

HAM

**Stainless Steel Centrifugal Pump
(Monoblock with extended motor shaft)**

Operating Limits:

- Normal temperature: +15℃~+70℃
- Hot water type: +70℃~104℃
- Max. ambient temperature: ≤50℃
- Max. operating pressure: 1.0MPa

Materials:

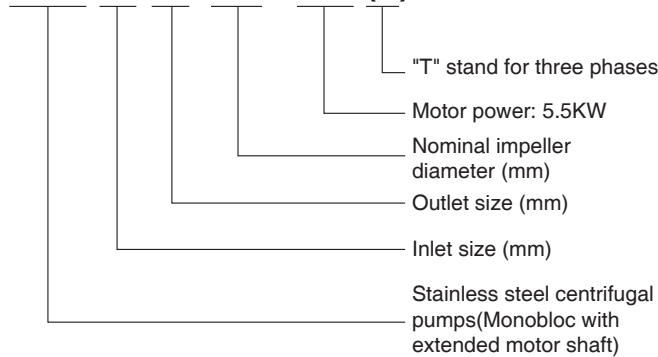
- Pump case adopt new manufacture technical as hydroforming, a volute fluid-flow design to achieve more efficiency.
- Low noise standard motor. With high-quality mechanical seal.
- Motor drawn out from pump design is easy for taking off the impeller without piping removal.
- Single phase motor mounted thermal protector (three-phase motor can be based on customer requirements to install thermal protector).
- HAM series with a lengthening shaft motor
- Standard DIN flange connection
- Insulation class: F
- Protection IP55

Applications:

- Civil, agricultural and Industrial water supplying system.
- Making wine and food system
- Central heating and airconditioner system
- Main pipe pressurizing and cooling tower
- Convery weak corrosive liquid
- Swimming pool system, drainage system, farmland irrigation system

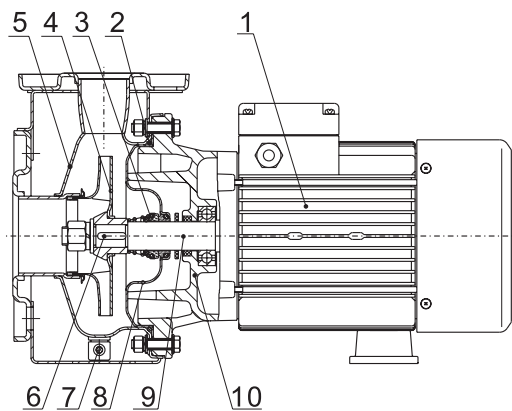
Connotation of the Type:

HAM 65-50-160 / 5.5 (T)



HAM65-50-160/5.5

Structure Diagram:

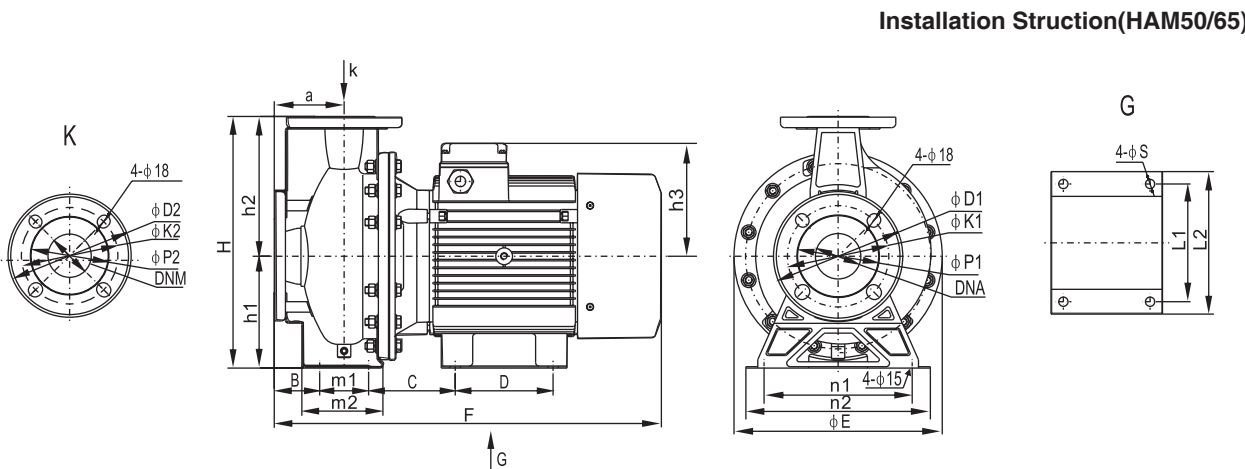


NO.	NAME	NO.	NAME	NO.	NAME	NO.	NAME
1	Motor	4	Impeller	7	Drainage	10	Former Swiss
2	O-ring	5	Pump body	8	Pump cover	11	Locking screw
3	Mechanical seal	6	Flat key	9	Pump shaft		

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**Stainless Steel Centrifugal Pump
(Monoblock with extended motor shaft)**

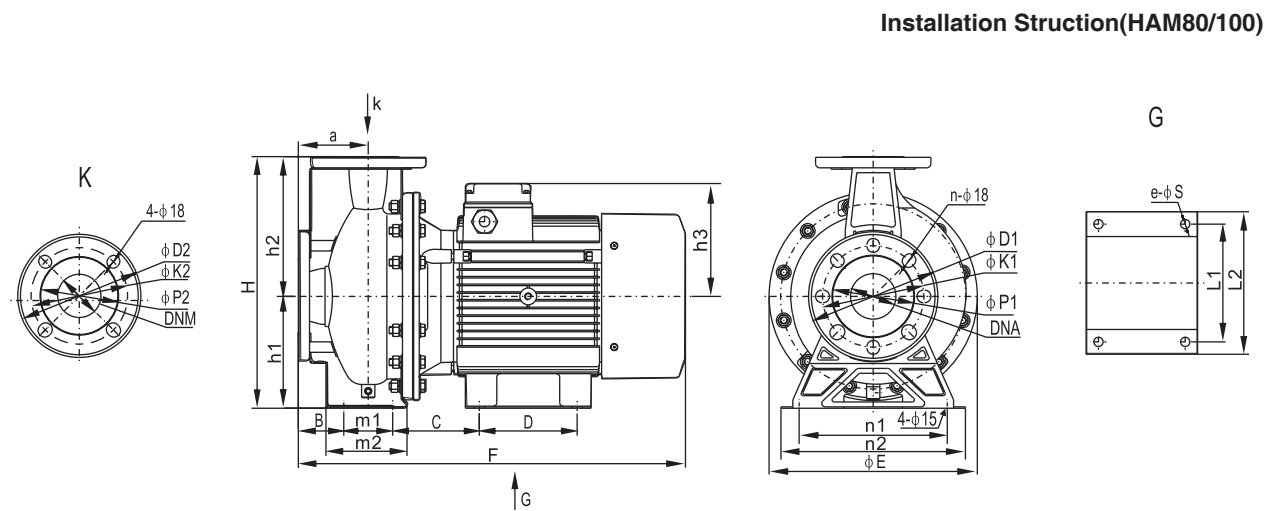
Installation Dimensions



MODEL	Power P ₂ (kW)	φ E	F	H	h1	h2	h3	a	m1	m2	n1	n2	B	C	D	φ S	L1	L2	φ D1	φ k1	φ P1	φ D2	φ K2	φ P2	DNA	DNM
HAM50-32-160/1.1(T)	1.1	210	395	255	112	143	134	80	70	115	160	190	45	95	90	12	125	155	165	125	96	140	100	76	50	32
HAM50-32-160/1.5(T)	1.5	210	395	255	112	143	134	80	70	115	160	190	45	95	90	12	125	155	165	125	96	140	100	76	50	32
HAM50-32-160/2.2(T)	2.2	210	428	255	112	143	119	80	70	115	160	190	45	111	100	12	160	190	165	125	96	140	100	76	50	32
HAM50-32-200/3.0(T)	3.0	300	460	340	160	180	119	80	70	118	190	240	45	109	100	12	160	190	165	125	96	140	100	76	50	32
HAM50-32-200/4.0(T)	4.0	300	498	340	160	180	142	80	70	118	190	240	45	114	140	15	190	225	165	125	96	140	100	76	50	32
HAM50-32-200/5.5(T)	5.5	300	532	340	160	180	162	80	70	118	190	240	45	122	140	15	190	230	165	125	96	140	100	76	50	32
HAM50-32-200/7.5(T)	7.5	300	550	340	160	180	162	80	70	118	190	240	45	122	140	15	190	230	165	125	96	140	100	76	50	32
HAM65-40-125/1.5(T)	1.5	210	395	255	112	143	134	80	70	115	160	190	45	95	90	12	125	155	185	145	115	150	110	80	65	40
HAM65-40-125/2.2(T)	2.2	210	425	255	112	143	119	80	70	115	160	190	45	110	100	12	160	190	185	145	115	150	110	80	65	40
HAM65-40-125/3.0(T)	3.0	250	460	292	132	160	119	80	70	118	190	240	45	115	100	12	160	190	185	145	115	150	110	80	65	40
HAM65-40-160/4.0(T)	4.0	250	498	292	132	160	142	80	70	118	190	240	45	114	140	15	190	225	185	145	115	150	110	80	65	40
HAM65-40-200/5.5(T)	5.5	300	554	360	160	200	162	100	70	118	212	264	65	124	140	15	190	230	185	145	115	150	110	80	65	40
HAM65-40-200/7.5(T)	7.5	300	592	360	160	200	162	100	70	118	212	264	65	124	140	15	190	230	185	145	115	150	110	80	65	40
HAM65-40-200/11(T)	11	300	623	360	160	200	179	100	70	118	212	264	65	161	140	15	216	255	185	145	115	150	110	80	65	40
HAM65-50-125/3.0(T)	3.0	250	455	292	132	160	119	80	70	115	190	240	45	110	100	12	160	190	185	145	115	165	125	96	65	50
HAM65-50-125/4.0(T)	4.0	250	498	292	132	160	142	80	70	115	190	240	45	115	140	15	190	225	185	145	115	165	125	96	65	50
HAM65-50-160/5.5(T)	5.5	300	554	360	160	200	162	100	70	118	212	264	65	124	140	15	190	230	185	145	115	165	125	96	65	50
HAM65-50-200/7.5(T)	7.5	300	592	360	160	200	162	100	70	118	212	264	65	124	140	15	190	230	185	145	115	165	125	96	65	50
HAM65-50-200/9.2(T)	9.2	350	623	360	160	200	179	100	70	118	212	264	65	161	140	15	216	255	185	145	115	165	125	96	65	50
HAM65-50-200/11(T)	11	350	623	360	160	200	179	100	70	118	212	264	65	161	140	15	216	255	185	145	115	165	125	96	65	50
HAM65-50-200/15(T)	15	350	665	360	160	200	179	100	70	118	212	264	65	161	140	15	216	255	185	145	115	165	125	96	65	50
HAM65-50-200/18.5(T)	18.5	350	725	360	160	200	255	100	70	118	212	264	65	147	254	15	254	320	185	145	115	165	125	96	65	50

HAM

Stainless Steel Centrifugal Pump (Monoblock with extended motor shaft)

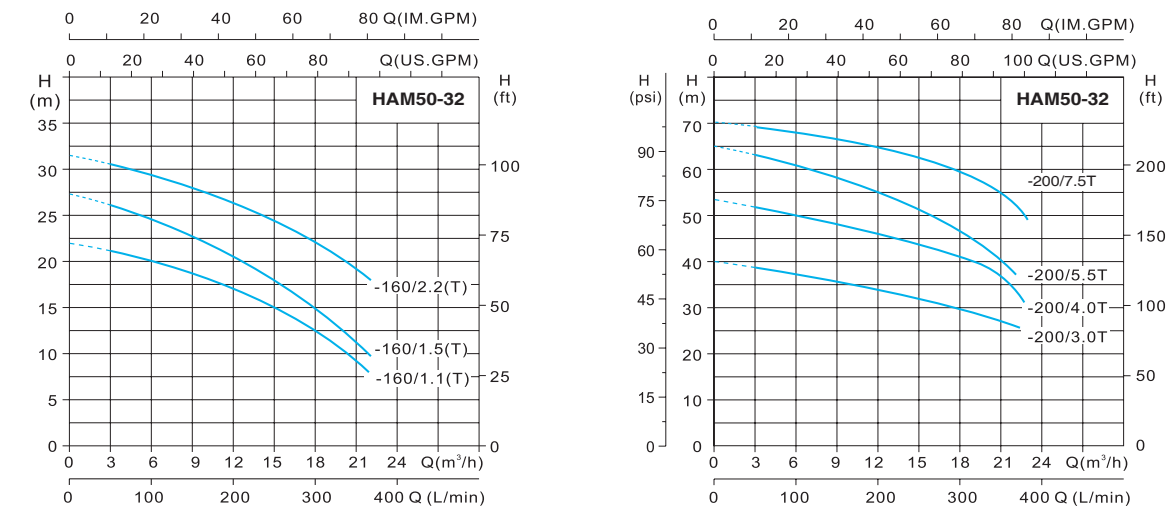


MODEL	Power P _a (kW)	φE	F	H	h1	h2	h3	a	m1	m2	n1	n2	B	C	D	e-φS	L1	L2	φD1	φk1	φP1	φD2	φK2	φP2	n	DNA	DNM
HAM 80-65-125/4(T)	4.0	256	514	340	160	180	162	100	95	152	212	250	53	105	140	4-φ15	190	230	200	160	132	185	145	115	4	80	65
HAM 80-65-125/5.5(T)	5.5	256	530	340	160	180	162	100	95	152	212	250	53	113	140	4-φ15	190	230	200	160	132	185	145	115	4	80	65
HAM 80-65-125/7.5(T)	7.5	256	568	340	160	180	162	100	95	152	212	250	53	113	140	4-φ15	190	230	200	160	132	185	145	115	4	80	65
HAM 80-65-125/9.2(T)	9.2	256	636	340	160	180	179	100	95	152	212	250	53	175	140	4-φ15	216	255	200	160	132	185	145	115	4	80	65
HAM 80-65-160/11(T)	11	300	620	360	160	200	179	100	95	152	212	250	53	152	140	4-φ15	216	255	200	160	132	185	145	115	4	80	65
HAM 80-65-160/15(T)	15	300	662	292	160	200	179	100	95	152	212	250	53	152	140	4-φ15	216	255	200	160	132	185	145	115	4	80	65
HAM 80-65-200/18.5(T)	18.5	350	748	405	180	225	255	100	95	148	250	290	53	456	—	2-φ15	254	320	200	160	132	185	145	115	4	80	65
HAM 80-65-200/22(T)	22	356	776	405	180	225	275	100	95	148	250	290	53	169	241	4-φ15	279	355	200	160	132	185	145	115	4	80	65
HAM 80-65-200/30(T)	30	400	844	425	200	225	308	100	95	148	250	290	53	177	305	4-φ18.5	318	386	200	160	132	185	145	115	4	80	65
HAM 100-80-160/11(T)	11	256	669	405	180	225	179	125	95	176	250	290	78	183	140	4-φ15	216	255	220	180	152	200	160	132	8	100	80
HAM 100-80-160/15(T)	15	256	711	405	180	225	179	125	95	176	250	290	78	183	140	4-φ15	216	255	220	180	152	200	160	132	8	100	80
HAM 100-80-160/18.5(T)	18.5	350	769	405	180	225	255	125	95	176	250	290	78	452	—	2-φ15	254	320	220	180	152	200	160	132	8	100	80
HAM 100-80-200/22(T)	22	356	811	430	180	250	275	125	95	176	280	320	78	180	241	4-φ15	279	355	220	180	152	200	160	132	8	100	80
HAM 100-80-200/30(T)	30	400	880	450	200	250	308	125	95	176	280	320	78	188	305	4-φ18.5	318	386	220	180	152	200	160	132	8	100	80
HAM 100-80-200/37(T)	37	400	880	450	200	250	308	125	95	176	280	320	78	188	305	4-φ18.5	318	386	220	180	152	200	160	132	8	100	80

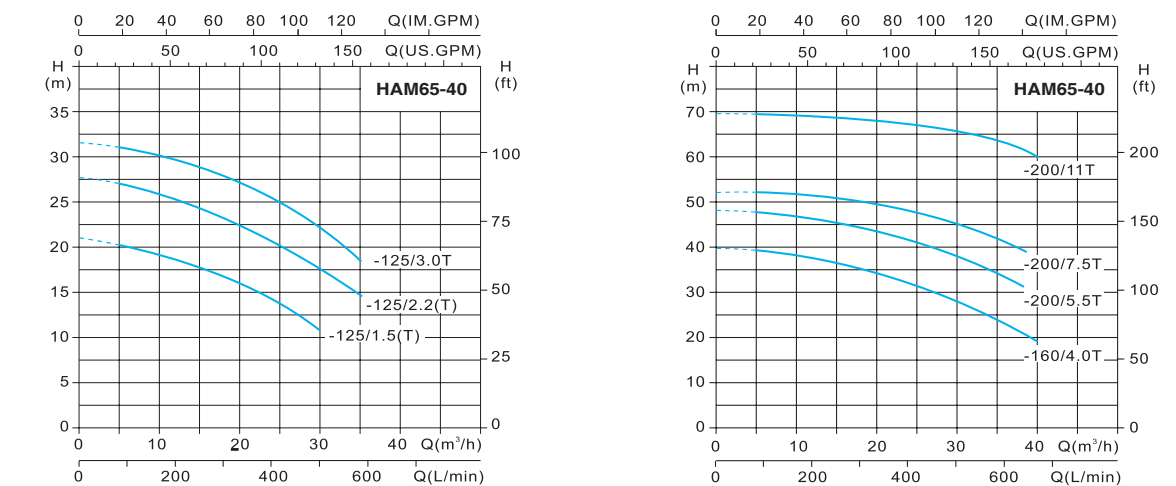
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Stainless Steel Centrifugal Pump (Monoblock with extended motor shaft)

PERFORMANCE CURVE (n=2900r/min)



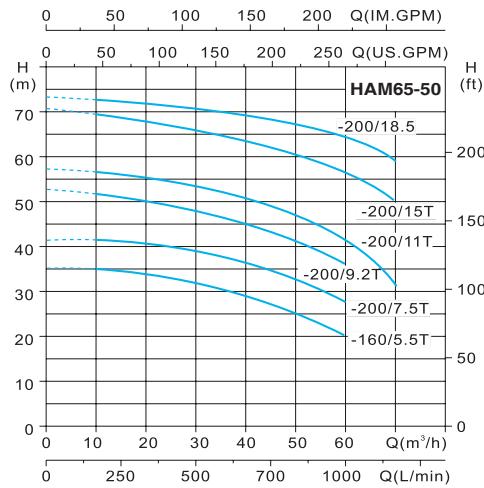
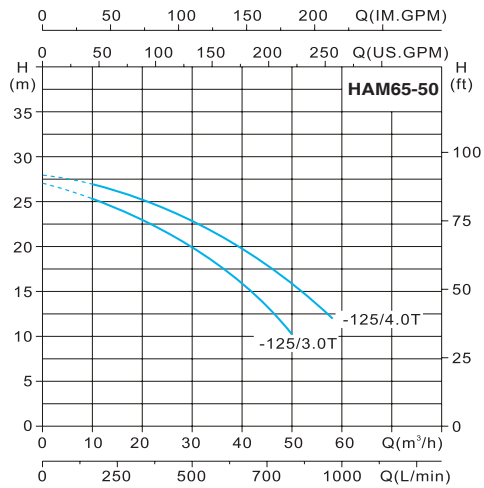
MODEL	POWER(P2) (KW)	Q (m³/h)	3	6	9	12.5	15	18	20	22
HAM50-32-160/1.1(T)	1.1	H (m)	21	20	18.5	16.5	15	12.5	10	8
HAM50-32-160/1.5(T)	1.5		26	24.5	22.5	20	18.5	15	12.5	9.5
HAM50-32-160/2.2(T)	2.2		30.5	29.5	27.5	26	24	22.5	20.5	18
HAM50-32-200/3.0T	3.0		38	37	35	34	32	30	28	26
HAM50-32-200/4.0T	4.0		51.5	50	48	45	43	41	39	30
HAM50-32-200/5.5T	5.5		62	60	58	54	52	47	42	37
HAM50-32-200/7.5T	7.5		67	65	64	62	60.5	58.5	57	55



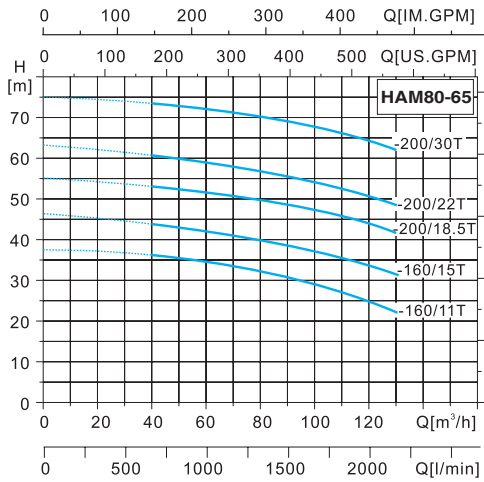
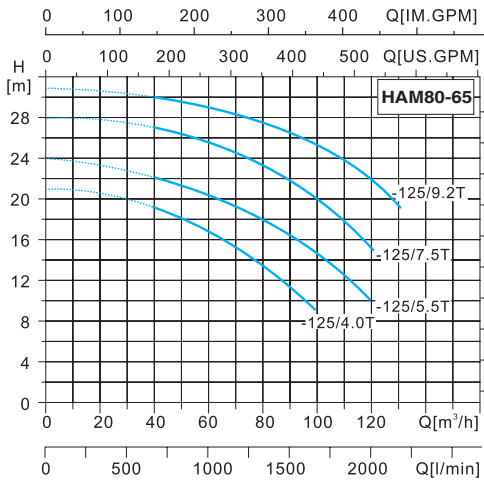
MODEL	POWERP2 (KW)	Q (m³/h)	5	10	15	20	25	30	35	40
HAM65-40-125/1.5(T)	1.5	H (m)	20	19	17.5	16	13	10.5	—	—
HAM65-40-125/2.2(T)	2.2		27	26	24	22	20	17	14	—
HAM65-40-125/3.0T	3.0		31	30	29	27	25	22	18	—
HAM65-40-160/4.0T	4.0		39	38	36.5	34	31	28	24	19
HAM65-40-200/5.5T	5.5		47	46	45.5	44	41	38	34	30
HAM65-40-200/7.5T	7.5		52	51.5	51	50	48	45	42	38
HAM65-40-200/11T	11		69	69	68.5	68	68	66	64	60

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Stainless Steel Centrifugal Pump
(Monoblock with extended motor shaft)



MODEL	POWERP2) (KW)	Q (m³/h)	5	10	20	30	40	50	60	70
HAM65-50-125/3.0T	3.0	H (m)	27	26	23	20	16	10	-	-
HAM65-50-125/4.0T	4.0		28	27	26	24	21	16	-	-
HAM65-50-160/5.5T	5.5		34.5	34.5	34	31.5	28.5	24	20	-
HAM65-50-200/7.5T	7.5		41	41	40.5	39	36	32	27.5	-
HAM65-50-200/9.2T	9.2		52	52	51	49	45	41	37	-
HAM65-50-200/11T	11		57	56	55	53	51	48	42	30
HAM65-50-200/15T	15		69	68	67	65	64	62	57	50
HAM65-50-200/18.5T	18.5		73	72	71	70	69	68	65	59



MODEL	POWER(P2) (KW)	Q (m³/h)	40	50	60	70	80	90	100	110	120	130
HAM80-65-125/4.0T	4.0	H (m)	19	18	17	15	13	11	9	-	-	-
HAM80-65-125/5.5T	5.5		22	21	20	19	18	17	15	13	10	-
HAM80-65-125/7.5T	7.5		27	26	25	24	23	22	20	18	15	-
HAM80-65-125/9.2T	9.2		30	29	29	28	27	26	25	23	22	19
HAM80-65-160/11T	11		36	35	34	33	32	31	29	27	25	22
HAM80-65-160/15T	15		44	43	42	40	39	38	37	36	34	32
HAM80-65-200/18.5T	18.5		53	52	51	50	49	48	47	45	44	41
HAM80-65-200/22T	22		60	59	58	57	56	55	54	53	51	49
HAM80-65-200/30T	30		72	72	71	70	69	68	67	66	65	63