

YST

Standard Centrifugal Pump



Standard Centrifugal Pump

Structural Features

- EN733 standard centrifugal pump casing dimensions
- Cast iron pump body , flange connection
- Cast iron butt flange in accordance with ISO228/1
- Impeller: cast iron or 304 stainless steel
- Motor: Insulation class F
Protection class IP55

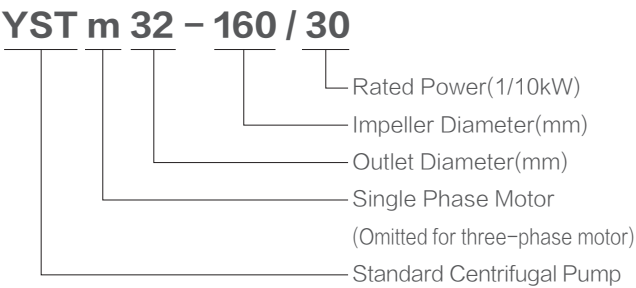
Main Application

- Water Supply
- Pressurization
- Irrigation
- Central air conditioning circulation
- Fire water supply
- Industrial water
- Agricultural water

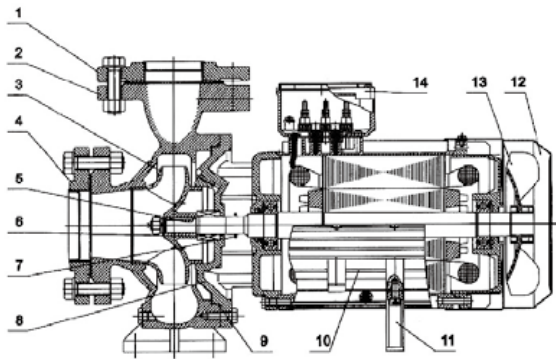
Operating Conditions

- Delivery: up to 220m³/ h
- Head: up to 95m
- Suction: up to 7m
- Liquid Temperature : – 10 °C – 90 °C
- Ambient Temperature: – 10 °C – 40 °C
- Max. Operating Pressure: 10bar (PN 10)
- Allowed motor to operate continuously for a long time: S1

Model Implication



Structure



No.	Part	No.	Part	No.	Part	No.	Part
1	Outlet Flange	5	Flat Keys	9	O-Ring	13	Fan
2	Pump Body	6	Mechanical Seal	10	Motor	14	Terminal Box
3	Impeller	7	Water Retaining Ring	11	Support Foot		
4	Inlet Flange	8	Connection	12	Fan Cover		

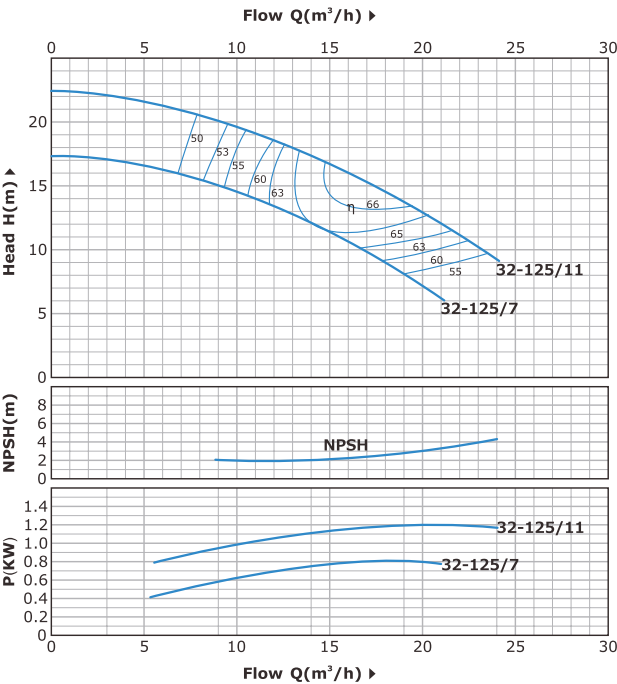
Technical Parameter

Model	Power		l/min	Flow Q=DELIVERY																				DN
	kW	HP		m³/h	0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500	mm
			0		6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210		
32-125/07	0.75	1	Head (m)	17.5	16.7	15	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-125/11	1.1	1.5		22	21	19.7	16.5	14.5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-160/15	1.5	2		25.4	23.7	22.5	18.5	15.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-160/22	2.2	3		31	29.6	28.5	24.5	22	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-160/30	3	4		35	34.3	32.5	28	25.5	19	15	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-200/30	3	4		44.2	42	39.8	35.2	32.2	24.6	19.8	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-200/40	4	5.5		54.5	52	50	45.5	42.3	35	30.3	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-250/55	5.5	7.5		60	59.5	59	55	50.2	34.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-250/75	7.5	10		69.5	69	68.5	66	63	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-250/92	9.2	12.5		75	75	74.5	72	69	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-250/110	11	15		90	89.5	88	82	78	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
32-250/150	15	20		97	96.5	96	90	86	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x32
40-125/11	1.1	1.5		14.7	-	-	-	13	11.5	10.1	5.8	-	-	-	-	-	-	-	-	-	-	-	-	65x40
40-125/15	1.5	2.2		18.1	-	-	-	17	15	13.9	10	6	-	-	-	-	-	-	-	-	-	-	-	65x40
40-125/22	2.2	3		24.5	-	-	-	23.2	21.5	20.2	16	13	8.3	-	-	-	-	-	-	-	-	-	-	65x40
40-160/30	3	4		31.8	-	-	-	29.5	27.5	26.3	21.5	17.5	-	-	-	-	-	-	-	-	-	-	-	65x40
40-160/40	4	5.5		38	-	-	-	36	34	33	28.5	25	20.1	-	-	-	-	-	-	-	-	-	-	65x40
40-200/55	5.5	7.5		46	-	-	-	43.8	41.3	40.1	35	30	-	-	-	-	-	-	-	-	-	-	-	65x40
40-200/75	7.5	10		57	-	-	-	53.6	51.5	50	45	41	36.5	-	-	-	-	-	-	-	-	-	-	65x40
40-250/92	9.2	12.5		64	-	-	-	59	56.5	55	49.5	45	39.8	-	-	-	-	-	-	-	-	-	-	65x40
40-250/110	11	15		72	-	-	-	67.5	65	63.5	57.5	52.2	47	-	-	-	-	-	-	-	-	-	-	65x40
40-250/150	15	20		84.5	-	-	-	79.3	77.3	75.2	70	66	61	-	-	-	-	-	-	-	-	-	-	65x40
40-250/185	18.5	25		90	-	-	-	85.5	82.8	80.7	75.8	70.5	66.5	-	-	-	-	-	-	-	-	-	-	65x40
50-125/22	2.2	3		17	-	-	-	-	-	-	15.4	14	12.8	11.5	6.5	-	-	-	-	-	-	-	65x50	
50-125/30	3	4		20	-	-	-	-	-	-	18.8	18	17	15.6	11	-	-	-	-	-	-	-	65x50	
50-125/40	4	5.5		24	-	-	-	-	-	-	23.1	23	21.5	20.3	15.8	11.8	-	-	-	-	-	-	65x50	
50-160/55	5.5	7.5		32	-	-	-	-	-	-	30.6	30.0	28.0	26.6	20.5	14.8	-	-	-	-	-	-	65x50	
50-160/75	7.5	10		40	-	-	-	-	-	-	38	37	36	34.4	29	24	21	-	-	-	-	-	65x50	

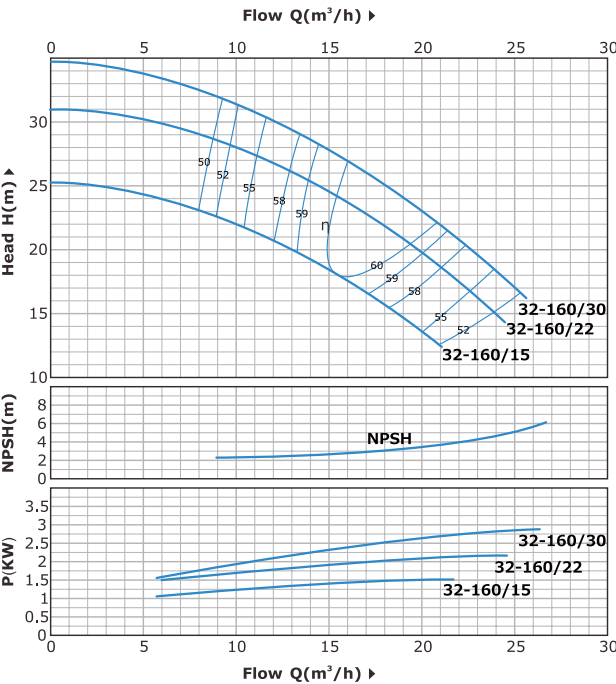
Technical Parameter

Model	Power		l/min	Flow Q=DELIVERY																		DN	
				0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500	
	kW	HP	m³/h	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210	mm
50-200/92	9.2	12.5		50.5	-	-	-	-	-	-	46.8	45	43	40.9	32.5	26.7	-	-	-	-	-	-	65x50
50-200/110	11	15		57.5	-	-	-	-	-	-	53.5	52	50	47.5	40	34	29	-	-	-	-	-	65x50
50-200/150	15	20		62	-	-	-	-	-	-	58	56.5	54.5	52	44.5	39	35.5	-	-	-	-	-	65x50
50-250/150	15	20		68.5	-	-	-	-	-	-	64	63	61.5	59	50	41	-	-	-	-	-	-	65x50
50-250/185	18.5	25		79	-	-	-	-	-	-	75.8	74.8	74	71.5	63.5	55.5	47	-	-	-	-	-	65x50
50-250/220	22	30		89.5	-	-	-	-	-	-	86	85.3	84	81.5	73.5	63.5	57	-	-	-	-	-	65x50
65-125/40	4	5.5		19	-	-	-	-	-	-	-	-	17.3	16.8	14.5	13	11.8	-	-	-	-	-	80x65
65-125/55	5.5	7.5		23	-	-	-	-	-	-	-	-	21.3	20.9	19	17.5	16.7	13.7	-	-	-	-	80x65
65-125/75	7.5	10		27	-	-	-	-	-	-	-	-	26	25.6	24.5	23	22.5	20	18	-	-	-	80x65
65-160/92	9.2	12.5		33	-	-	-	-	-	-	-	-	-	31.5	30	28	27.1	24	21.5	-	-	-	80x65
65-160/110	11	15		36	-	-	-	-	-	-	-	-	-	34.5	33	31.5	30.8	28	25.5	-	-	-	80x65
65-160/150	15	20		42	-	-	-	-	-	-	-	-	-	41	40	38.5	37.8	35	33	29.5	-	-	80x65
65-200/150	15	20		45	-	-	-	-	-	-	-	-	-	45.5	43	41	40.2	36.5	34	-	-	-	80x65
65-200/185	18.5	25		52	-	-	-	-	-	-	-	-	-	52.3	51	49	48.2	44.5	42	-	-	-	80x65
65-200/220	22	30		59	-	-	-	-	-	-	-	-	-	59.5	58	56	55	52	49.5	44.5	-	-	80x65
65-250/220	22	30		64.8	-	-	-	-	-	-	-	-	-	64.7	62	60	58.5	53	50	-	-	-	80x65
80-125/40	4	5.5		17	-	-	-	-	-	-	15	12.3	7.5	-	-	-	-	-	-	-	-	-	100x80
80-125/55	5.5	7.5		21	-	-	-	-	-	-	19.6	17.4	13.4	9.5	-	-	-	-	-	-	-	-	100x80
80-125/75	7.5	10		26	-	-	-	-	-	-	24.8	23	19.5	16.5	-	-	-	-	-	-	-	-	100x80
80-160/110	11	15		28	-	-	-	-	-	-	27	27.3	24.5	21.1	16	-	-	-	-	-	-	-	100x80
80-160/150	15	20		34	-	-	-	-	-	-	32.6	32.5	30.2	27	22.1	18.5	16.7	-	-	-	-	-	100x80
80-160/185	18.5	25		39	-	-	-	-	-	-	38.5	38	36.7	33.6	28.8	25.3	23.5	-	-	-	-	-	100x80
80-160/220	22	30		44	-	-	-	-	-	-	43.5	43	41.7	38.6	33.8	30.3	28.5	-	-	-	-	-	100x80
80-200/220	22	30		48	-	-	-	-	-	-	47.7	47.5	43.5	39.2	32.5	27.2	24.5	-	-	-	-	-	100x80
100-160/150	15	20		35	-	-	-	-	-	-	33.5	32.5	30	27.8	24.5	21.5	20	18.3	15	-	-	-	125x100
100-160/185	18.5	25		38.5	-	-	-	-	-	-	37.5	36.5	34.3	32.2	29	25.7	24	22	18	-	-	-	125x100
100-160/22	22	30		43	-	-	-	-	-	-	41	40	37.6	35.2	31.5	28.5	27	25.3	22	-	-	-	125x100
100-200/220	22	30		38.5	-	-	-	-	-	-	36.7	35.7	33.8	31.7	28.5	26.8	26	25	22.9	16.3	-	-	125x100

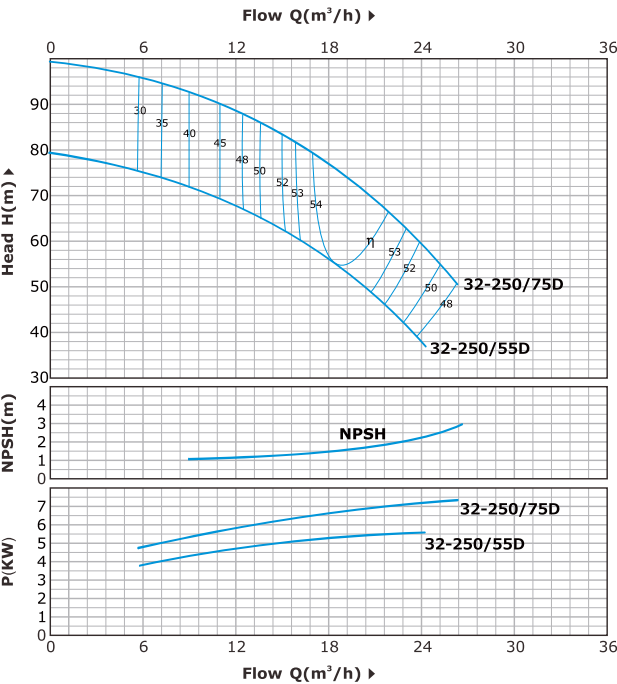
32-125 –2900r/min Performance curve



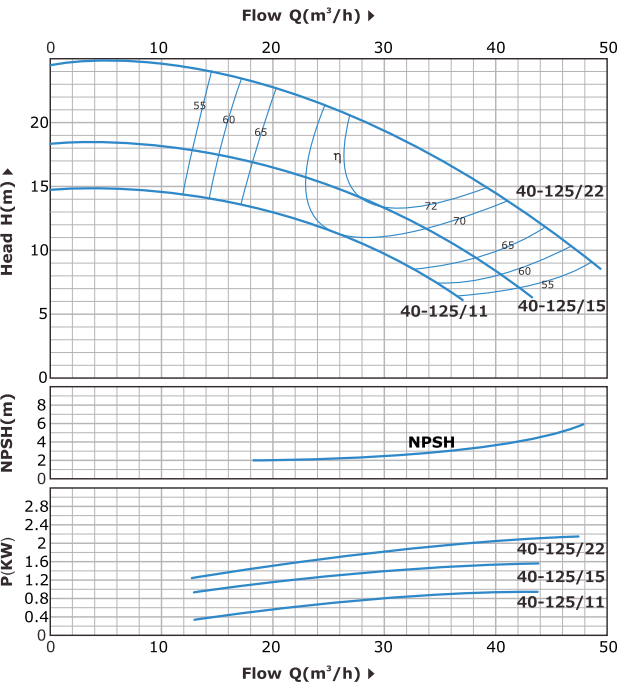
32-160 –2900r/min Performance curve



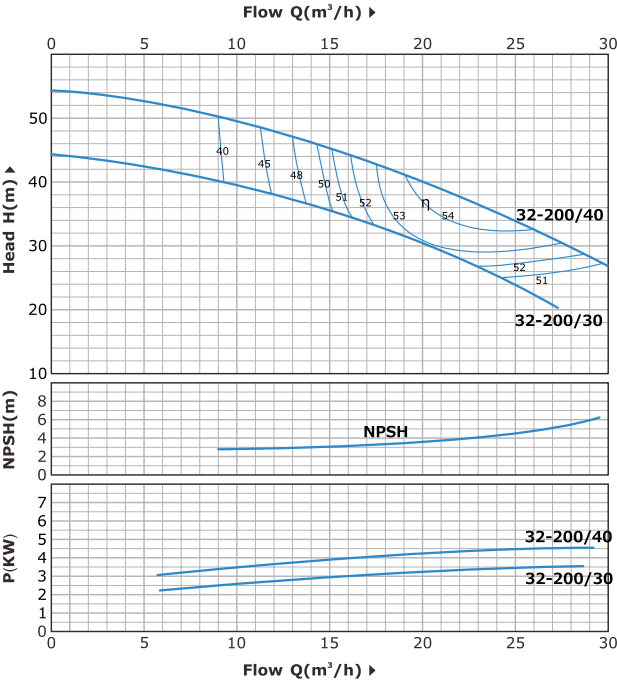
32-250D –2900r/min Performance curve



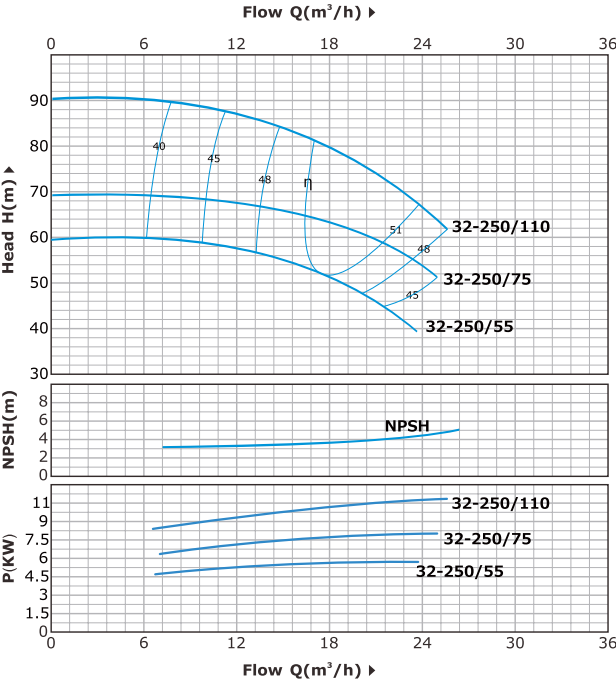
40-125 –2900r/min Performance curve



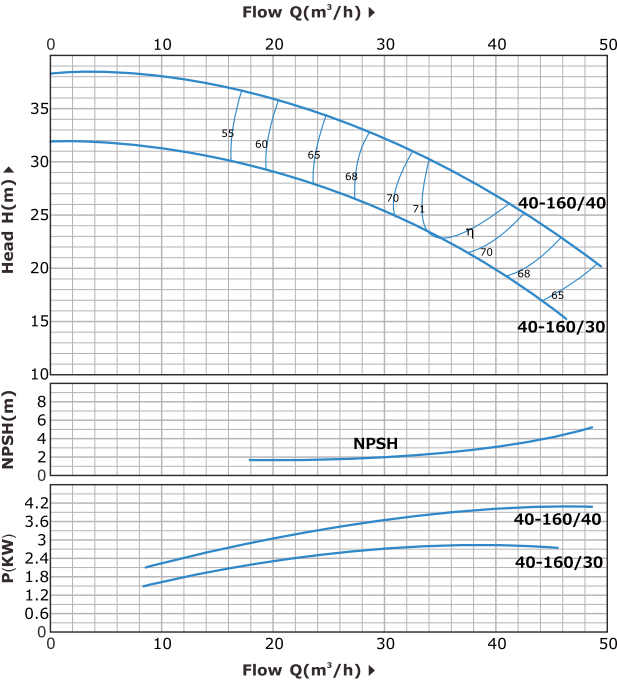
32-200 –2900r/min Performance curve



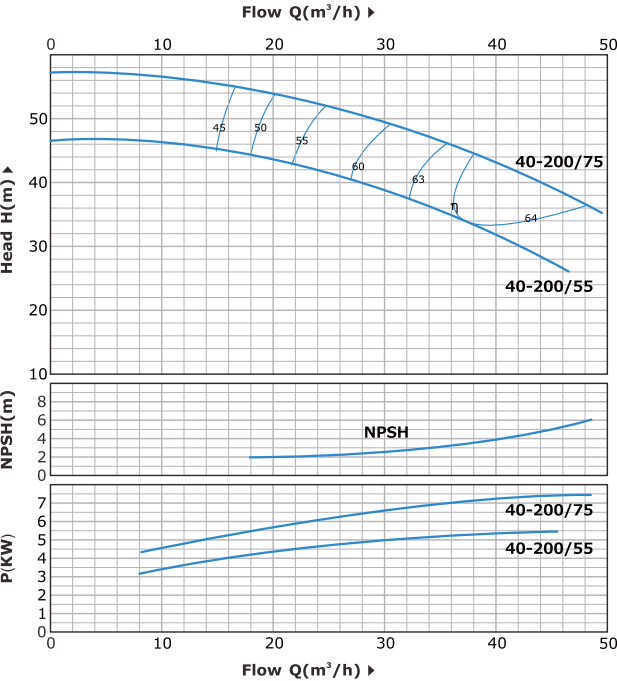
32-250 –2900r/min Performance curve



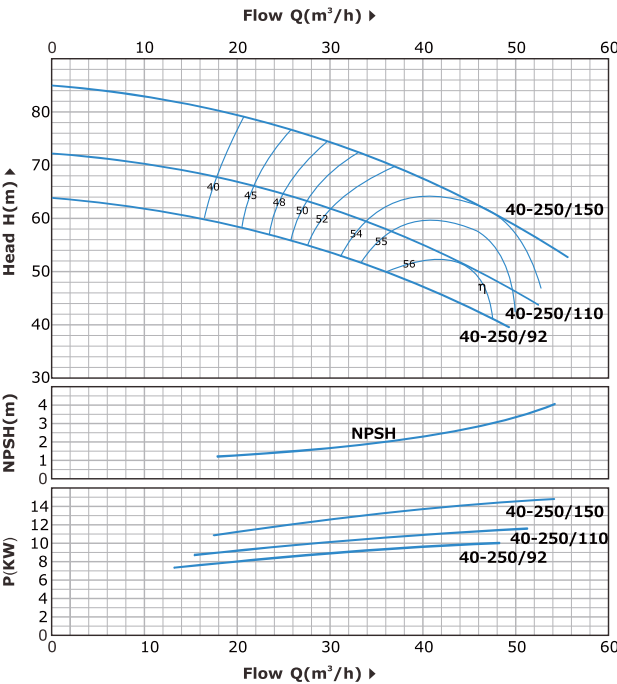
40-160 –2900r/min Performance curve



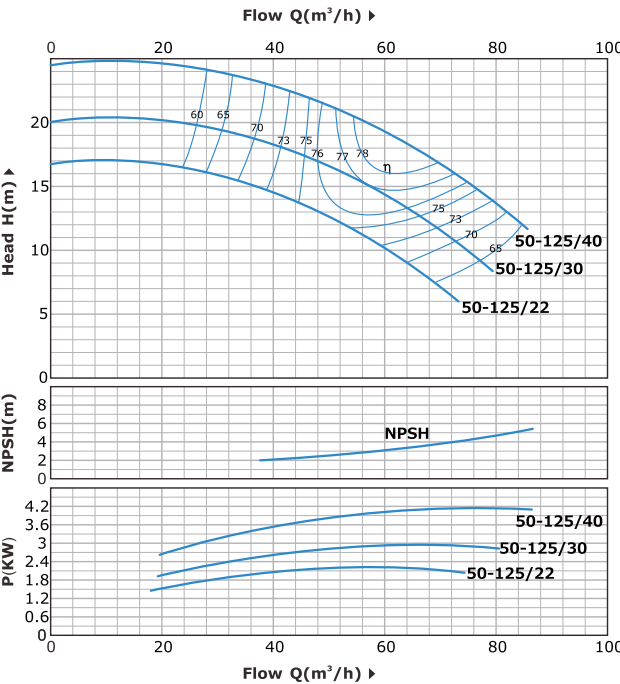
40-200 –2900r/min Performance curve



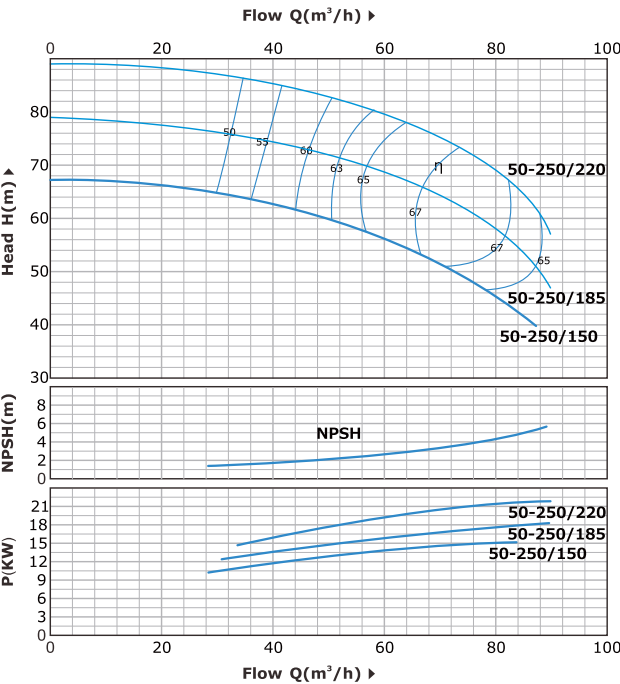
40-250 -2900r/min Performance curve



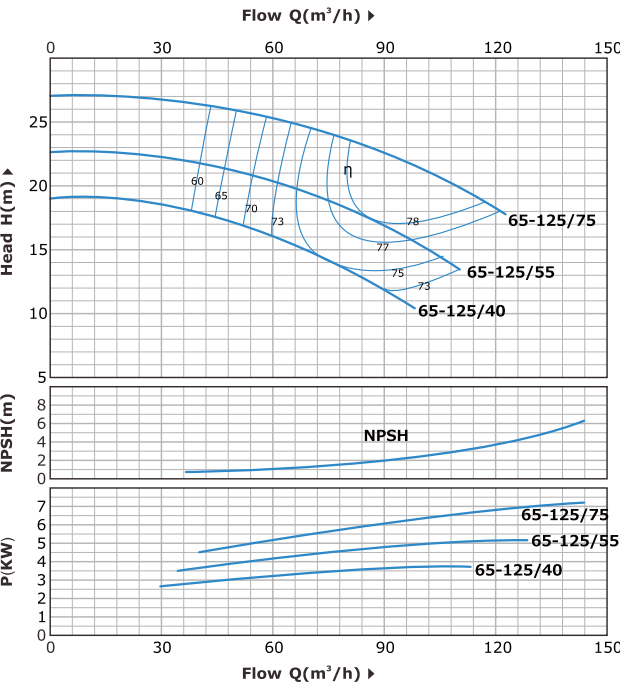
50-125 -2900r/min Performance curve



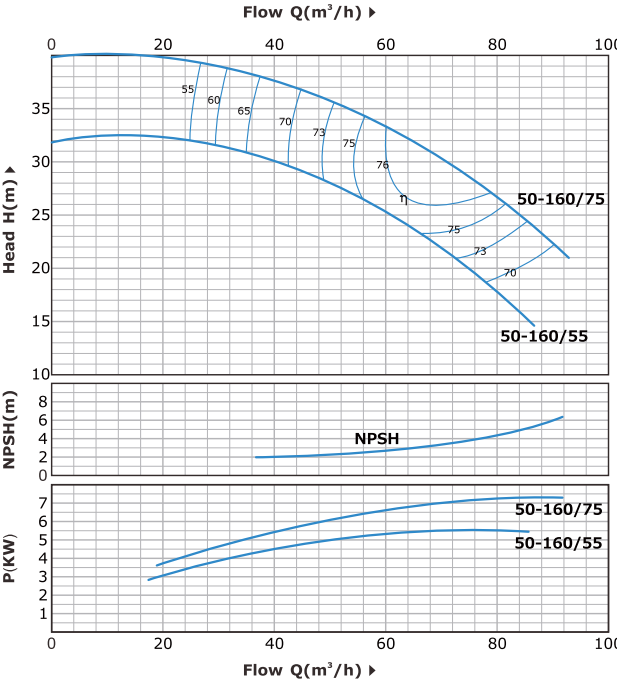
50-250 -2900r/min Performance curve



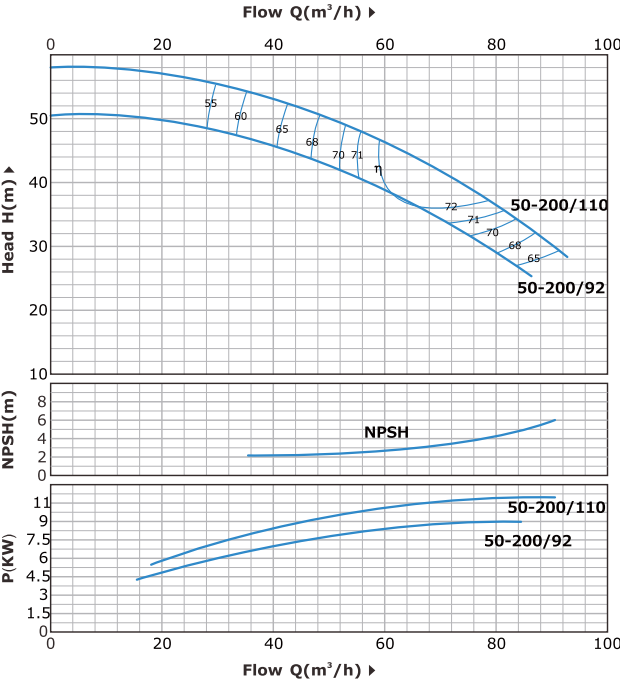
65-125 -2900r/min Performance curve



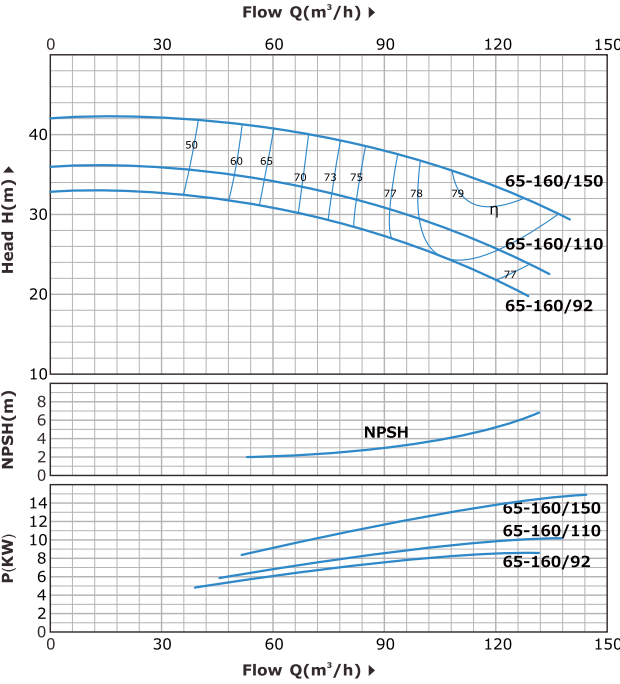
50-160 -2900r/min Performance curve



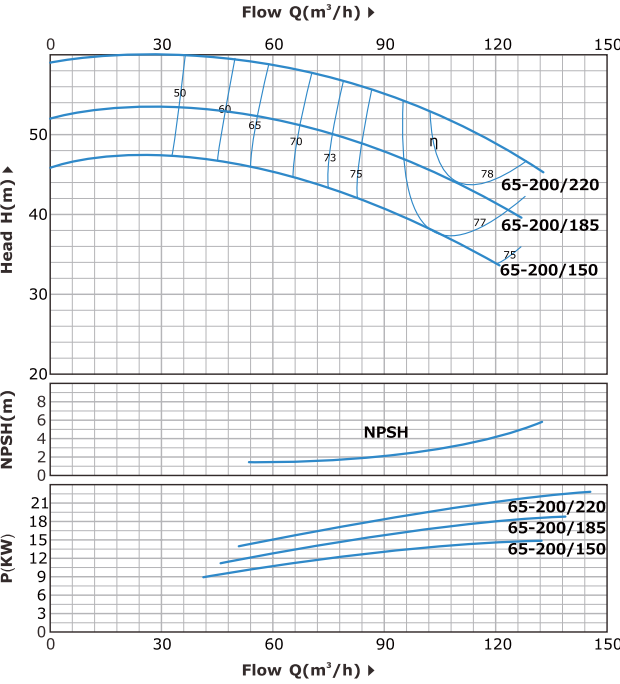
50-200 -2900r/min Performance curve



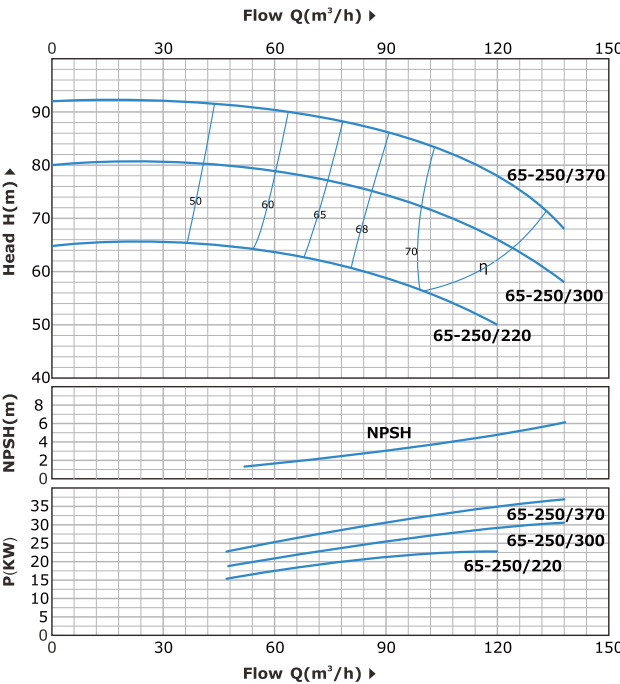
65-160 -2900r/min Performance curve



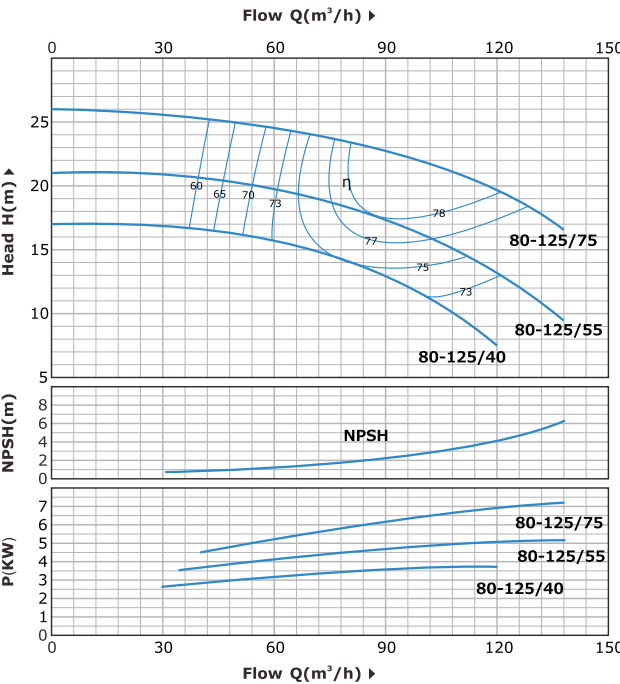
65-200 -2900r/min Performance curve



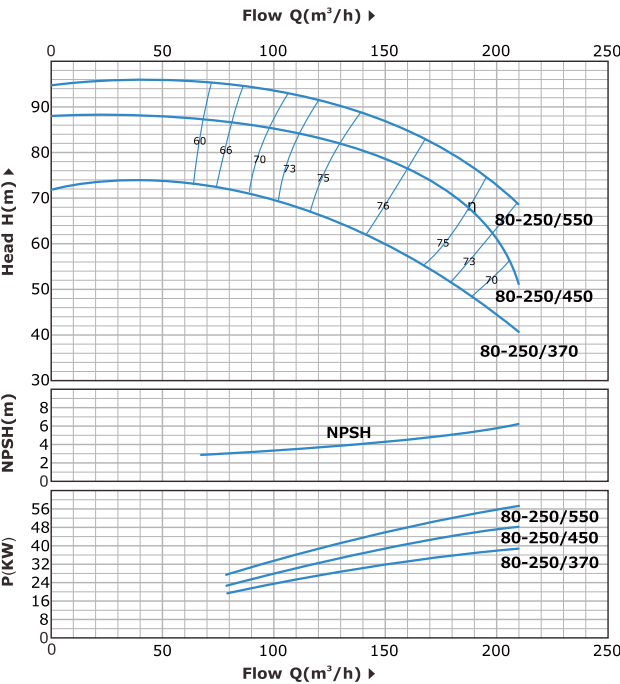
65-250 -2900r/min Performance curve



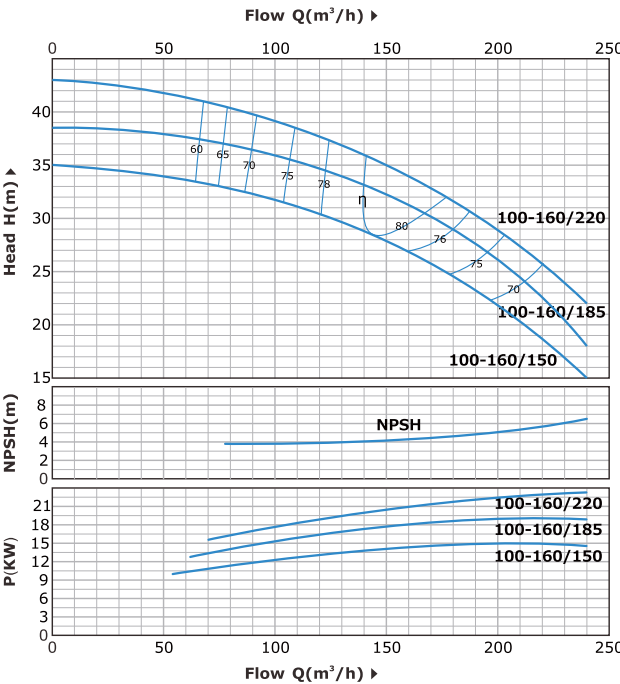
80-125 -2900r/min Performance curve



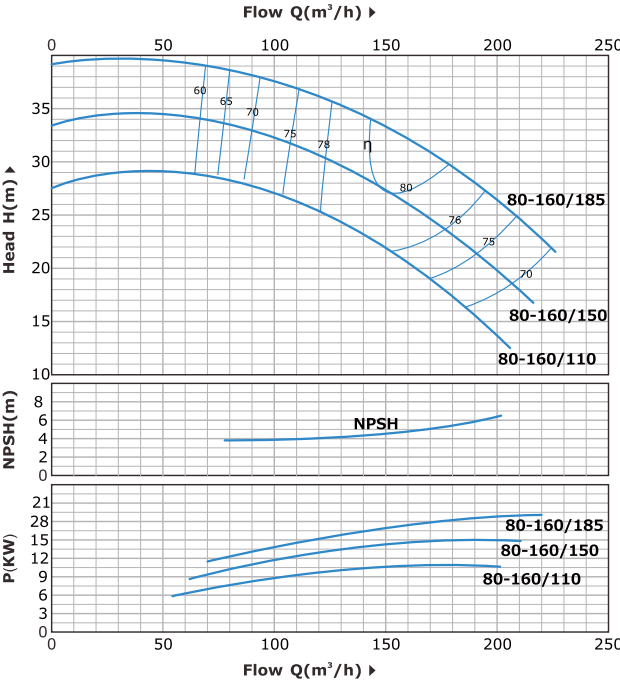
80-250 -2900r/min Performance curve



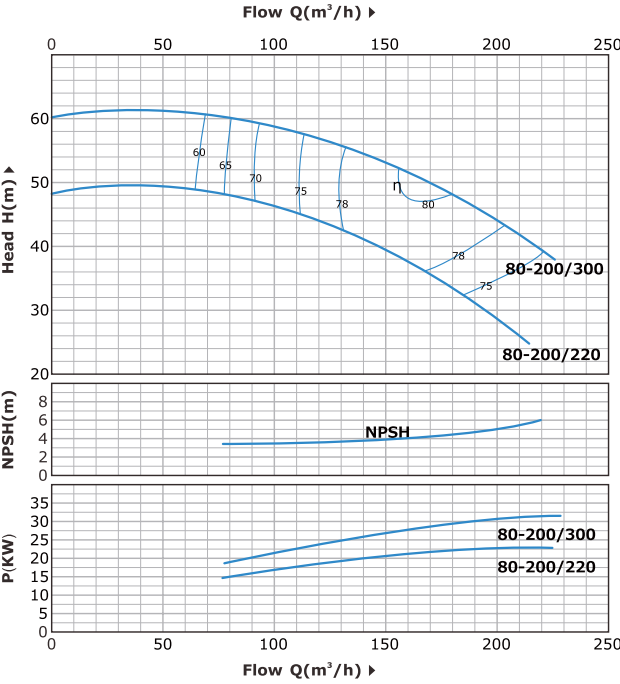
100-160 -2900r/min Performance curve



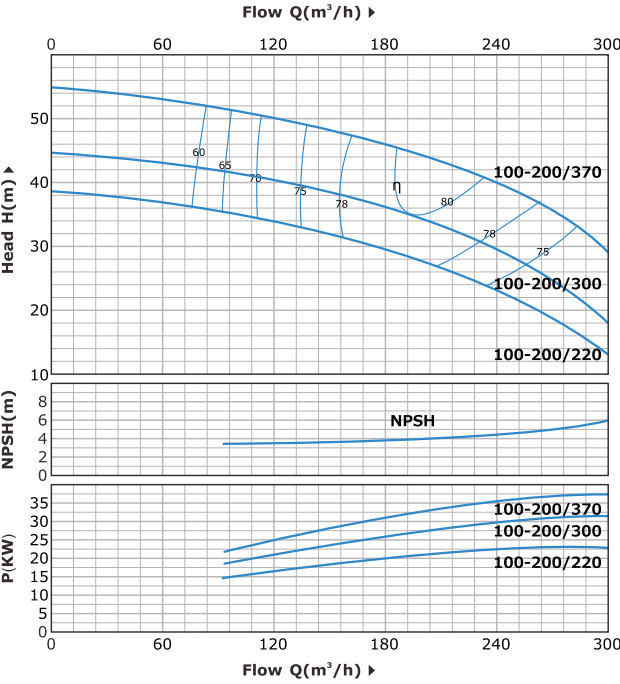
80-160 -2900r/min Performance curve



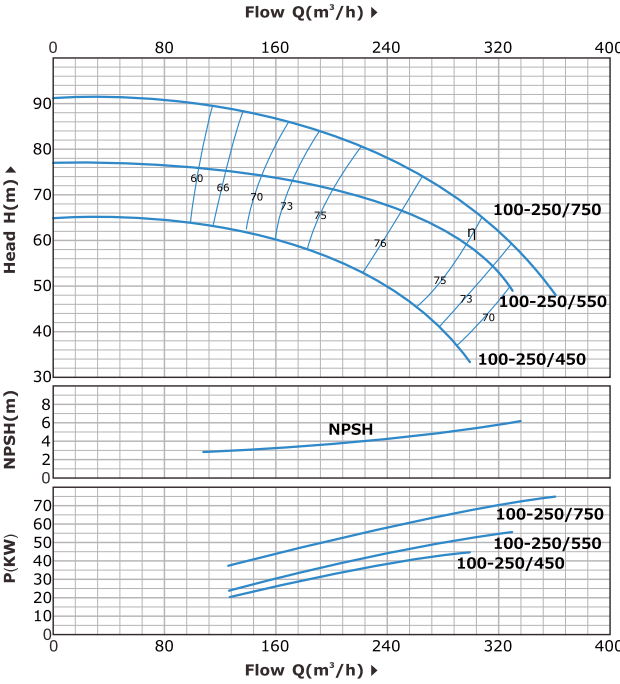
80-200 -2900r/min Performance curve



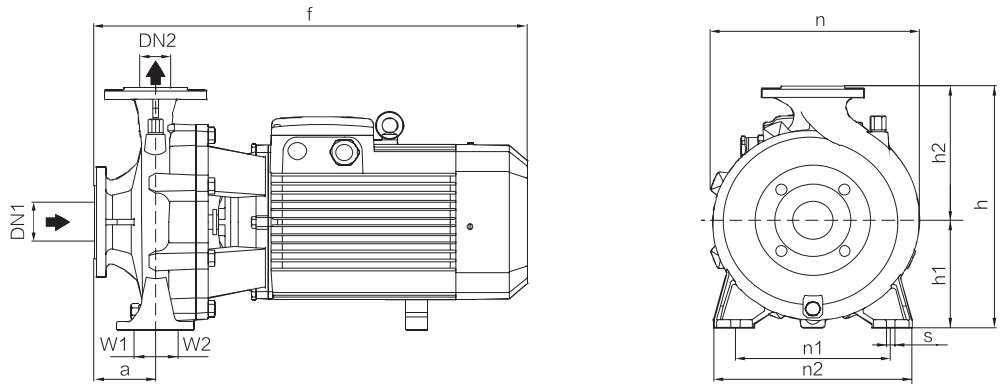
100-200 -2900r/min Performance curve



100-250 -2900r/min Performance curve

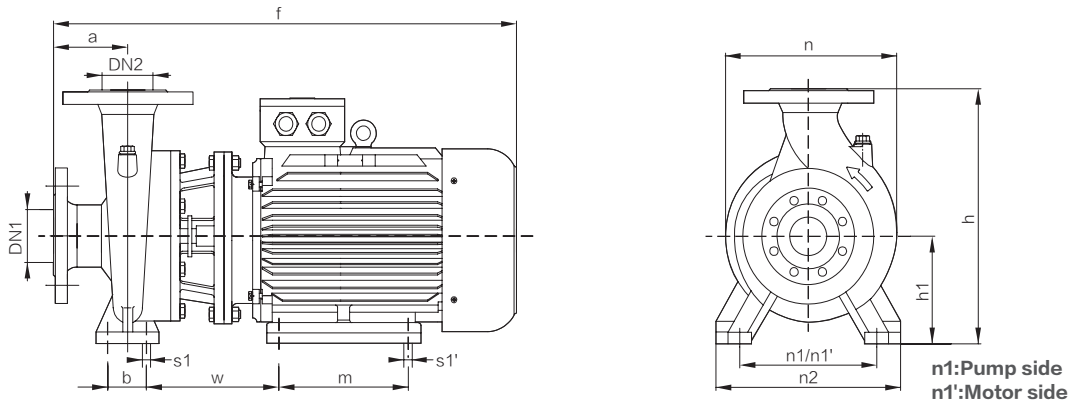


Installation Dimension



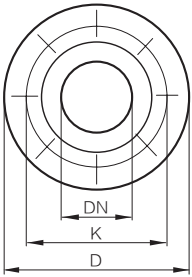
Model		Dimensions(mm)													Weight(kg)				
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	n2	w1	w2	s	1~	3~			
32-125/7	32-125/7	50	32	80	435	255	114	141	202	140	190	35	35	15	27	24			
32-125/11	32-125/11			83		295	133	162	245	190	245				28	25			
32-160/15	32-160/15														38	34			
32-160/22	32-160/22			43	39														
32-160/30	32-160/30			54	50														
32-200/30	32-200/30			82	490	342	161	181	265	240	56				52				
-	32-200/40			88	590	405	186	219	333	250	328				49	49	16	-	53
-	32-250/55																	-	66
-	32-250/75											-	73						
-	32-250/110											-	95						
-	32-250/55D											-	73						
-	32-250/75D			160	610	362	162	200	330	216	280	37	37	14	-	80			
40-125/11	40-125/11			65	40	82	440	260	116	144	220				160	212	30	27	
40-125/15	40-125/15	80	490			305	135	170	250	190	241				33	29			
40-125/22	40-125/22														38	34			
40-160/30	40-160/30											52	48						
-	40-160/40	102	560			345	162	193	282	214	267	-	50						
-	40-200/55											-	66						
-	40-200/75											-	73						
-	40-250/92	94	712			415	186	229	327	250	327	49	49	-	100				
-	40-250/110													-	116				
-	40-250/150													-	146				
50-125/22	50-125/22	50	50	102	525	305	135	170	263	190	245	37	37	15	45	41			
50-125/30	50-125/30			110	560	348	164	193	270	212	262				54	50			
-	50-125/40														-	52			
-	50-160/55			104	722	392	186	206	307	232	310				-	64			
-	50-160/75														-	71			
-	50-200/92														-	90			
-	50-200/110			102	720	416	186	230	330	250	327	-	106						
-	50-250/150											-	145						
-	50-250/185											-	153						
-	50-250/220			104	580	345	162	193	275	212	280	49	49		-	183			
-	65-125/40	-	56																
-	65-125/55	80	65	104	580	345	162	193	275	212	280	49	49		-	68			
-	65-125/75			110	730	425	186	239	330	232	309				-	74			
-	65-160/92														-	90			
-	65-160/110														-	106			
-	65-160/150			111	740	425	186	240	330	232	309			-	134				
-	65-200/150													-	140				
-	65-200/185													-	145				
-	65-200/220			80-125/40	80	117	750	357	163	194	330			212	280	-	185		
-	80-125/55															-	56		
-	80-125/75	-	68																
-	80-160/110	88	750	435	186	250	330	255	332	-	74								
-	80-160/150									-	113								
-	80-160/185									-	143								
-	100-160/185	125	100	130	765	435	186	250	345	262	340	55	55	16	-	150			
-	100-160/185														-	143			
-	100-160/220														-	183			

Installation Dimension



Model	Dimensions(mm)															Weight(kg)				
Three-phase	DN1	DN2	a	f	h	h1	n	n1	n1'	n2	b	w	m	s	s1'	3~				
65-250/220	80	65	116	870	420	180	369	260	279	320	70	246	241	18	15	210				
65-250/300				990	456	195		250	318	327		293	305		19	230				
65-250/370																240				
80-200/220	100	80	118	880	460	250	360	310	279	260	95	258	241	20	15	212				
80-200/300				950	537				490	310		310			95	246	241	19	222	
80-250/370				980									228			305	24	245		
80-250/450			130	1160		406	310	363			349		24	497						
80-250/550				910	279	260	256	305	15	217										
100-200/220				1025	530	225	422	324	318	402	115	248	241	18	15	227				
100-200/300	125	100	140	1000	580	250	418	310	356	102	95	224	311	20	19	250				
100-200/370				1180					406			325	349		20	503				
100-250/450				1250					436								535			
100-250/550																				
100-250/750																				

Counter Flange



DN	D (mm)	K (mm)	Holes	
			N	Φmm
32	140	100	4	18
40	150	110		
50	165	125		
65	185	145		
80	200	160	8	
100	220	180		
125	250	210		