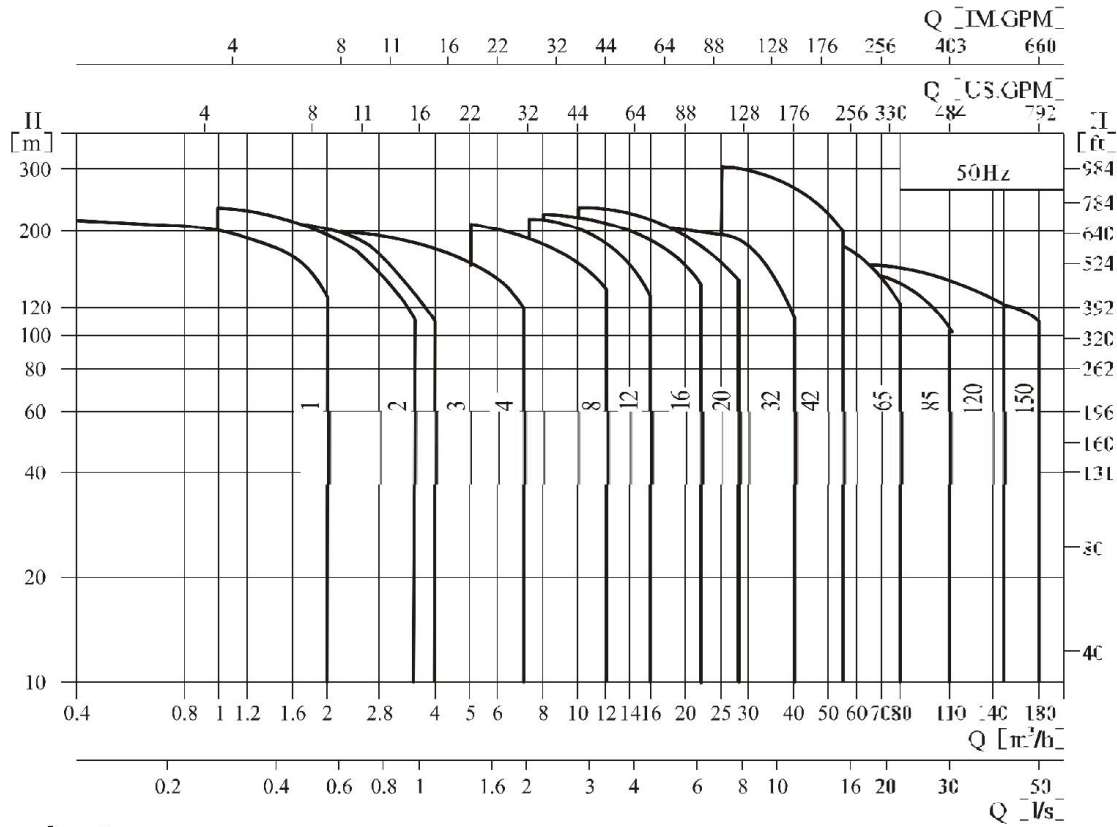


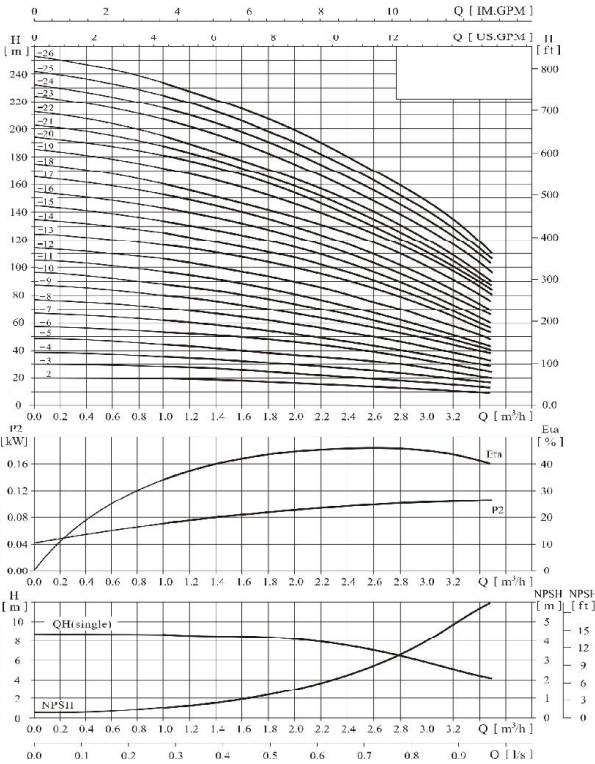
Performance scope



Product range

Description	SHV1	SHV2	SHV3	SHV4	SHV8	SHV12	SHV16	SHV20	SHV32	SHV42	SHV65	SHV85	SHV120	SHV150
Rated flow [m³/h]	1	2	3	4	8	12	16	20	32	42	65	85	120	150
Rated flow [l/s]	0.28	0.56	0.83	1.1	2.2	3.3	4.4	5.6	8.9	11.7	18	24	33	41.6
Flow range [m³/h]	0.4-2	1-3.5	1.2-4	1.5-7	5-12	7-16	8-22	10-28	16-40	25-55	30-80	50-110	60-150	80-180
Flow range [l/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-1.9	1.4-3.3	1.9-4.4	2.2-6.1	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	15.7-41.7	22-50
Max. pressure [bar]	21	23	22	21	21	22	22	23	26	30	22	17	16	16
Motor power [kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.75-7.5	1.5-11	2.2-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75
Temperature range [°C]	-15~+120													
Max. efficiency [%]	44	46	54	59	64	63	66	69	76	78	80	81	74	73
Type														
SHV	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125
Oval Flange	G1	G1	G1	G1¼	G1½									
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125
Cutting ferrule joint	●	●	●	●	●	●	●	●						
Pipe thread	●	●	●	●	●	●	●	●						

Company name: **MOTOLOGY Electric Pte Ltd**
 Respons. Department: 2 Woodlands Sector 1, Singapore 738086
 E-mail address: shaktipumpsg@gmail.com
 Website: shakti-pumps.com



Operating data specification

Nominal flow	m³/h	3
Nominal head	m	76
Static head	m	0
NPSH - value of plant	m	0
Inlet pressure	psi	1.42
Fluid	Water, pure	
Operating temperature t A	°F	68
Density at t A	lb/ft³	62.32
Kin. viscosity at t A	ft²/s	1.082E-5

Pump

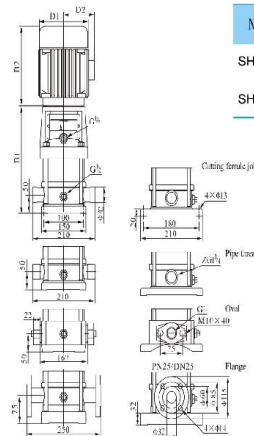
Pump name	SHV 2-18	
Size		
Design		
Speed	rpm	2900
Impeller type		
Flow	Nominal	m³/h 2
	Max-	m³/h 3.5
	Min-	m³/h 1
Head	Nominal	m 136
	Max-	m 161
	Min-	m 76
Head H(Q=0)	m 155	
NPSH 3%	m 2.2	
Max. working pressure	psi 221	
Shaft power	hp 3	
Efficiency	% 46	
Max absorbed power	hp 3.06	

Materials Pump

Shaft	Stainless steel AISI 304
Impeller	Stainless steel AISI 304
Diffuser	Stainless steel AISI 304
Coupling	Carbon steel
Pump head	Cast iron ASTM25B
Impeller sleeve	Stainless steel AISI 304

Dimensions in mm

● **Installation sketch**



● **Size and weight**

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SHV2-15	512	290	802	190	155	36
SHV2-18	566	290	856	190	155	41



Manufacturer / Type			
Rated power	hp	3	Efficiency 4/4
Electric current	A	5.2	Speed rpm
Electric voltage	V	400 V	1~ Hz
Starting mode	Unknown		
Degree of protection	IP 55	Insulation class	F

Remarks:

Project	Project ID	Created by	Created on	Last update
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2014-06-23