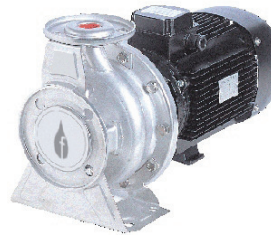


Horizontal Multistage Stainless Steel Single Suction Volute Centrifugal Pumps

GZA / DZA Series

Applications

- ◆ Water supply Systems
- ◆ Pressure Boiler Feeding Systems
- ◆ Pure water treating Systems
- ◆ Pharmaceutical & Food Industries
- ◆ Refining / Chemical Industries
- ◆ Washing & sprinkling Systems
- ◆ Potable water booster Sets



CLOSED COUPLED
GZA Series



CLOSED STUB SHAFT
DZA Series

Working Conditions

Transporting medium	Clean, thin non-explosive liquids
Fluid temperature range	-15°C ~ +80 C
Maximum ambient temperature	+40°C
Maximum working pressure	Upto 10 kg/cm ² g
Axial Suction	Radial Discharge
Mechanical seal working temperatures:	
With NBR/Ceramic/Carbon	-20°C ~ +80 C
With Viton/Ceramic/Carbon	-20°C ~ +110 C
With Silicon Rubber/Ceramic/SS	-20°C ~ +110 C
Pump can be used at full load without overloading motor	

Motor Specifications

Type	T.E.F.C - 2 Pole
Phase	Three phase
Speed	2900 rpm
Frequency	50 Hz
Three phase voltage	415 V (±5%)
Insulation class	F
Protection class	I P 55
Efficiency class	EFF 2
Duty	Continuous
Motor case	Aluminum
Altitude	≤1000 m

Materials of Construction

Pump shaft, casing, impeller & cover	SS304 (Optional SS316L)
Base plate / Adaptor	Cast iron- GCI 25 (GJL-250)
In / Out Flange	GCI 40 (GJS-400)
Standard mechanical seal	NBR / Ceramic / Carbon
Sleeve sealing	NBR O-rings
Connection inline	G-ISO 228 Optional, ANSI B16.1 Class 150

Features

- ◆ CE approved
- ◆ High quality
- ◆ Performance GB 5662 / DIN 24255
- ◆ High reliability
- ◆ Ease in operation
- ◆ Energy efficient
- ◆ For 11kW & higher, IP55 cast iron jacket installed
- ◆ Close coupled complete pump with special motor

Model Ordering Code Instruction

GZA - 65 - 50 7.5 - 160 /

Series	Suction Size	Discharge Size	Impeller Diameter	Motor Power
GZA - Horizontal	50 - 50 mm	32 32 mm	125 425 mm	222 kW
Closed Coupled Centrifugal Pump	65 65 mm	40 40 mm	160 460 mm	330 kW
DZA - Horizontal	50 60 mm	50 60 mm	200 200 mm	440 kW
Closed Stub Shaft Centrifugal Pump				555 kW
				755 kW
				992 kW
				111 kW
				115 kW

WATER MANAGEMENT SYSTEM

Shah Pneumatics

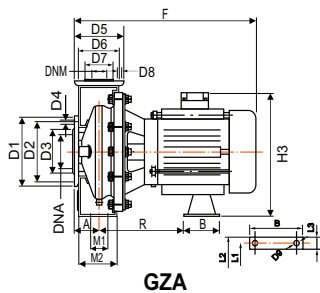
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 Telephone: +91-22-6695 1090-94. Facsimile: +91-22-2687 5317
 Email: shahpneu@bom3.vsnl.net.in
 Website: www.shah-pneumatics.com



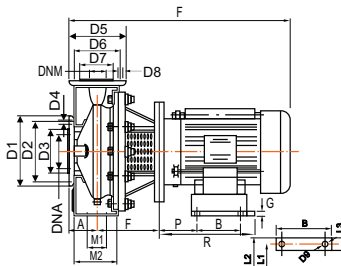
Horizontal Multistage Stainless Steel Single Suction Volute Centrifugal Pumps

GZA / DZA Series

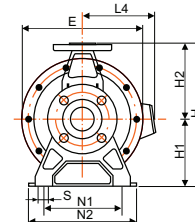
Outline Diagrams



GZA



DZA



SIDE VIEW OF GZA / DZA

Dimensions for GZA

Model	Dimensions (mm)																										Weight Kg.		
	E	F±2	H	H1	H2	H3	A	M1	M2	N1	N2	S	B	R	L1	L2	L3	L4	D1	D2	D3	D4	D5	D6	D7	D8		D9	DNA
GZA 50-32-125/2.2244	490	292	132	160	272	80	70	118	190	240	15	42	225	-	-	-	-	165	125	99	18	140	100	76	18	-	50	32	29.8
GZA 50-32-160/2.2244	490	292	132	160	272	80	70	118	190	240	15	42	225	-	-	-	-	165	125	99	18	140	100	76	18	-	50	32	30
GZA 50-32-160/3.0244	519	292	132	160	282	80	70	118	190	240	15	38	241	-	-	-	-	165	125	99	18	140	100	76	18	-	50	32	38.5
GZA 50-32-200/4.0295	516	340	160	180	310	80	70	118	190	240	15	48	238	-	-	-	-	165	125	99	18	140	100	76	18	-	50	32	43.8
GZA 50-32-200/5.5295	572	340	160	180	317	80	70	118	190	240	15	-	202	216	248	140	-	165	125	99	18	140	100	76	18	14	50	32	64.8
GZA 65-40-125/2.2244	487	292	132	160	272	80	70	118	190	240	15	42	222	-	-	-	-	185	145	118	18	165	125	99	18	-	65	40	30.4
GZA 65-40-125/3.0244	516	292	132	160	282	80	70	118	190	240	15	38	238	-	-	-	-	185	145	118	18	165	125	99	18	-	65	40	38.8
GZA 65-40-160/4.0244	516	292	132	160	282	80	70	118	190	240	15	48	238	-	-	-	-	185	145	118	18	165	125	99	18	-	65	40	64.8
GZA 65-40-160/5.5244	572	292	132	160	289	80	70	118	190	240	15	-	202	216	248	140	-	185	145	118	18	150	125	99	18	14	65	40	42
GZA 65-40-200/7.5295	592	340	160	180	317	100	70	136	212	265	15	-	202	216	248	140	-	185	145	118	18	150	110	84	18	14	65	40	63
GZA 65-40-200/9.2295	630	340	160	180	317	100	70	136	212	265	15	-	202	216	248	140	-	185	145	118	18	185	110	84	18	14	65	40	71.2
GZA 65-50-125/4.0244	546	340	160	180	310	100	70	142	212	265	15	48	243	-	-	-	-	200	160	132	18	185	145	118	18	-	65	50	43.8
GZA 65-50-125/5.5244	602	340	160	180	317	100	70	142	212	265	15	-	202	216	248	140	-	200	160	132	18	185	145	118	18	14	65	50	64.8
GZA 65-50-160/7.5244	602	340	160	180	317	100	70	142	212	265	15	-	202	216	248	140	-	200	160	132	18	185	145	118	18	14	65	50	71.2
GZA 65-50-160/9.2244	640	340	160	180	317	100	70	142	212	265	15	-	202	216	248	140	-	200	160	132	18	185	145	118	18	14	65	50	76.7
GZA 65-50-200/11.0295	696	360	160	200	385	100	70	140	212	265	15	-	215.5	254	330	210	265	200	160	132	18	165	125	99	18	15	65	50	135
GZA 65-50-200/15.0295	696	360	160	200	385	100	70	140	212	265	15	-	215.5	254	330	210	265	200	160	132	18	165	125	99	18	15	65	50	146

Dimensions for DZA

Model	Dimensions (mm)																										Weight Kg.			
	E	F	H	H1	H2	A	M1	M2	N1	N2	S	L1	L2	L3	G	F	R	B	P	D1	D2	D3	D4	D5	D6	D7		D8	D9	DNA
DZA 50-32-125/2.244	495	292	132	160	80	70	118	190	240	15	140	180	36	15	130	219	199	-	165	125	99	18	140	100	76	18	10	50	32	29.8
DZA 50-32-160/2.244	495	292	132	160	80	70	118	190	240	15	140	180	36	15	130	219	199	-	165	125	99	18	140	100	76	18	10	50	32	30
DZA 50-32-160/3.0244	544	292	132	160	80	70	118	190	240	15	160	205	40	15	142	240	215	-	165	125	99	18	140	100	76	18	12	50	32	38.5
DZA 50-32-200/4.0295	562	340	160	180	80	70	118	190	240	15	190	245	50	15	142	247	215	-	165	125	99	18	140	100	76	18	12	50	32	43.8
DZA 50-32-200/5.5295	640	340	160	180	80	70	118	190	240	15	216	280	60	15	165	276	235	-	165	125	99	18	140	100	76	18	10	50	32	64.8
DZA 65-40-125/2.244	492	292	132	160	80	70	118	190	240	15	140	180	36	15	130	219	199	-	185	145	118	18	150	110	84	18	12	65	40	30.4
DZA 65-40-125/3.0244	542	292	132	160	80	70	118	190	240	15	160	205	40	15	142	240	215	-	185	145	118	18	150	110	84	18	12	65	40	38.8
DZA 65-40-160/4.0244	562	292	132	160	80	70	118	190	240	15	190	245	50	15	142	247	215	-	185	145	118	18	150	110	84	18	12	65	40	64.8
DZA 65-40-160/5.5244	630	292	132	160	80	70	118	190	240	15	216	280	60	15	165	-	235	89	185	145	118	18	150	110	84	18	12	65	40	42
DZA 65-40-200/7.5295	660	340	160	180	100	70	136	212	265	15	216	280	60	15	165	276	235	-	185	145	118	18	150	110	84	18	12	65	40	63
DZA 65-40-200/9.2295	770	340	160	180	100	70	136	212	265	15	216	280	60	15	165	314	273	-	185	145	118	18	150	110	84	18	12	65	40	71.2
DZA 65-50-125/4.0244	592	340	132	160	100	70	142	212	265	15	190	245	50	15	142	247	215	-	185	145	118	18	165	125	99	18	12	65	50	43.8
DZA 65-50-125/5.5244	660	340	132	160	100	70	142	212	265	15	216	280	60	15	165	-	235	89	185	145	118	18	165	125	99	18	12	65	50	64.8
DZA 65-50-160/7.5244	660	340	160	180	100	70	142	212	265	15	216	280	60	15	165	276	215	-	185	145	118	18	165	125	99	18	12	65	50	71.2
DZA 65-50-160/9.244	770	340	160	180	100	70	142	212	265	15	216	280	60	15	165	314	273	-	185	145	118	18	165	125	99	18	12	65	50	76.7
DZA 65-50-200/11.0295	788	360	160	200	100	70	140	212	265	15	254	325	70	20	198	-	270	108	185	145	118	18	165	125	99	18	15	65	50	135
DZA 65-50-200/15.0295	788	360	160	200	100	70	140	212	265	15	254	325	70	20	198	-	270	108	185	145	118	18	165	125	99	18	15	65	50	146



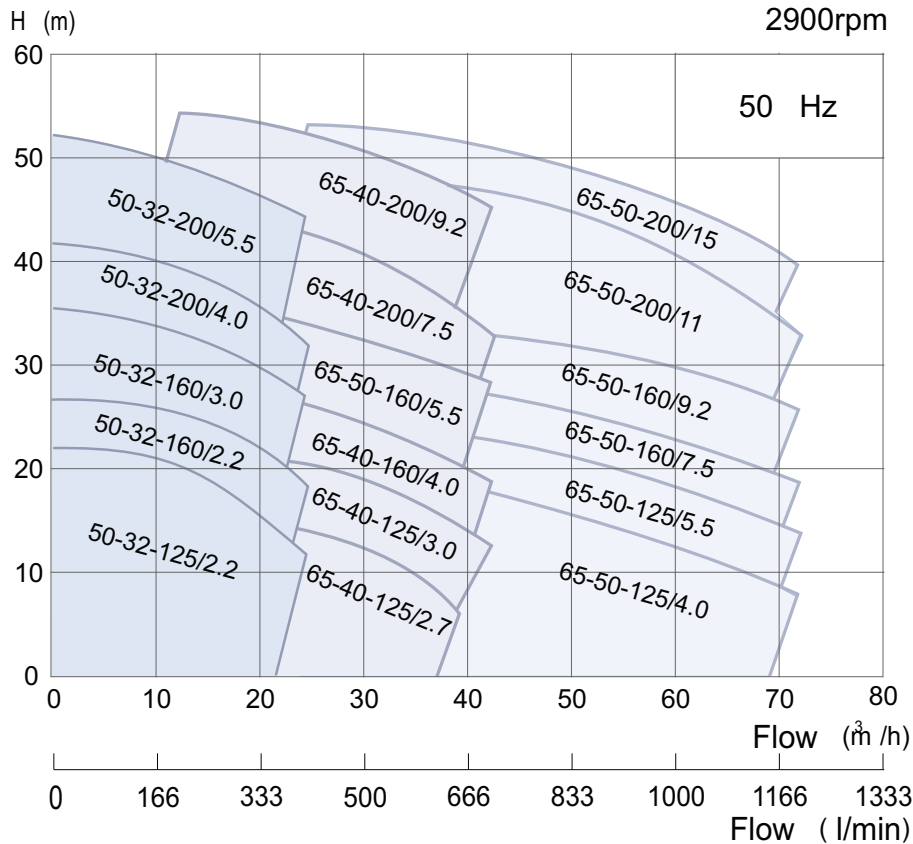
Horizontal Multistage Stainless Steel Single Suction Volute Centrifugal Pumps

GZA / DZA Series

Performance Data

Model			Power		Flow Capacity (m ³ /hr)	Head (m)	Suction Size (mm)	Discharge Size (mm)	Flow															
Three Phase 415 V			kW	HP					m ³ /hr	3.0	6.0	9.0	12	15	18	20	24	27	30	33	36	39	42	48
GZA Series	DZA Series	Amp																						
GZA-50-32-125/2.2	DZA-50-32-125/2.2	4.58	2.2	3.0	12.5	20	50	32																
GZA-50-32-160/2.2	DZA-50-32-160/2.2	4.58	2.2	3.0	10	25	50	32																
GZA-50-32-160/3.0	DZA-50-32-160/3.0	5.83	3.0	4.0	12.5	32	50	32																
GZA-50-32-200/4.0	DZA-50-32-200/4.0	7.90	4.0	5.5	10	40	50	32																
GZA-50-32-200/5.5	DZA-50-32-200/5.5	10.8	5.5	7.5	12.5	50	50	32																
GZA-65-40-125/2.2	DZA-65-40-125/2.2	4.58	2.2	3.0	20	15	65	40																
GZA-65-40-125/3.0	DZA-65-40-125/3.0	5.83	3.0	4.0	25	20	65	40																
GZA-65-40-160/4.0	DZA-65-40-160/4.0	7.90	4.0	5.5	20	27	65	40																
GZA-65-40-160/5.5	DZA-65-40-160/5.5	10.8	5.5	7.5	25	32	65	40																
GZA-65-40-200/7.5	DZA-65-40-200/7.5	14.9	7.5	10.0	20	42	65	40																
GZA-65-40-200/9.2	DZA-65-40-200/9.2	18.8	9.2	12.5	25	50	65	40																
GZA-65-50-125/4.0	DZA-65-50-125/4.0	7.90	4.0	5.5	40	18	65	50																
GZA-65-50-125/5.5	DZA-65-50-125/5.5	10.8	5.5	7.5	50	20	65	50																
GZA-65-50-160/7.5	DZA-65-50-160/7.5	14.9	7.5	10.0	40	28	65	50																
GZA-65-50-160/9.2	DZA-65-50-160/9.2	18.8	9.0	12.5	50	32	65	50																
GZA-65-50-200/11.0	DZA-65-50-200/11.0	21.1	11.0	15.0	40	47	65	50																
GZA-65-50-200/15.0	DZA-65-50-200/15.0	28.9	15.0	20.0	50	50	65	50																

Superimposed Performance Curve





Horizontal Multistage Stainless Steel Single Suction Volute Centrifugal Pumps

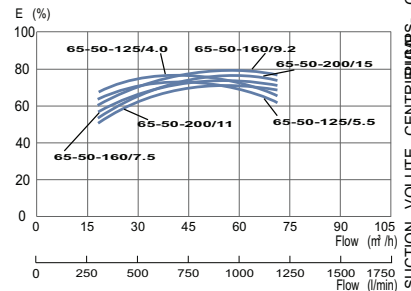
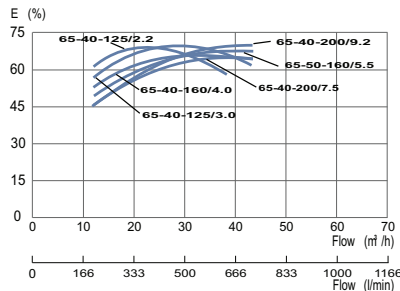
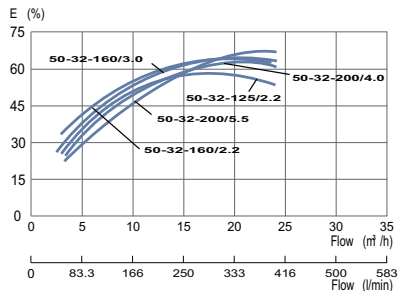
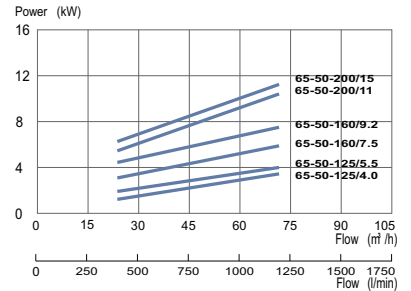
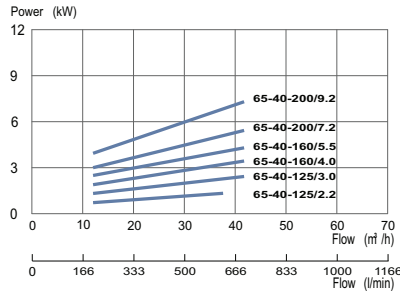
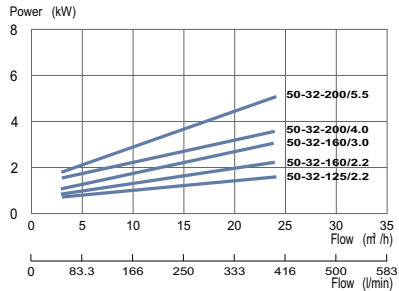
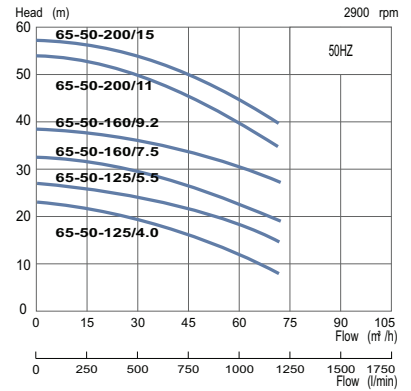
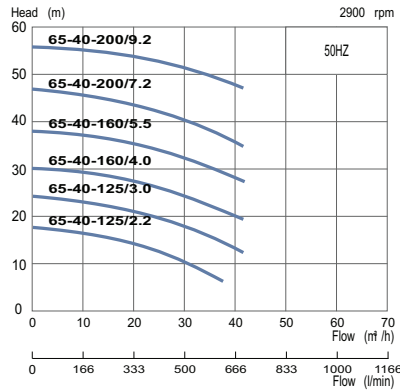
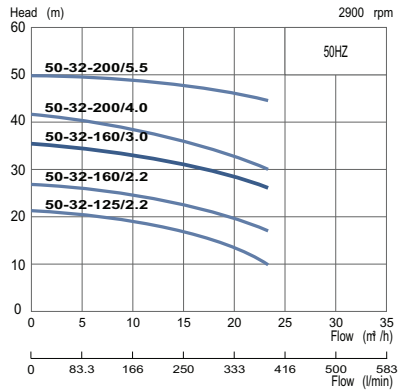
GZA / DZA Series

Performance Curves

GZA / DZA - 50-32

GZA / DZA - 65-40

GZA / DZA - 65-50



Water test temp: ° 20 C

Performance Limits: ISO2548

Std Class C pu

WATER

MANAGEMENT

Shah Pneumatics

Regd. Office: 28-30 Navketan Indl. Estate, Mahakali Caves Road,
 Andheri (East), Mumbai- 400 093. INDIA.
 Telephone: +91-22-6695 1090-94. Facsimile: +91-22-2687 5317
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 Website: www.shah-pneumatics.com

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