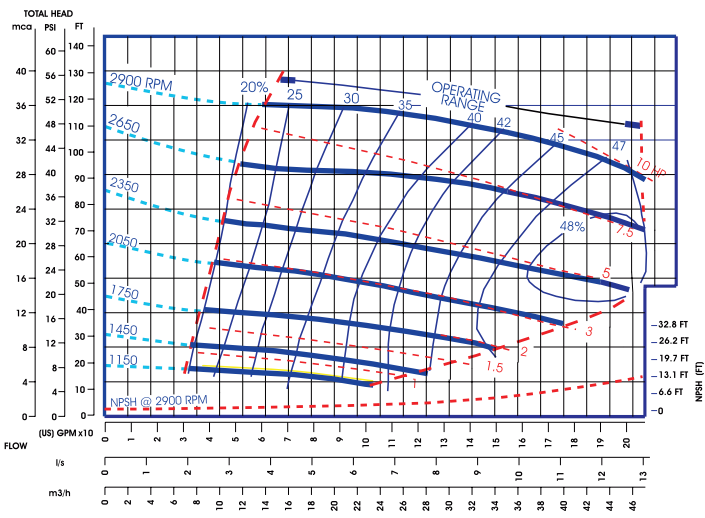
ESD Series

Performance Curve



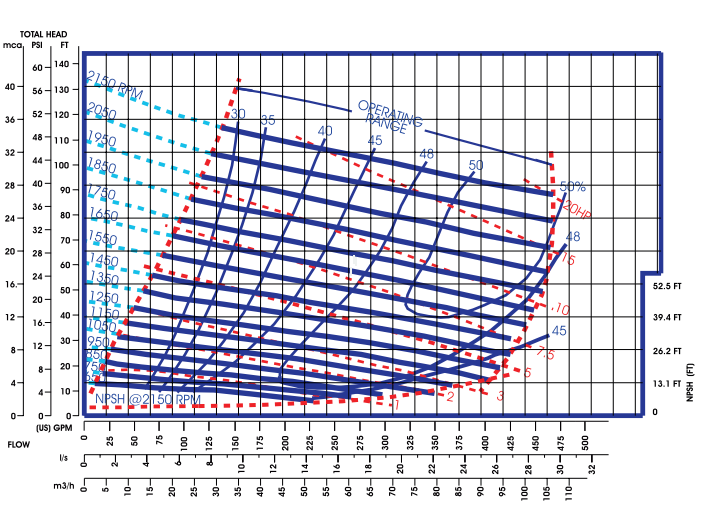
ESD-50D

PERFORMANCE CURVE 2"x2"



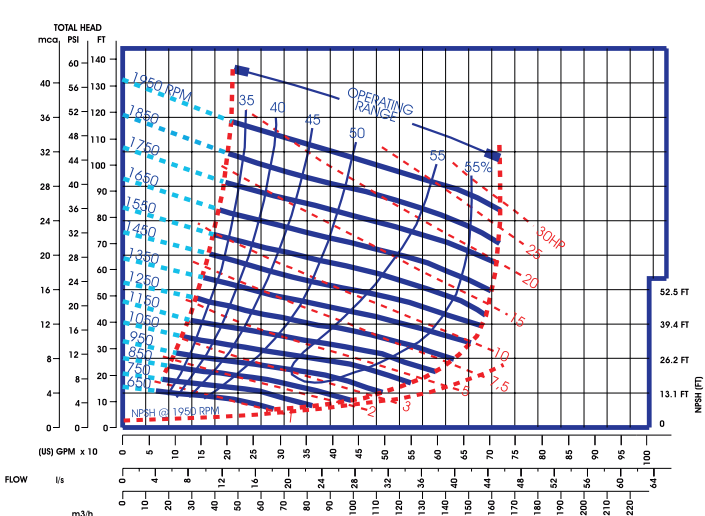
ESD-80D

PERFORMANCE CURVE 3"x3"



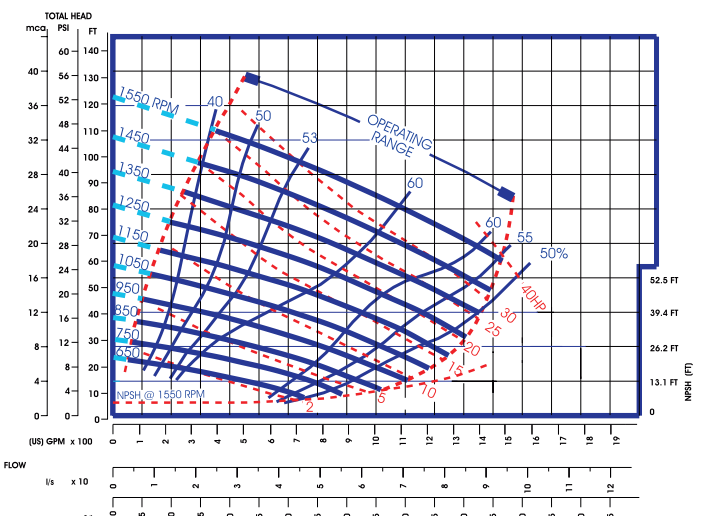
ESD-100D

PERFORMANCE CURVE 4"x4"



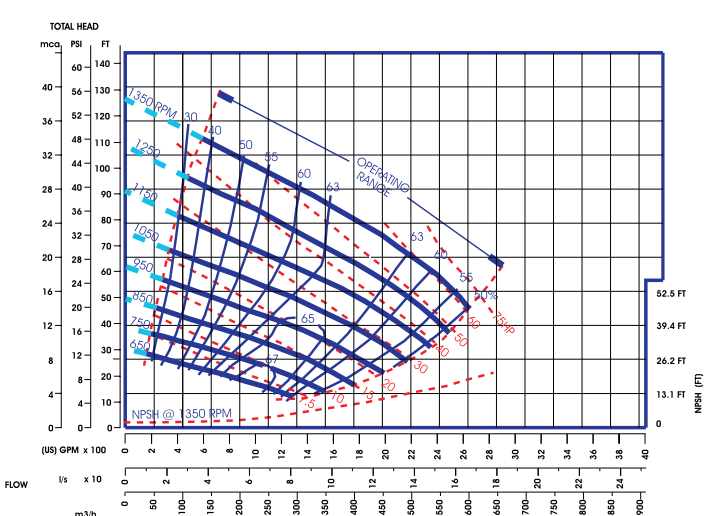
ESD-150D

PERFORMANCE CURVE 6"x6"



ESD-200D

PERFORMANCE CURVE 8"x8"



ESD-250D

PERFORMANCE CURVE 10"x10"

