

WASTEWATER
SUBMERSIBLE MOTOR PUMP
MODEL DKE
TECHNICAL DATA BOOK 50Hz



EBARA Corporation

July, 2025

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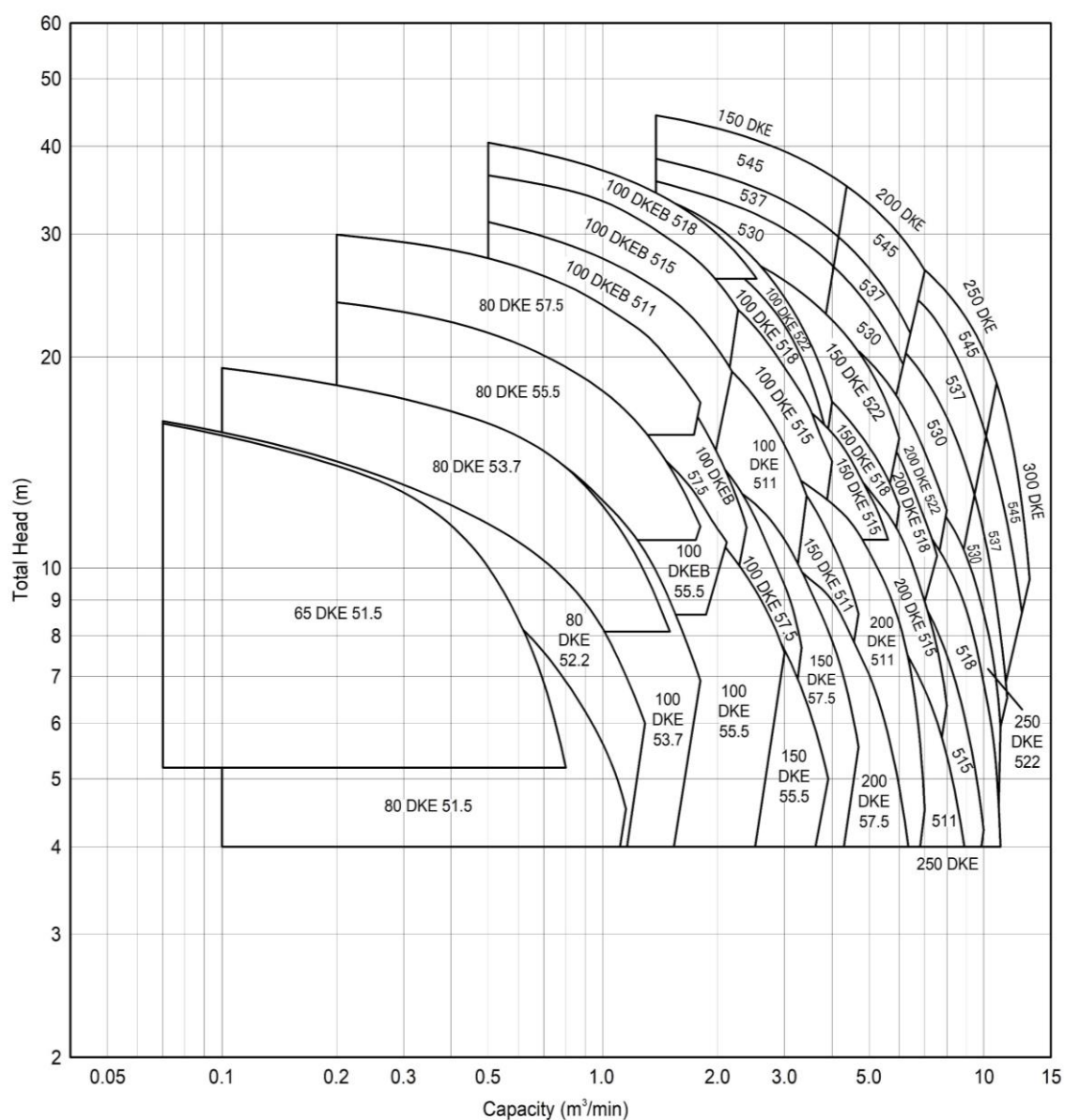
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Specifications
50Hz

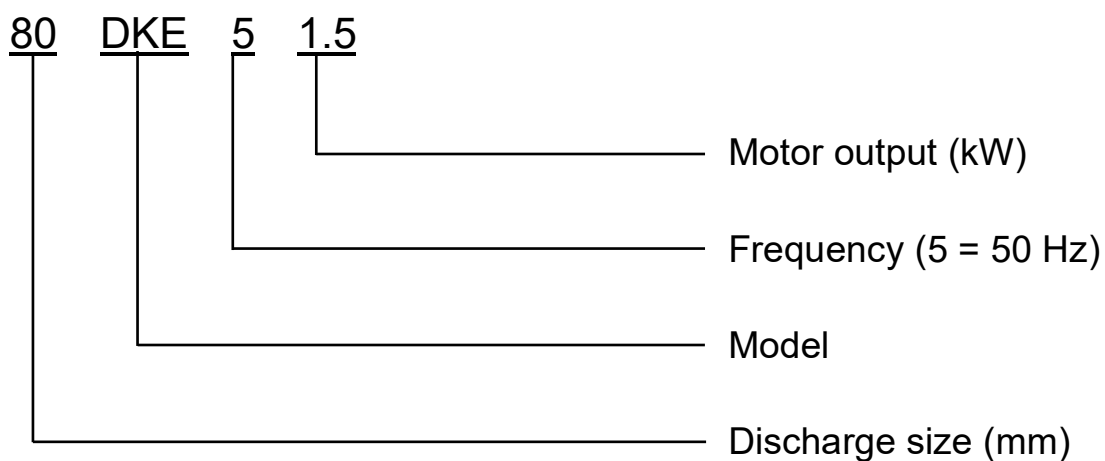
Scope	Discharge	65 — 300 mm	
	Motor Power	1.5 — 45 kW (3 phase)	
	Performance	Capacity : 0.07 — 13 m ³ /min Head : 3 — 44 m	
Liquid	Type	Sewage	
	Temperature	0 — 40°C	
	Max.Diameter of Solids (mm)	Φ65 : 40 Φ80 : 50 (5.5 to 7.5 kW : 38) Φ100 : 45 (DKE 3.7 to 15 kW : 50) Φ150 : 50 (22 to 45kW:78)	Φ200 : 57 (18.5 to 22 kW :80) (30 to 45 kW :78) Φ250 : 57 (30 to 45 kW :86) Φ300 : 86
Submergence	Maximum	8 m	
	Minimum	Refer to low water level (L.W.L) in dimensions.	
Construction	Impeller	Back swept semi-open	
	Mechanical Seal	Oil lubricated, double mechanical seal Std. Motor:single spring up to 3.7 kW, tandem spring 5.5 and 45 kW IE3 Motor:single spring up to 22 kW, tandem spring 30 and 45 kW	
	Bearing	Prelubricated ball bearing	
	Protection	Std. Motor:Auto cut up to 3.7 kW Miniature thermal protector 11 and 45 kW IE3 Motor:Miniature thermal protector Option :Leakage detector (float type)	
Materials	Casing	Cast iron	
	Impeller	Cast iron	
	Suction Cover	Cast iron	
	Shaft	12Cr13 (410 Stainless steel)	
	Motor Frame	Cast iron	
	Fasteners	304 Stainless steel	
	Mechanical Seal	Upper Face : Carbon / Ceramic Lower Face : Silicon Carbide / Silicon Carbide Lubricating Oil : Turbine Oil VG32 (SAE 10W / 20W)	
Motor	Type	Air filled dry submersible, IP68, Class F insulation	
	Number of poles	4 pole	
	Applicable Voltages	380 / 400 / 415 Volts 3 phase 50 Hz	
	Starting	DOL (up to 7.5 kW) Star-Delta (11 to 45 kW)	
Cable	Length	10 m	
Accessories	Flange	Quick Discharge Connector (QDC)	
		Discharge elbow&Pump legs	

Performance Chart

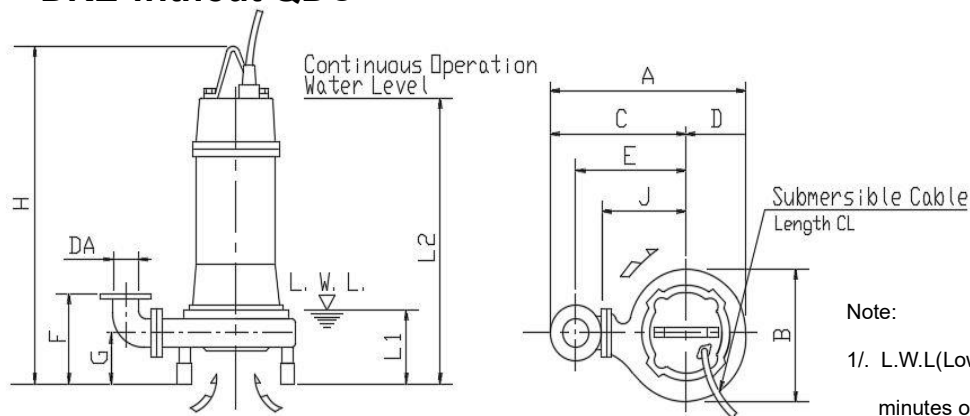
50Hz



Model code



• DKE without QDC



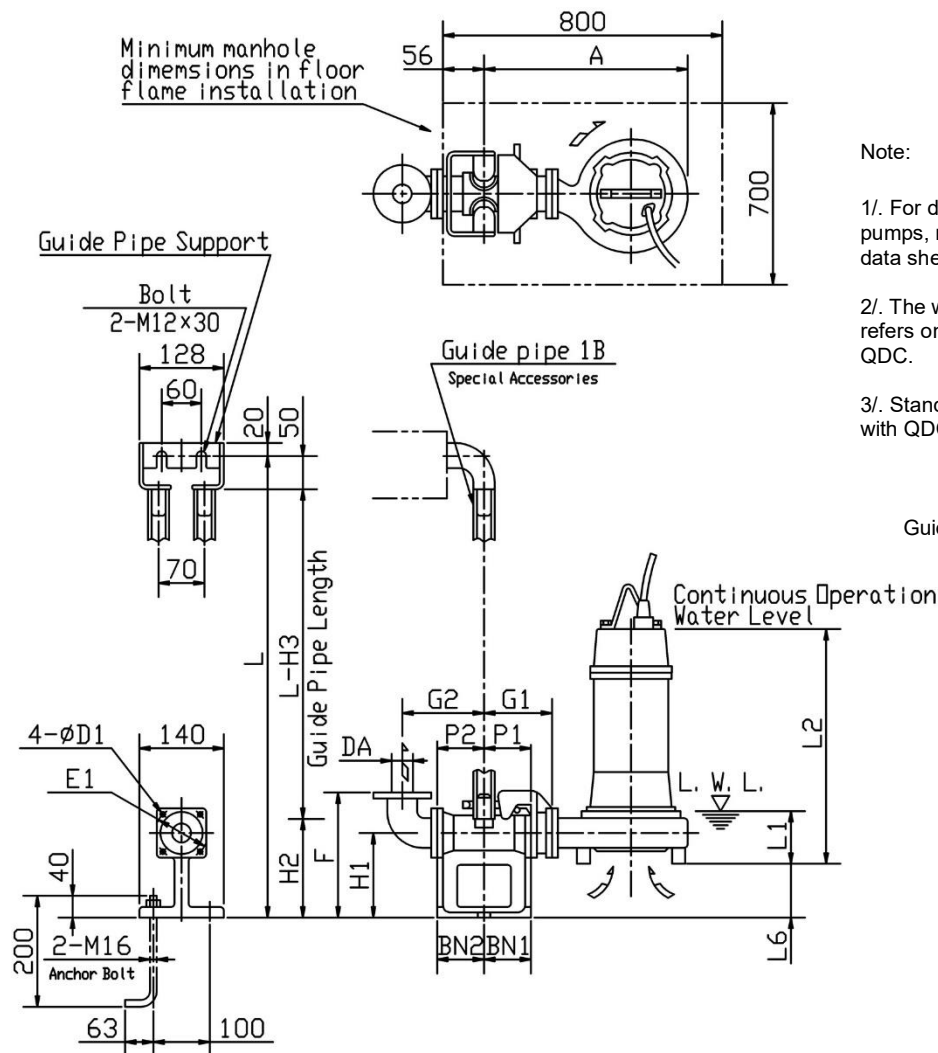
Note:

- 1/. L.W.L(Low Water Level)Is limited to 10 minutes operations at low water level.
- 2/. Is limited to 30 minutes operation with water level below top of motor.

Unit : mm

DA	Pump model	Output KW	A	B	C	D	E	F	G	H	J	L1	L2	CL m	Weight kg
65	65 DKE 51.5	1.5	505	294	358	147	265	322	217	695	200	265	595	10	52
80	80 DKE 51.5	1.5	565	295	417	148	317	326	206	691	220	262	591	10	51
	80 DKE 52.2	2.2	570	294	425	146	325	326	206	751	228	260	651	10	66
	80 DKE 53.7	3.7	594	323	439	155	339	326	206	777	242	267	677	10	78
	80 DKE 55.5	5.5	631	375	450	181	350	326	206	838	253	262	738	10	110
	80 DKE 57.5	7.5	677	394	483	194	383	326	206	838	286	262	738	10	116
100	100 DKEB 55.5	5.5	725	384	532	193	422	356	226	861	295	285	761	10	117
	100 DKEB 57.5	7.5	750	414	547	203	437	356	226	861	310	285	761	10	126
	100 DKEB 511	11	750	414	547	203	437	356	226	960	310	285	800	10	155
	100 DKEB 515	15	777	436	562	215	452	356	226	1043	325	292	883	10	189
	100 DKEB 518	18.5	792	449	567	225	457	385	255	1054	330	321	894	10	214
100	100 DKE 53.7	3.7	694	333	532	162	422	356	226	797	295	287	697	10	85
	100 DKE 55.5	5.5	739	414	532	207	422	406	276	890	295	376	790	10	122
	100 DKE 57.5	7.5	751	411	544	207	434	405	275	890	307	376	790	10	124
	100 DKE 511	11	763	438	547	216	437	405	275	1003	310	378	843	10	159
	100 DKE 515	15	790	456	565	226	455	405	275	1100	328	349	940	10	188
	100 DKE 518	18.5	815	458	586	229	476	351	221	1014	349	293	854	10	207
	100 DKE 522	22	815	458	586	229	476	351	221	1014	349	293	854	10	218
	100 DKE 522	22	815	458	586	229	476	351	221	1014	349	293	854	10	218
150	150 DKE 55.5	5.5	846	422	637	209	494	460	300	900	317	386	800	10	125
	150 DKE 57.5	7.5	846	422	637	209	494	460	300	900	317	386	800	10	128
	150 DKE 511	11	886	479	644	242	501	436	276	1000	324	375	840	10	167
	150 DKE 515	15	908	480	664	244	521	460	300	1099	344	405	939	10	186
	150 DKE 518	18.5	908	480	664	244	521	460	300	1102	344	405	942	10	207
	150 DKE 522	22	987	524	725	263	582	512	352	1147	405	435	987	10	266
200	200 DKE 57.5	7.5	1177	513	921	256	751	675	308	932	384	418	832	10	160
	200 DKE 511	11	1202	533	935	267	765	675	308	1029	398	404	869	10	192
	200 DKE 515	15	1212	557	934	278	764	700	333	1126	397	432	966	10	214
	200 DKE 518	18.5	1304	618	1000	305	830	733	366	1167	463	455	1007	10	295
	200 DKE 522	22	1304	618	1000	305	830	733	366	1167	463	455	1007	10	304
250	250 DKE 511	11	1049	594	753	297	555	694	364	1105	425	480	945	10	219
	250 DKE 515	15	1049	594	753	297	555	694	364	1174	425	480	1014	10	235
	250 DKE 518	18.5	1049	594	753	297	555	694	364	1177	425	480	1017	10	256
	250 DKE 522	22	1049	594	753	297	555	694	364	1177	425	480	1017	10	267

- **Applicable Models – DKE with QDC**
LM65A, LM65JI, LM65DI, LM80A, LM80JI, LM80DI



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include:-

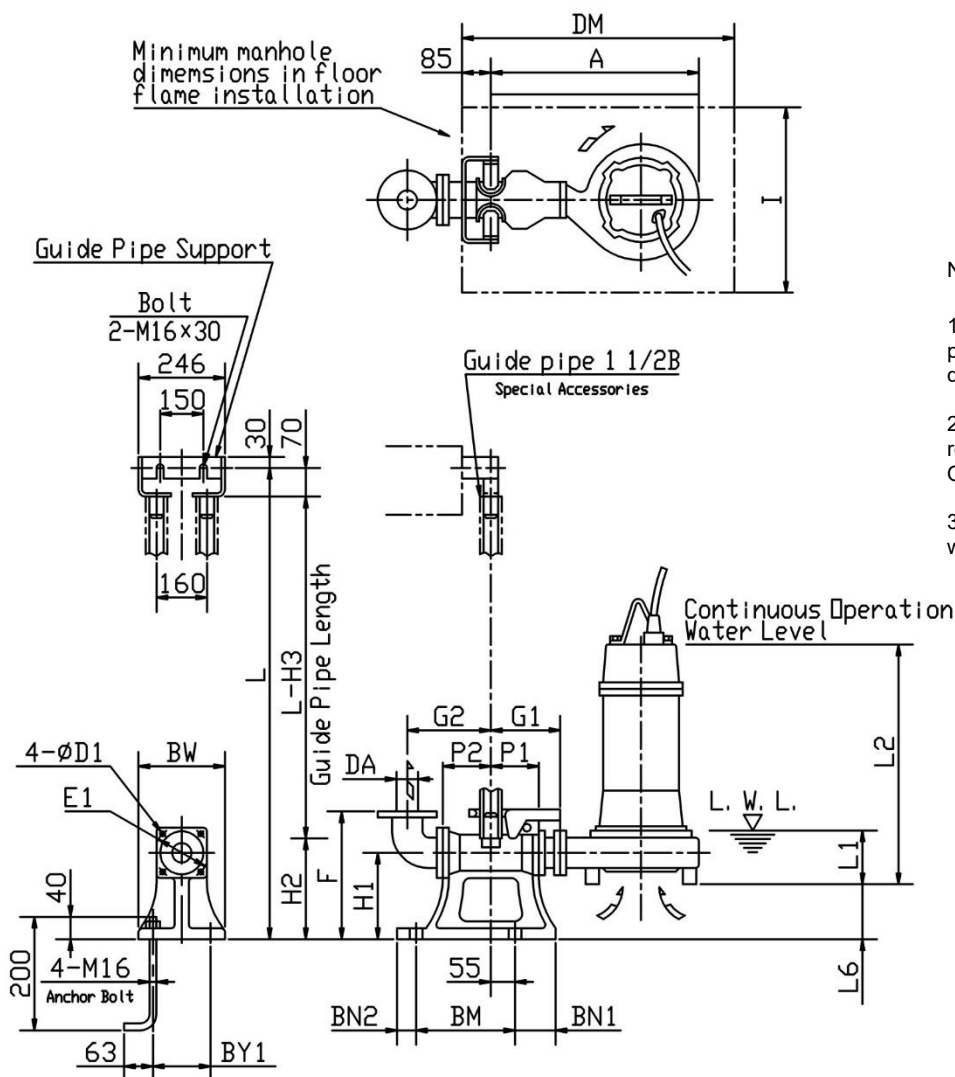
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

DA	QDC model	Pump model	Quick discharge connector																Weight kg
			A	P1	P2	G1	G2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	D1	E1	
65	LM65	65 DKE 51.5	467	75	95	120	160	250	145	190	240	165	495	29	75	95	12	140	14
80	LM80	80 DKE 51.5	493	75	90	125	165	285	175	230	280	162	491	69	75	90	15	155	17
		80 DKE 52.2	498	75	90	125	165	285	175	230	280	160	551	69	75	90	15	155	17
		80 DKE 53.7	522	75	90	125	165	285	175	230	280	167	577	69	75	90	15	155	17

Unit : mm

• Applicable Models – DKE with QDC LL80A, LL80JI, LL80DI



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include:-

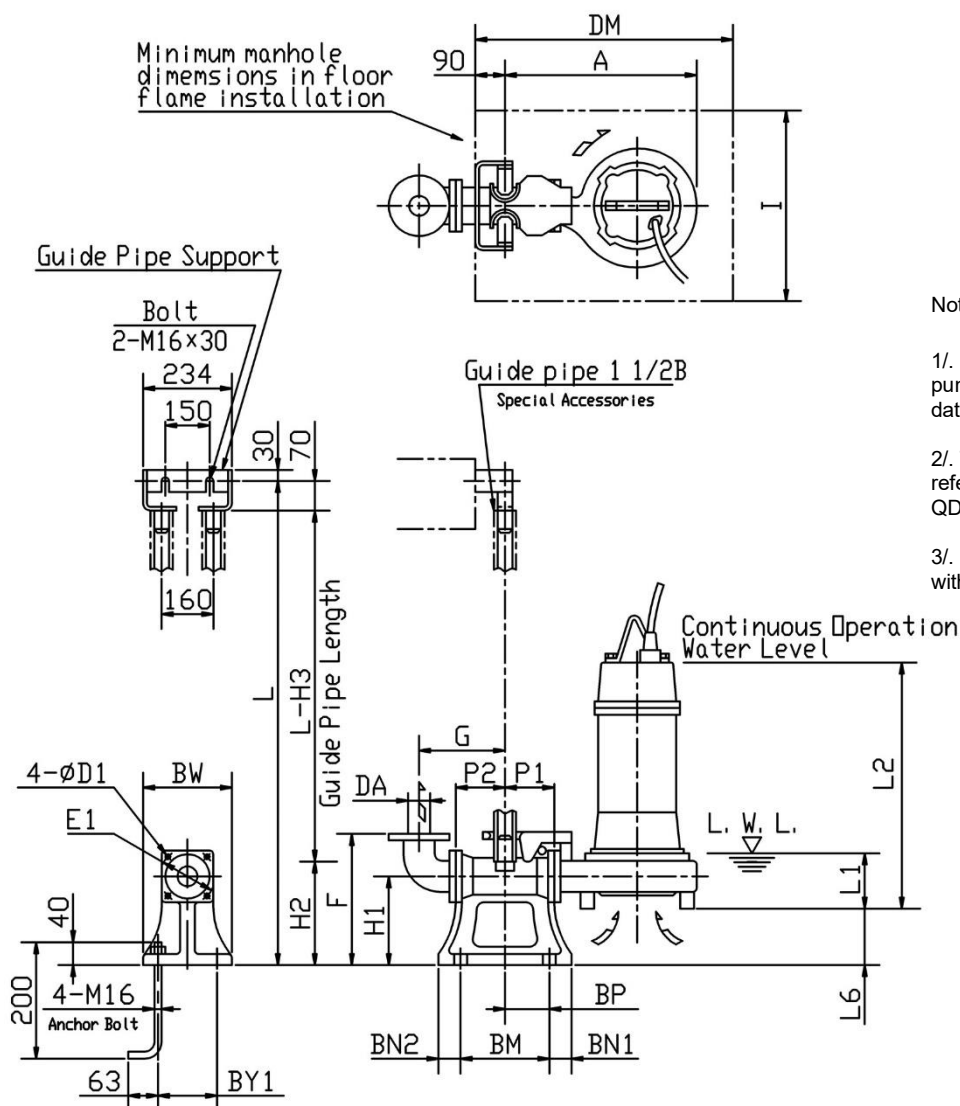
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm																								
DA	QDC model	Pump model	Quick discharge connector																			Weight kg		
			A	P1	P2	G1	G2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BY1	BW	DM	I		D1	E1
80	LL80	80 DKE 55.5	619	105	120	185	195	350	240	255	325	162	638	134	100	40	220	180	230	800	700	15	155	44
		80 DKE 57.5	665	105	120	185	195	350	240	255	325	162	638	134	100	40	220	180	230	800	700	15	155	44

Unit : mm

• Applicable Models – DKE with QDC LL100F



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

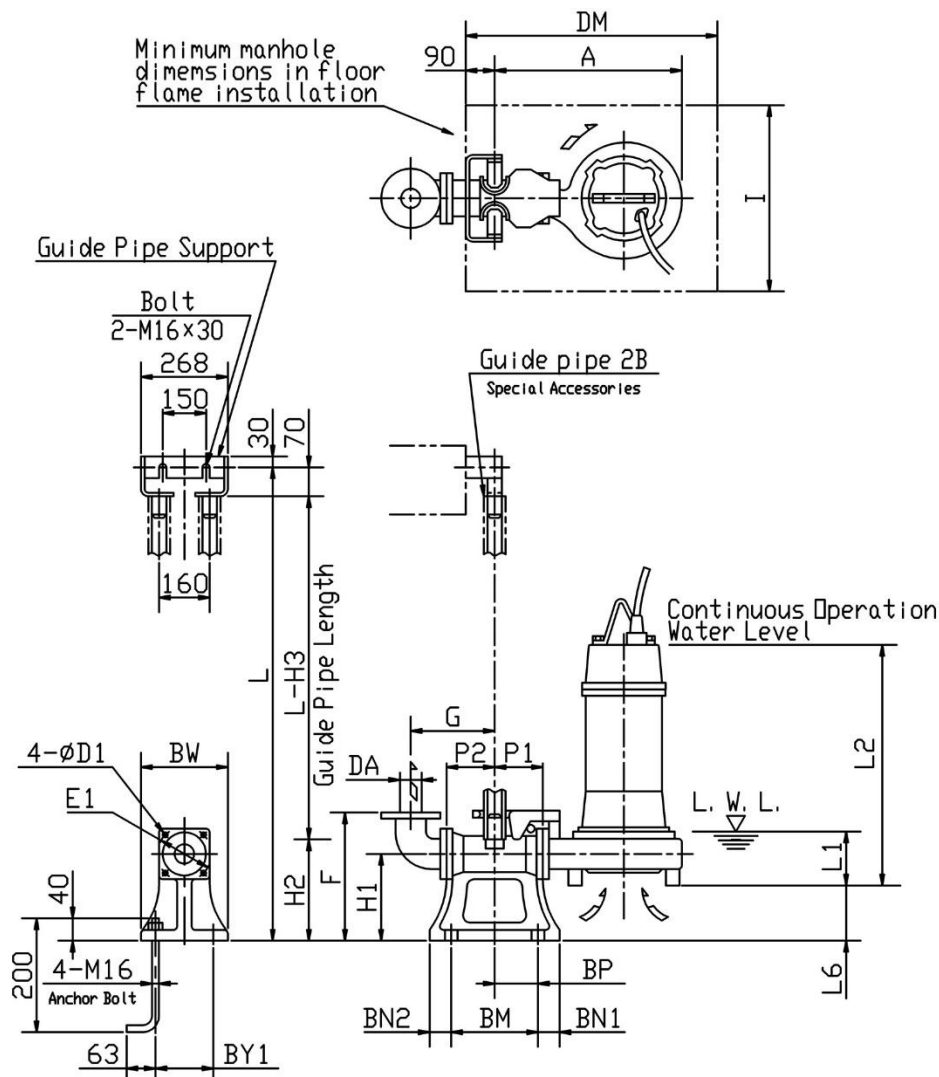
3/. Standard accessories supplied with QDC include:-

- Guide pipe support
 - Sliding Glide
 - Adaptor Flange
- Guide Pipe is not supplied.

Unit : mm																								
DA	QDC model	Pump model	Quick discharge connector																				Weight kg	
			A	P1	P2	G	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	D1		E1
100	LL100F	100 DKEB 55.5	593	105	105	210	365	240	265	335	185	661	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKEB 57.5	618	105	105	210	365	240	265	335	185	661	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKEB 511	618	105	105	210	365	240	265	335	185	700	114	100	40	220	55	180	230	1000	700	19	175	46
		100 DKEB 515	645	105	105	210	365	240	265	335	192	783	115	100	40	220	55	180	230	1000	700	19	175	46
		100 DKEB 518	660	105	105	210	365	240	265	335	221	794	85	100	40	220	55	180	230	1000	700	19	175	46
100	LL100F	100 DKE 53.7	562	105	105	210	365	240	265	335	187	597	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKE 55.5	607	105	105	210	365	240	265	335	226	640	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKE 57.5	619	105	105	210	365	240	265	335	226	640	115	100	40	220	55	180	230	800	700	19	175	46
		100 DKE 511	631	105	105	210	365	240	265	335	228	693	115	100	40	220	55	180	230	1000	700	19	175	46
		100 DKE 515	658	105	105	210	365	240	265	335	199	790	115	100	40	220	55	180	230	1000	700	19	175	46
		100 DKE 518	683	105	105	210	365	240	265	335	193	754	119	100	40	220	55	180	230	1000	700	19	175	46
		100 DKE 522	683	105	105	210	365	240	265	335	193	754	119	100	40	220	55	180	230	1000	700	19	175	46

Unit : mm

• Applicable Models – DKE with QDC LL150F, LL150YF



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include:-

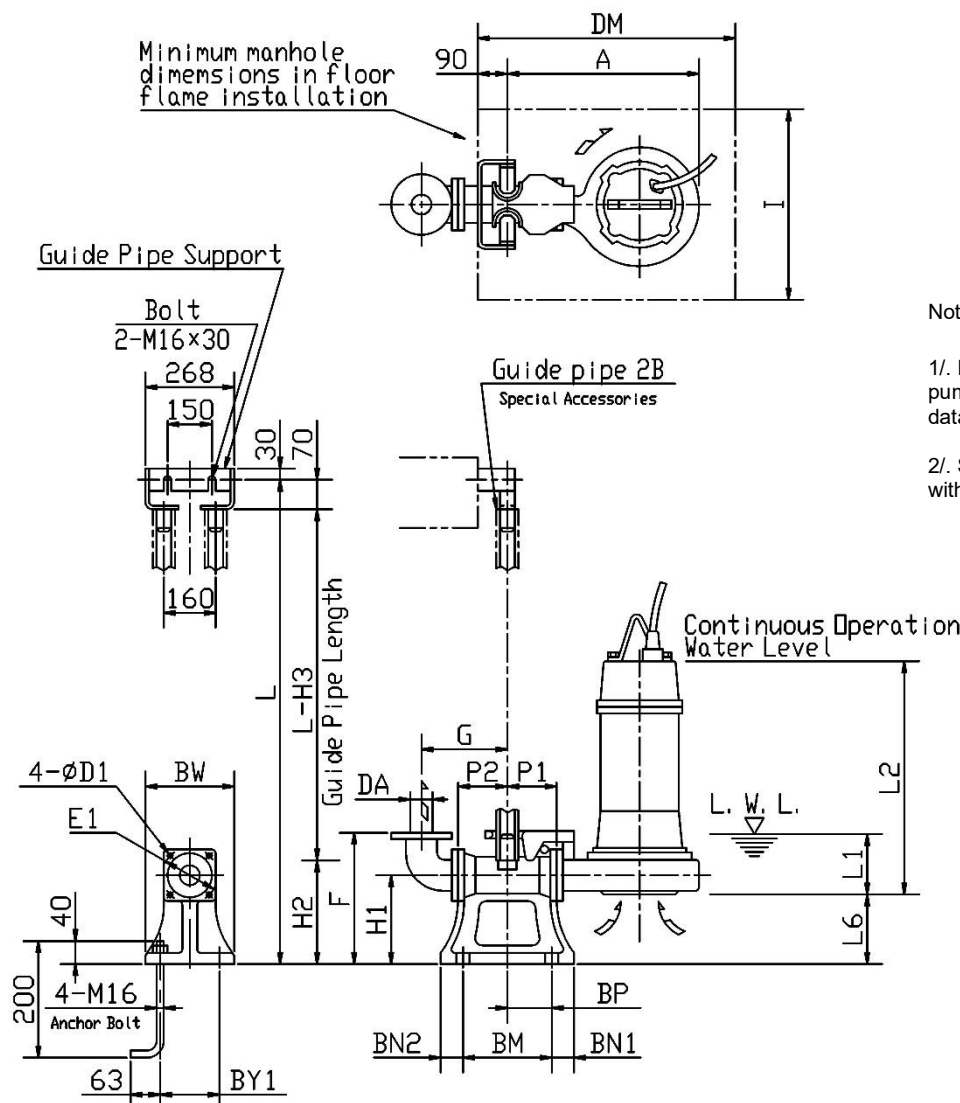
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

DA	QDC model	Pump model	Quick discharge connector																				Weight kg	
			A	P1	P2	G	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	D1		E1
150	LL150F	150 DKE 55.5	681	155	205	355	480	320	405	475	236	650	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 57.5	681	155	205	355	480	320	405	475	236	650	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 511	721	155	205	355	480	320	405	475	250	715	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 515	743	155	205	355	480	320	405	475	255	789	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 518	743	155	205	355	480	320	405	475	255	792	170	60	60	390	170	300	350	1100	800	16	250	80
150	LL150YF	150 DKE 522	796	155	205	355	480	320	405	475	260	812	143	60	60	390	170	300	350	1100	800	16	250	80

• Applicable Models – DKE with QDC LL150 (30kW~45kW)



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. Standard accessories supplied with QDC include: -

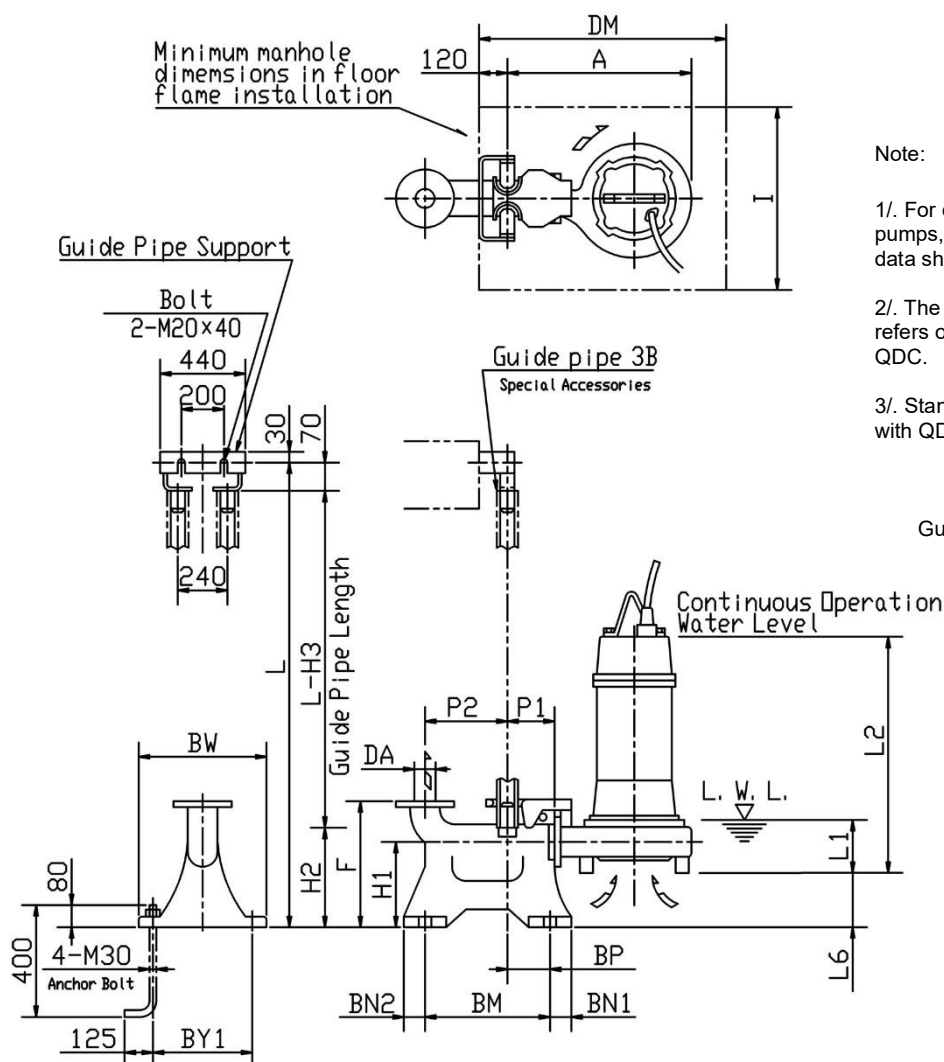
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

Size DA	QDC model	Pump model	Quick discharge connector																				Weight kg		
			A	P1	P2	G	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	D1	E1	QDC	Pump
150	LL150	150 DKE 530	777	155	205	355	480	320	405	475	215	907	209	60	60	390	170	300	350	1100	800	16	250	80	278
		150 DKE 537	777	155	205	355	480	320	405	475	215	1047	209	60	60	390	170	300	350	1100	800	16	250	80	346
		150 DKE 545	777	155	205	355	480	320	405	475	215	1047	209	60	60	390	170	300	350	1100	800	16	250	80	374
200	LL150	200 DKE 530	777	155	205	355	495	320	405	475	215	907	209	60	60	390	170	300	350	1100	800	16	250	80	278
		200 DKE 537	777	155	205	355	495	320	405	475	215	1047	209	60	60	390	170	300	350	1100	800	16	250	80	346
		200 DKE 545	777	155	205	355	495	320	405	475	215	1047	209	60	60	390	170	300	350	1100	800	16	250	80	374

• Applicable Models – DKE with QDC LL250F, LL250YF, LL300F



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

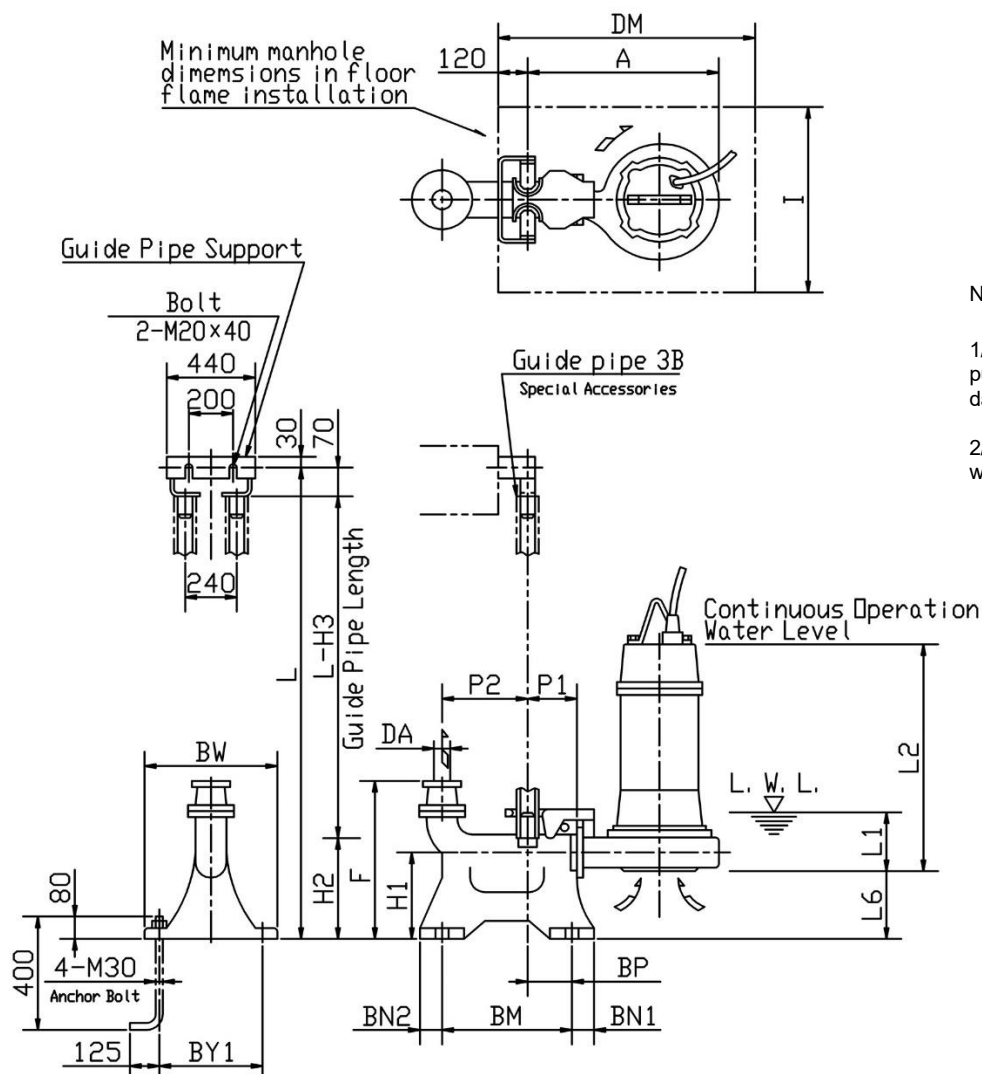
2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include: -
 -Guide pipe support
 -Sliding Glide
 -Adaptor Flange
 Guide Pipe is not supplied.

Unit : mm

DA	QDC model	Pump model	Quick discharge connector																		Weight kg
			A	P1	P2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	
250	LL250F	200 DKE 57.5	835	195	435	700	350	440	510	293	707	167	70	70	650	215	500	560	1200	900	150
		200 DKE 511	860	195	435	700	350	440	510	279	744	167	70	70	650	215	500	560	1200	900	150
		200 DKE 515	870	195	435	700	350	440	510	282	816	167	70	70	650	215	500	560	1200	900	150
250	LL250YF	200 DKE 518	962	195	435	700	350	440	510	280	832	160	70	70	650	215	500	560	1200	900	150
		200 DKE 522	962	195	435	700	350	440	510	280	832	160	70	70	650	215	500	560	1200	900	150
300	LL300F	250 DKE 511	917	195	465	800	430	550	620	330	795	216	70	70	680	215	580	640	1200	900	200
		250 DKE 515	917	195	465	800	430	550	620	330	864	216	70	70	680	215	580	640	1200	900	200
		250 DKE 518	917	195	465	800	430	550	620	330	867	216	70	70	680	215	580	640	1200	900	200
		250 DKE 522	917	195	465	800	430	550	620	330	867	216	70	70	680	215	580	640	1200	900	200

• Applicable Models – DKE with QDC LL300 (250DKE 30kW~45kW)



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. Standard accessories supplied with QDC include: -

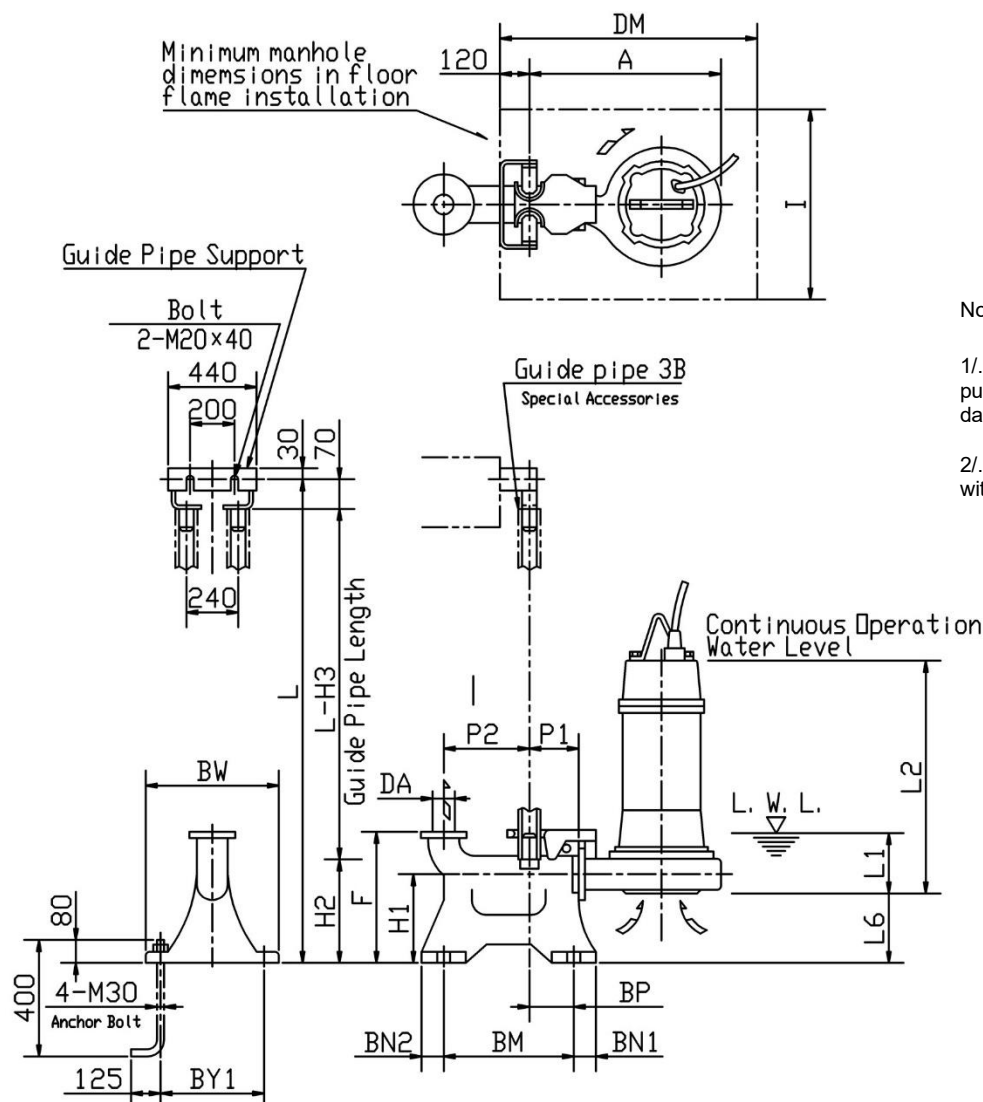
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

Size DA	QDC model	Pump model	Quick discharge connector																		Weight kg	
			A	P1	P2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	QDC	Pump
250	LL300	250 DKE 530	990	195	465	970	430	550	620	237	910	300	70	70	680	215	580	640	1200	900	200	323
		250 DKE 537	990	195	465	970	430	550	620	237	1069	300	70	70	680	215	580	640	1200	900	200	390
		250 DKE 545	990	195	465	970	430	550	620	237	1069	300	70	70	680	215	580	640	1200	900	200	418

• Applicable Models – DKE with QDC LL300 (300DKE 30kW~45kW)



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. Standard accessories supplied with QDC include: -

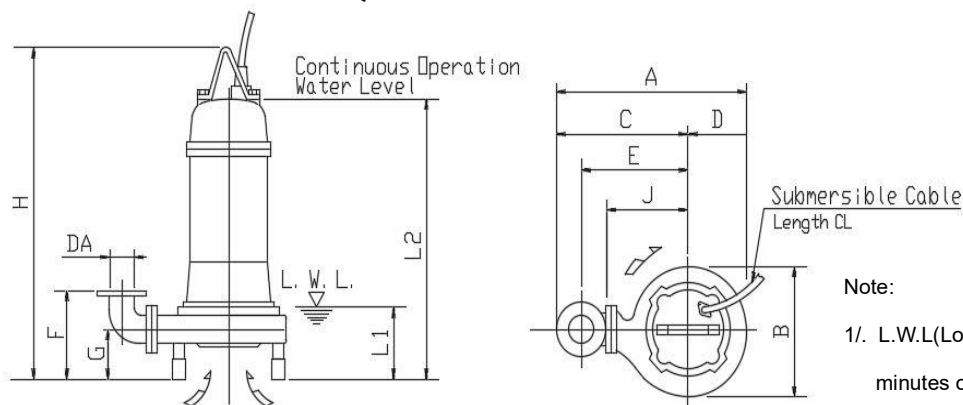
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

Size DA	QDC model	Pump model	Quick discharge connector																		Weight kg	
			A	P1	P2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	QDC	Pump
300	LL300	300 DKE 530	990	195	465	800	430	550	620	237	910	300	70	70	680	215	580	640	1200	900	200	323
		300 DKE 537	990	195	465	800	430	550	620	237	1069	300	70	70	680	215	580	640	1200	900	200	390
		300 DKE 545	990	195	465	800	430	550	620	237	1069	300	70	70	680	215	580	640	1200	900	200	418

• DKE IE3 without QDC



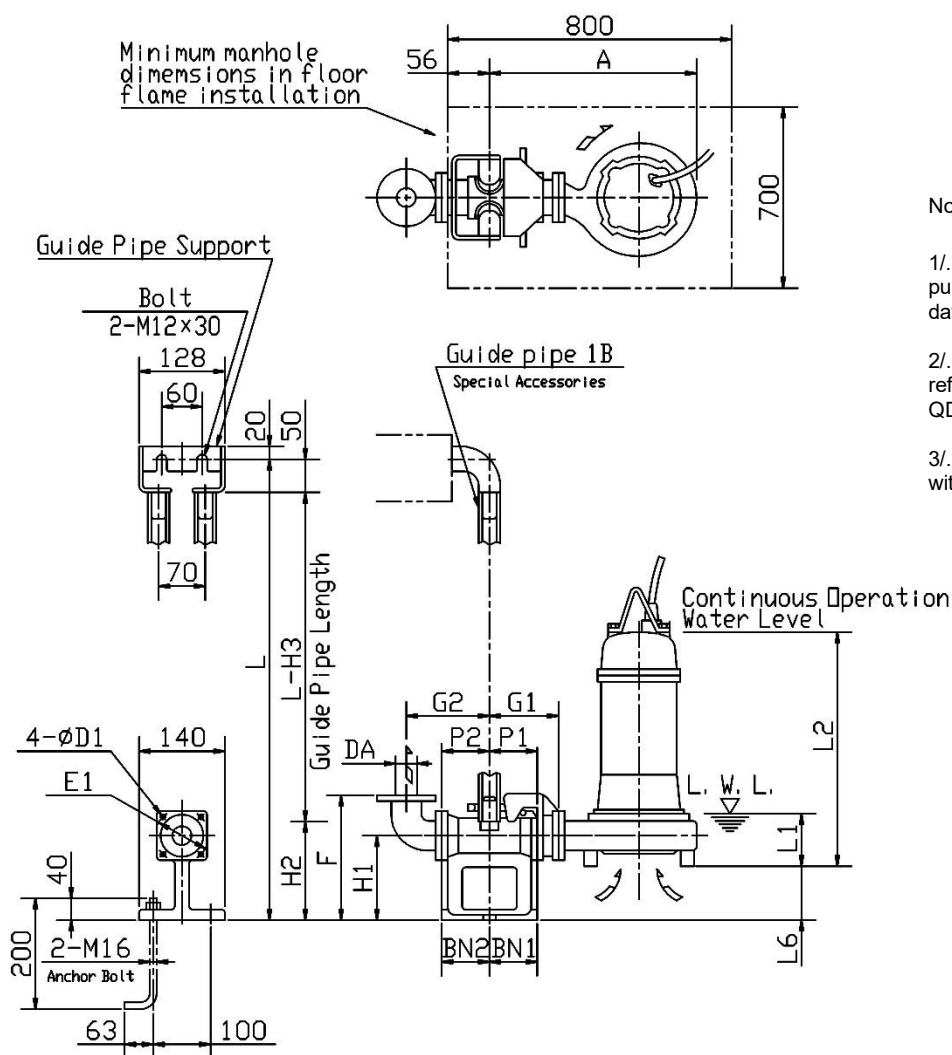
Note:

- 1/. L.W.L(Low Water Level)Is limited to 10 minutes operations at low water level.
- 2/. Is limited to 30 minutes operation with water level below top of motor.

Unit : mm

DA	Pump model	Output KW	A	B	C	D	E	F	G	H	J	L1	L2	CL m	Weight kg
65	65 DKE 51.5	1.5	505	294	358	147	265	322	217	769	200	265	675	10	61
80	80 DKE 51.5	1.5	565	295	417	148	317	326	206	765	220	262	671	10	60
	80 DKE 52.2	2.2	570	294	425	146	325	326	206	855	228	260	755	10	77
	80 DKE 53.7	3.7	594	323	439	155	339	326	206	848	242	267	748	10	88
	80 DKE 55.5	5.5	631	375	450	181	350	326	206	941	253	262	841	10	100
	80 DKE 57.5	7.5	677	394	483	194	383	326	206	941	286	262	841	10	133
100	100 DKEB 55.5	5.5	725	384	532	193	422	356	226	964	295	285	864	10	127
	100 DKEB 57.5	7.5	750	414	547	203	437	356	226	964	310	285	864	10	142
	100 DKEB 511	11	750	414	547	203	437	356	226	1063	310	285	903	10	175
	100 DKEB 515	15	777	436	562	215	452	356	226	1155	325	292	995	10	214
	100 DKEB 518	18.5	792	449	567	225	457	385	255	1177	330	321	1017	10	236
100	100 DKE 53.7	3.7	694	333	532	162	422	356	226	868	295	287	768	10	95
	100 DKE 55.5	5.5	739	414	532	207	422	406	276	993	295	376	893	10	132
	100 DKE 57.5	7.5	751	411	544	207	434	405	275	993	307	376	893	10	141
	100 DKE 511	11	763	438	547	216	437	405	275	1104	310	378	944	10	178
	100 DKE 515	15	790	456	565	226	455	405	275	1212	328	349	1052	10	212
	100 DKE 518	18.5	815	458	586	229	476	351	221	1137	349	293	977	10	231
	100 DKE 522	22	815	458	586	229	476	351	221	1137	349	293	977	10	244
150	150 DKE 55.5	5.5	846	422	637	209	494	460	300	1003	317	386	903	10	137
	150 DKE 57.5	7.5	846	422	637	209	494	460	300	1003	317	386	903	10	145
	150 DKE 511	11	886	479	644	242	501	436	276	1101	324	375	941	10	186
	150 DKE 515	15	908	480	664	244	521	460	300	1211	344	405	1051	10	211
	150 DKE 518	18.5	908	480	664	244	521	460	300	1225	344	405	1065	10	232
	150 DKE 522	22	987	524	725	263	582	512	352	1270	405	435	1110	10	292
200	200 DKE 57.5	7.5	1177	513	921	256	751	675	308	1035	384	418	935	10	176
	200 DKE 511	11	1202	533	935	267	765	675	308	1130	398	404	970	10	209
	200 DKE 515	15	1212	557	934	278	764	700	333	1238	397	432	1078	10	240
	200 DKE 518	18.5	1304	618	1000	305	830	733	366	1290	463	455	1130	10	318
	200 DKE 522	22	1304	618	1000	305	830	733	366	1290	463	455	1130	10	330
250	250 DKE 511	11	1049	594	753	297	555	694	364	1206	425	480	1046	10	238
	250 DKE 515	15	1049	594	753	297	555	694	364	1286	425	480	1126	10	261
	250 DKE 518	18.5	1049	594	753	297	555	694	364	1300	425	480	1140	10	281
	250 DKE 522	22	1049	594	753	297	555	694	364	1300	425	480	1140	10	294

- **Applicable Models – DKE IE3 with QDC**
LM65A, LM65JI, LM65DI, LM80A, LM80JI, LM80DI



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include:-

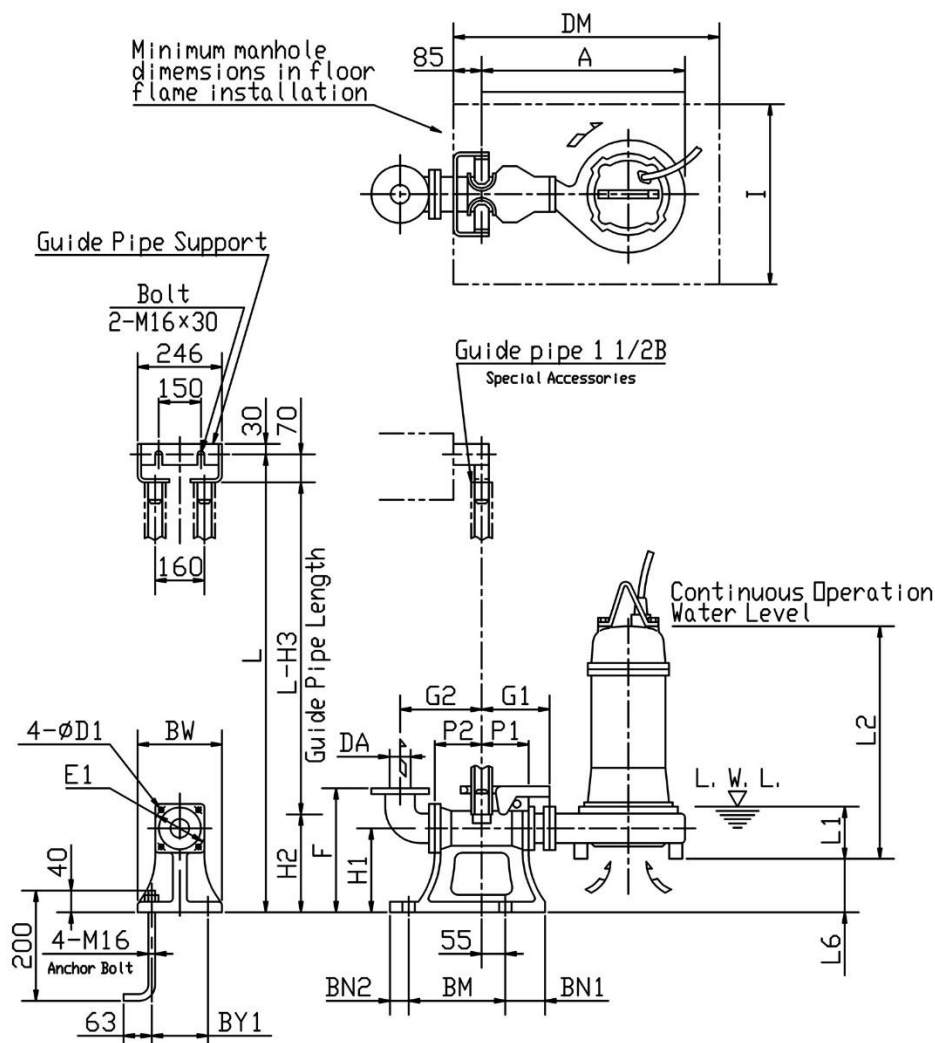
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

DA	QDC model	Pump model	Quick discharge connector																Weight kg
			A	P1	P2	G1	G2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	D1	E1	
65	LM65	65 DKE 51.5	467	75	95	120	160	250	145	190	240	165	575	29	75	95	12	140	14
		80 DKE 51.5	493	75	90	125	165	285	175	230	280	162	571	69	75	90	15	155	17
		80 DKE 52.2	498	75	90	125	165	285	175	230	280	160	655	69	75	90	15	155	17
		80 DKE 53.7	522	75	90	125	165	285	175	230	280	167	648	69	75	90	15	155	17

• Applicable Models – DKE IE3 with QDC LL80A, LL80JI, LL80DI



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include: -

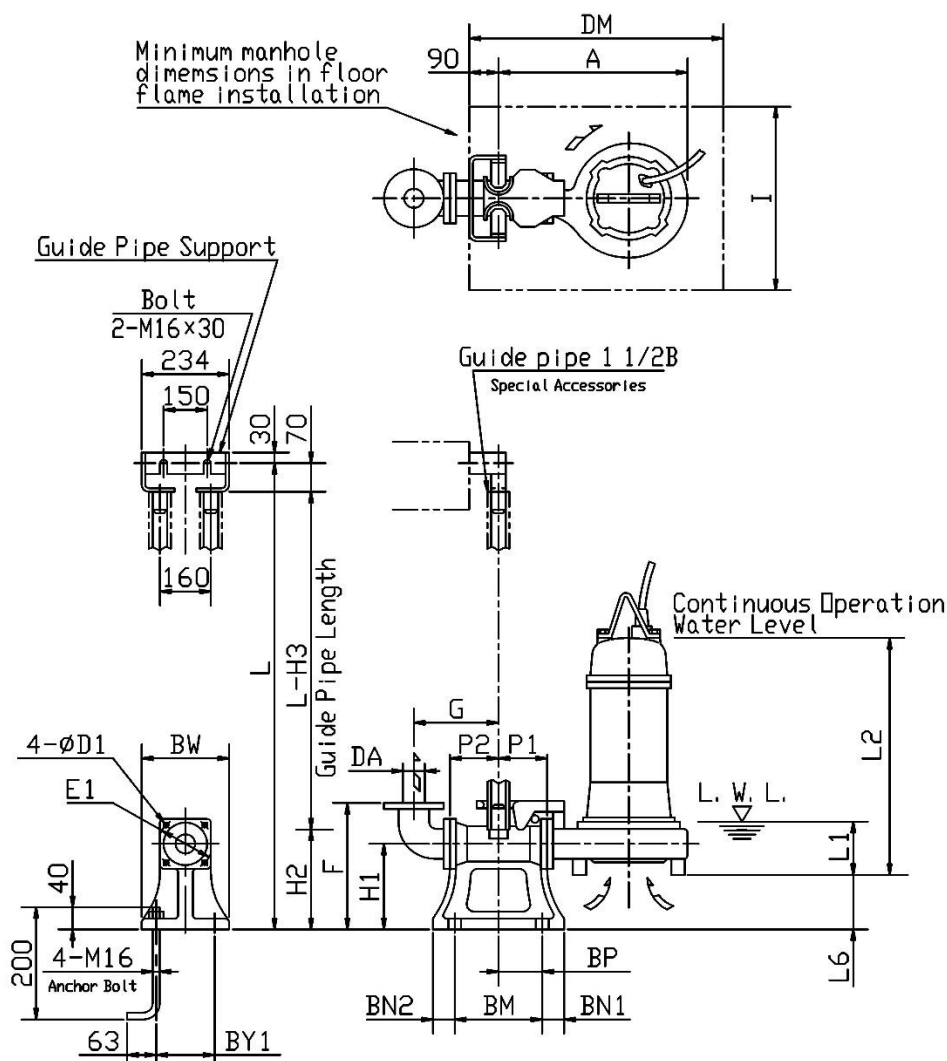
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm																								
DA	QDC model	Pump model	Quick discharge connector																				Weight kg	
			A	P1	P2	G1	G2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BY1	BW	DM	I	D1		E1
80	LL80	80 DKE 55.5	619	105	120	185	195	350	240	255	325	162	741	134	100	40	220	180	230	800	700	15	155	44
		80 DKE 57.5	665	105	120	185	195	350	240	255	325	162	741	134	100	40	220	180	230	800	700	15	155	44

Unit : mm

• Applicable Models – DKE IE3 with QDC LL100F



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include: -

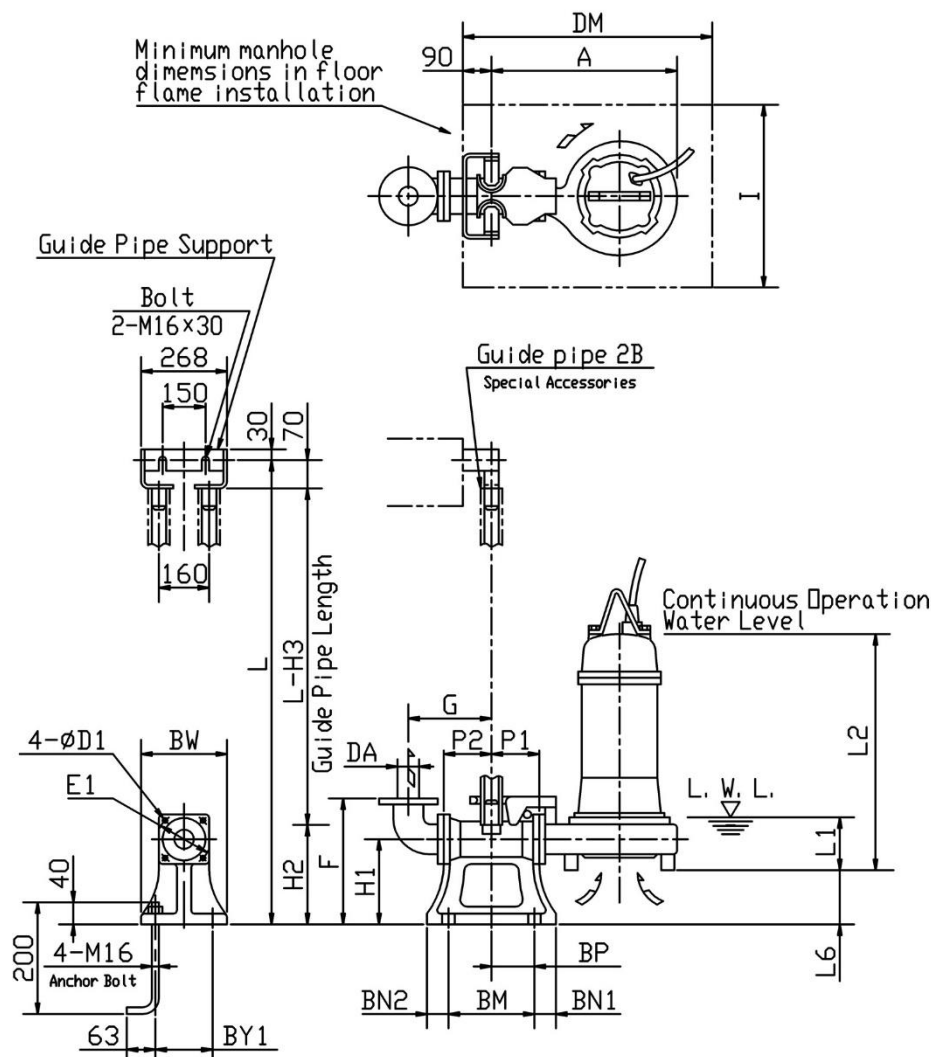
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm																								
DA	QDC model	Pump model	Quick discharge connector																				Weight kg	
			A	P1	P2	G	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	D1		E1
100	LL100F	100 DKEB 55.5	593	105	105	210	365	240	265	335	185	764	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKEB 57.5	618	105	105	210	365	240	265	335	185	764	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKEB 511	618	105	105	210	365	240	265	335	185	803	114	100	40	220	55	180	230	1000	700	19	175	46
		100 DKEB 515	645	105	105	210	365	240	265	335	192	895	115	100	40	220	55	180	230	1000	700	19	175	46
		100 DKEB 518	660	105	105	210	365	240	265	335	221	917	85	100	40	220	55	180	230	1000	700	19	175	46
100	LL100F	100 DKE 53.7	562	105	105	210	365	240	265	335	187	668	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKE 55.5	607	105	105	210	365	240	265	335	226	743	114	100	40	220	55	180	230	800	700	19	175	46
		100 DKE 57.5	619	105	105	210	365	240	265	335	226	743	115	100	40	220	55	180	230	800	700	19	175	46
		100 DKE 511	631	105	105	210	365	240	265	335	228	794	115	100	40	220	55	180	230	1000	700	19	175	46
		100 DKE 515	658	105	105	210	365	240	265	335	199	902	115	100	40	220	55	180	230	1000	700	19	175	46
		100 DKE 518	683	105	105	210	365	240	265	335	193	877	119	100	40	220	55	180	230	1000	700	19	175	46
		100 DKE 522	683	105	105	210	365	240	265	335	193	877	119	100	40	220	55	180	230	1000	700	19	175	46

Unit : mm

- **Applicable Models – DKE IE3 with QDC LL150F, LL150YF**



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

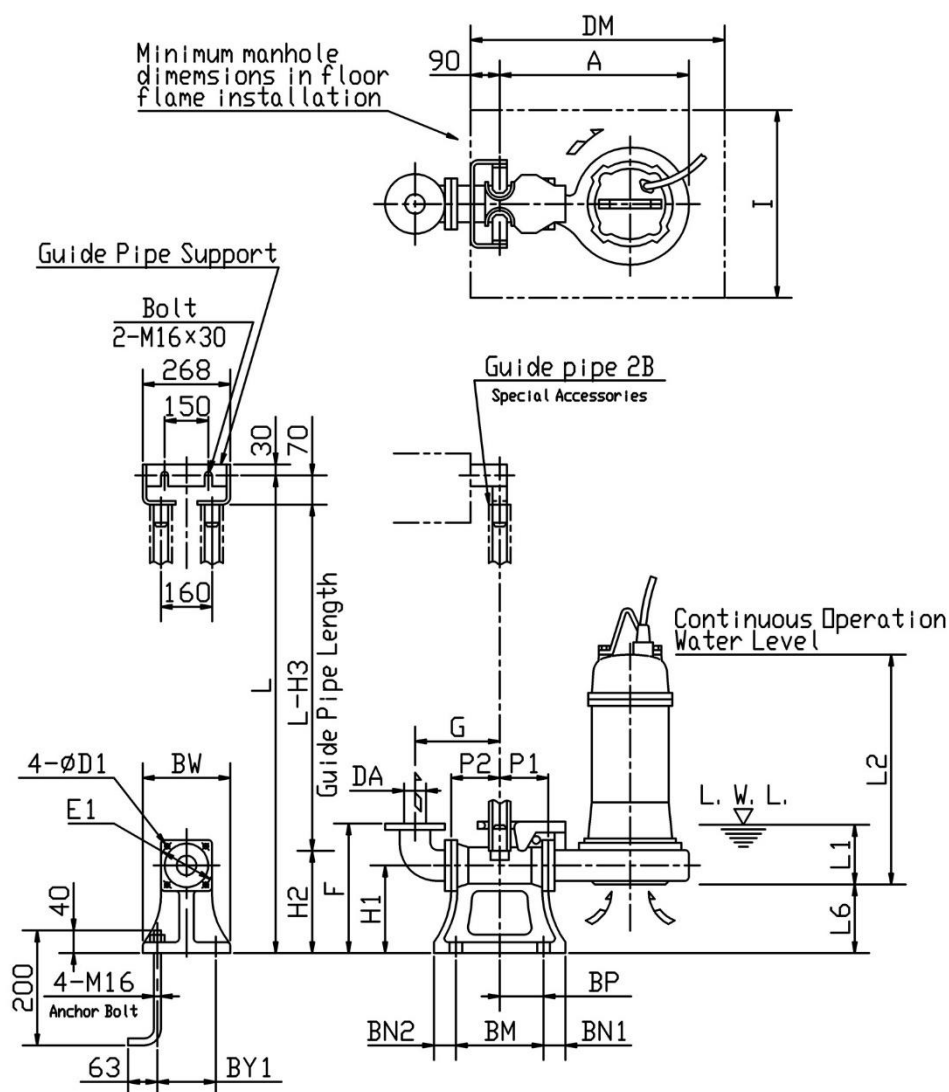
3/. Standard accessories supplied with QDC include:-

- Guide pipe support
- Sliding Glide
- Adaptor Flange

The Pipe is not supplied.

Unit : mm																								
DA	QDC model	Pump model	Quick discharge connector																				Weight kg	
			A	P1	P2	G	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	D1		E1
150	LL150F	150 DKE 55.5	681	155	205	355	480	320	405	475	236	753	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 57.5	681	155	205	355	480	320	405	475	236	753	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 511	721	155	205	355	480	320	405	475	250	816	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 515	743	155	205	355	480	320	405	475	255	901	170	60	60	390	170	300	350	1100	800	16	250	80
		150 DKE 518	743	155	205	355	480	320	405	475	255	915	170	60	60	390	170	300	350	1100	800	16	250	80
150	LL150YF	150 DKE 522	796	155	205	355	480	320	405	475	260	935	143	60	60	390	170	300	350	1100	800	16	250	80

- **Applicable Models – DKE IE3 with QDC LL150 (30kW~45kW)**



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. Standard accessories supplied with QDC include: -

QDC include: -

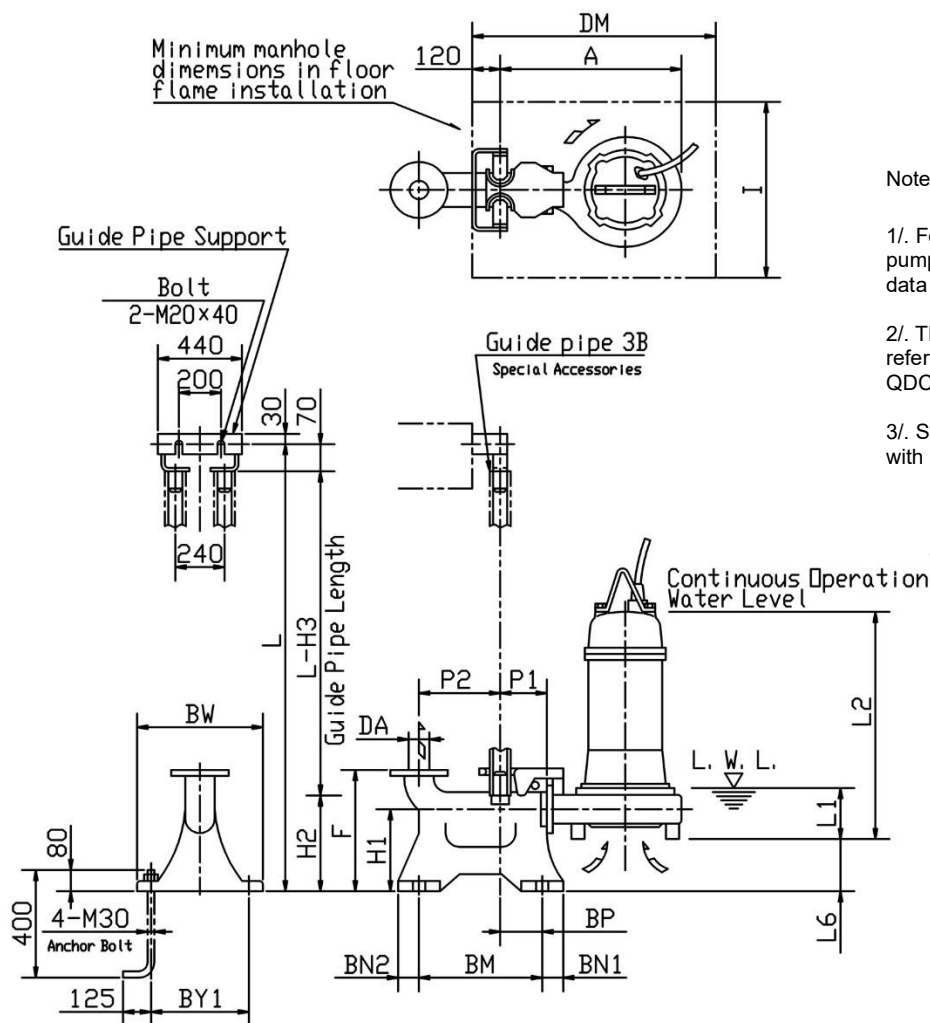
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

Size DA	QDC model	Pump model	Quick discharge connector																				Unit : mm		
			A	P1	P2	G	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	D1	E1	QDC	Pump
150	LL150	150 DKE 530	777	155	205	355	480	320	405	475	215	1004	209	60	60	390	170	300	350	1100	800	16	250	80	308
		150 DKE 537	777	155	205	355	480	320	405	475	215	1112	209	60	60	390	170	300	350	1100	800	16	250	80	364
		150 DKE 545	777	155	205	355	480	320	405	475	215	1112	209	60	60	390	170	300	350	1100	800	16	250	80	386
200	LL150	200 DKE 530	777	155	205	355	495	320	405	475	215	1004	209	60	60	390	170	300	350	1100	800	16	250	80	308
		200 DKE 537	777	155	205	355	495	320	405	475	215	1112	209	60	60	390	170	300	350	1100	800	16	250	80	364
		200 DKE 545	777	155	205	355	495	320	405	475	215	1112	209	60	60	390	170	300	350	1100	800	16	250	80	386

- Applicable Model – DKE IE3 with QDC LL250F, LL250YF, LL300F



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The weight in dimension tables refers only to the weight of the QDC.

3/. Standard accessories supplied with QDC include: -

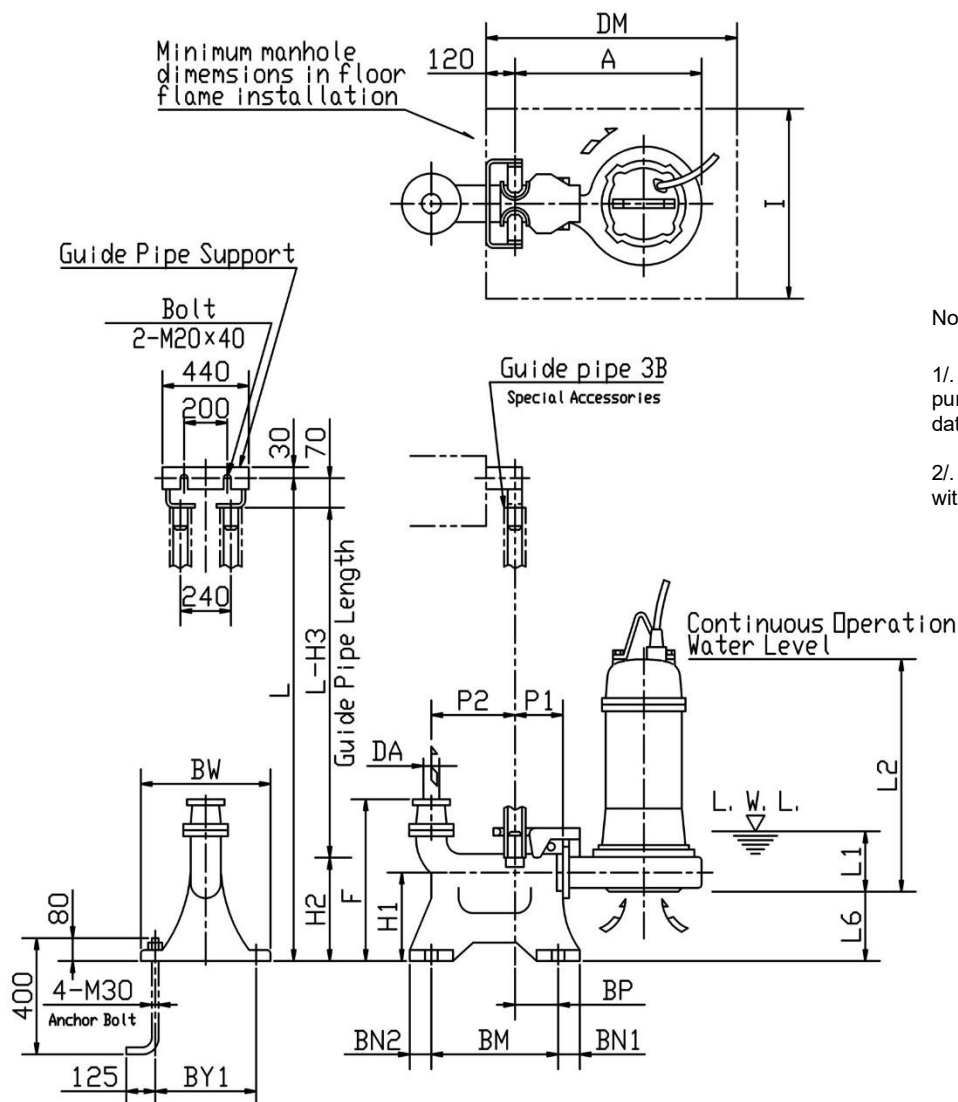
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

DA	QDC model	Pump model	Quick discharge connector																		Weight kg
			A	P1	P2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	
250	LL250F	200 DKE 57.5	835	195	435	700	350	440	510	293	810	167	70	70	650	215	500	560	1200	900	150
		200 DKE 511	860	195	435	700	350	440	510	279	845	167	70	70	650	215	500	560	1200	900	150
		200 DKE 515	870	195	435	700	350	440	510	282	928	167	70	70	650	215	500	560	1200	900	150
250	LL250YF	200 DKE 518	962	195	435	700	350	440	510	280	955	160	70	70	650	215	500	560	1200	900	150
		200 DKE 522	962	195	435	700	350	440	510	280	955	160	70	70	650	215	500	560	1200	900	150
300	LL300F	250 DKE 511	917	195	465	800	430	550	620	330	896	216	70	70	680	215	580	640	1200	900	200
		250 DKE 515	917	195	465	800	430	550	620	330	976	216	70	70	680	215	580	640	1200	900	200
		250 DKE 518	917	195	465	800	430	550	620	330	990	216	70	70	680	215	580	640	1200	900	200
		250 DKE 522	917	195	465	800	430	550	620	330	990	216	70	70	680	215	580	640	1200	900	200

- Applicable Models – DKE IE3 with QDC LL300 (250DKE 30kW~45kW)



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. Standard accessories supplied with QDC include: -

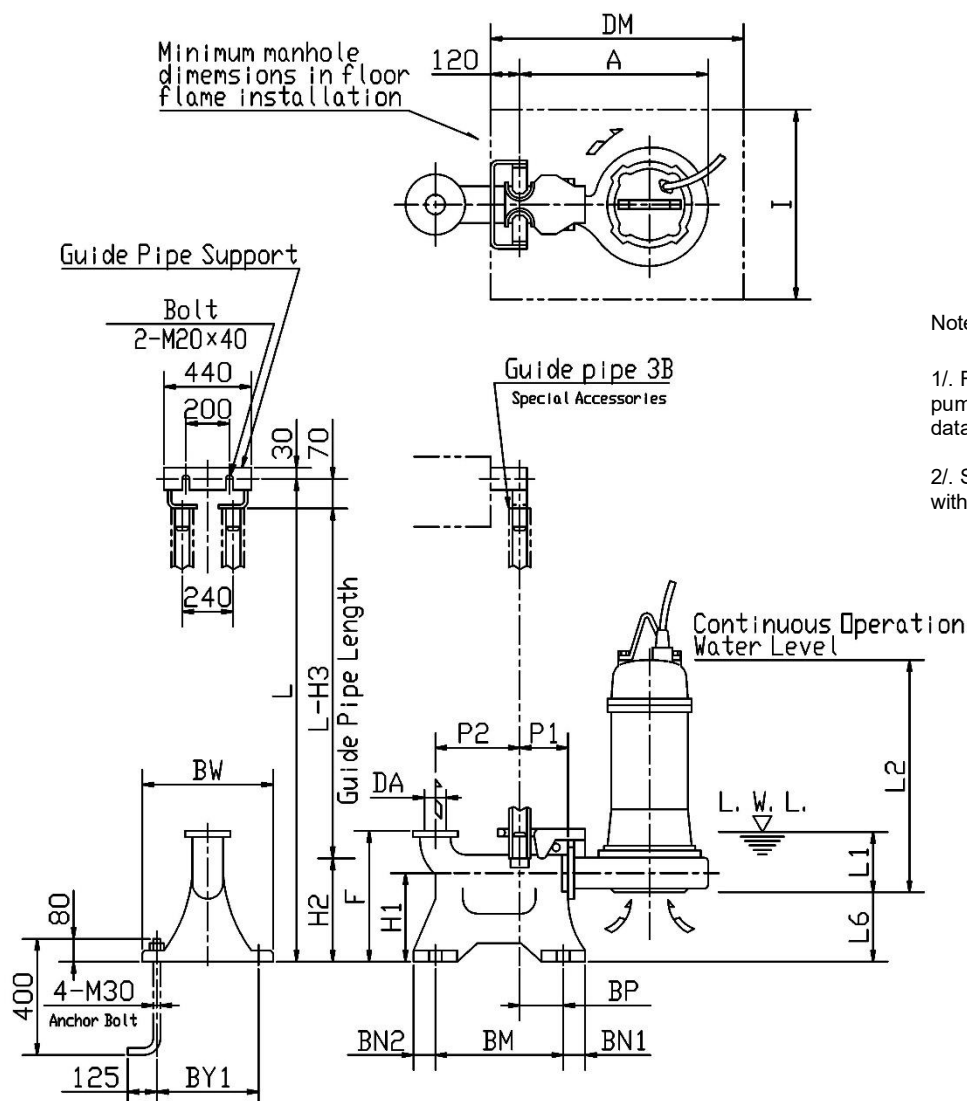
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide Pipe is not supplied.

Unit : mm

Size DA	QDC model	Pump model	Quick discharge connector																		Weight kg	
			A	P1	P2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	QDC	Pump
250	LL300	250 DKE 530	990	195	465	970	430	550	620	237	1001	300	70	70	680	215	580	640	1200	900	200	385
		250 DKE 537	990	195	465	970	430	550	620	237	1128	300	70	70	680	215	580	640	1200	900	200	441
		250 DKE 545	990	195	465	970	430	550	620	237	1128	300	70	70	680	215	580	640	1200	900	200	462

- Applicable Models – DKE IE3 with QDC LL300 (300DKE 30kW~45kW)



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. Standard accessories supplied with QDC include: -

- Guide pipe support
- Sliding Glide
- Adaptor Flange

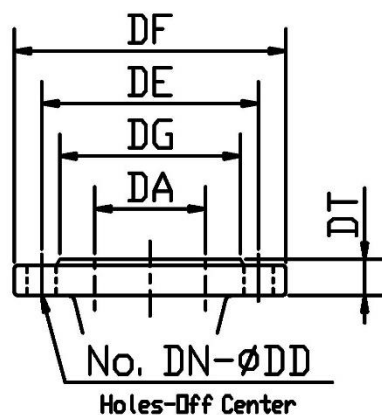
Guide Pipe is not supplied.

Unit : mm

Size DA	QDC model	Pump model	Quick discharge connector																		Weight kg	
			A	P1	P2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	QDC	Pump
300	LL300	300 DKE 530	990	195	465	800	430	550	620	237	1001	300	70	70	680	215	580	640	1200	900	200	385
		300 DKE 537	990	195	465	800	430	550	620	237	1128	300	70	70	680	215	580	640	1200	900	200	441
		300 DKE 545	990	195	465	800	430	550	620	237	1128	300	70	70	680	215	580	640	1200	900	200	462

- **Flange**

Discharge Flange



JIS

Unit : mm

DA	DE	DF	DG	DT	DN	DD
50	120	155	96	18	4	15
65	140	175	116	18	4	15
80	150	185	126	18	8	15
100	175	210	151	20	8	15
150	240	280	212	26	8	23
200	290	330	262	26	12	23
250	355	400	324	30	12	25
300	400	445	368	32	16	25

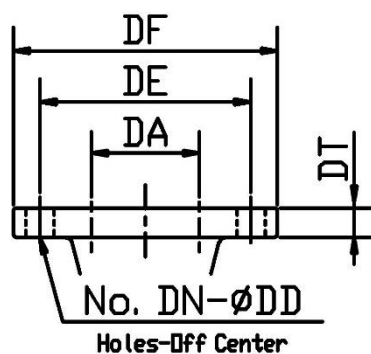
DIN

Unit : mm

DA	DE	DF	DG	DT	DN	DD
50	125	165	99	20	4	18
65	145	185	118	20	4	18
80	160	200	138	22	8	18
100	180	220	158	24	8	18
150	240	285	211	26	8	22
200	295	340	266	26	8	22
250	350	395	319	30	12	22
300	400	445	370	32	12	22

Discharge Flange

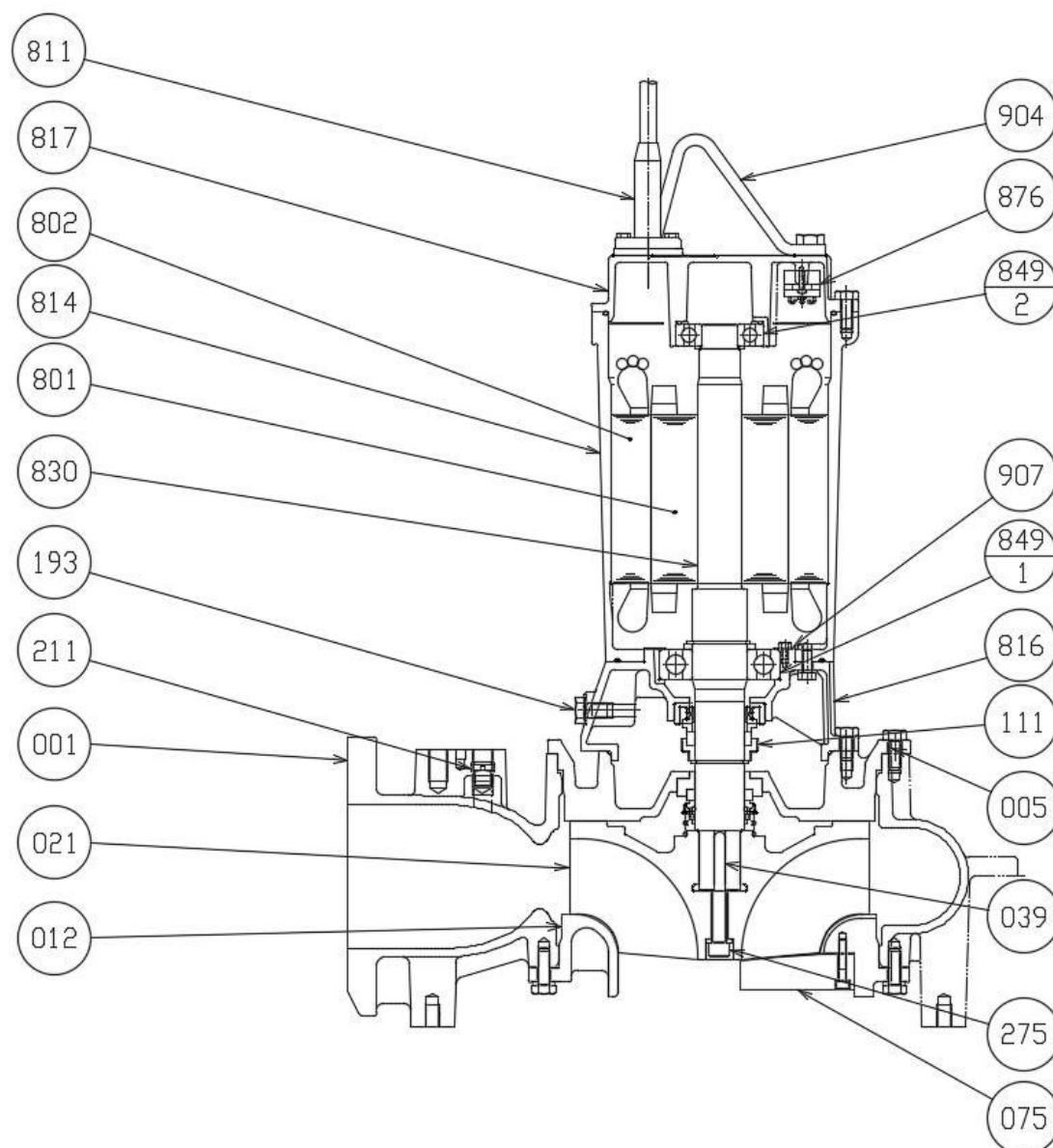
(ANSI 125 PSI F.F.)



ANSI

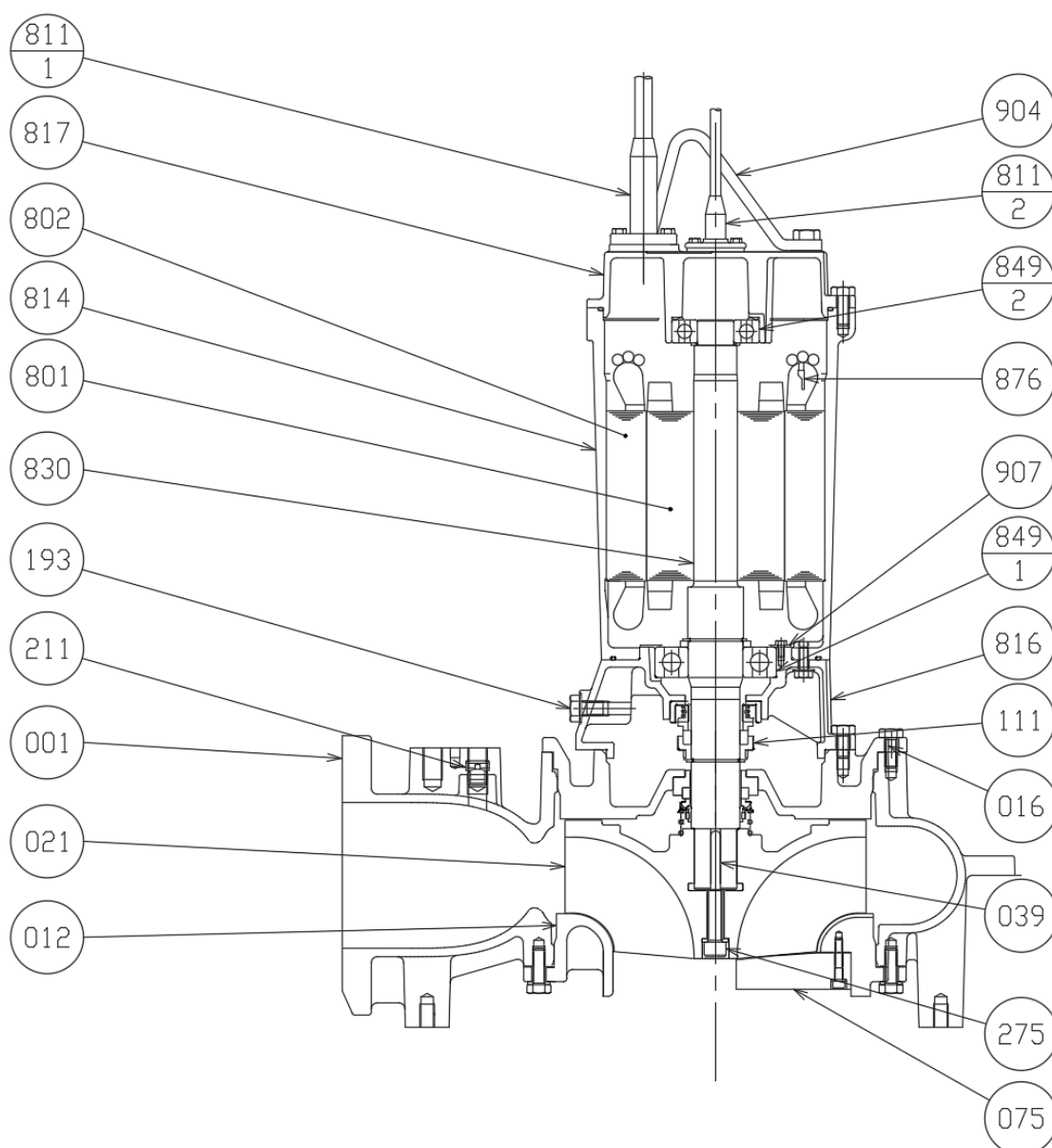
Unit : mm

DA	DE	DF	DT	DN	DD
50	121	152	16	4	19
65	140	180	18	4	19
80	152	191	19	4	19
100	191	229	24	8	19
150	241	279	25	8	22
200	298	343	29	8	22
250	362	406	30	12	25
300	432	483	32	12	25



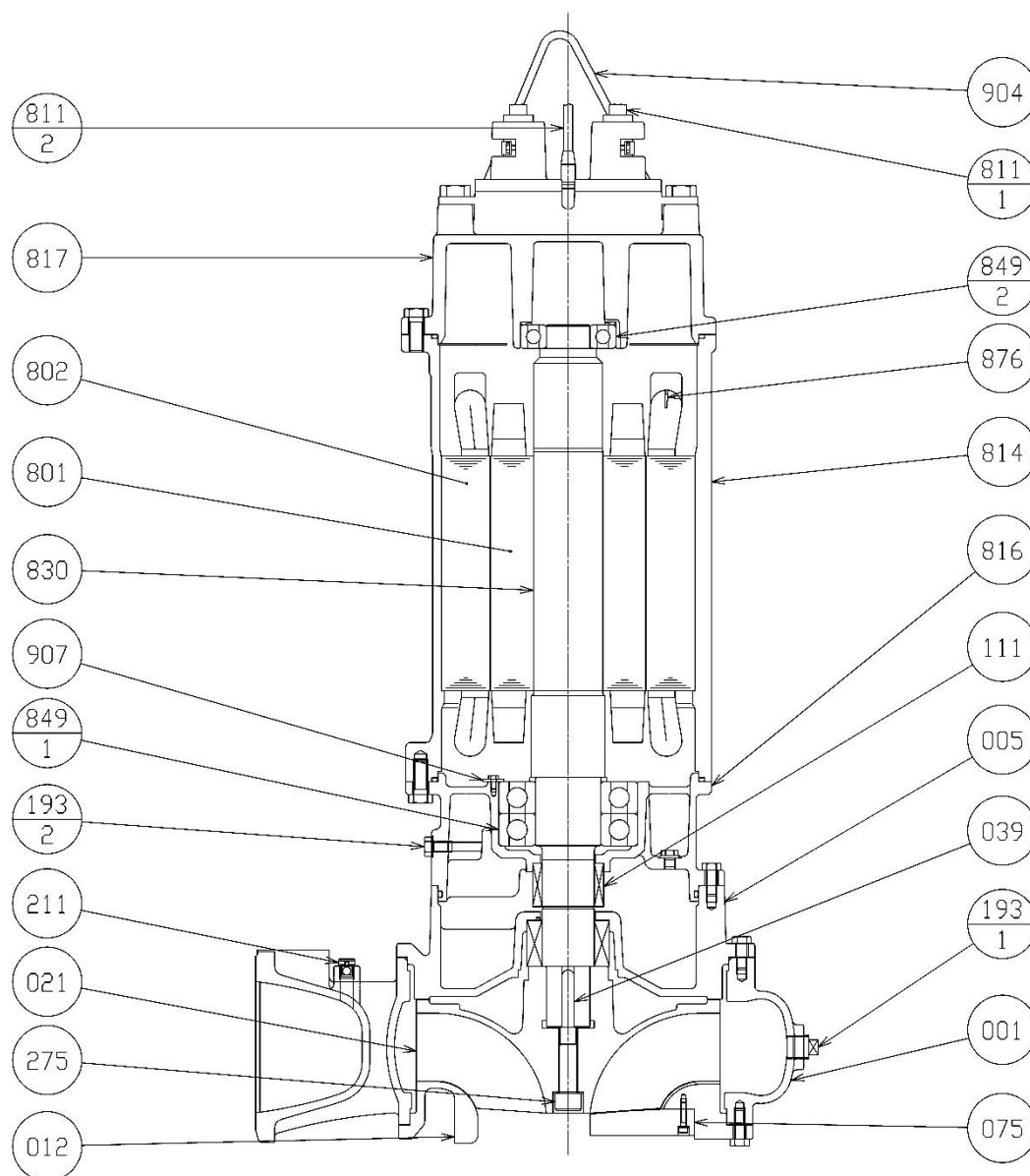
Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250/ Cast iron/ FCD400 Ductile Cast Iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FC250/ Cast iron/ FCD400 Ductile Cast Iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast Iron	1
111	Mechanical Seal		1
193	Oil Plug	NBR / SUS304	1 set
211	Air Vent Valve	SUS304 Stainless Steel	1
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1

Item Number	Part Name	Material	Qty per unit
802	Stator		1
811	Submersible Cable (Power)		1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Braket	FC200 Cast iron	1
817	Opposite Side Braket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Automatic cutting		1
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1



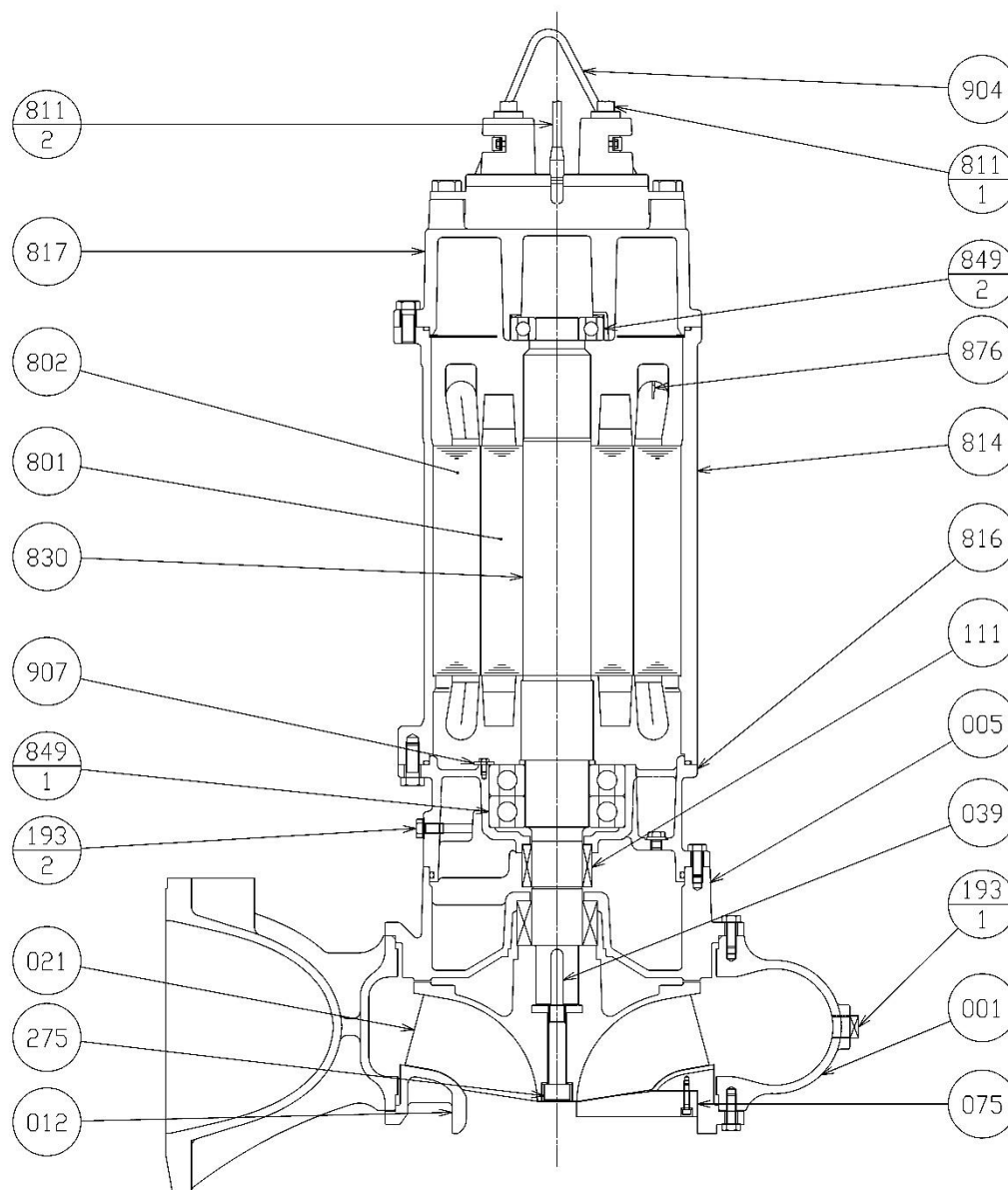
Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250/ FCD400 Cast iron/ Ductile cast iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FC250/ FCD400/FCD500 Cast iron/ Ductile cast iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast iron	1
111	Mechanical Seal		1
193	Oil Plug	NBR / SUS304	1 set
211	Air Vent Valve	SUS304 Stainless Steel	1
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1
802	Stator		1

Item Number	Part Name	Material	Qty per unit
811-1	Submersible Cable (Power)		2
811-2	Submersible Cable (Signal)		1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Bracket	FC200 Cast iron	1
817	Opposite Side Bracket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Thermal Protector		2
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1



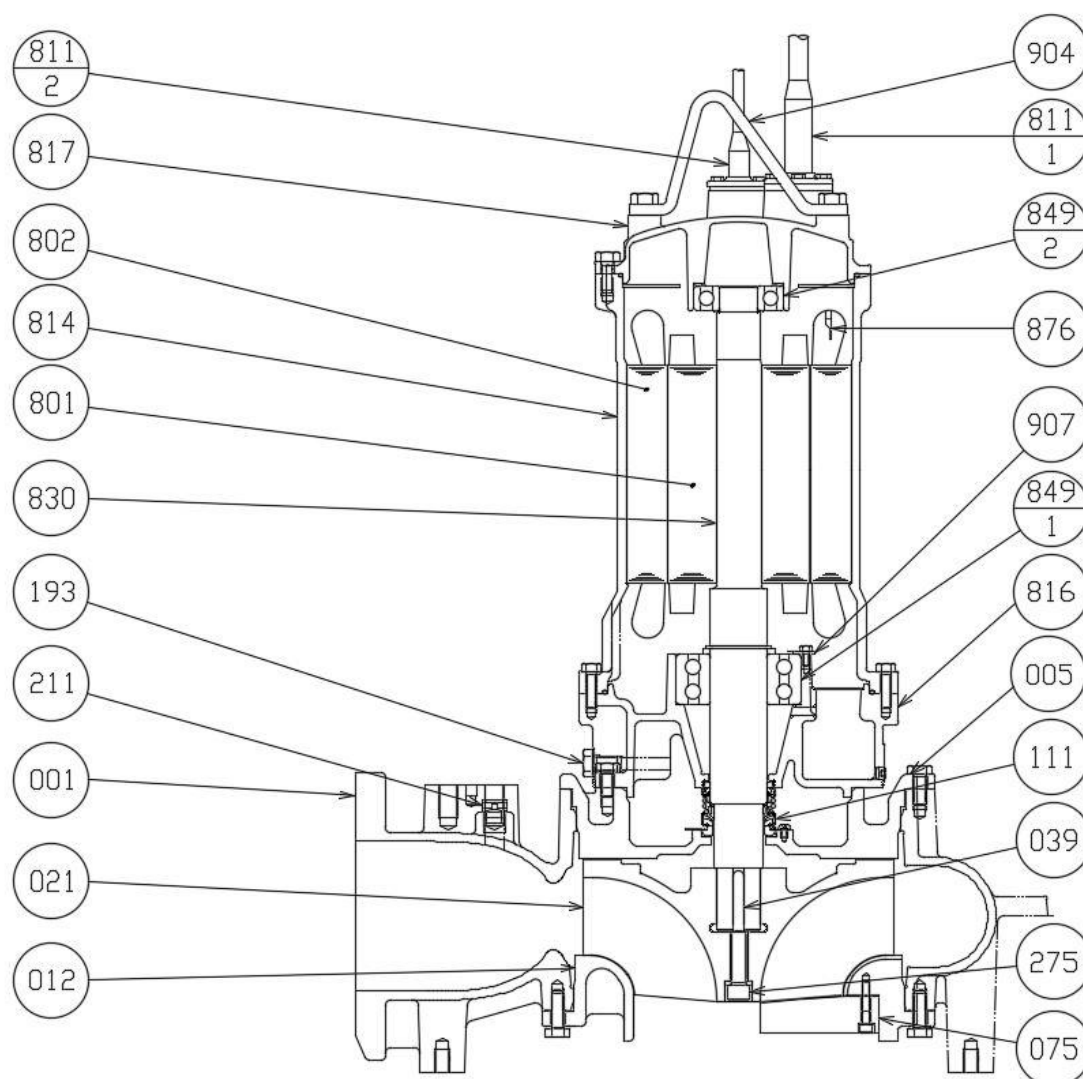
Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250 Cast iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FCD400 Ductile Cast Iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast Iron	1
111	Mechanical Seal		1
193-1	Plug	SUS304	2
193-2	Oil Plug	NBR / SUS304	2 set
211	Air Vent Valve	SUS304 Stainless Steel	1
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1

Item Number	Part Name	Material	Qty per unit
802	Stator		1
811-1	Submersible Cable (Power)		2
811-2	Submersible Cable (Signal)	FC200 Cast iron	1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Braket	FC200 Cast iron	1
817	Opposite Side Braket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Thermal Protector		2
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1



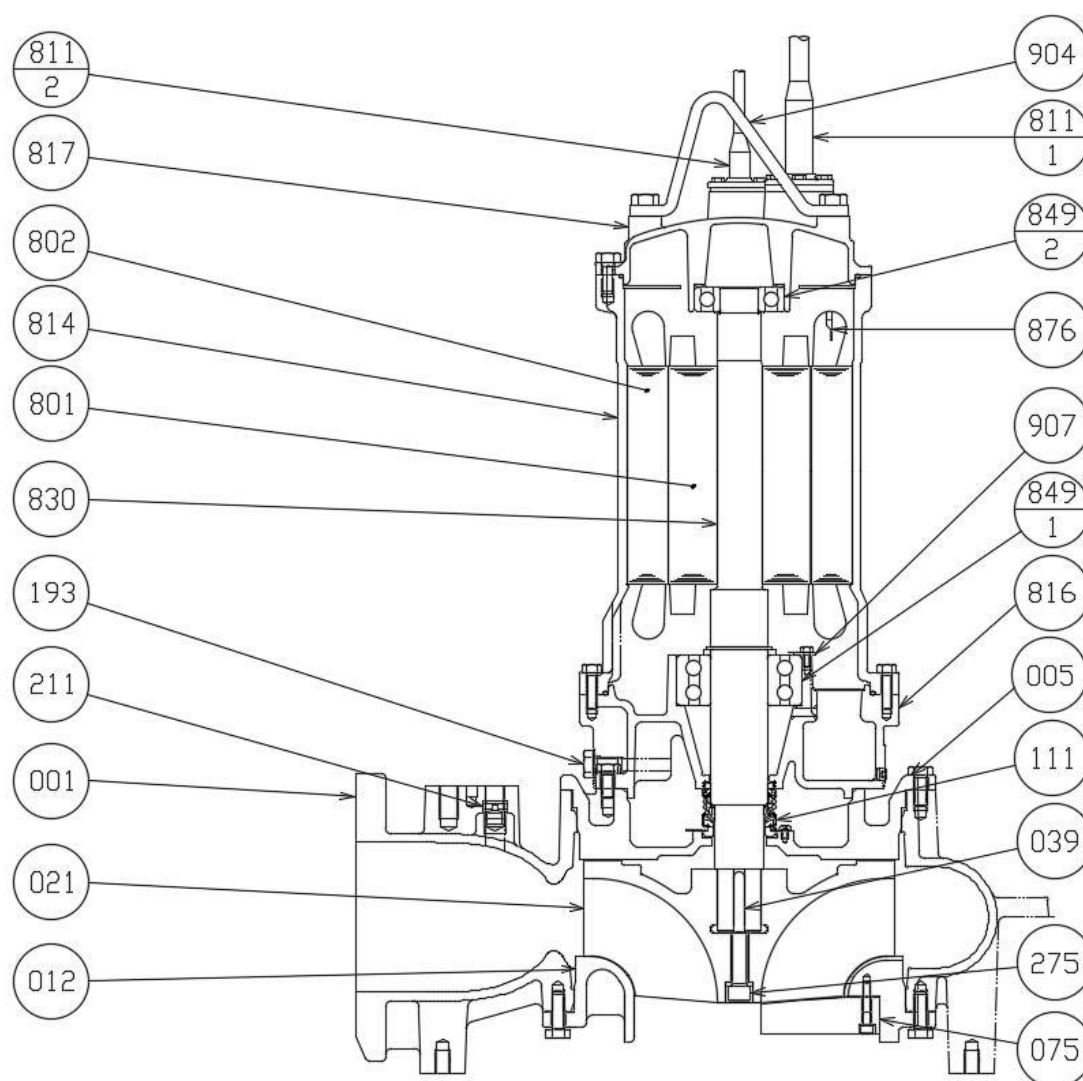
Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250 Cast iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FCD400 Ductile Cast Iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast Iron	1
111	Mechanical Seal		1
193-1	Plug	SUS304	2
193-2	Oil Plug	NBR / SUS304	2 set
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1

Item Number	Part Name	Material	Qty per unit
802	Stator		1
811-1	Submersible Cable (Power)		2
811-2	Submersible Cable (Signal)	FC200 Cast iron	1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Braket	FC200 Cast iron	1
817	Opposite Side Braket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Thermal Protector		2
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1



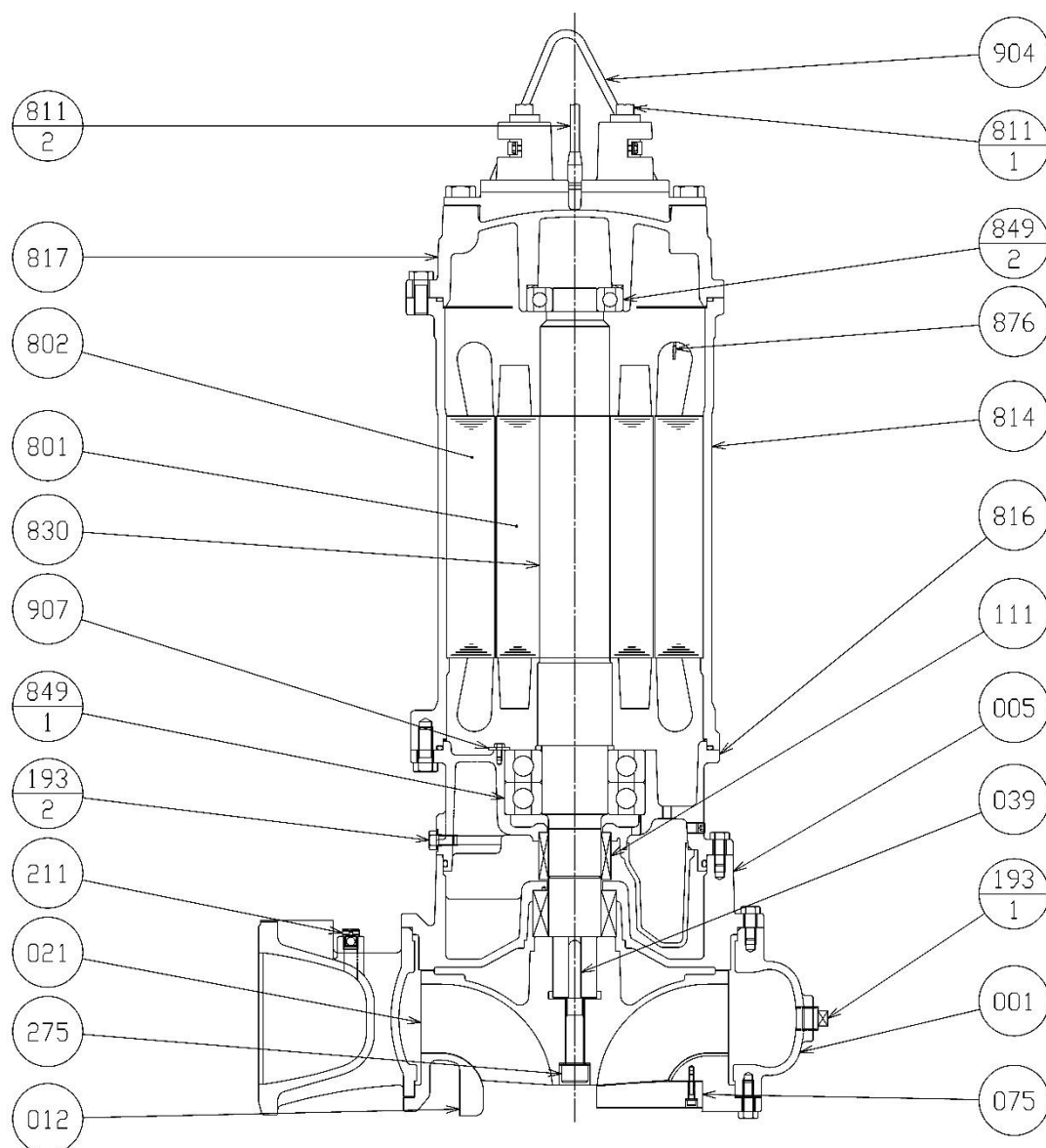
Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250/ FCD400 Cast iron/ Ductile cast iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FC250/ FCD400/FCD500 Cast iron/ Ductile cast iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast iron	1
111	Mechanical Seal		1
193	Oil Plug	NBR / SUS304	1 set
211	Air Vent Valve	SUS304 Stainless Steel	1
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1
802	Stator		1

Item Number	Part Name	Material	Qty per unit
811-1	Submersible Cable (Power)		1
811-2	Submersible Cable (Signal)		1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Bracket	FC200 Cast iron	1
817	Opposite Side Bracket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Thermal Protector		2
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1



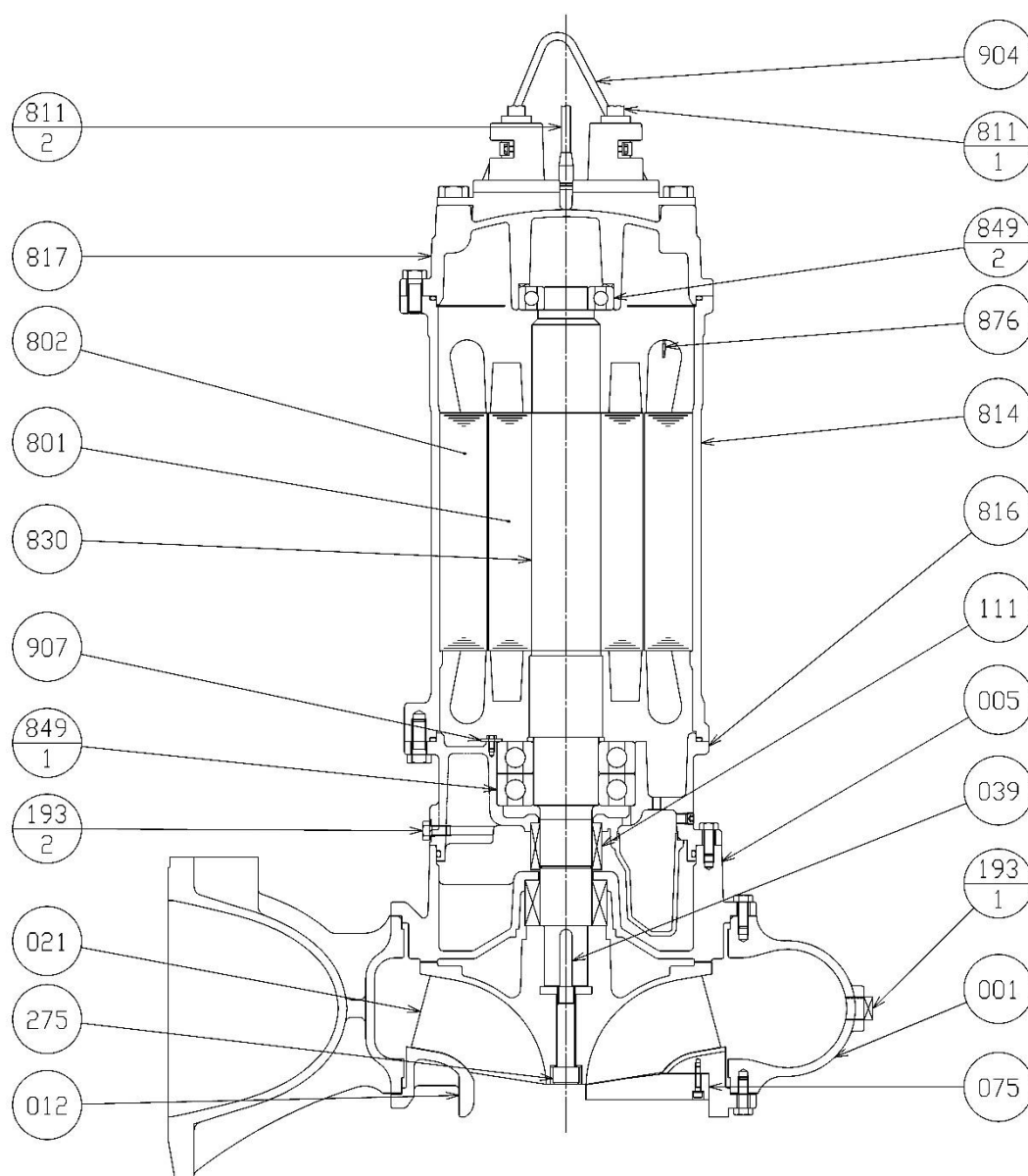
Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250/ Cast iron/ FCD400 Ductile cast iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FC250/ Cast iron/ FCD400/FCD500 Ductile cast iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast iron	1
111	Mechanical Seal		1
193	Oil Plug	NBR / SUS304	1 set
211	Air Vent Valve	SUS304 Stainless Steel	1
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1
802	Stator		1

Item Number	Part Name	Material	Qty per unit
811-1	Submersible Cable (Power)		2
811-2	Submersible Cable (Signal)		1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Braket	FC200 Cast iron	1
817	Opposite Side Bracket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Thermal Protector		2
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1



Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250 Cast iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FCD400 Ductile Cast Iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast Iron	1
111	Mechanical Seal		1
193-1	Plug	SUS304	2
193-2	Oil Plug	NBR / SUS304	2 set
211	Air Vent Valve	SUS304 Stainless Steel	1
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1

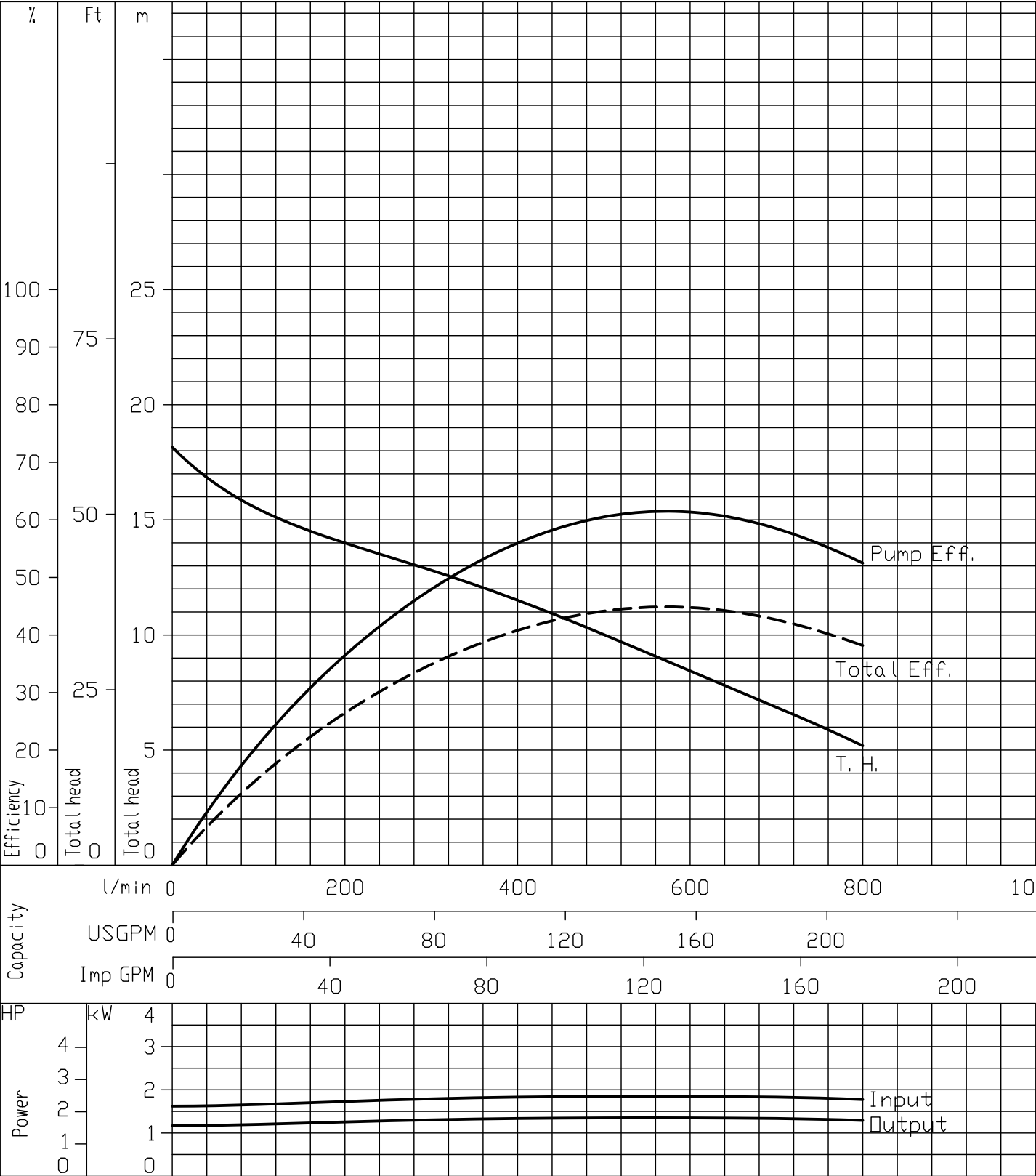
Item Number	Part Name	Material	Qty per unit
802	Stator		1
811-1	Submersible Cable (Power)		2
811-2	Submersible Cable (Signal)		1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Bracket	FC200 Cast iron	1
817	Opposite Side Bracket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Thermal Protector		2
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1



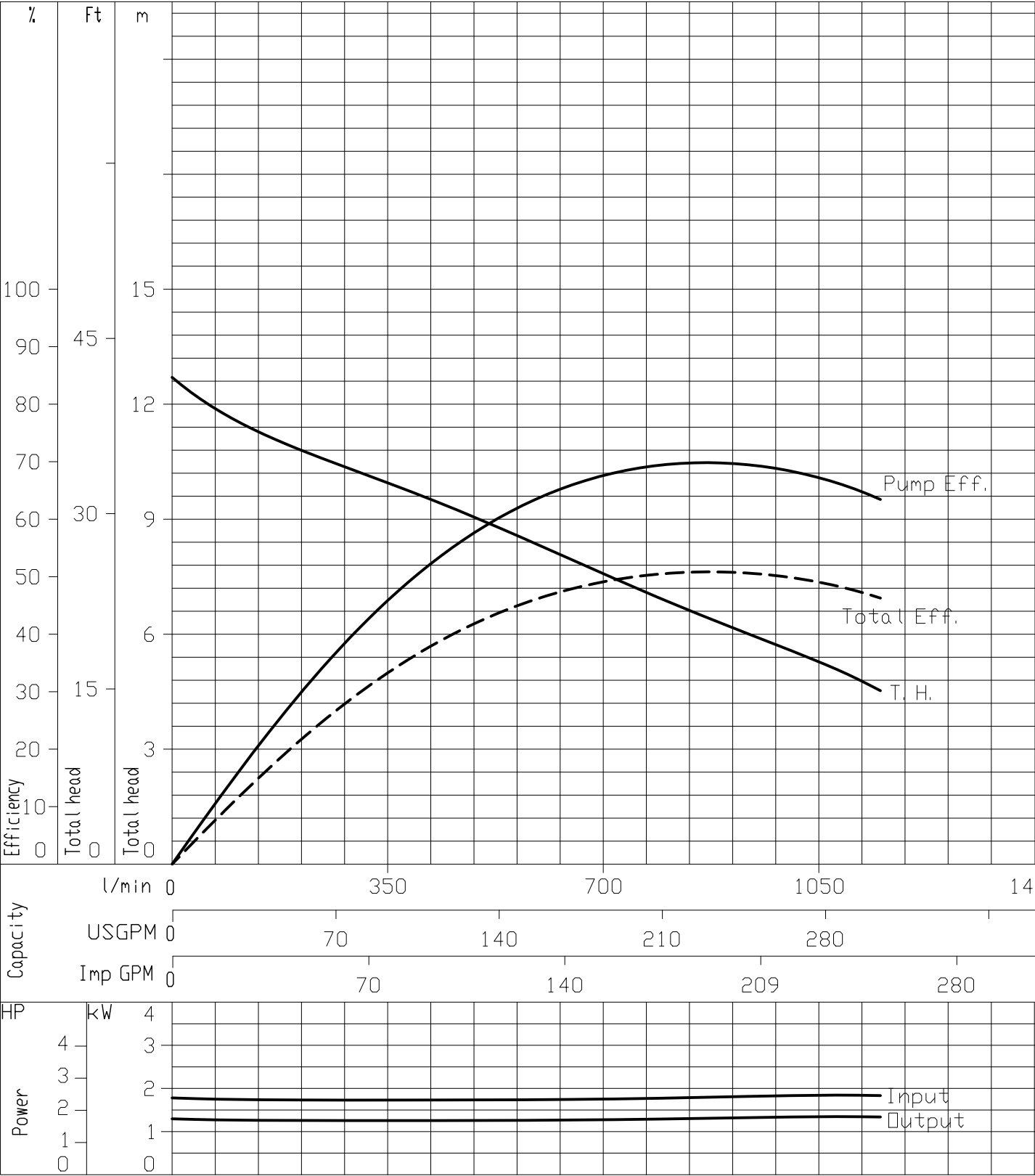
Item Number	Part Name	Material	Qty per unit
001	Pump Casing	FC250 Cast iron	1
005	Intermediate Casing	FC250 Cast iron	1
012	Suction Cover	FC250 Cast iron	1
021	Impeller	FCD400 Ductile Cast Iron	1
039	Key	SUS420 Stainless Steel	1
075	Guide Pin	FCD400 Ductile Cast Iron	1
111	Mechanical Seal		1
193-1	Plug	SUS304	2
193-2	Oil Plug	NBR / SUS304	2 set
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1

Item Number	Part Name	Material	Qty per unit
802	Stator		1
811-1	Submersible Cable (Power)		2
811-2	Submersible Cable (Signal)		1
814	Motor Frame	FC200 Cast iron	1
816	Power Side Braket	FC200 Cast iron	1
817	Opposite Side Braket	FC200 Cast iron	1
830	Shaft	12Cr13 (SUS410) Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Thermal Protector		2
904	Lifting Hanger	SS Steel	1
907	Bearing Cover	SPCC Steel	1

65DKE51.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



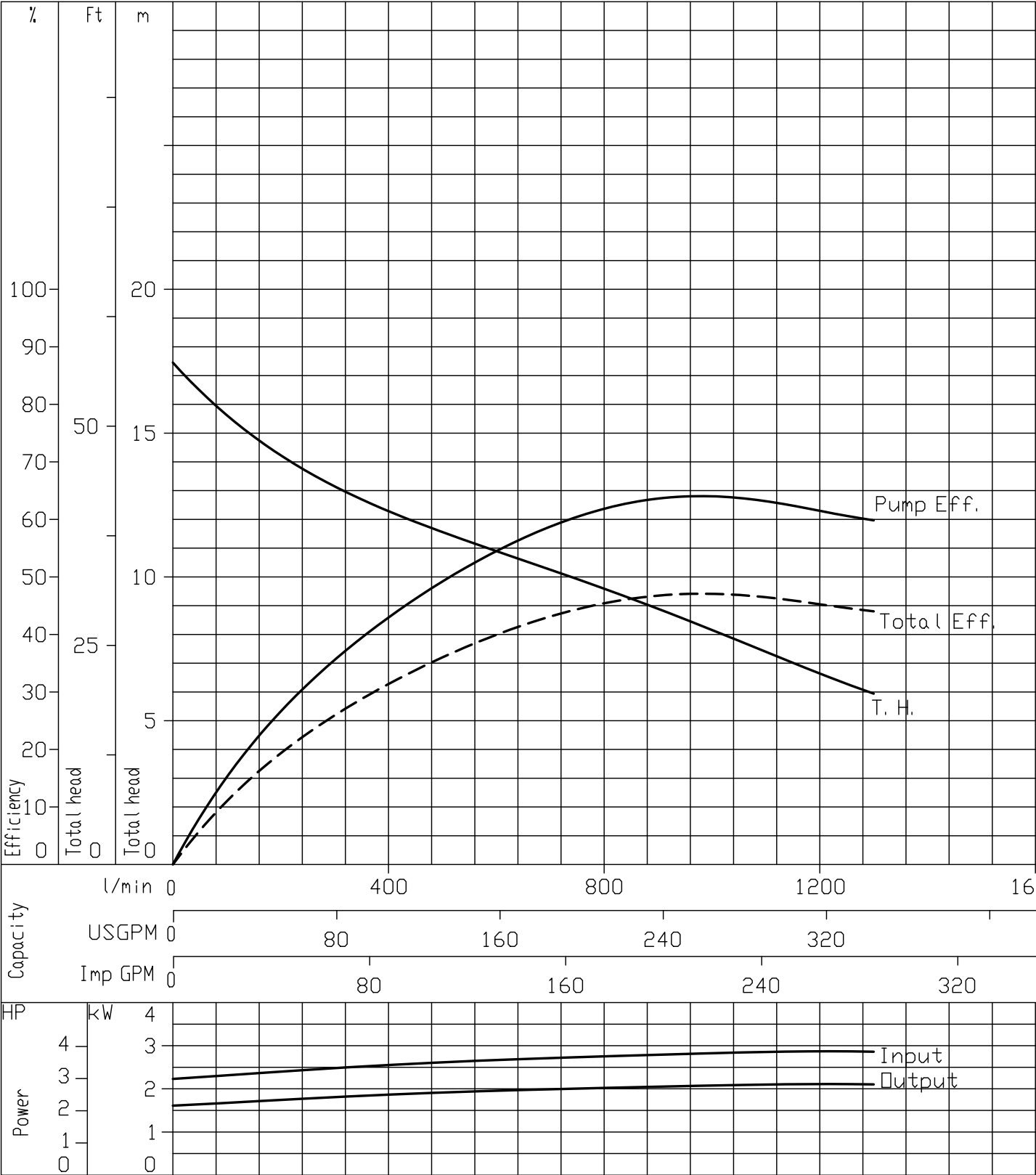
80DKE51.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



Performance Curve
4 Poles

50Hz

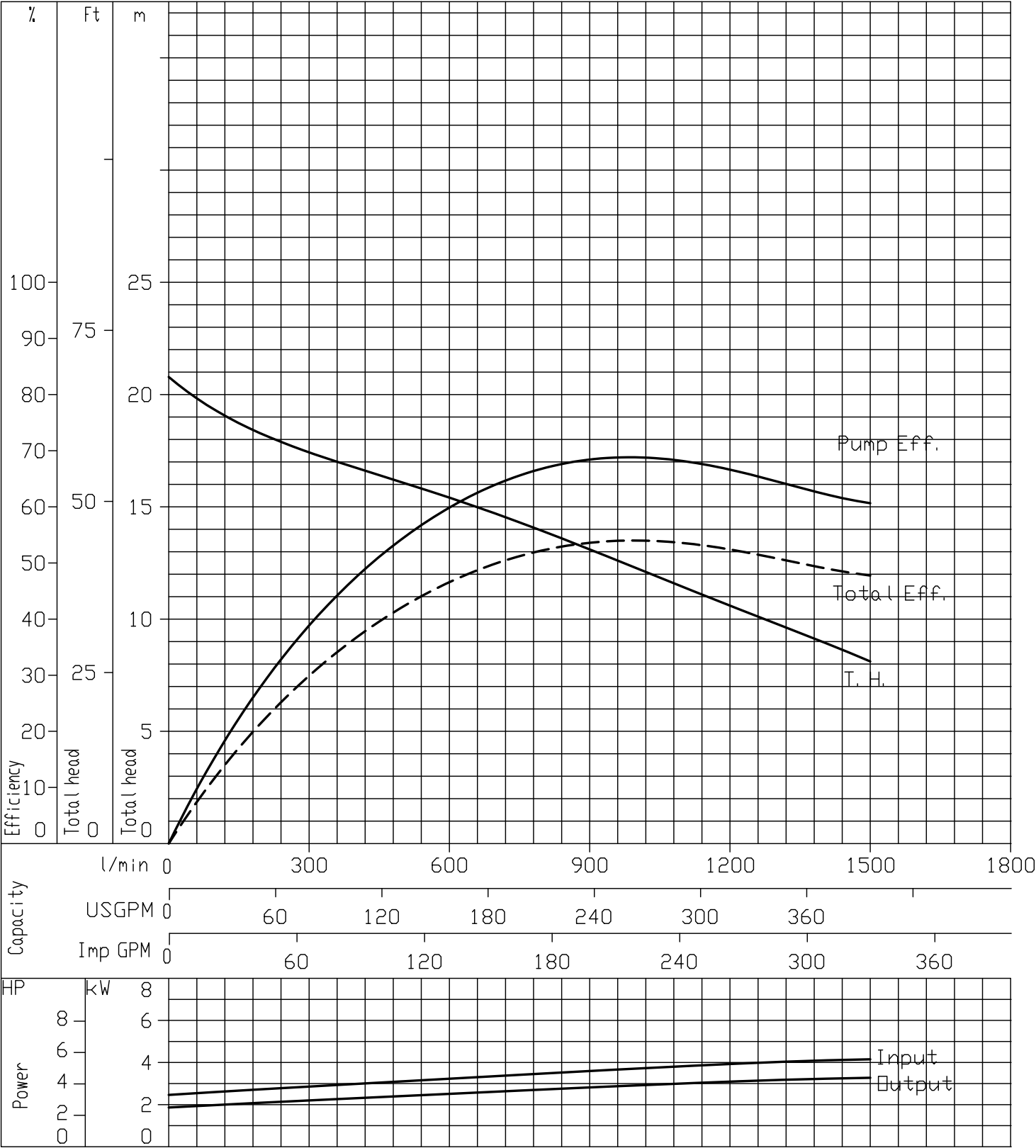
80DKE52. 2	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



Performance Curve
4 Poles

50Hz

80DKE53.7	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

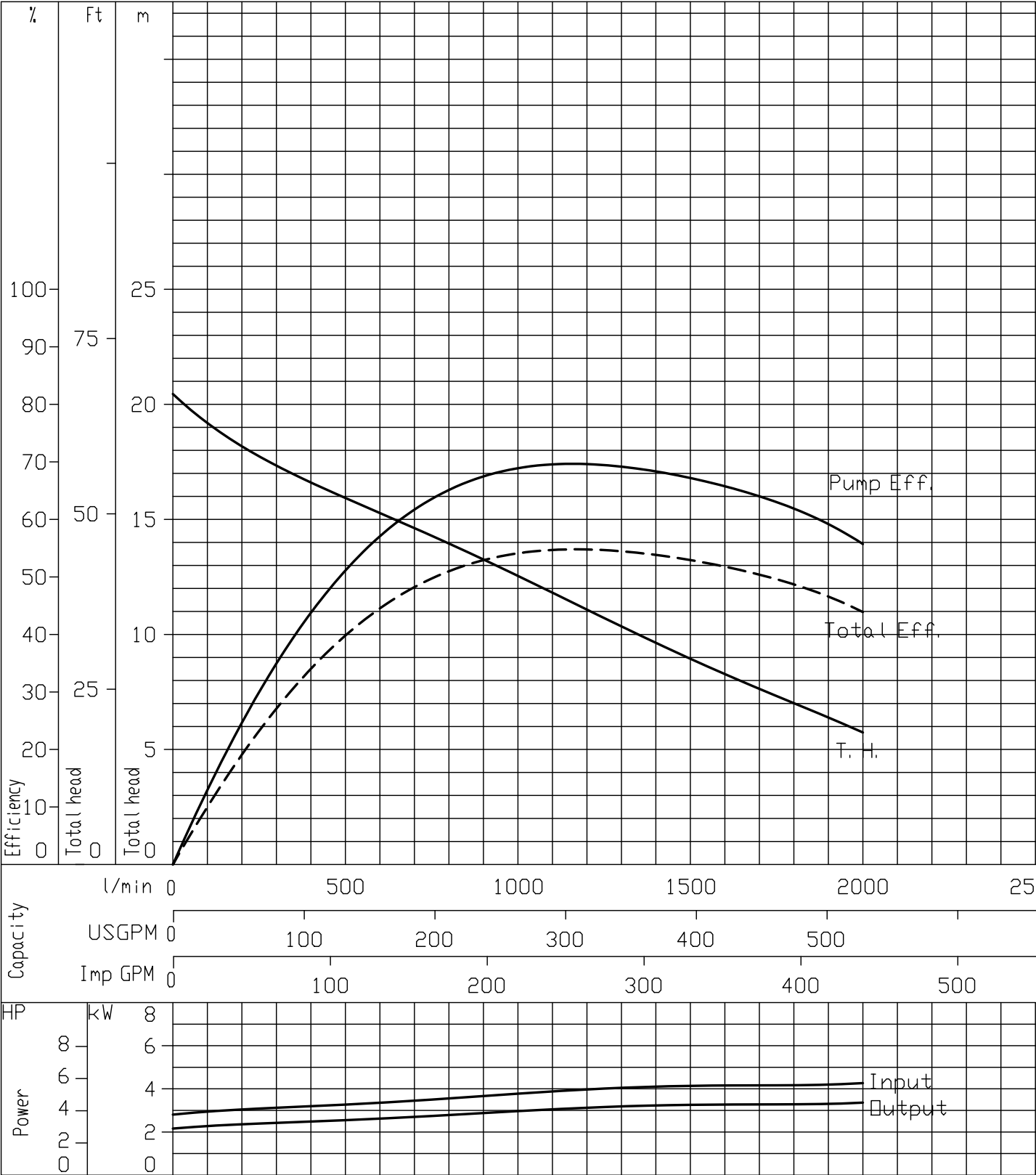


Performance Curve

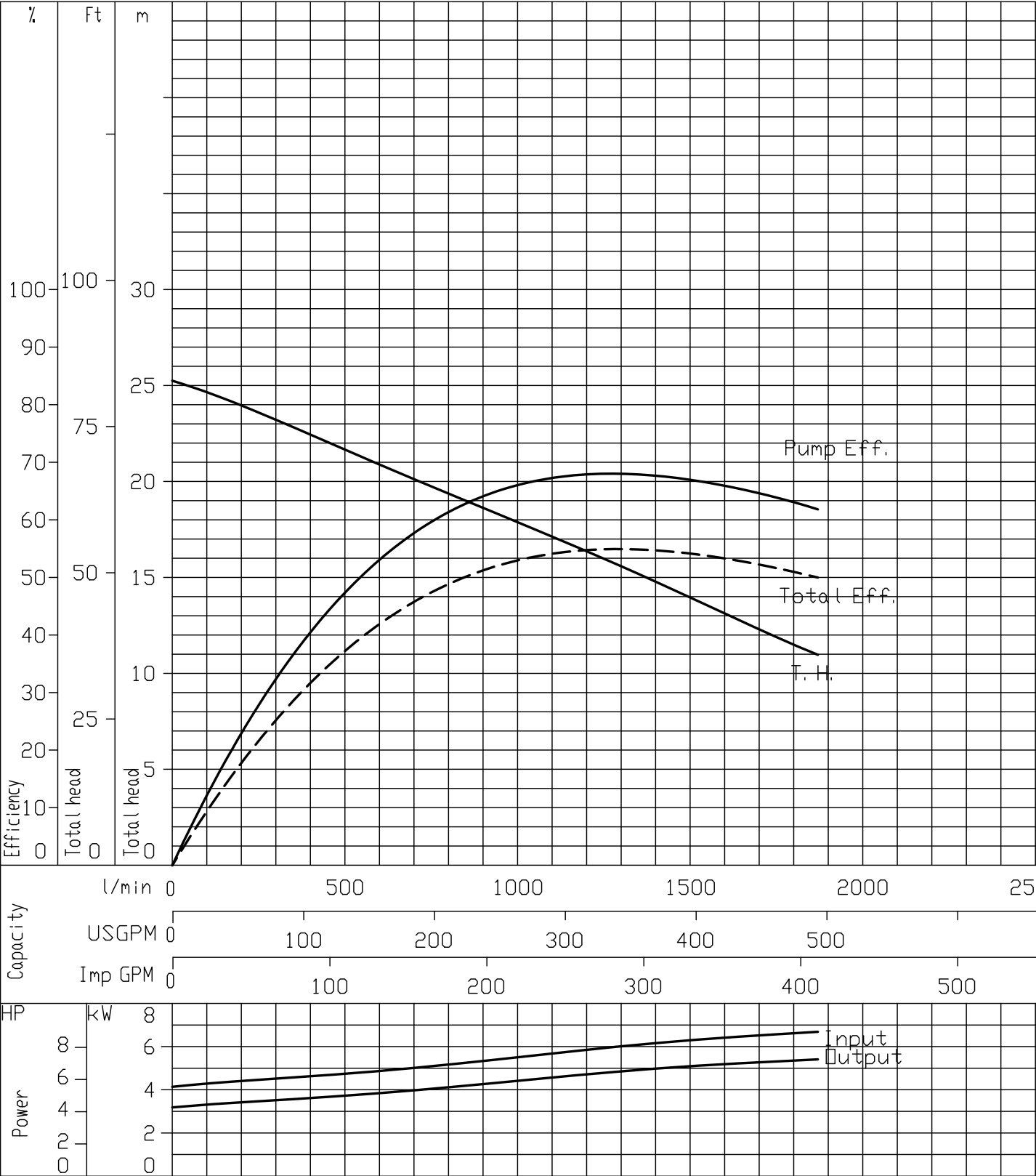
4 Poles

50Hz

100DKE53. 7	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



80DKE55.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

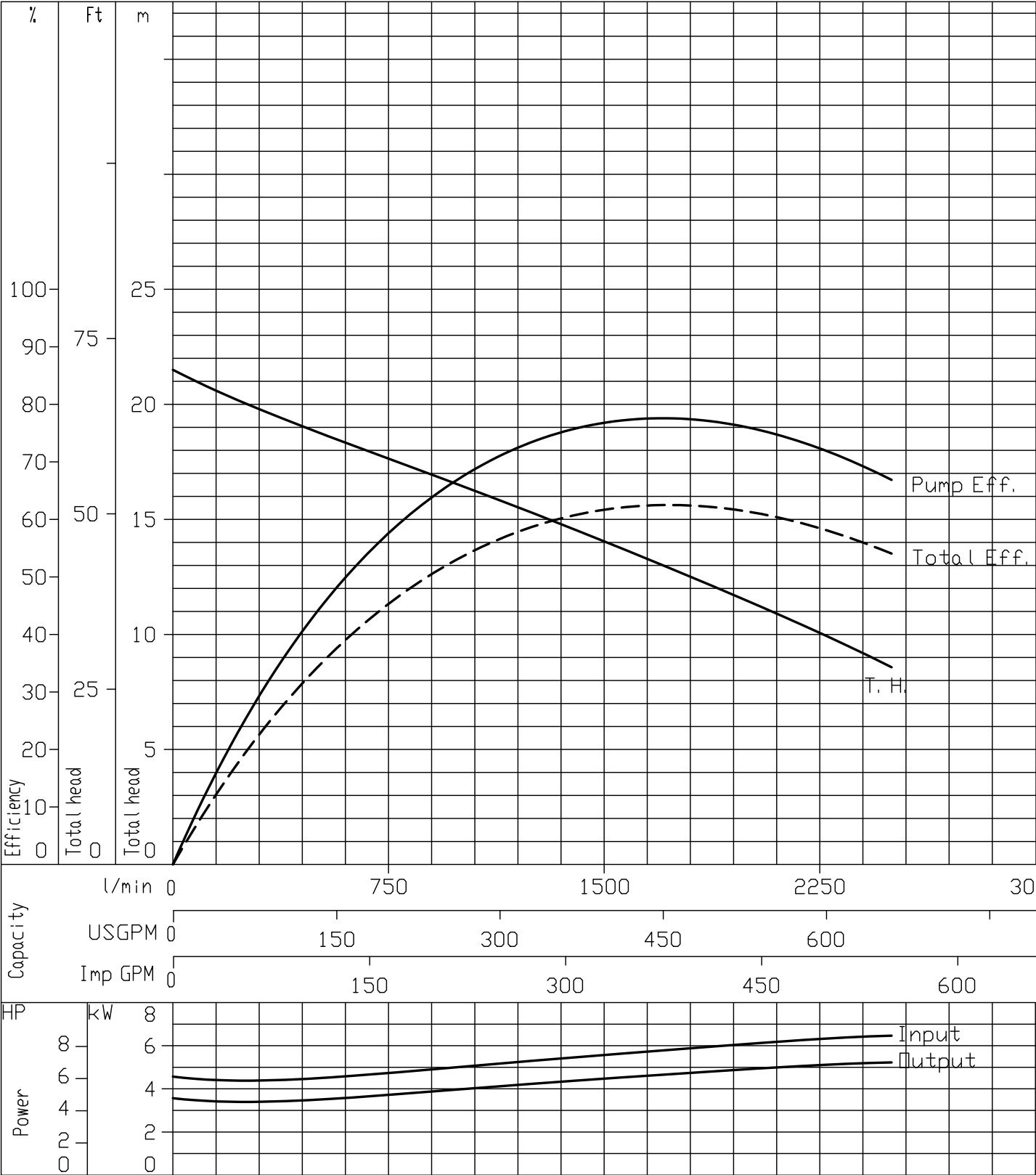


Performance Curve

4 Poles

50Hz

100DKEB55. 5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

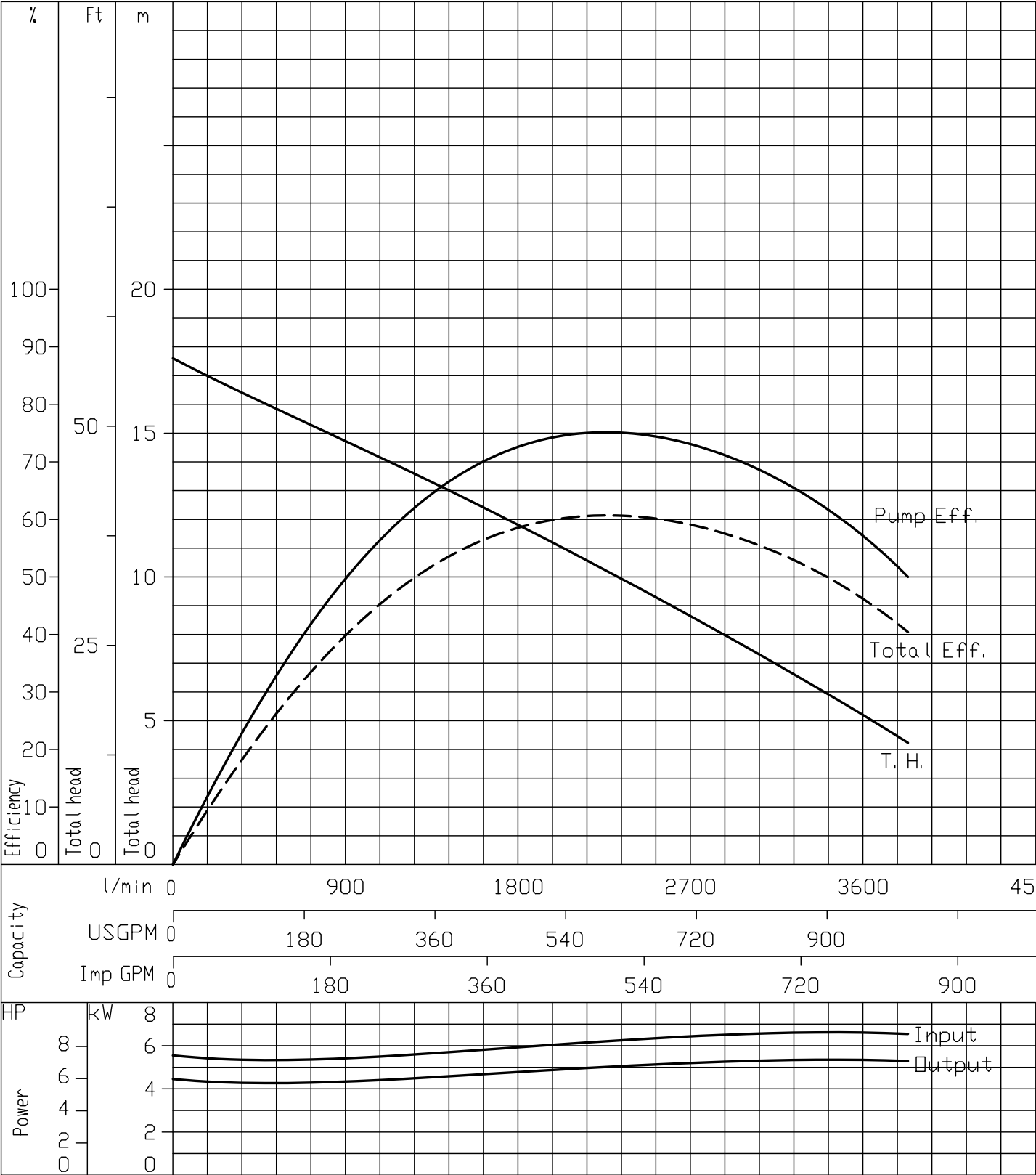


Performance Curve

4 Poles

50Hz

100DKE55. 5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

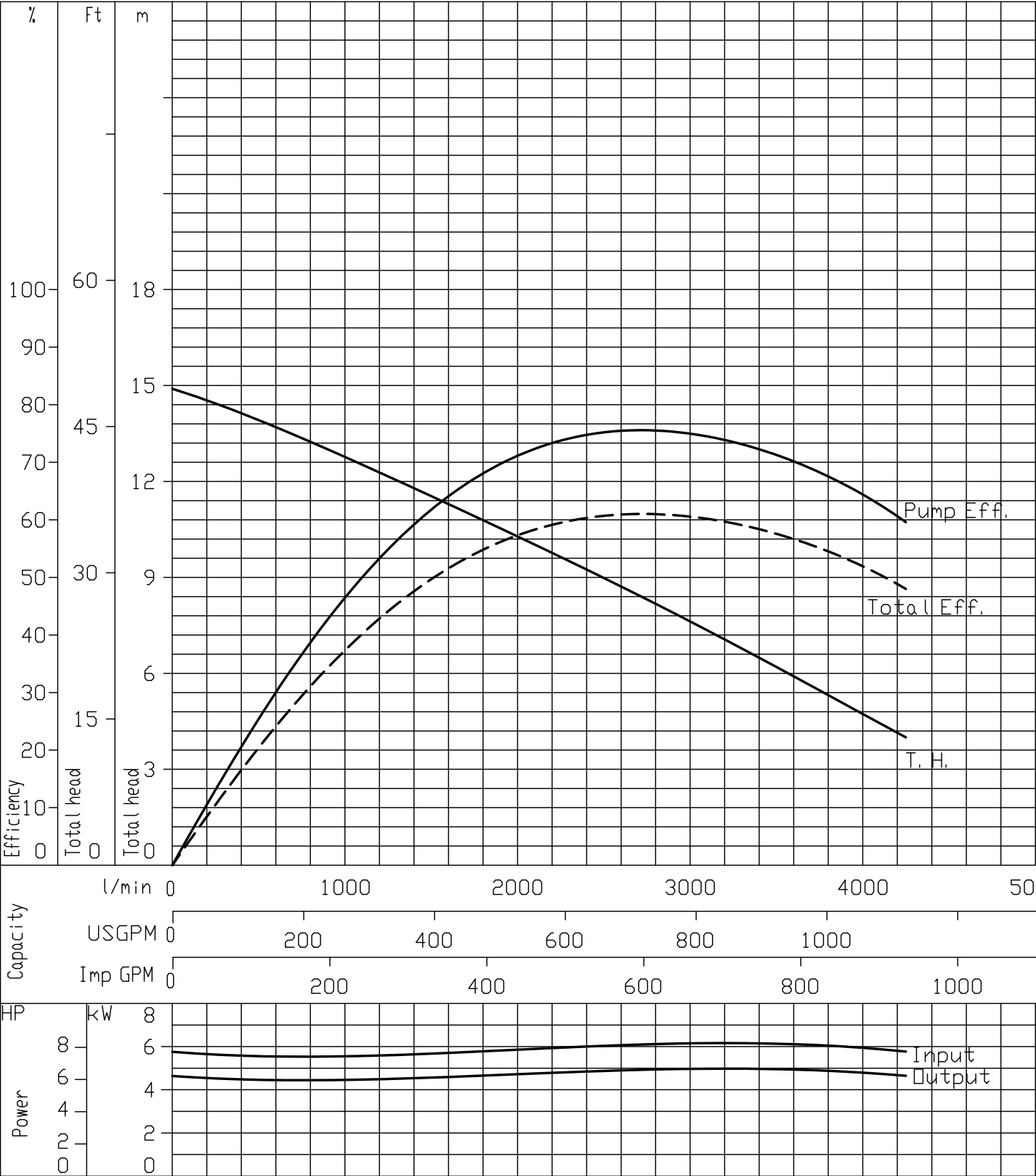


Performance Curve

4 Poles

50Hz

150DKE55. 5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

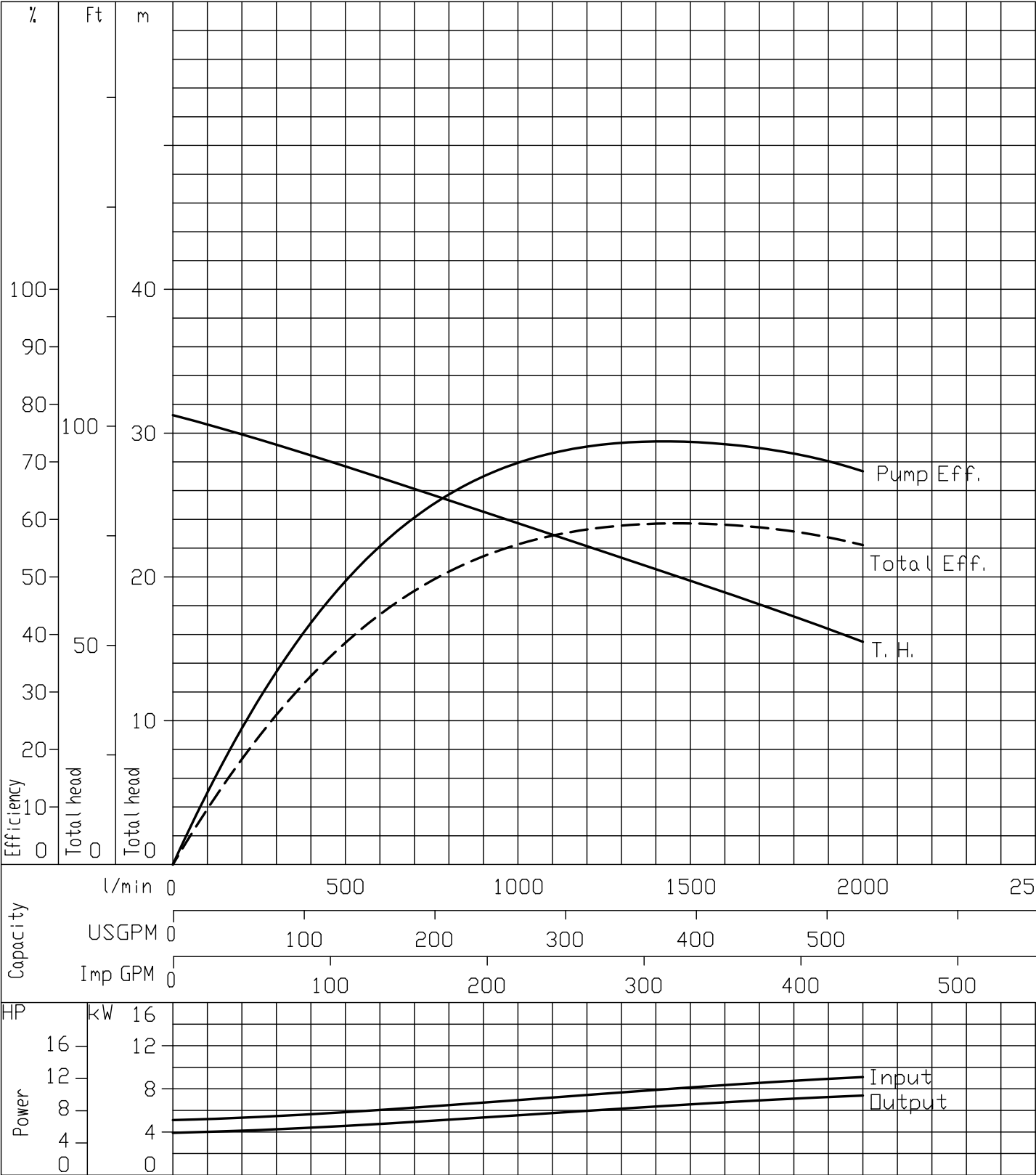


Performance Curve

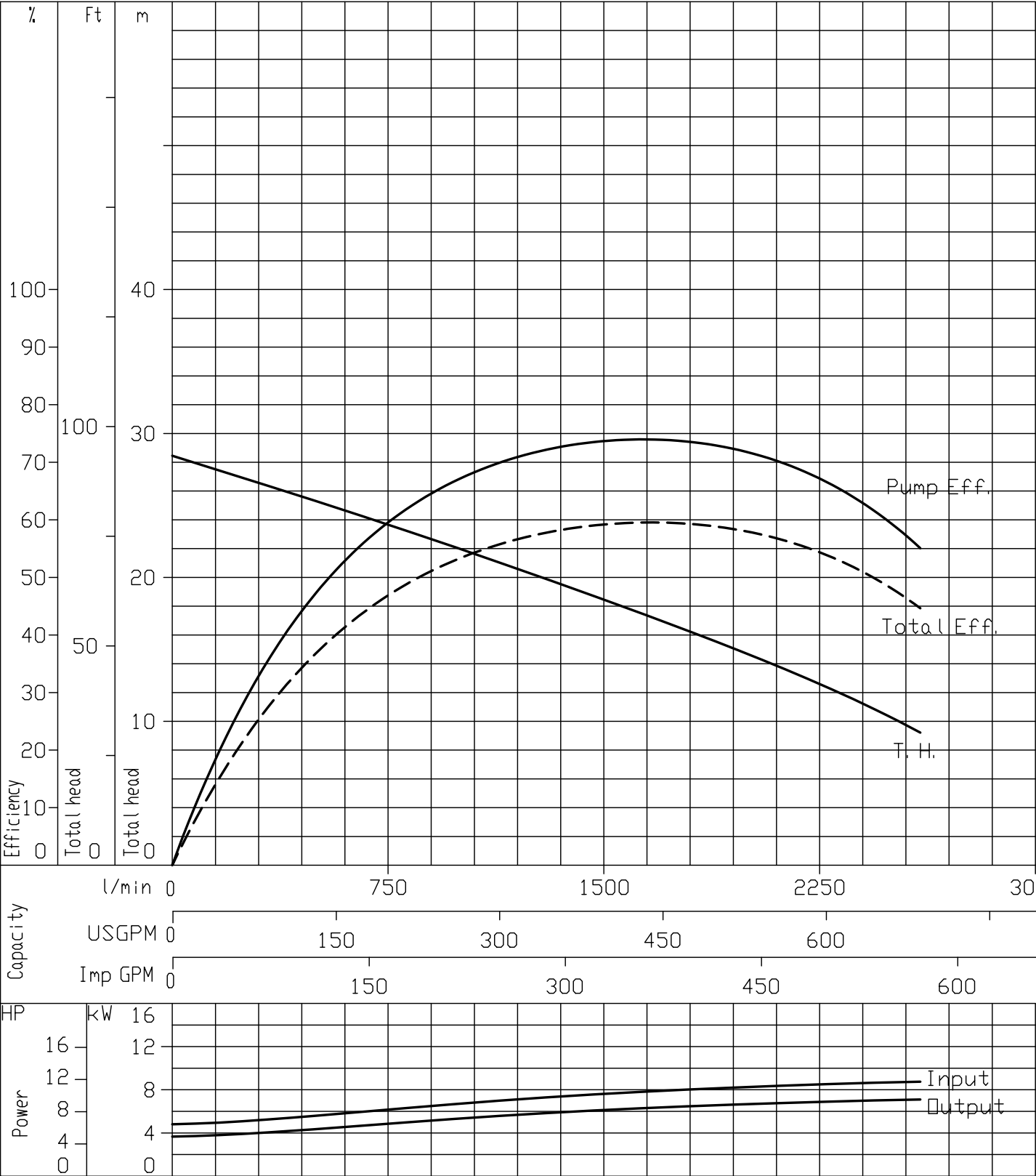
4 Poles

50Hz

80DKE57.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



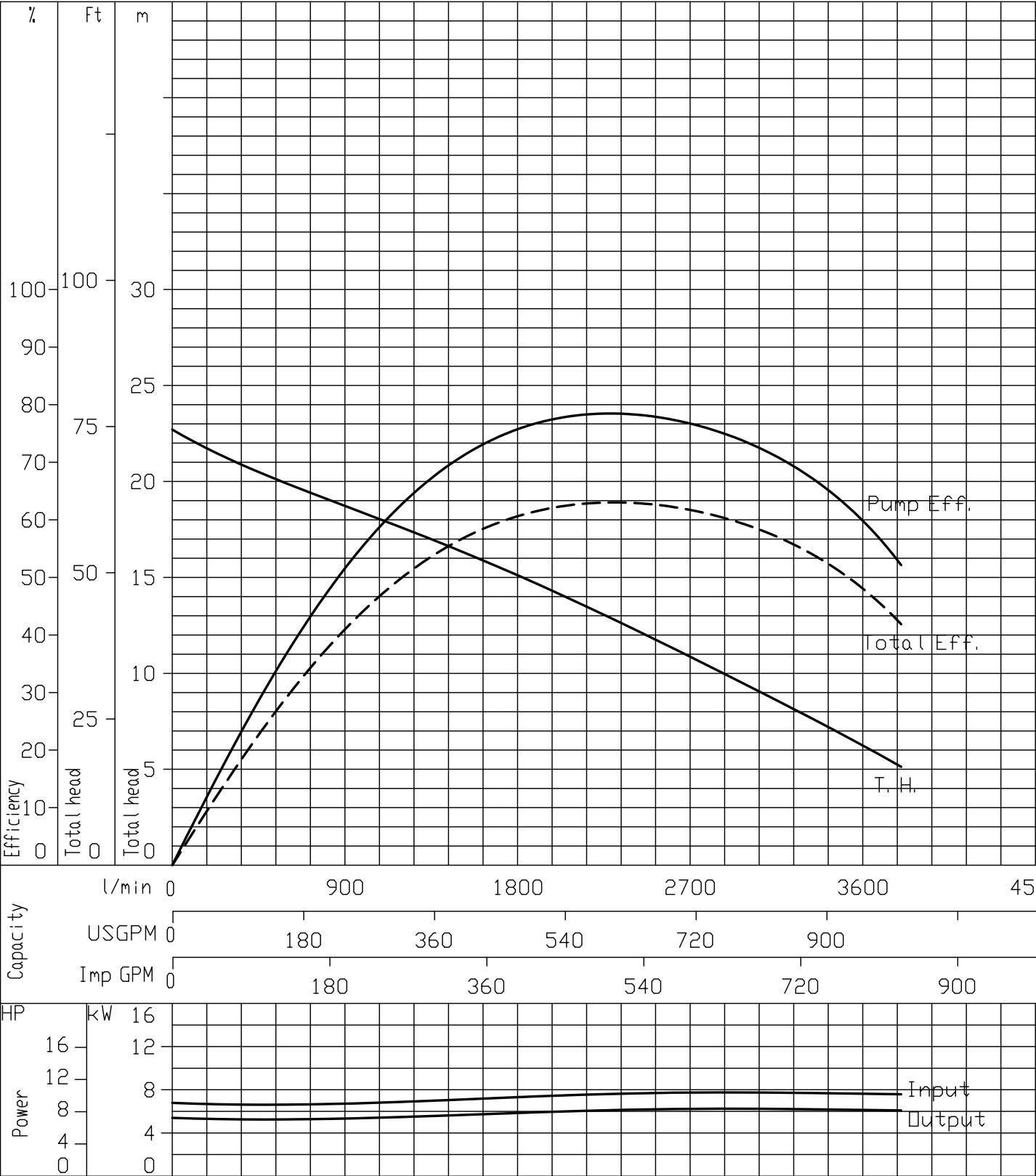
100DKEB57.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



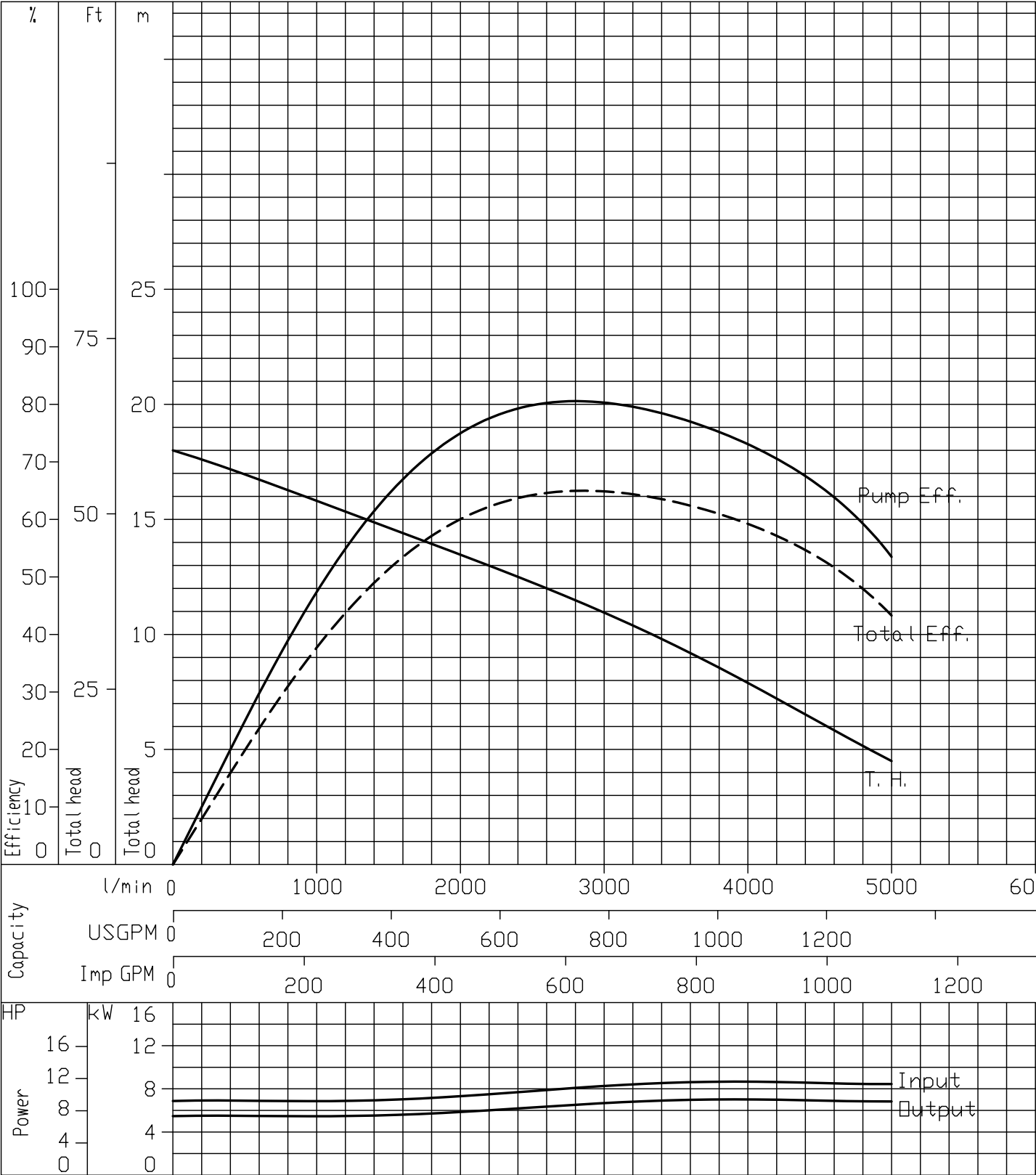
Performance Curve
4 Poles

50Hz

100DKE57.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



150DKE57.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

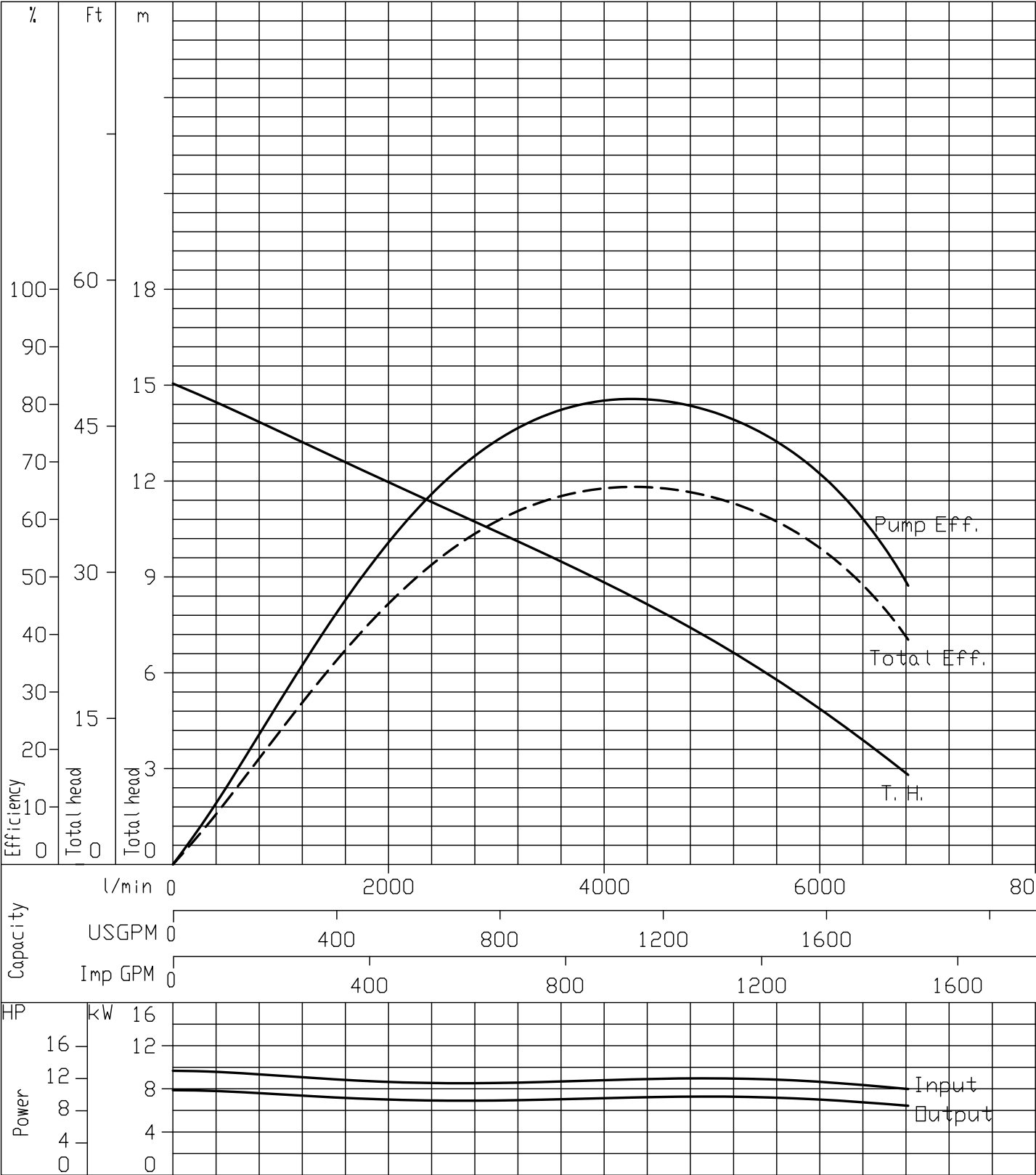


Performance Curve

4 Poles

50Hz

200DKE57.5	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

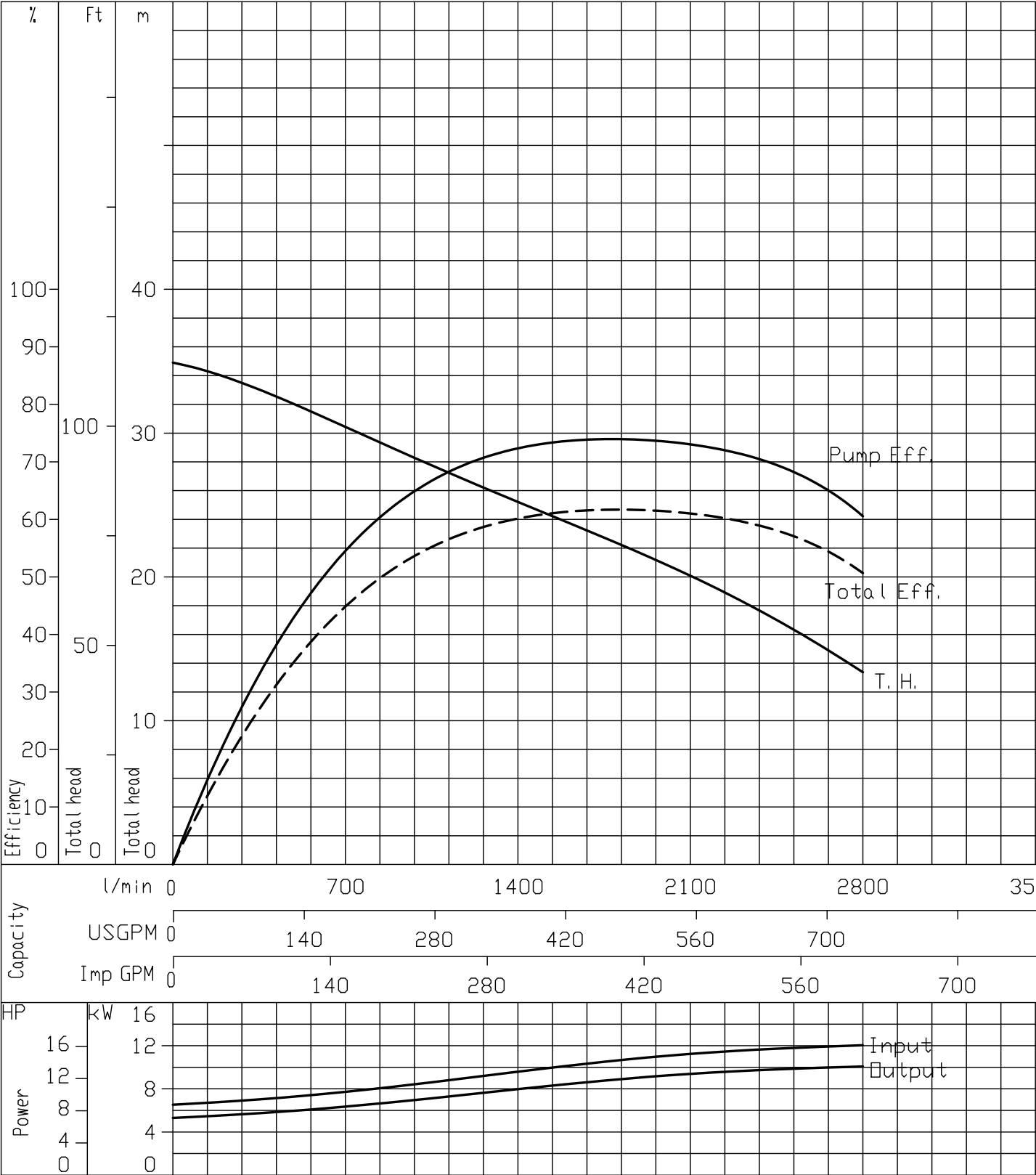


Performance Curve

4 Poles

50Hz

100DKEB511	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

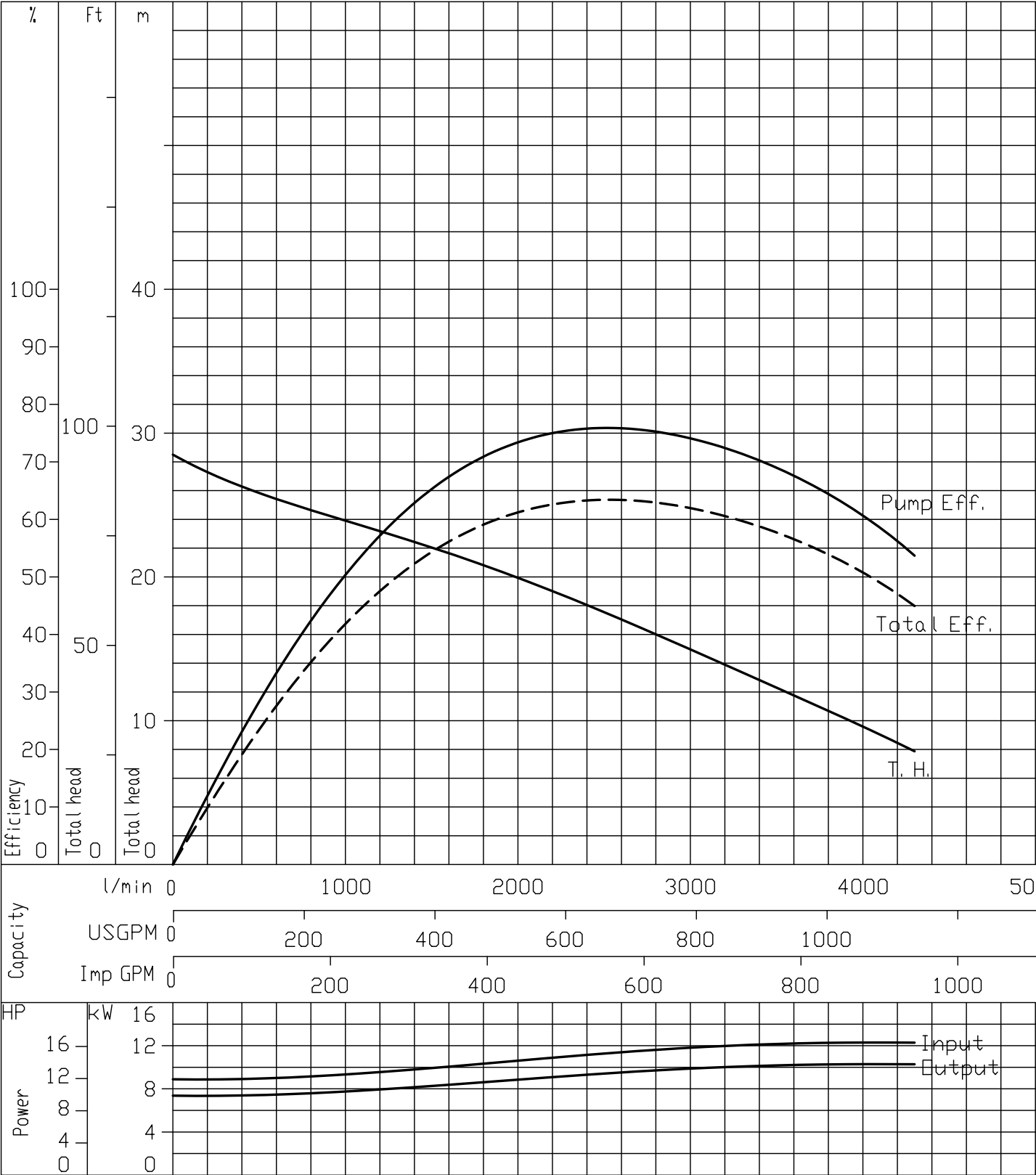


Performance Curve

4 Poles

50Hz

100DKE511	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

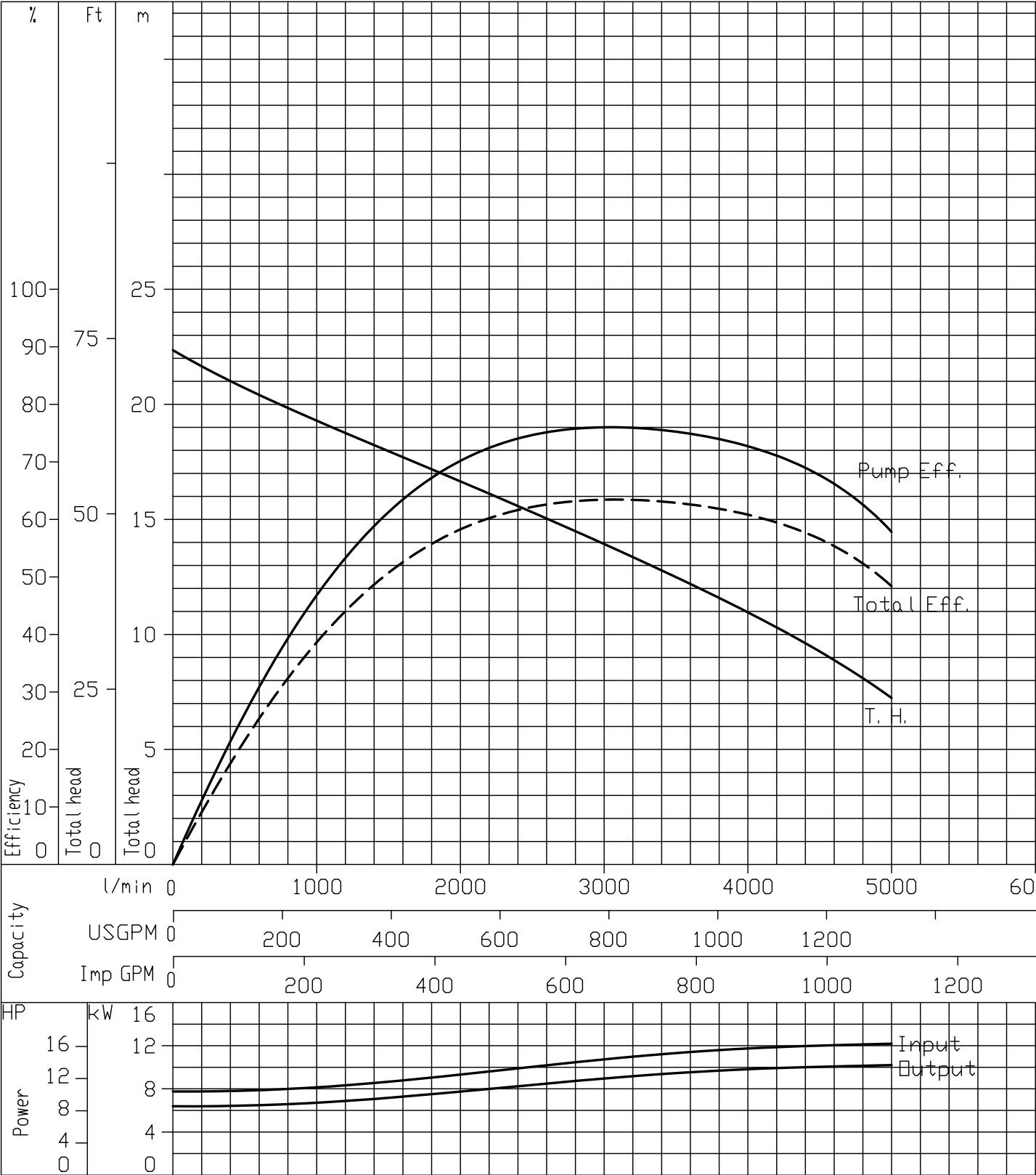


Performance Curve

4 Poles

50Hz

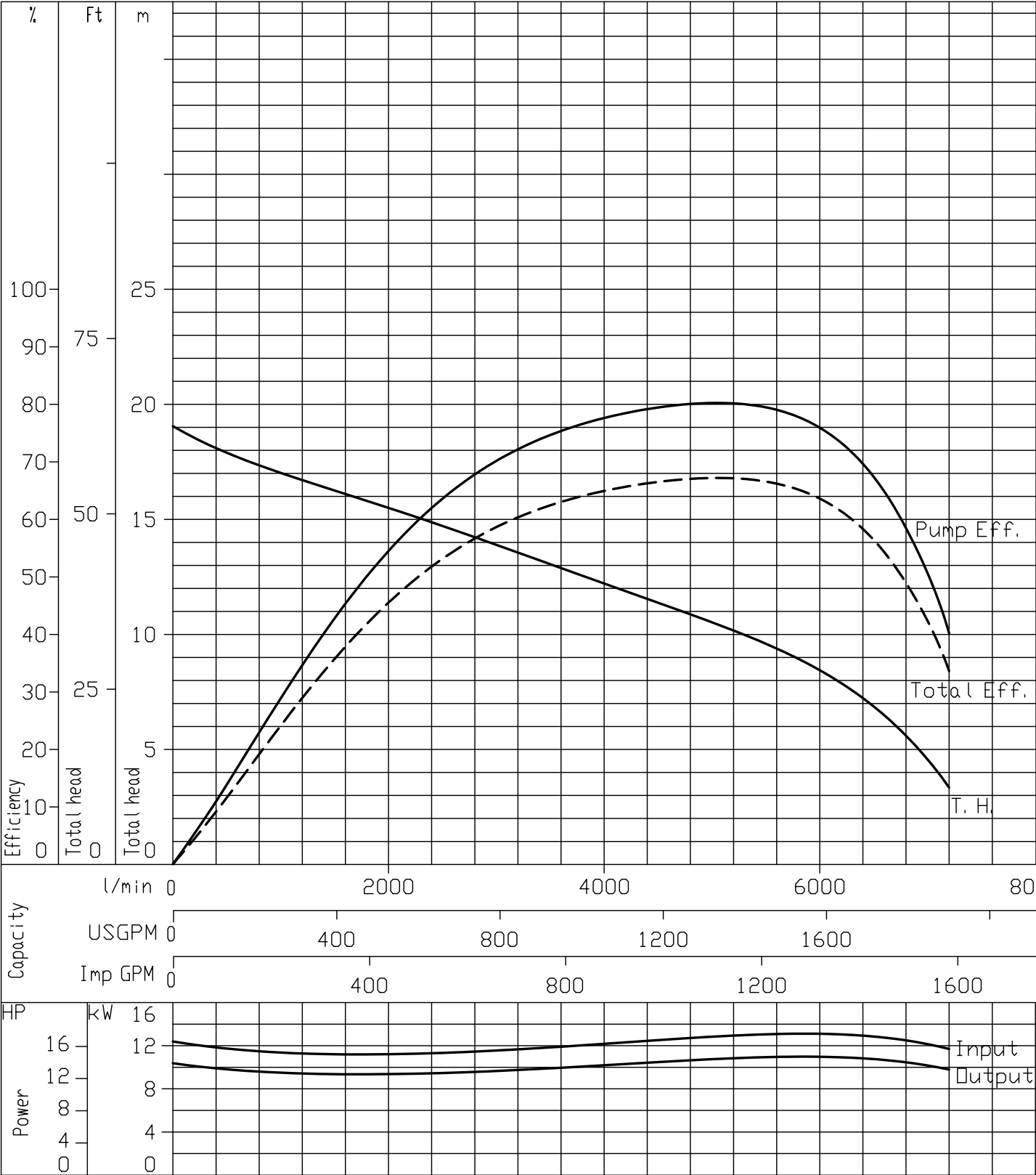
150DKE511	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



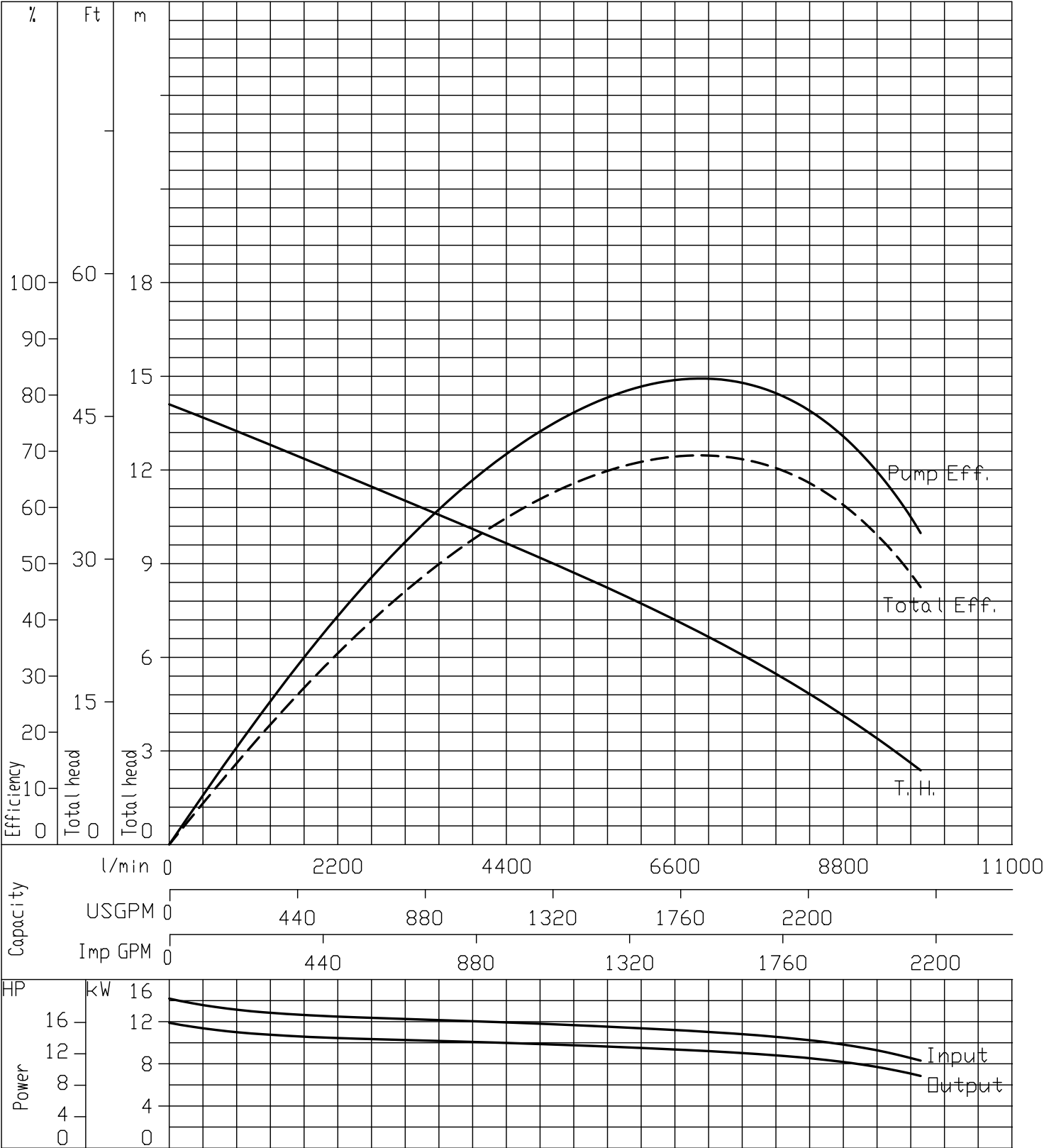
Performance Curve
4 Poles

50Hz

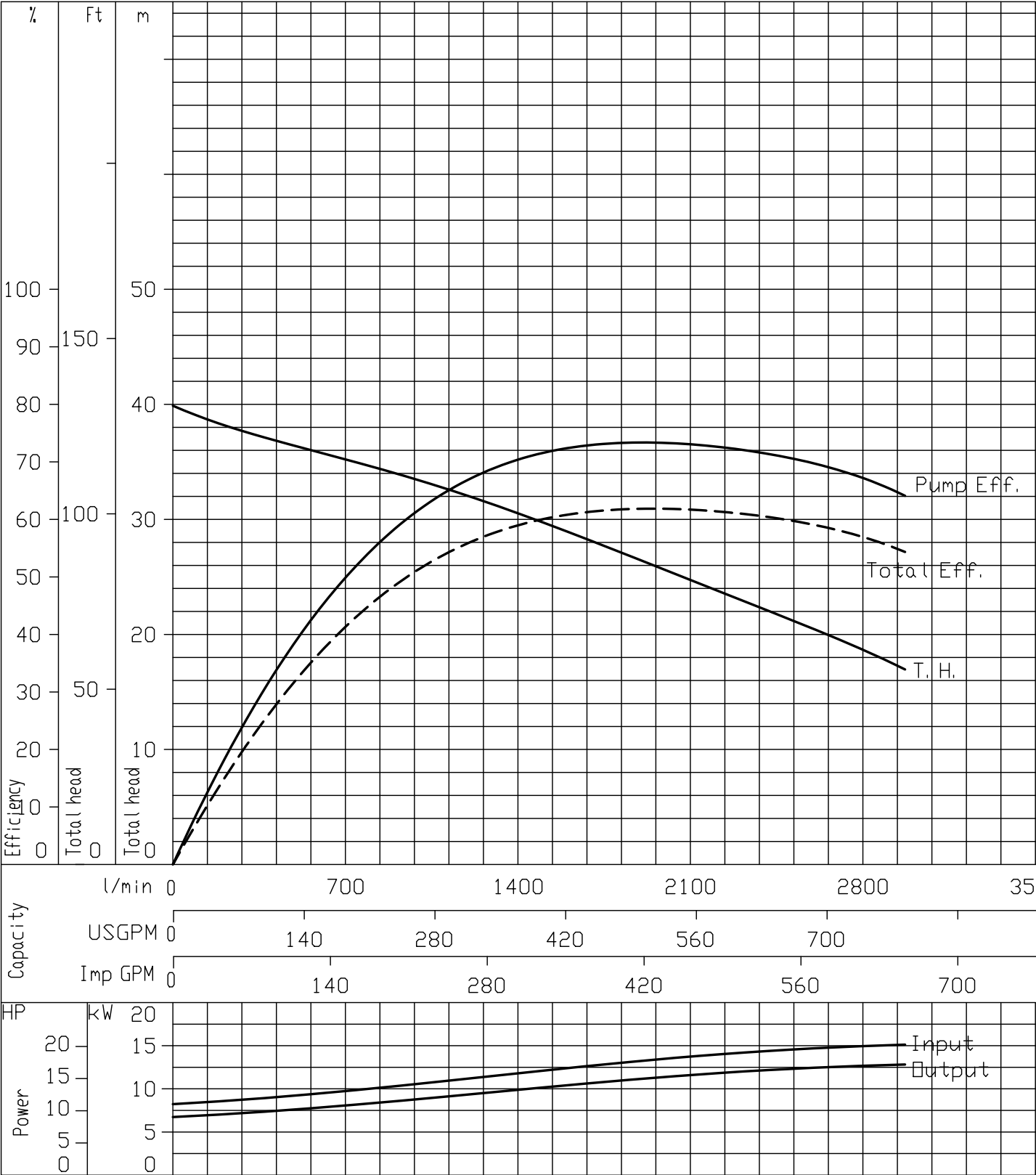
200DKE511	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



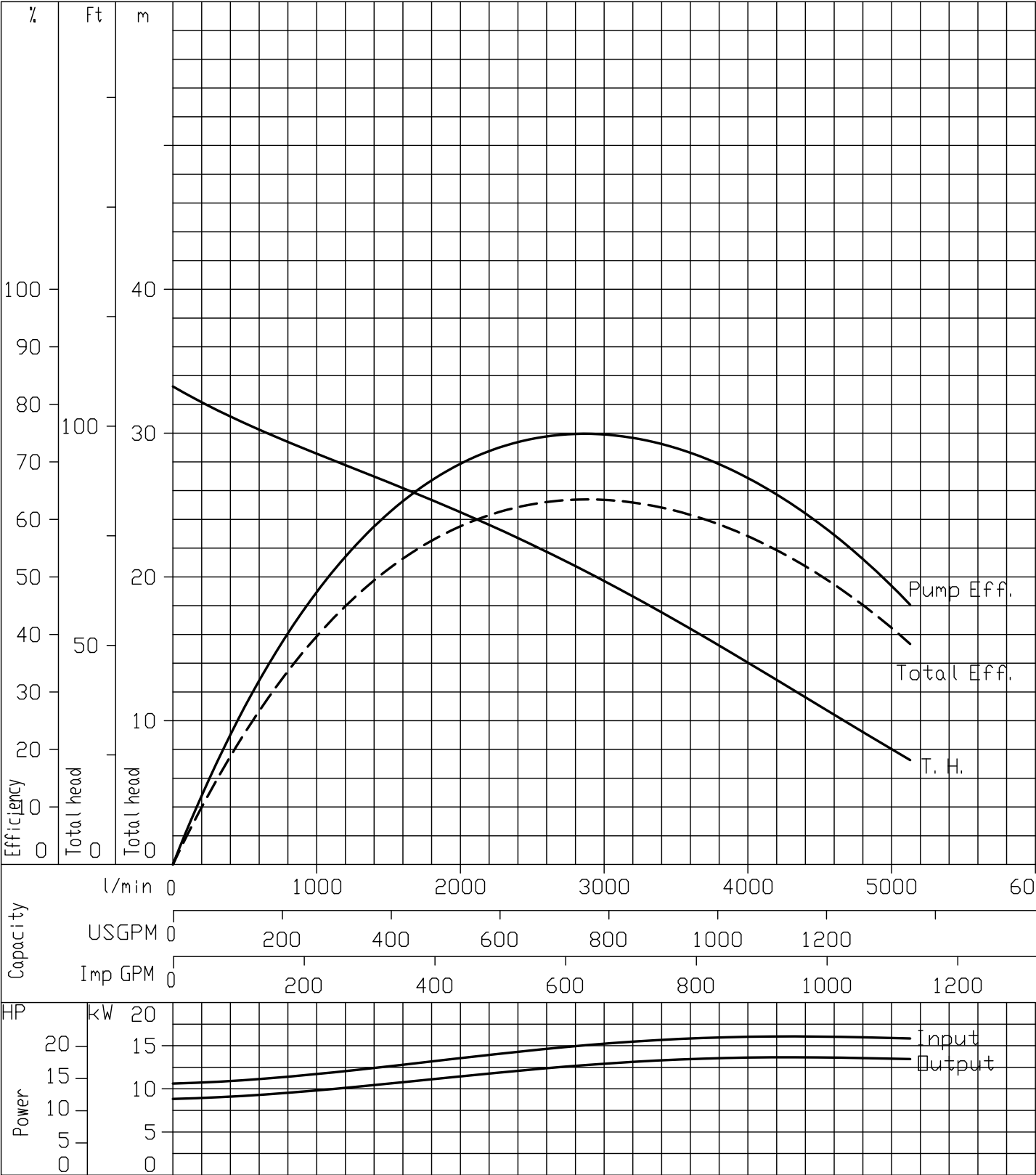
250DKE511	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



100DKEB515	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



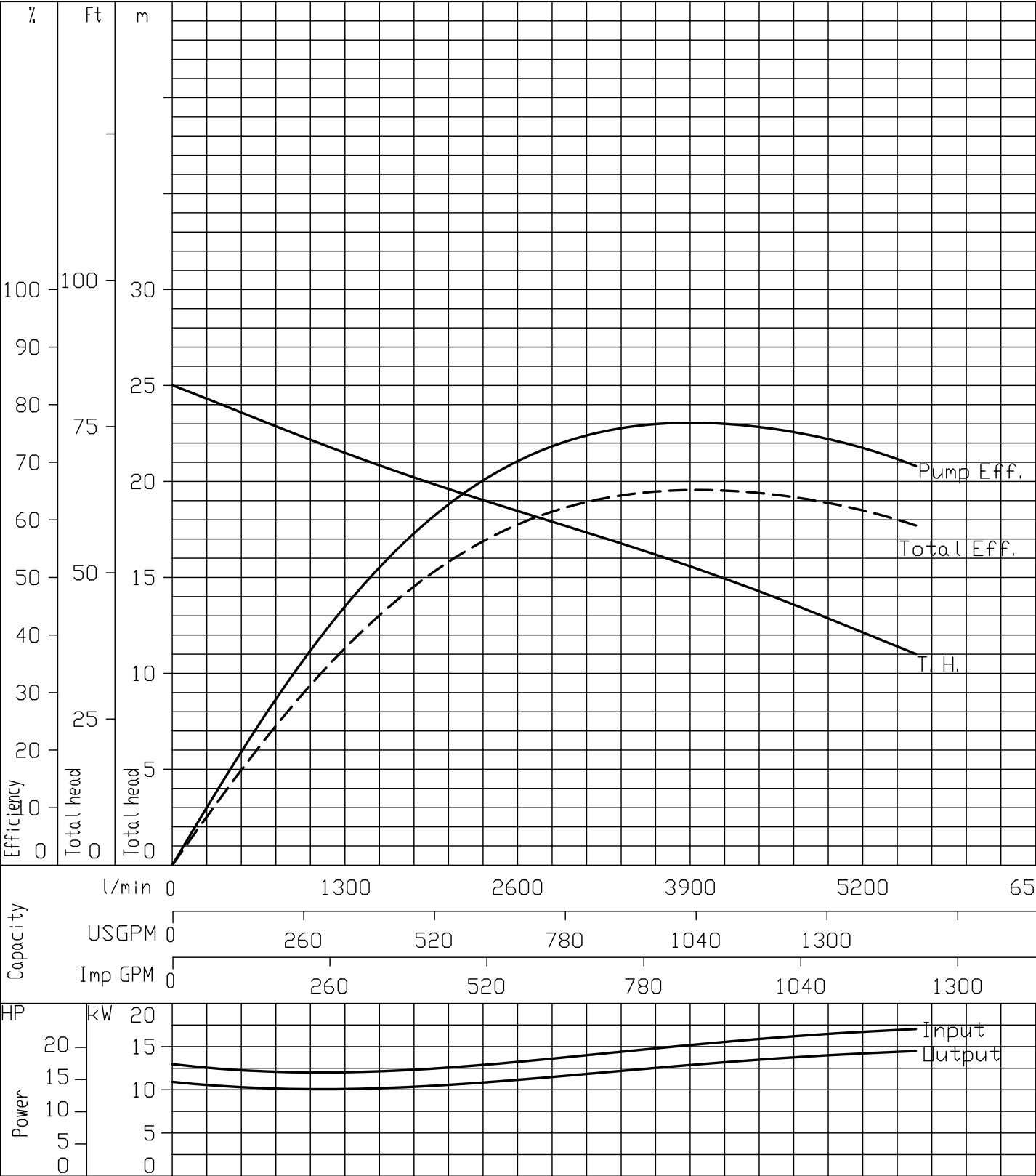
100DKE515	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



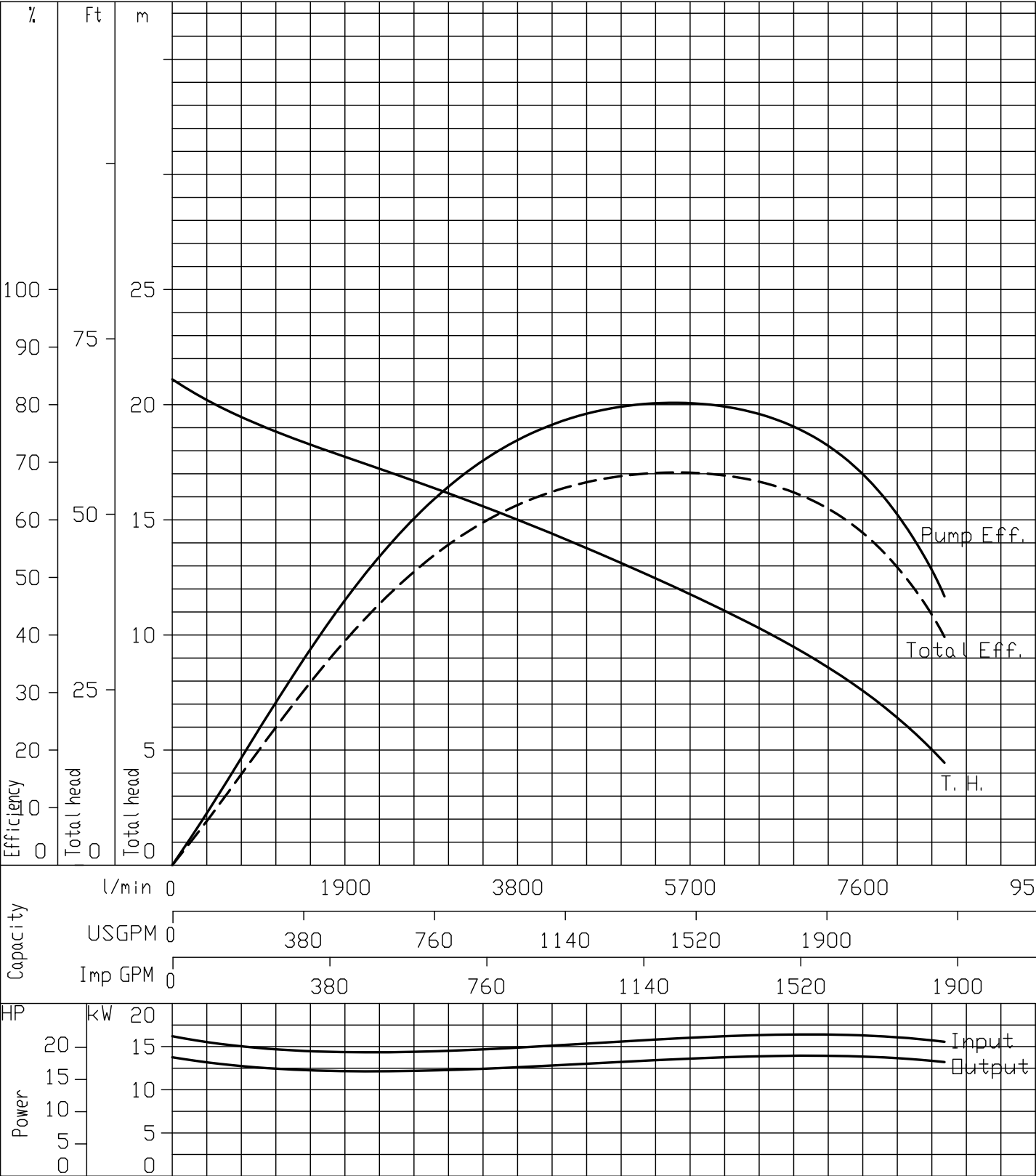
Performance Curve
4 Poles

50Hz

150DKE515	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



200DKE515	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

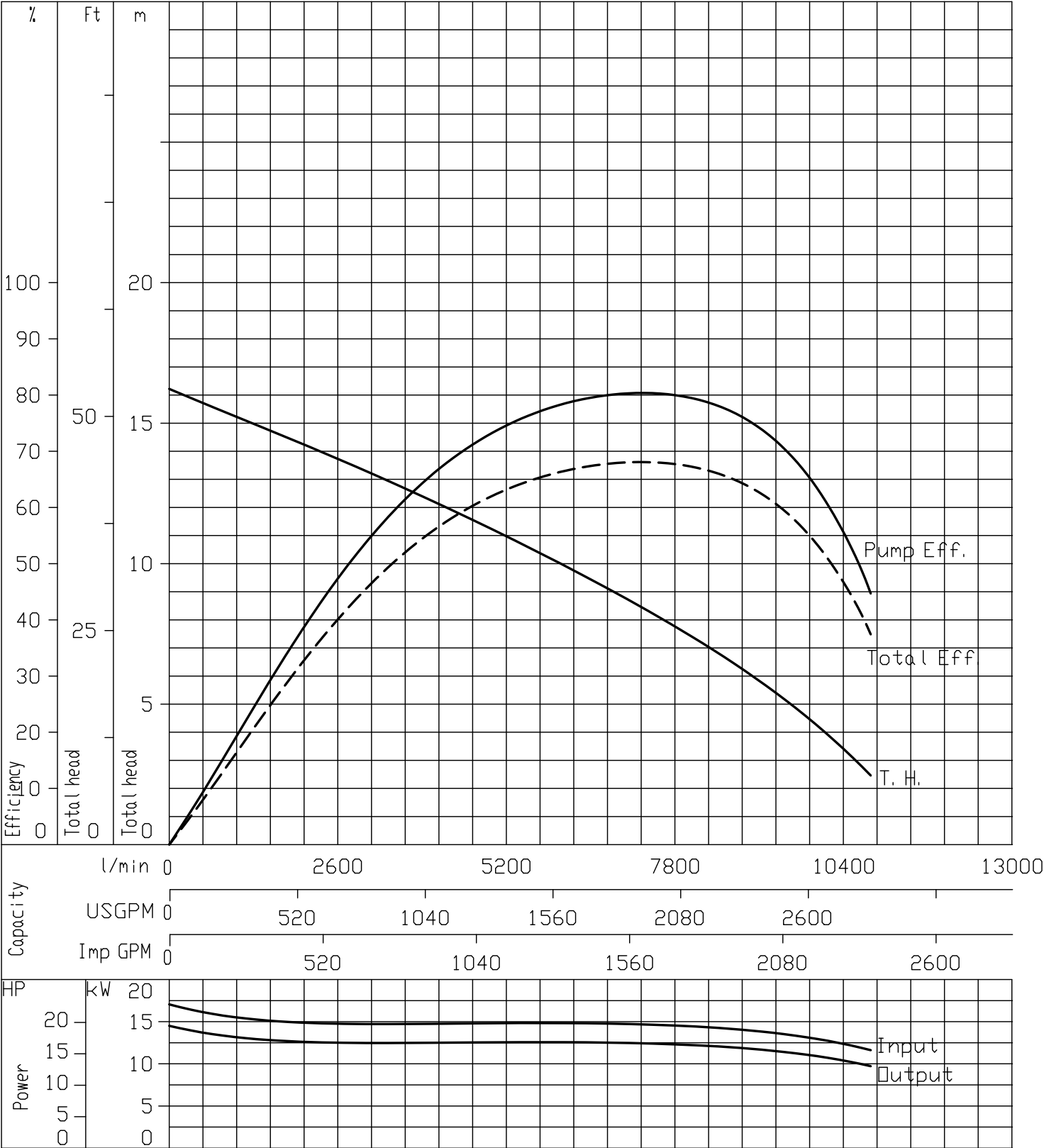


Performance Curve

4 Poles

50Hz

250DKE515	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

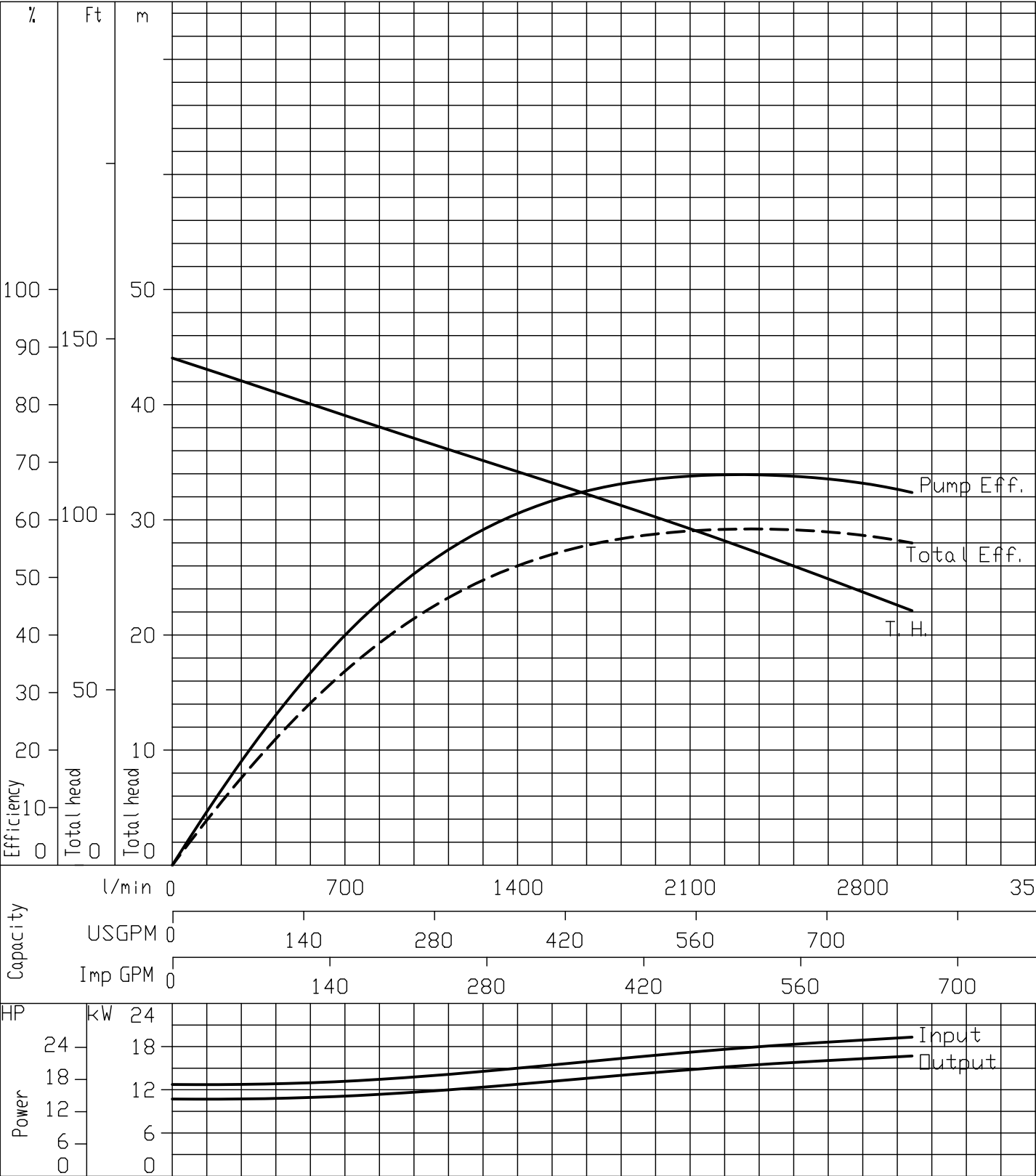


Performance Curve

4 Poles

50Hz

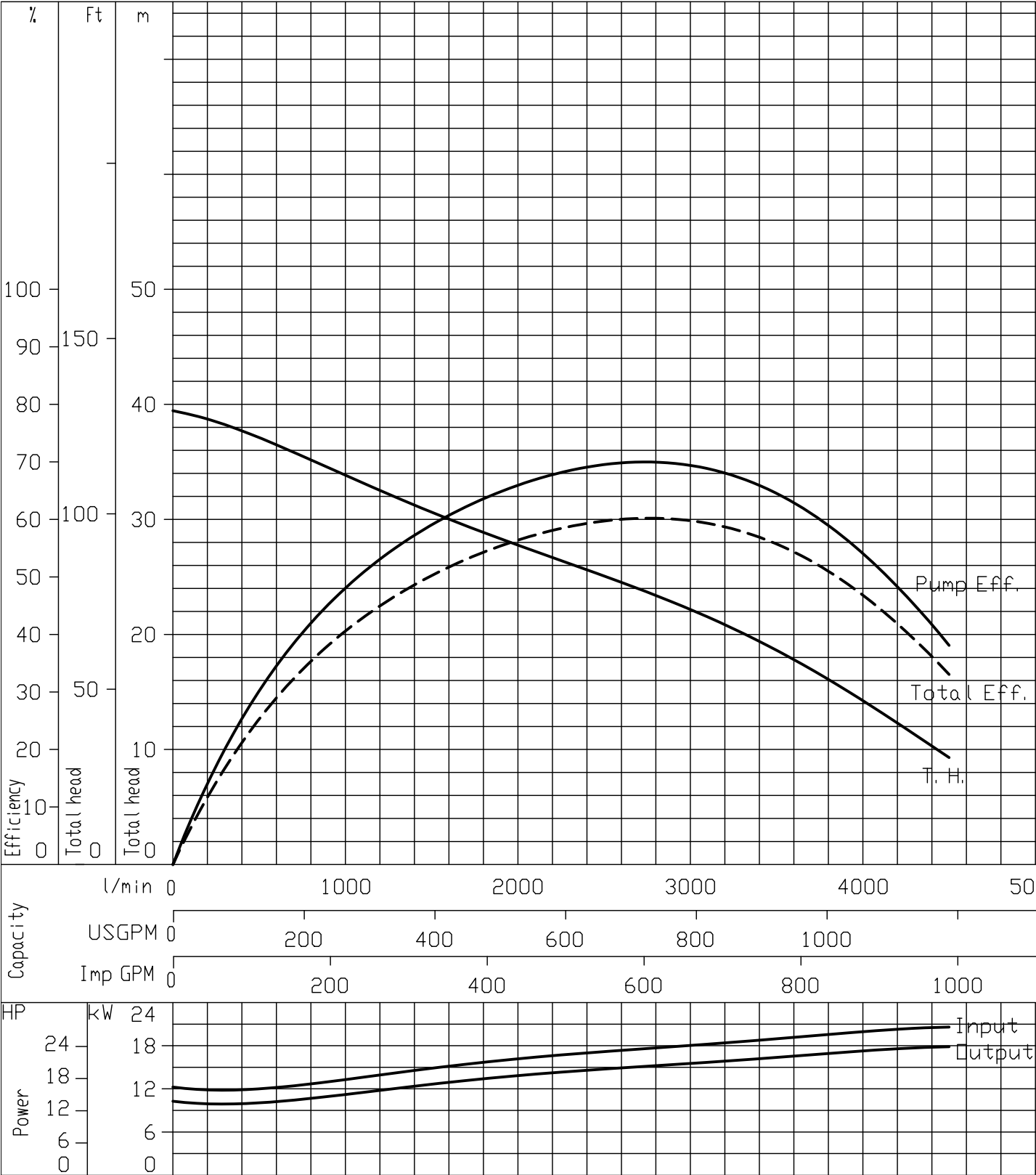
100DKEB518	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



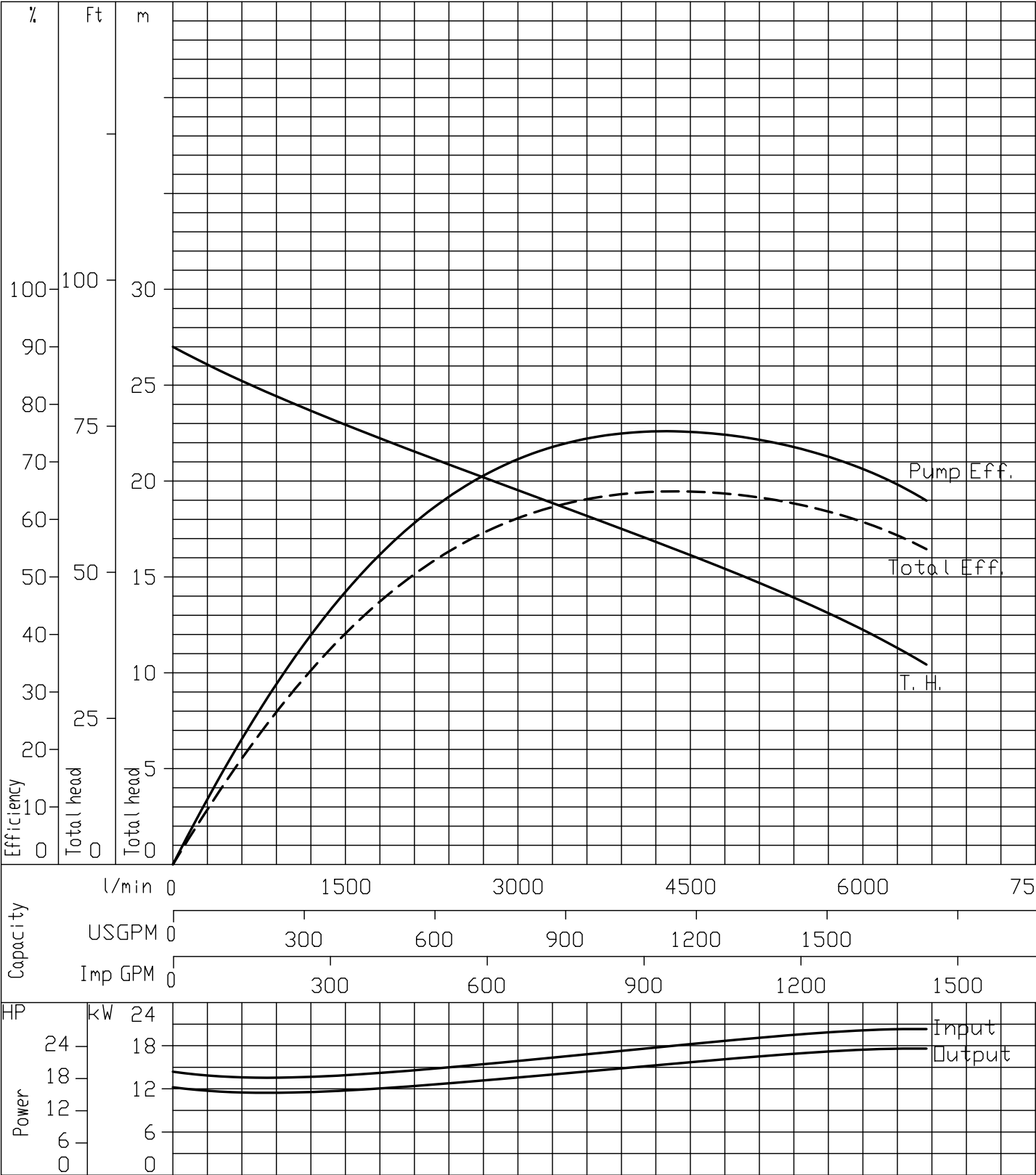
Performance Curve
4 Poles

50Hz

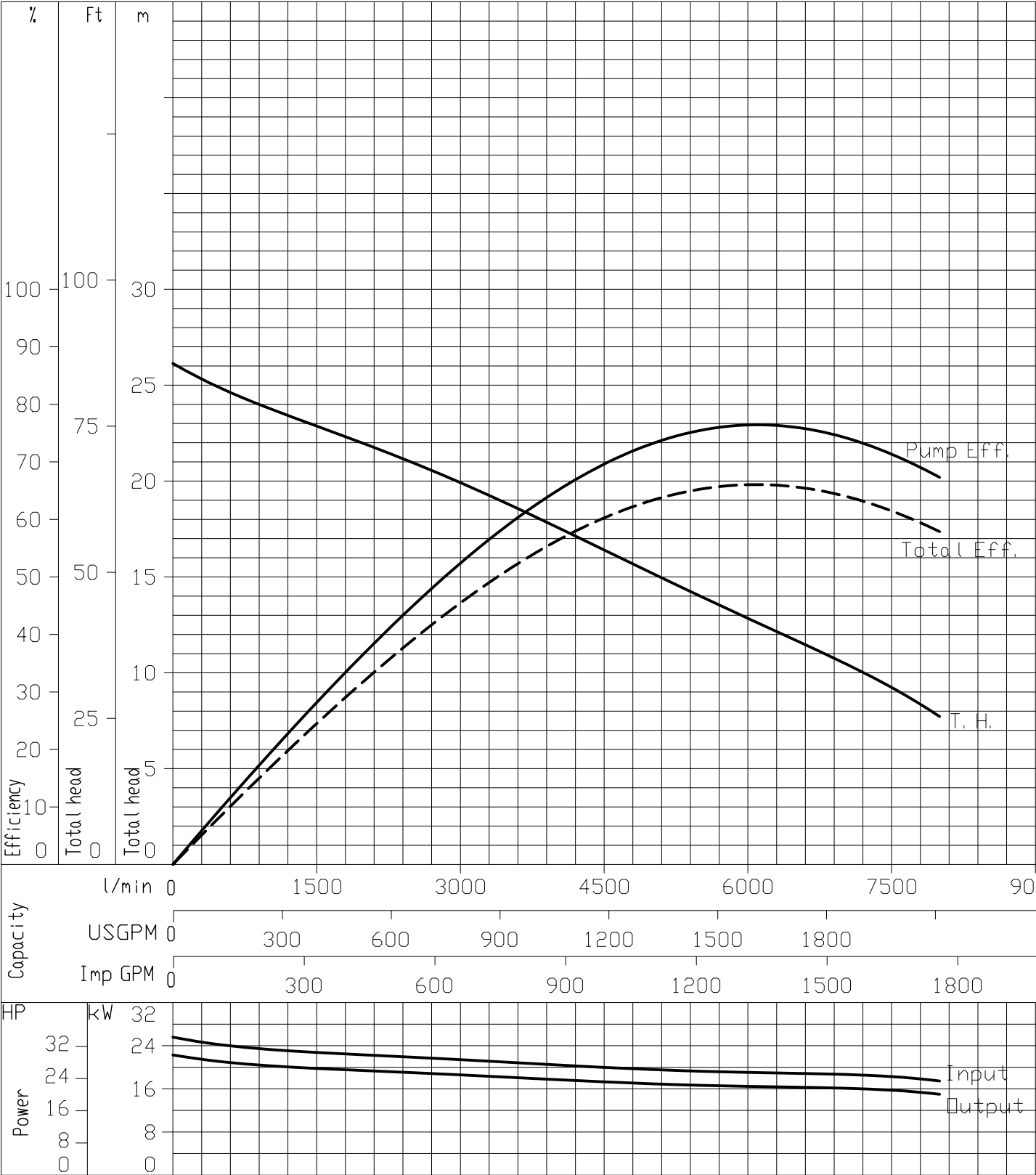
100DKE518	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



150DKE518	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



200DKE518	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

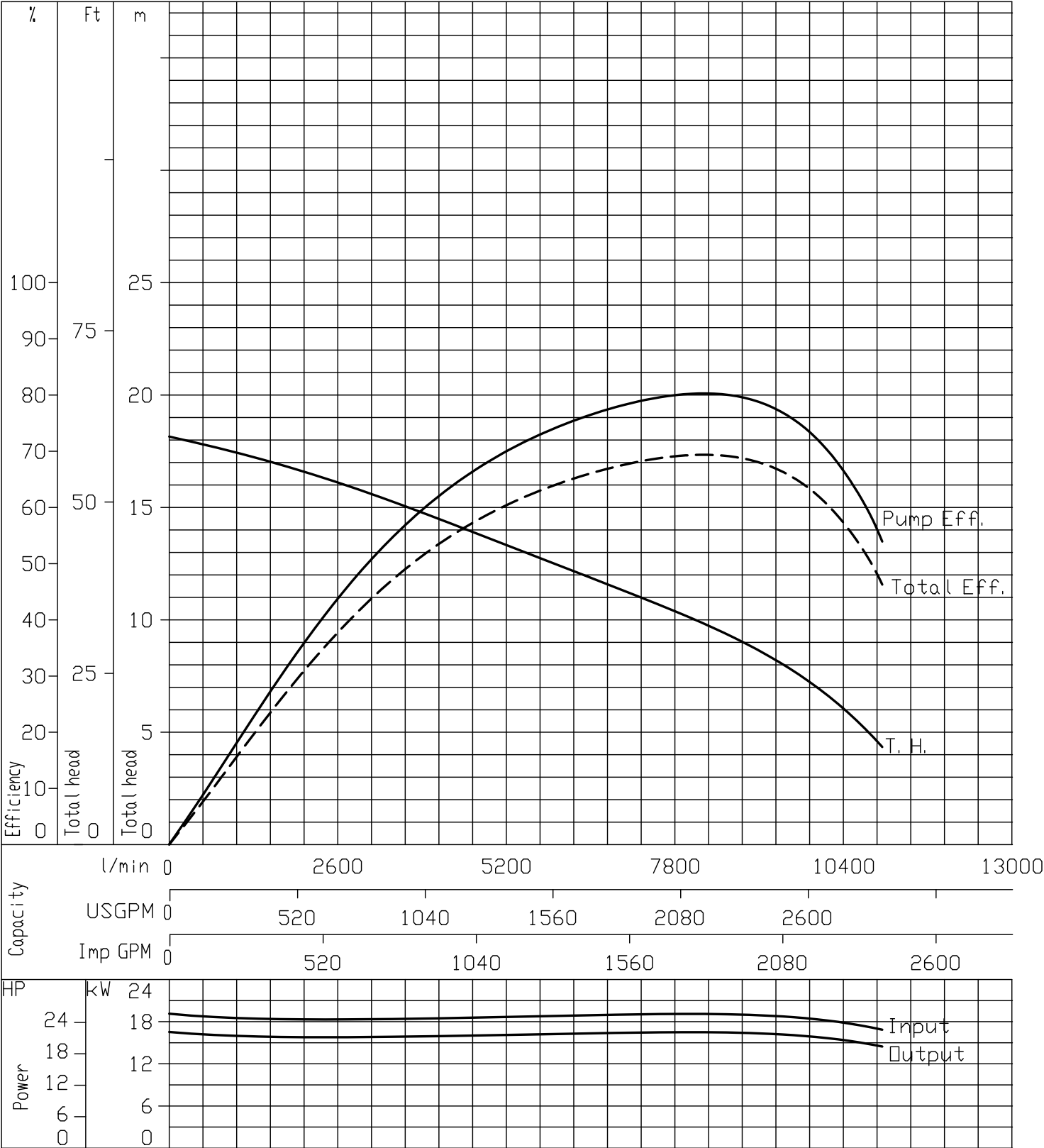


Performance Curve

4 Poles

50Hz

250DKE518	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

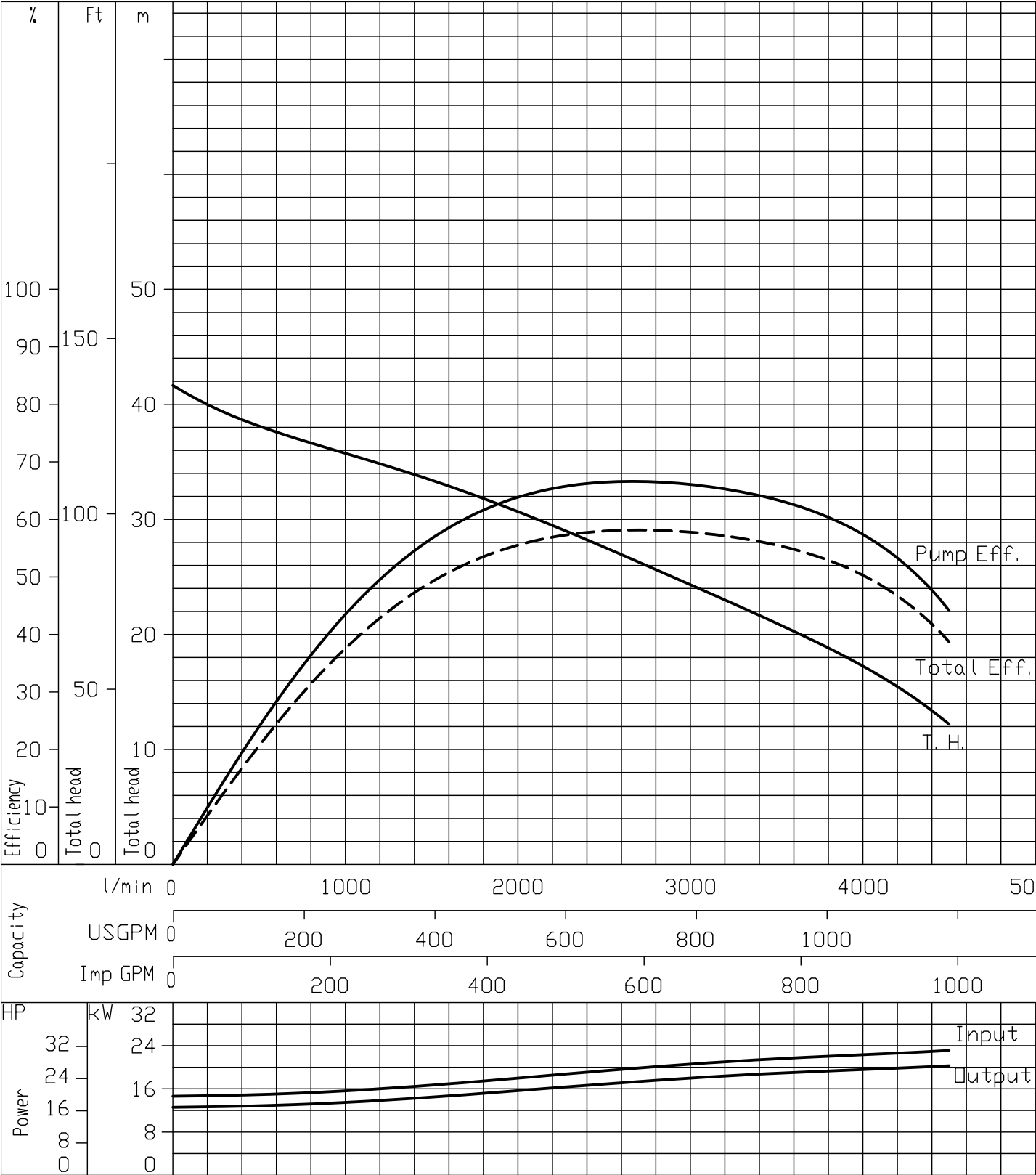


Performance Curve

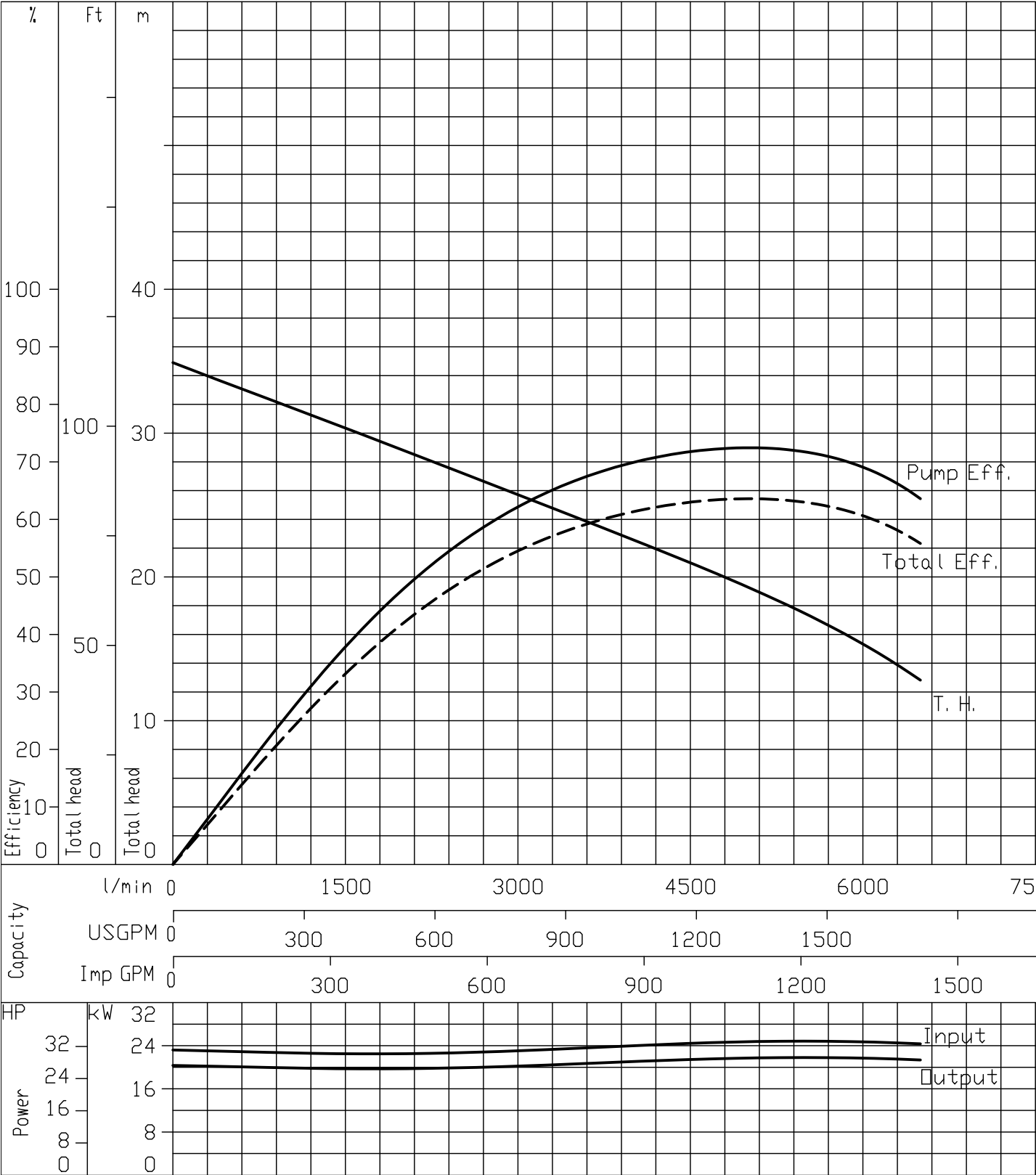
4 Poles

50Hz

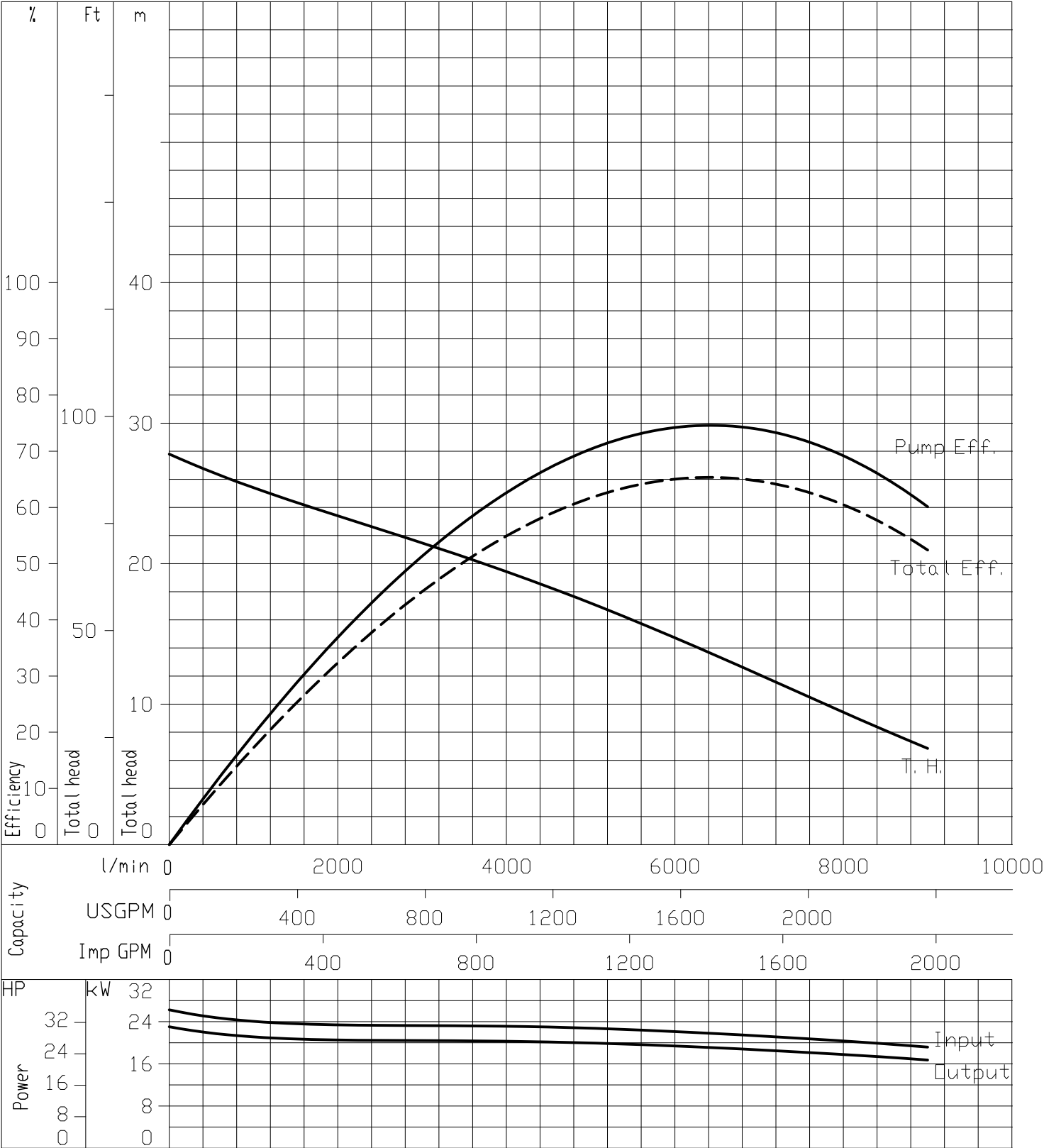
100DKE522	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



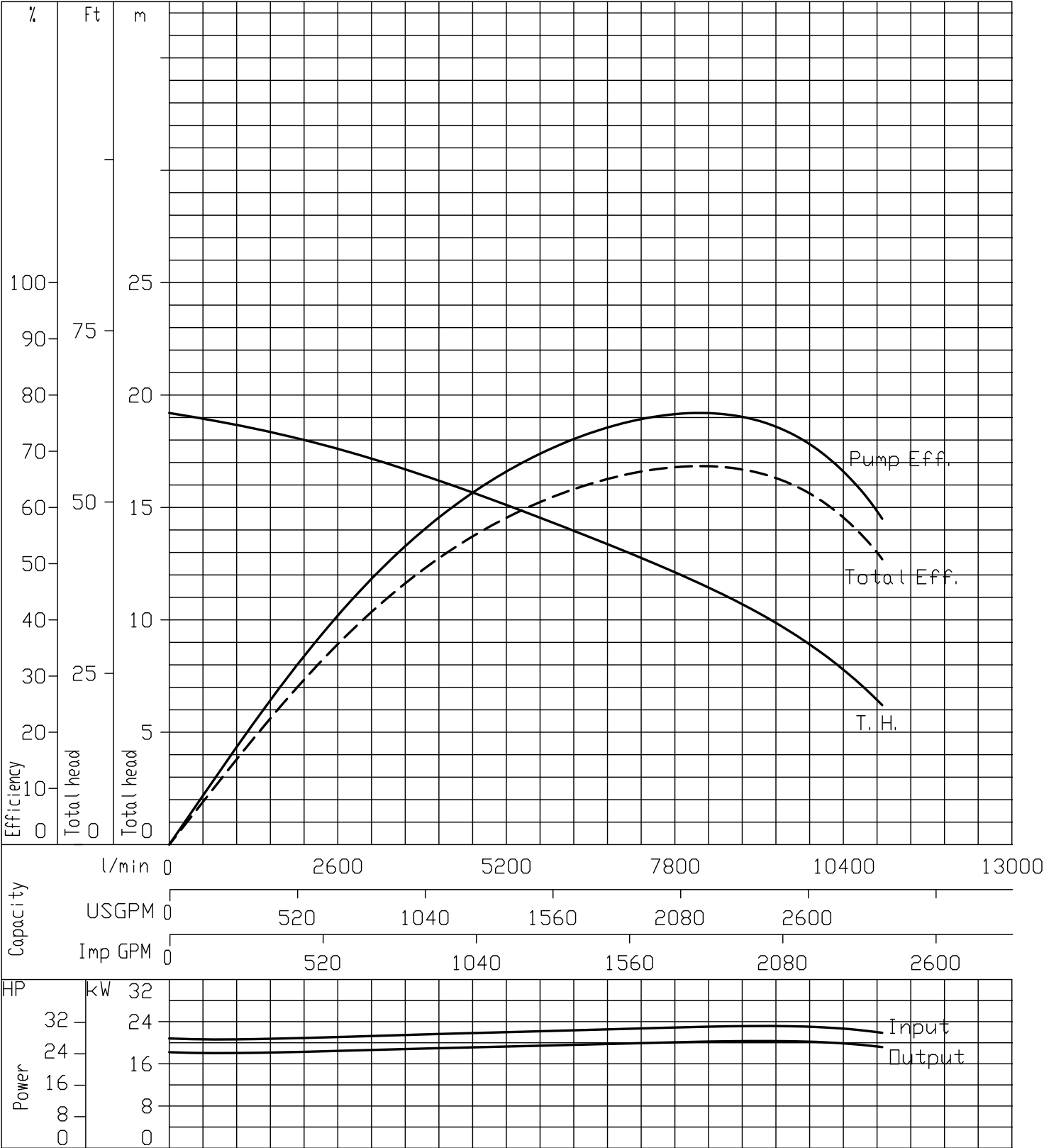
150DKE522	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



200DKE522	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s



250DKE522	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

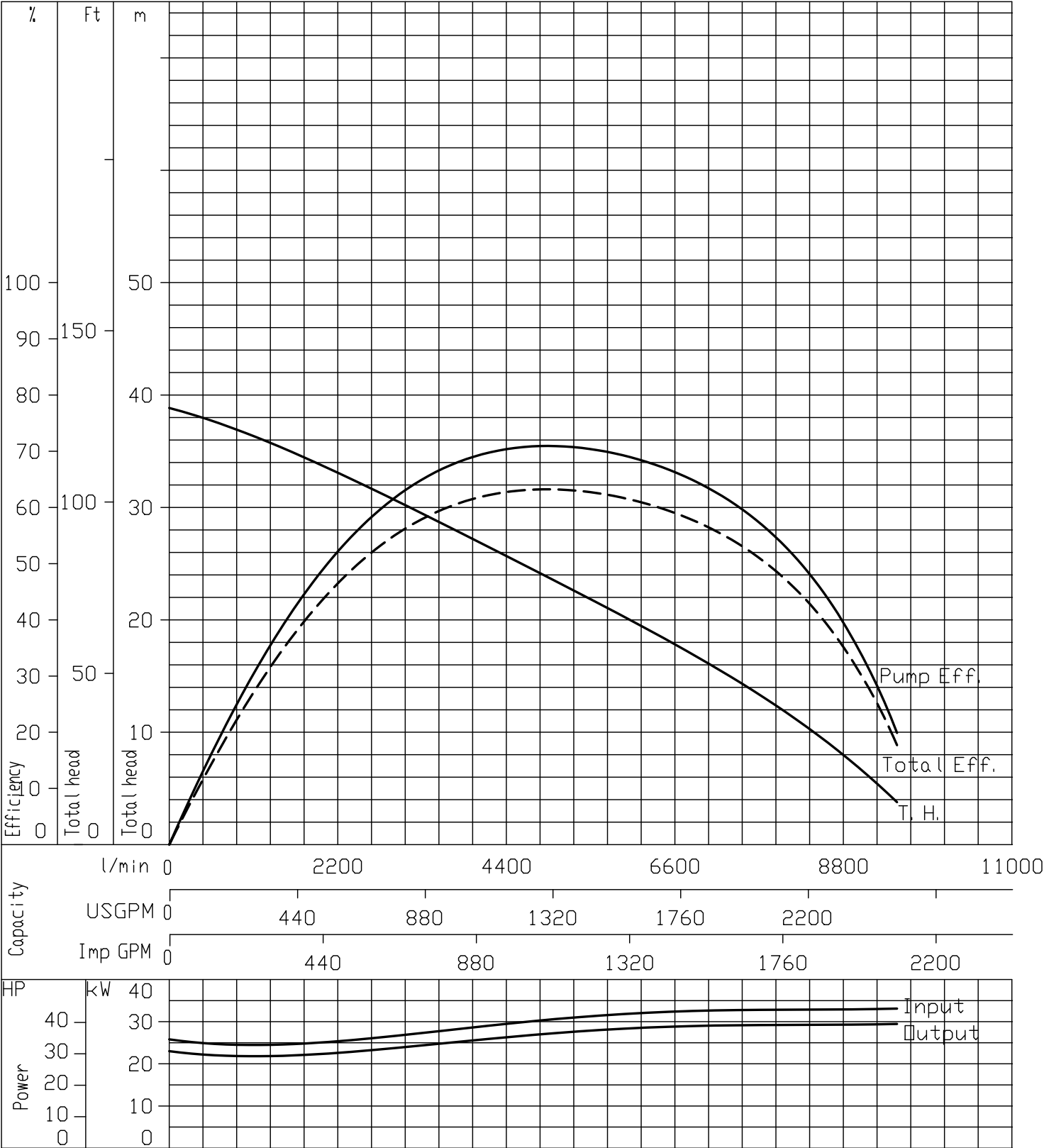


Performance Curve

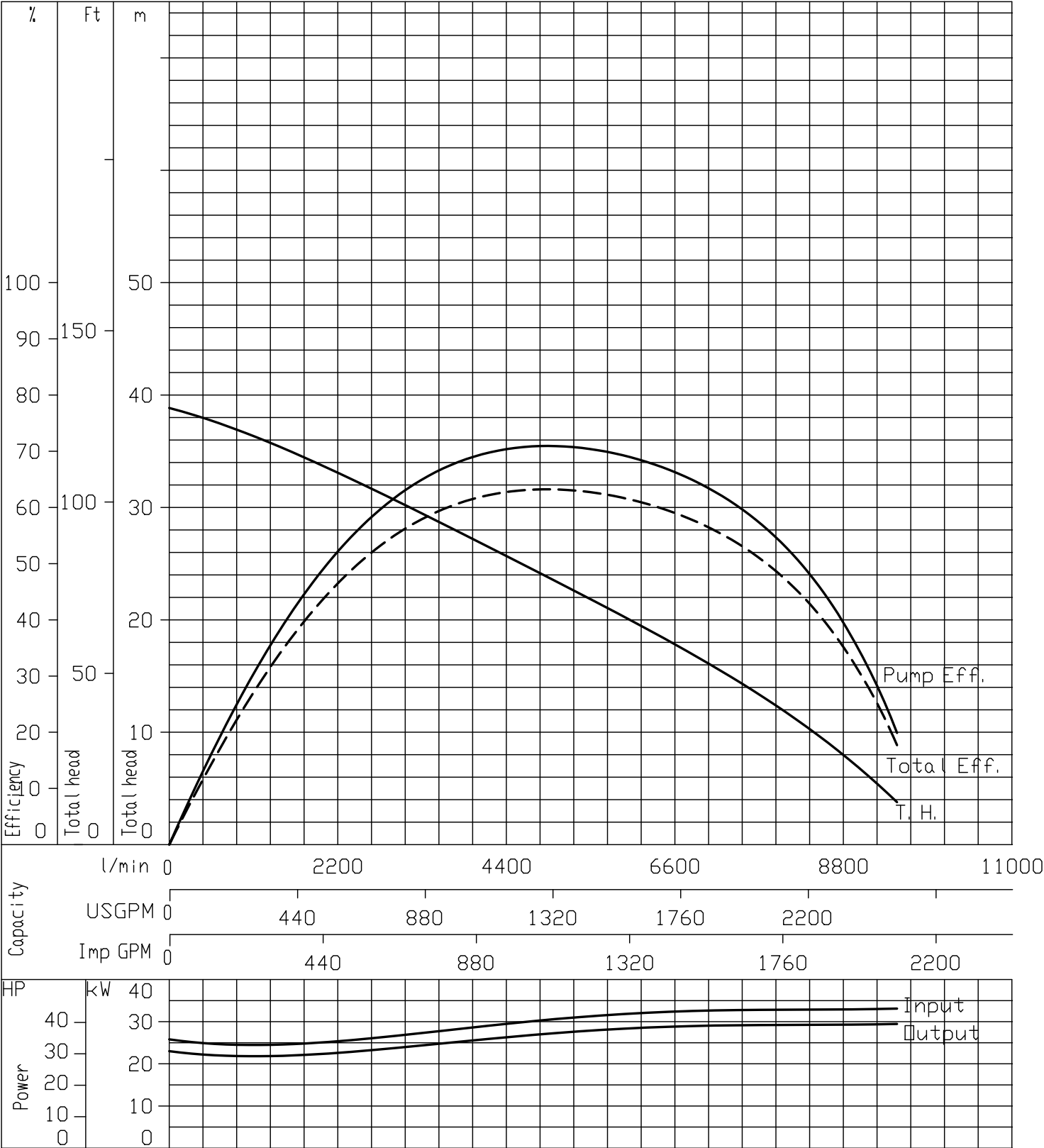
4 Poles

50Hz

150DKE530	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



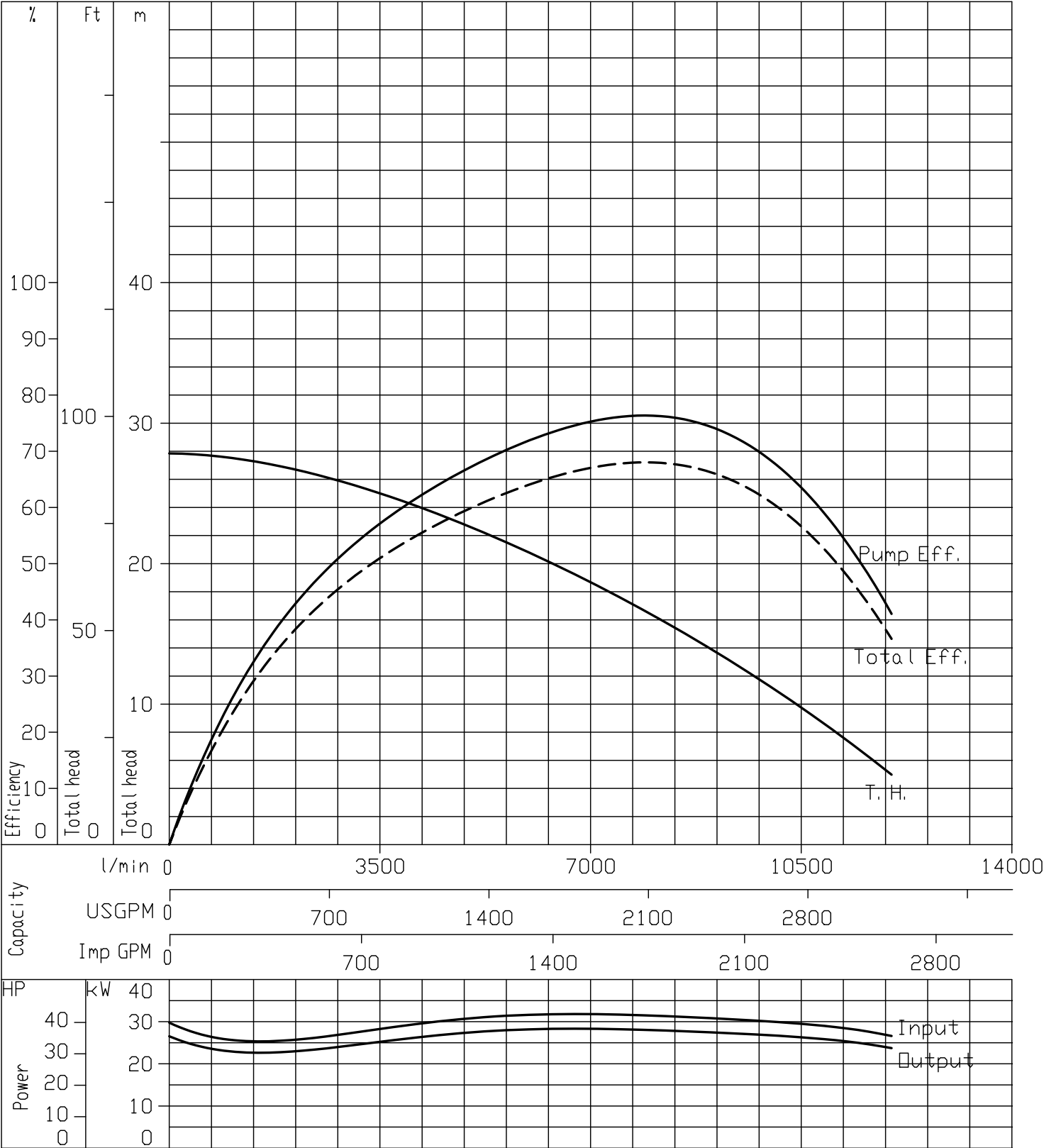
200DKE530	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



Performance Curve
4 Poles

50Hz

250DKE530	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

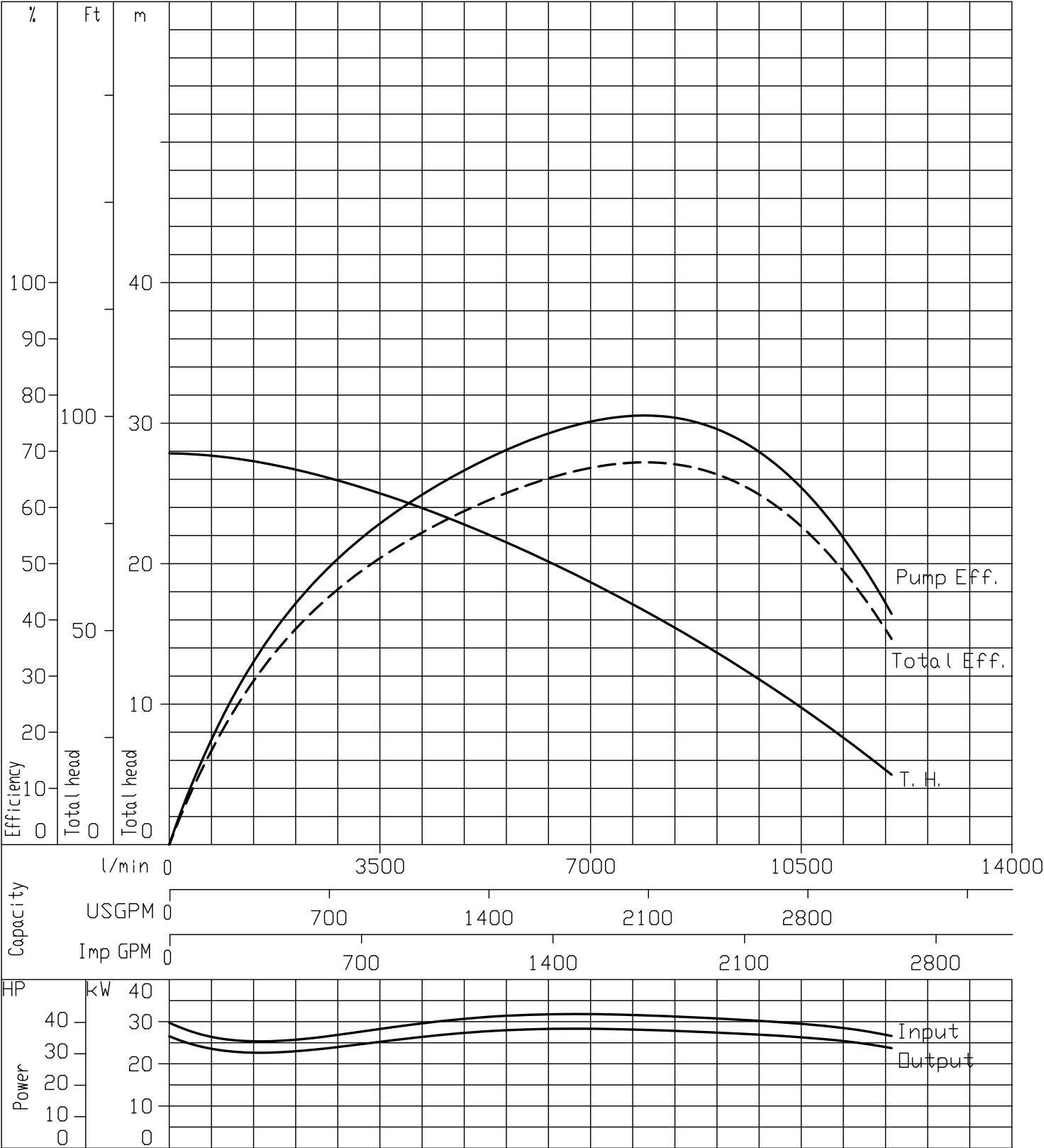


Performance Curve

4 Poles

50Hz

300DKE530		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm ³ Viscosity=1mm ² /s

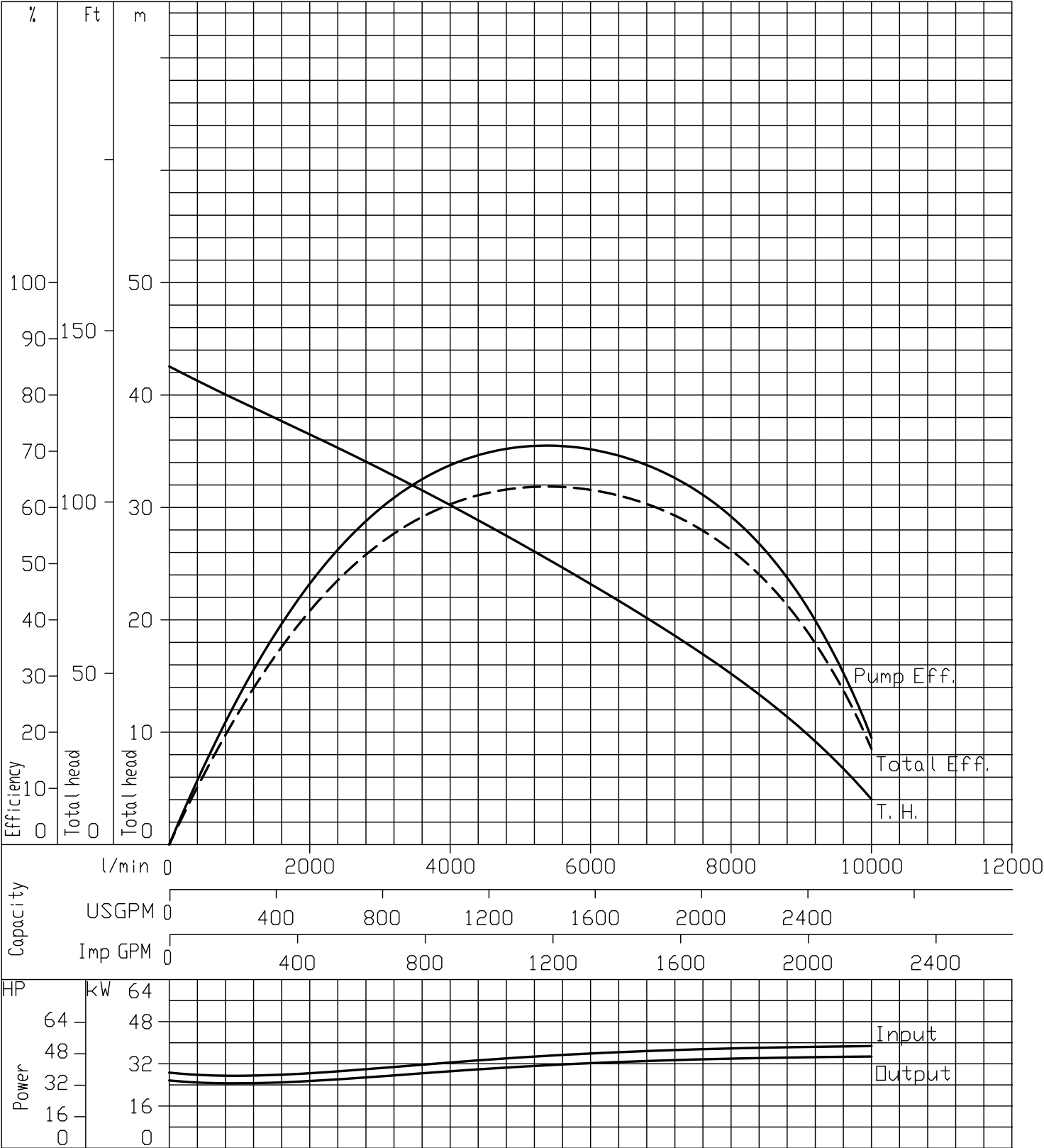


Performance Curve

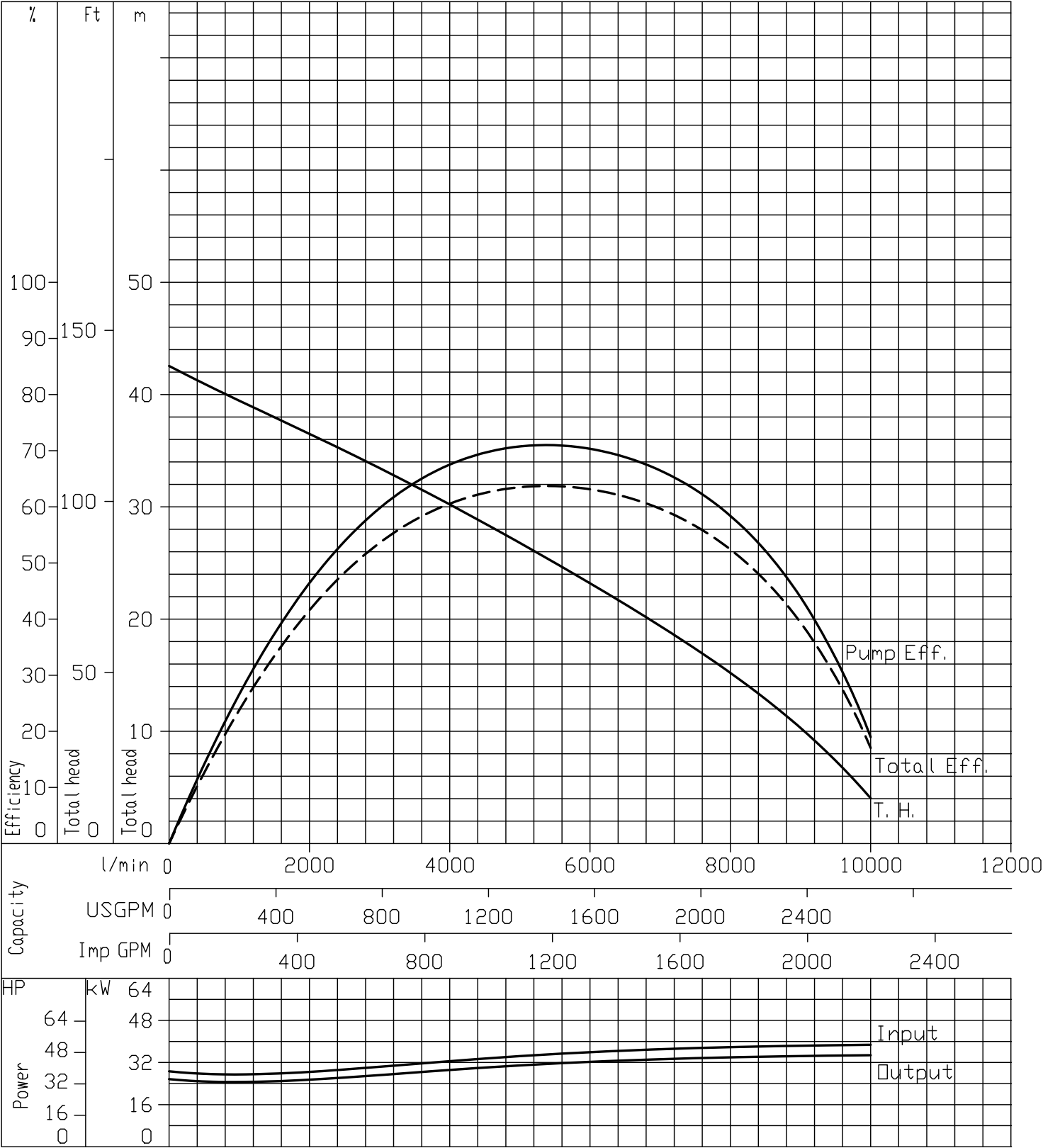
4 Poles

50Hz

150DKE537	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



200DKE537	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

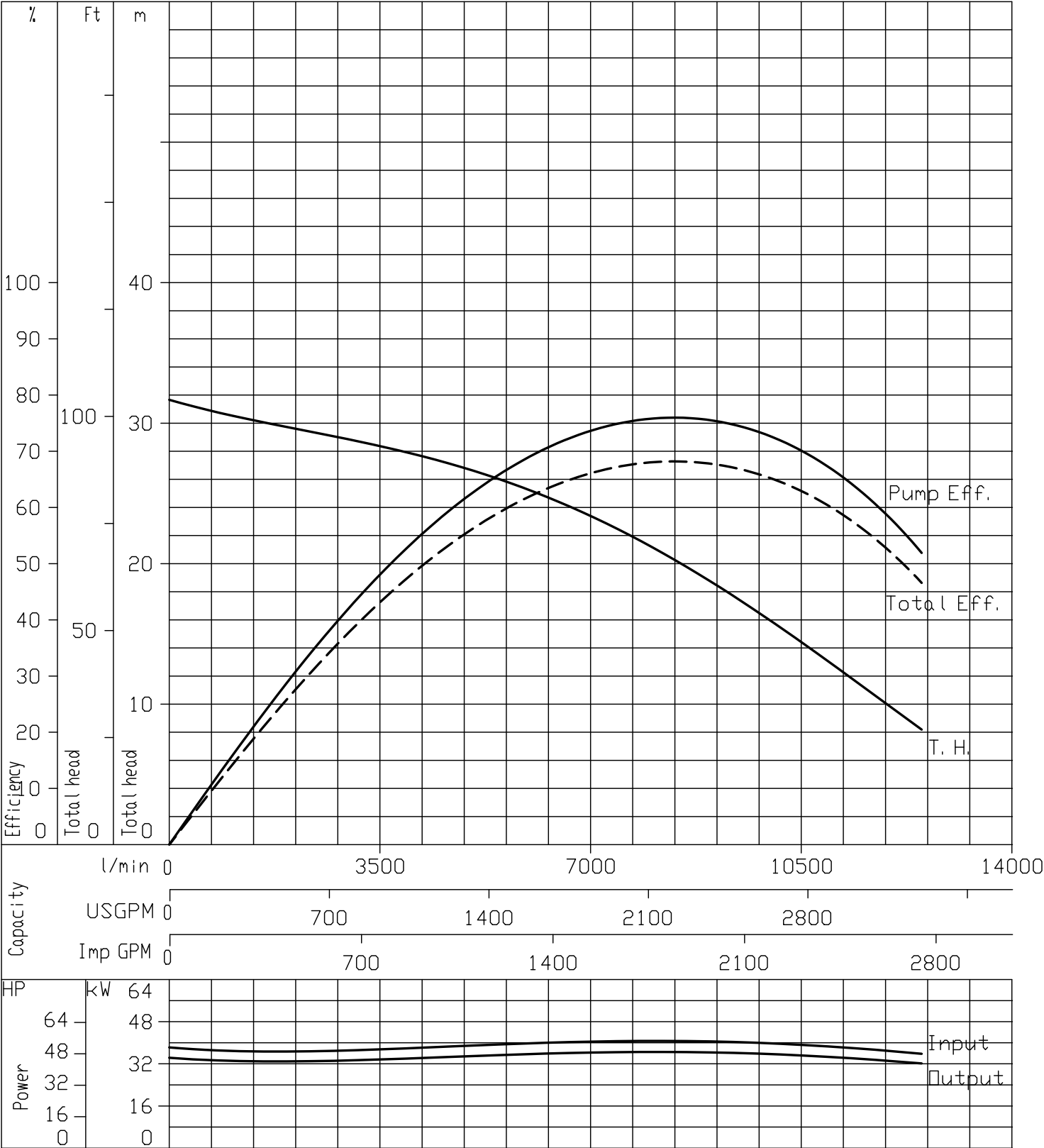


Performance Curve

4 Poles

50Hz

250DKE537	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

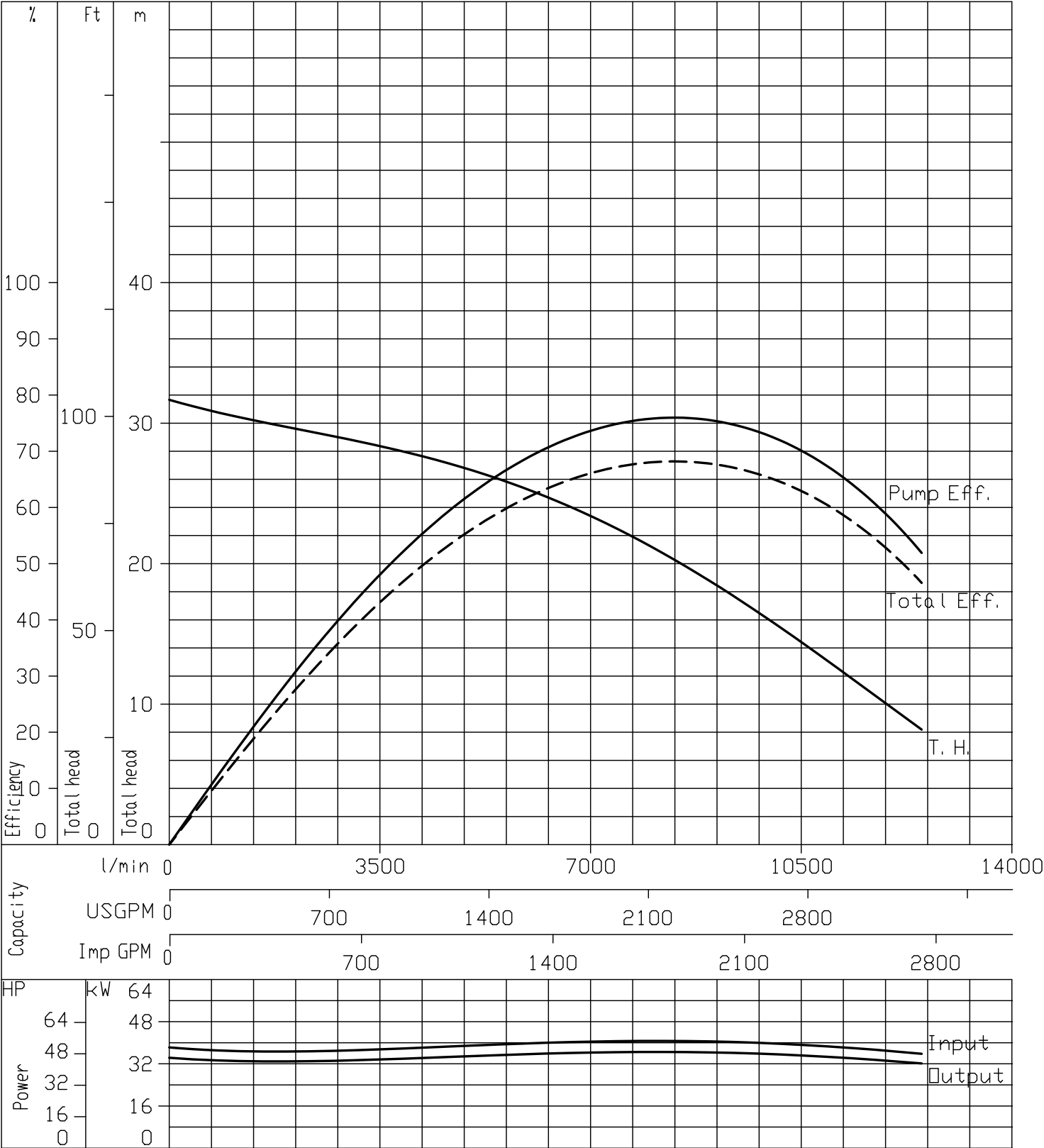


Performance Curve

4 Poles

50Hz

300DKE537	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

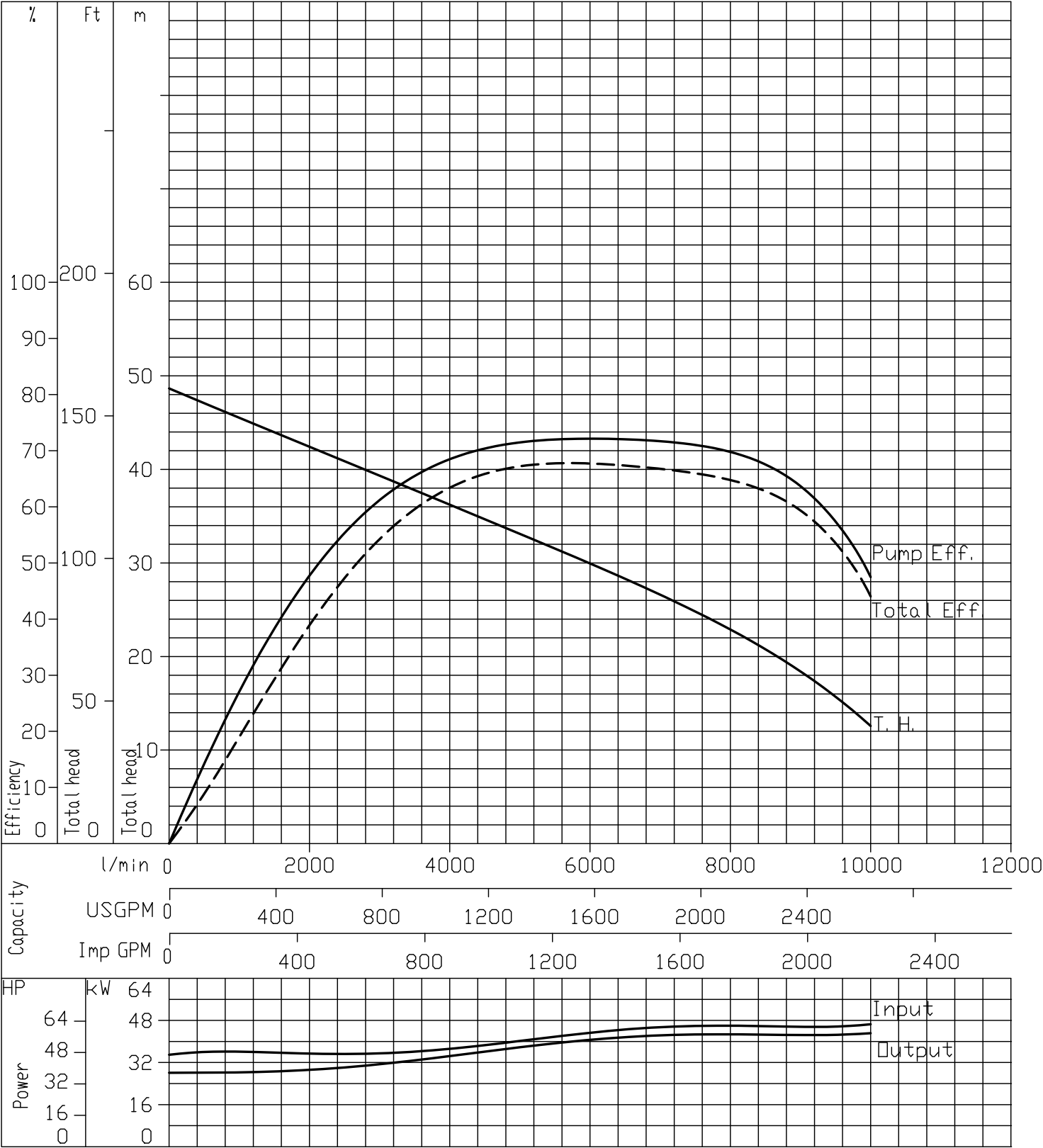


Performance Curve

4 Poles

50Hz

150DKE545	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

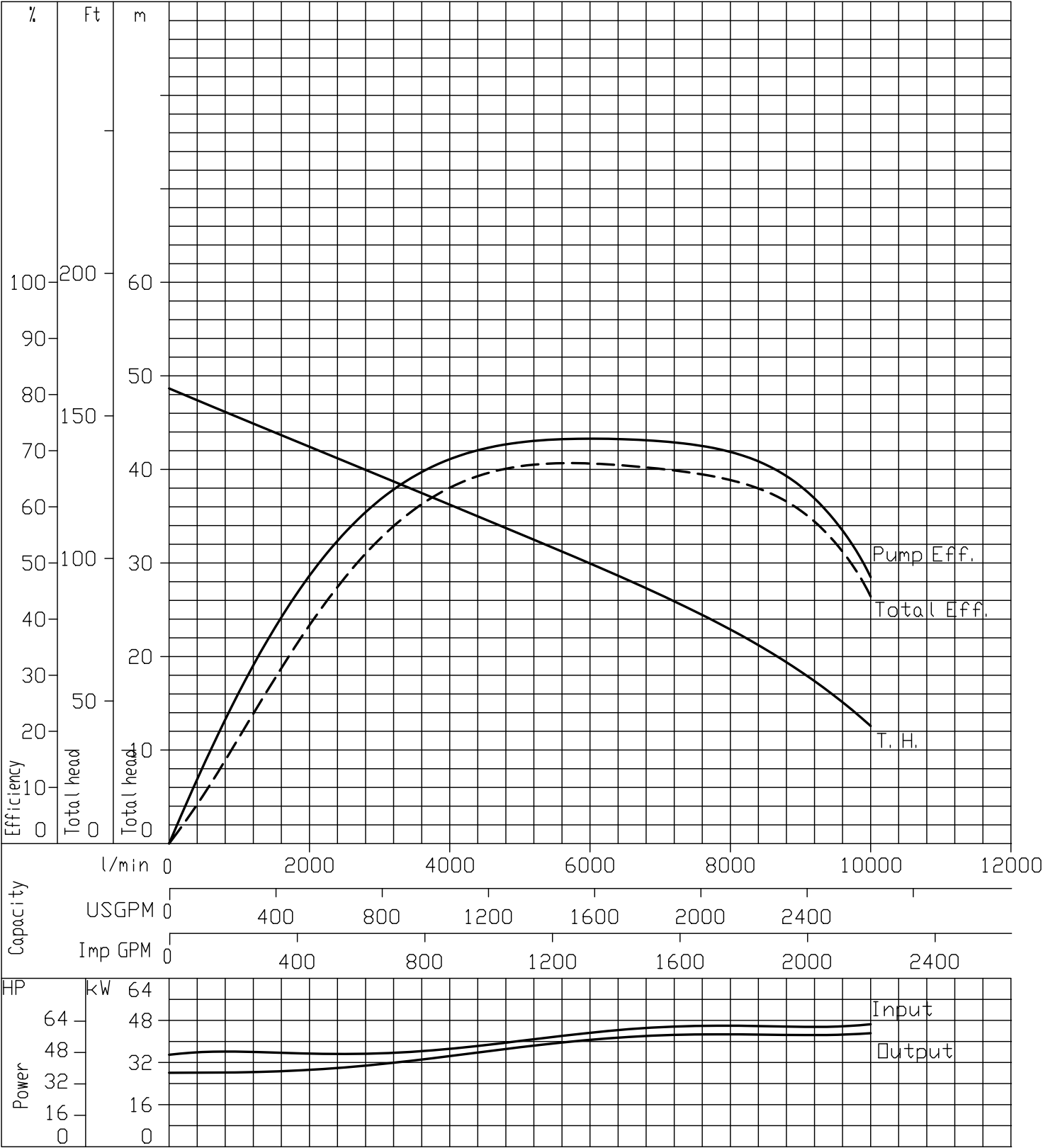


Performance Curve

4 Poles

50Hz

200DKE545	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

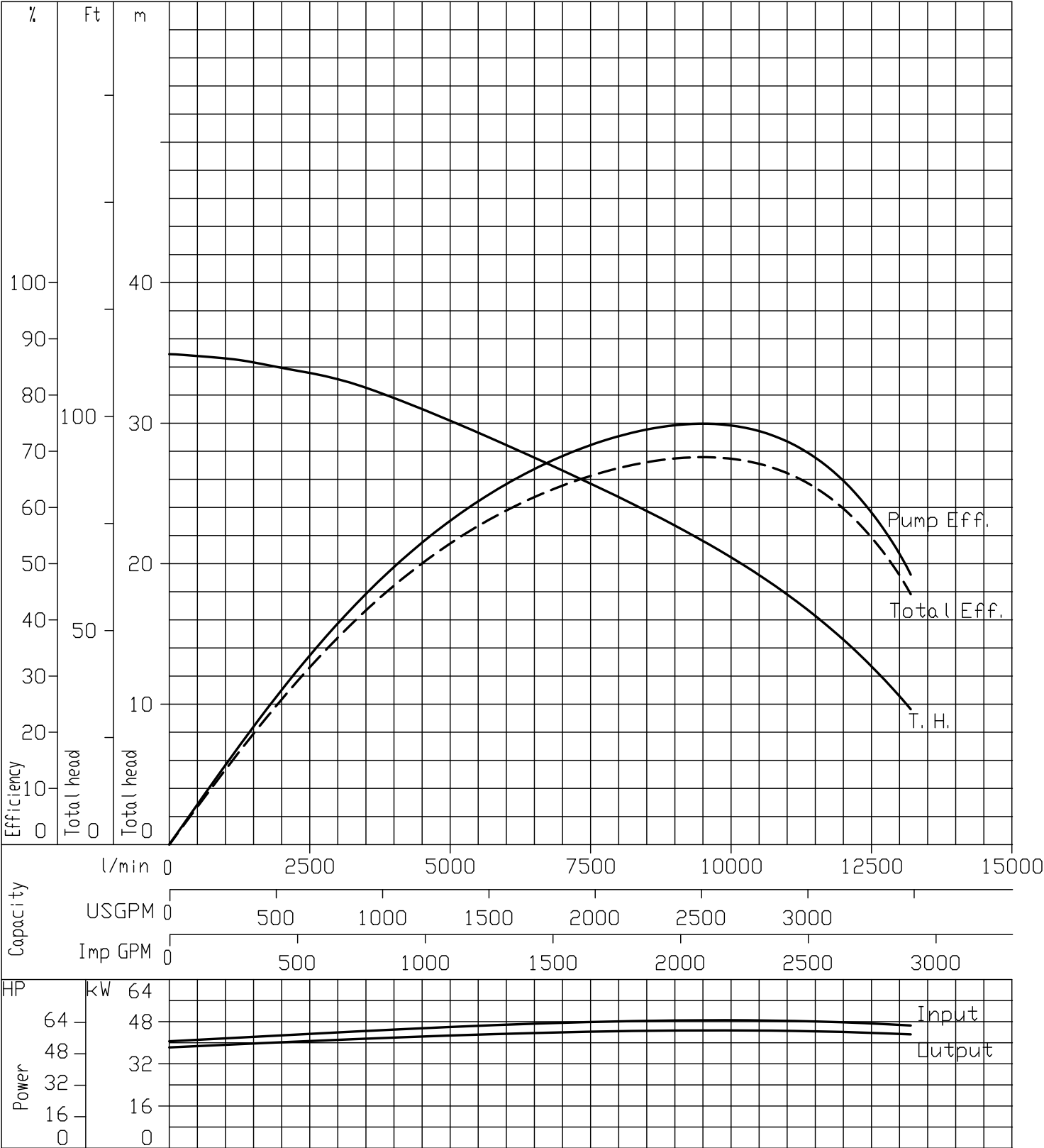


Performance Curve

4 Poles

50Hz

250DKE545	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

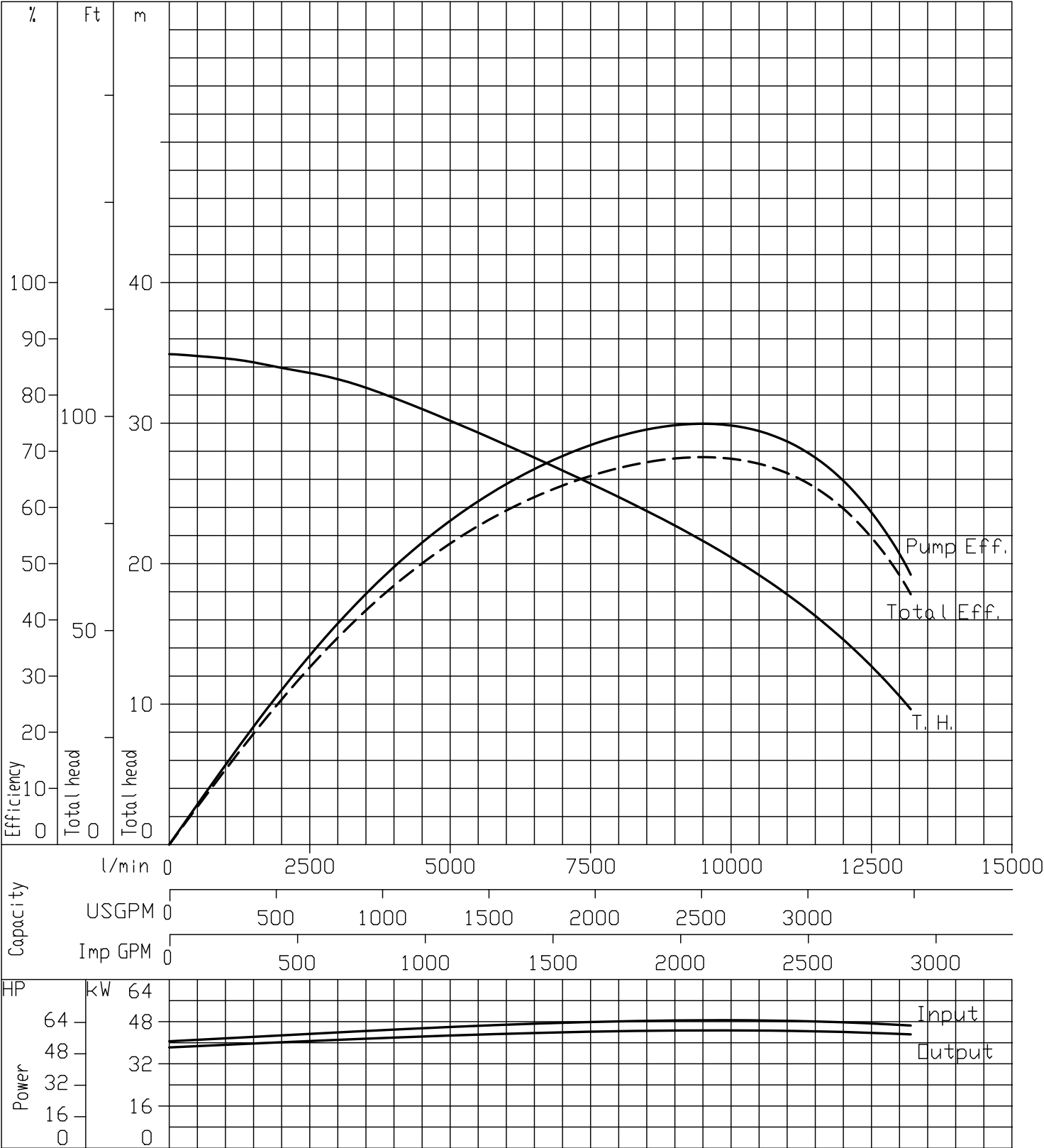


Performance Curve

4 Poles

50Hz

300DKE545		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm ³ Viscosity=1mm ² /s

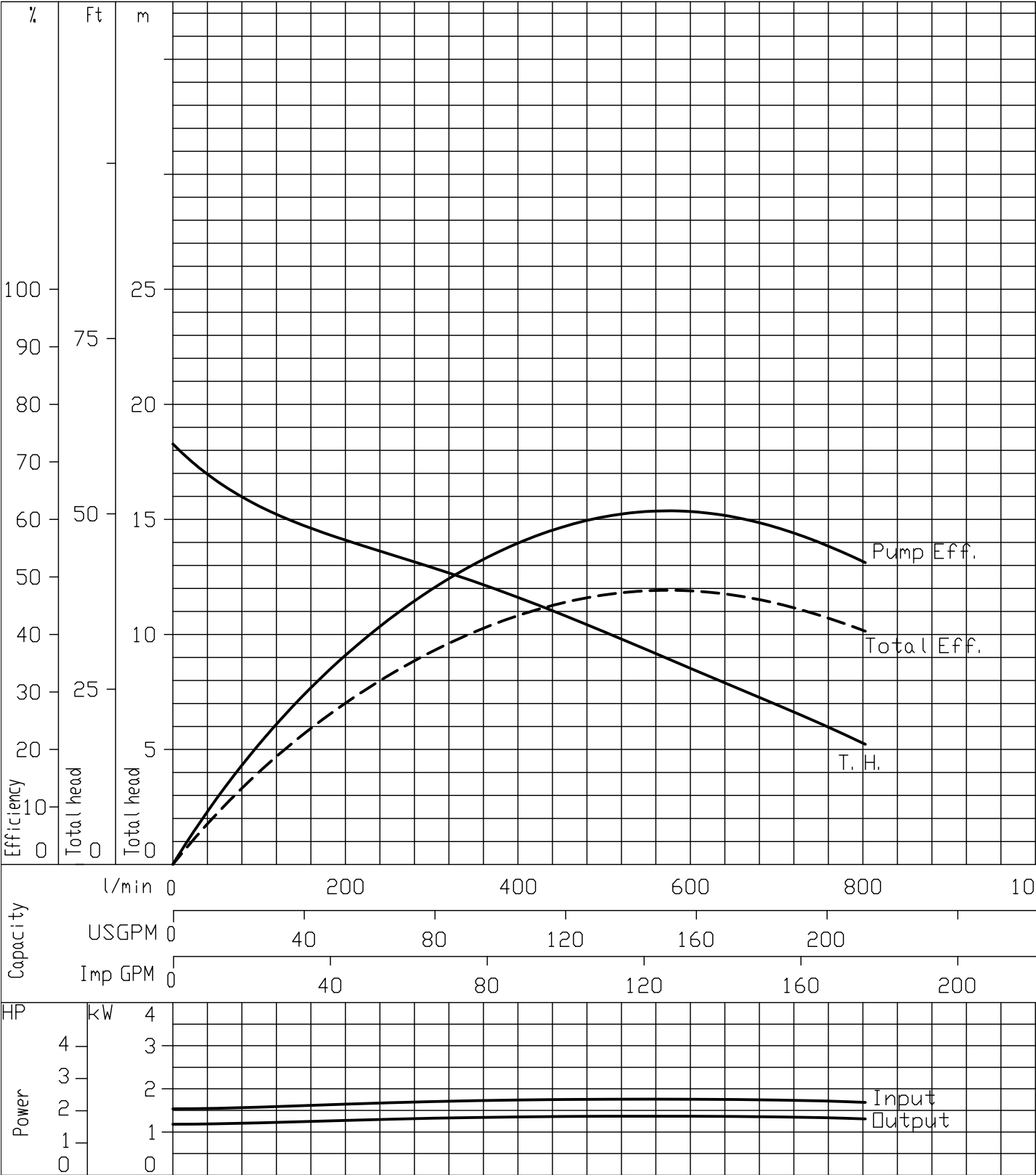


Performance Curve

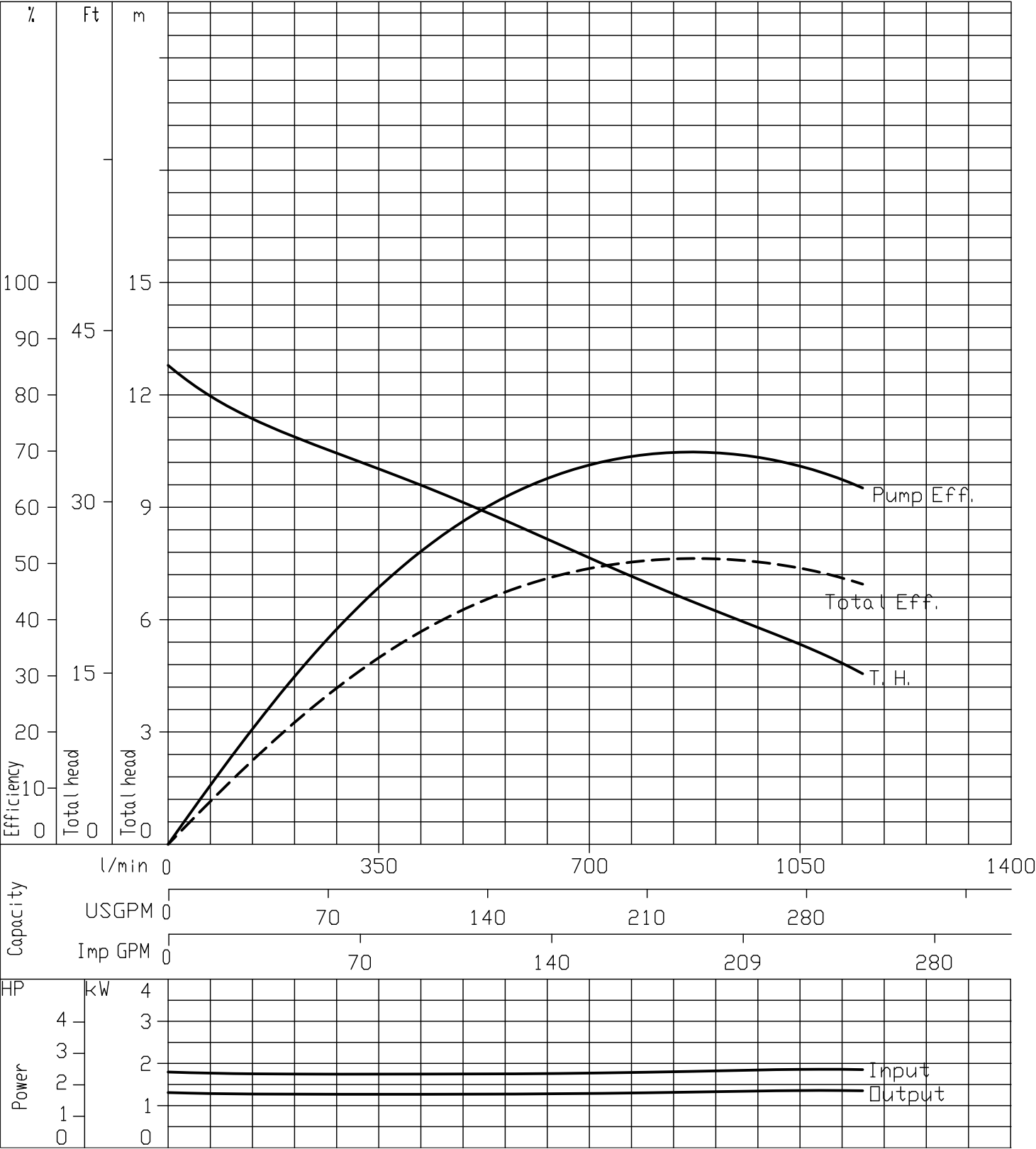
4 Poles

50Hz

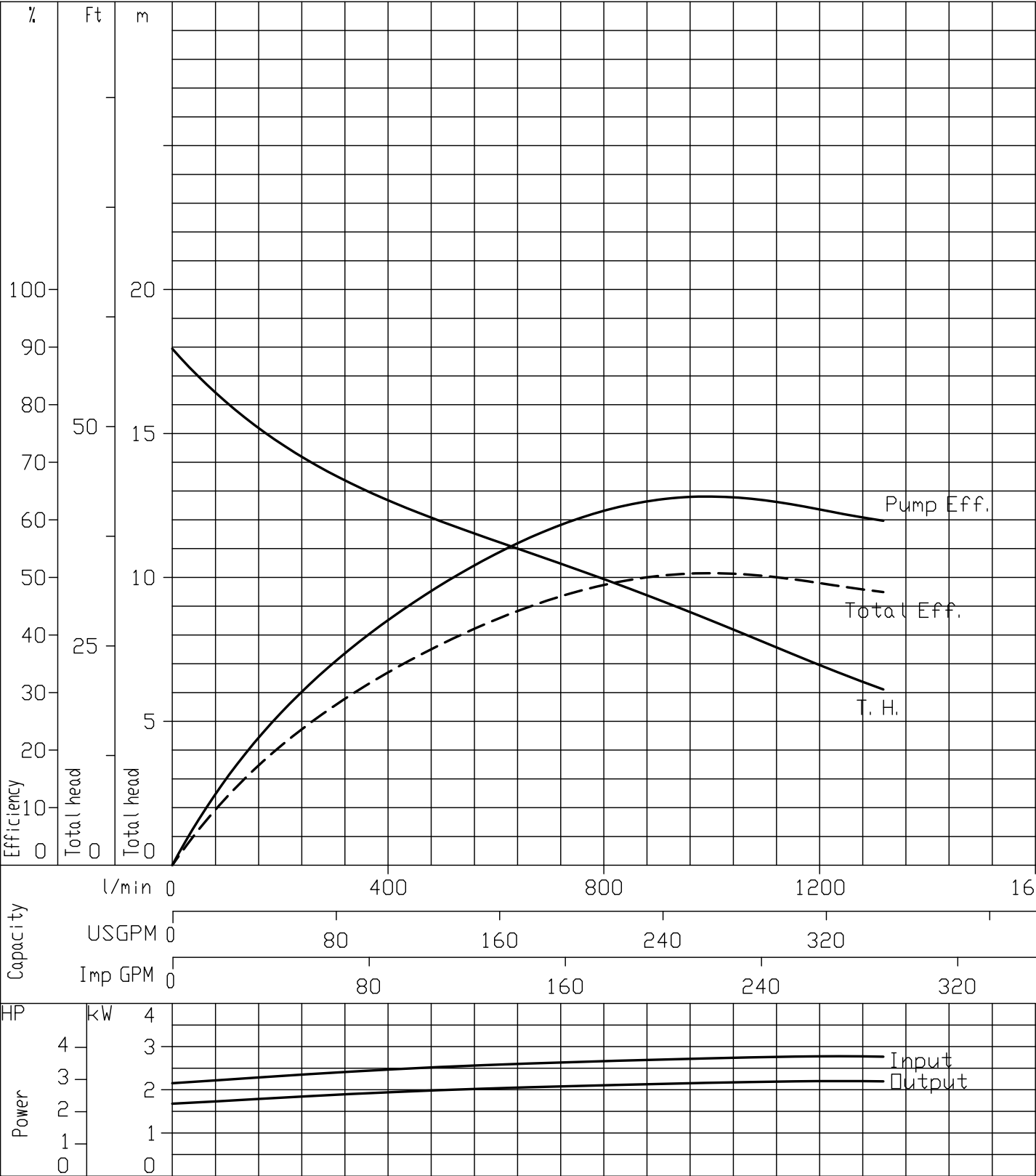
65DKE51.5 IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



80DKE51.5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



80DKE52. 2_ IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

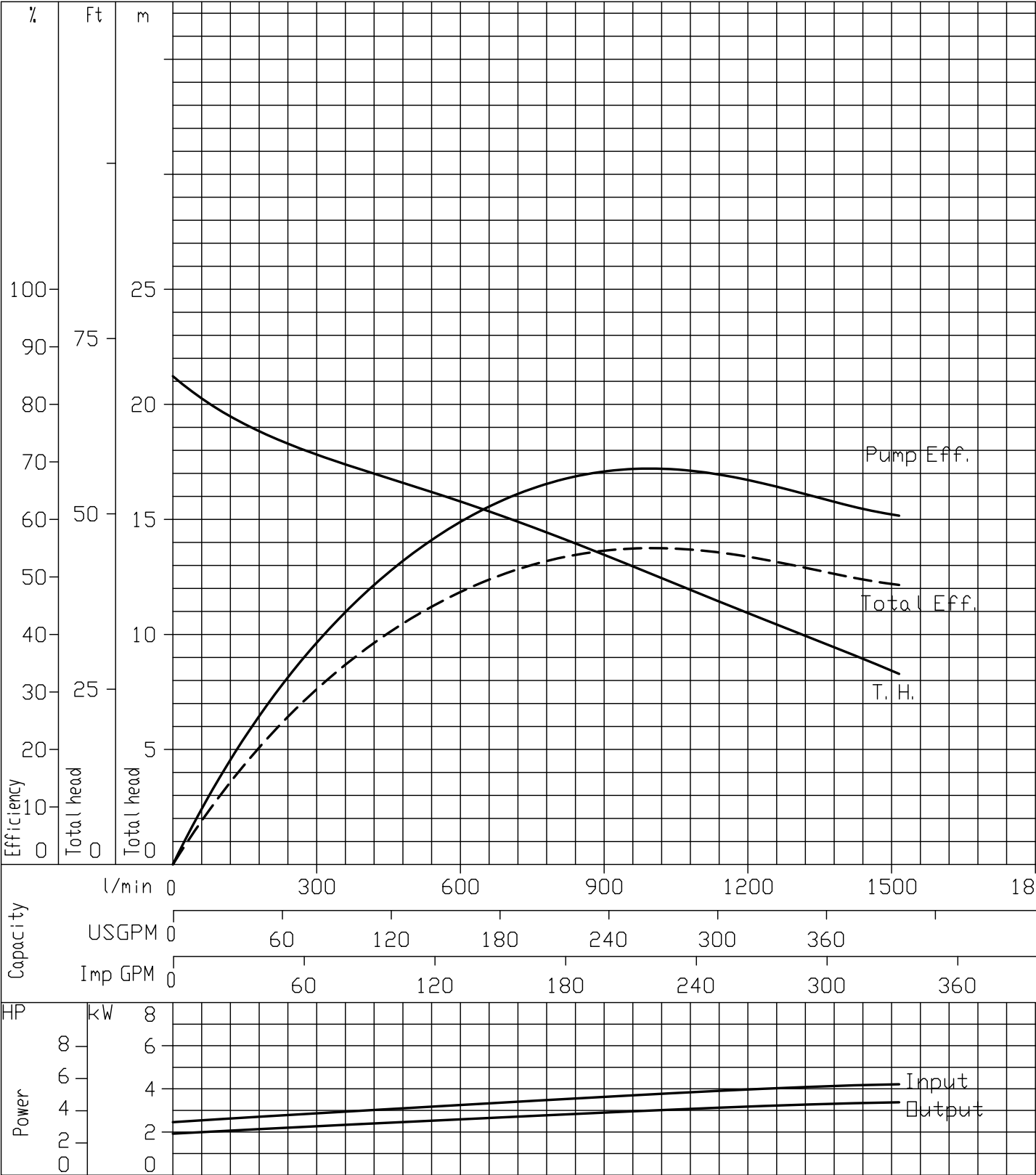


Performance Curve

4 Poles

50Hz

80DKE53. 7_ IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

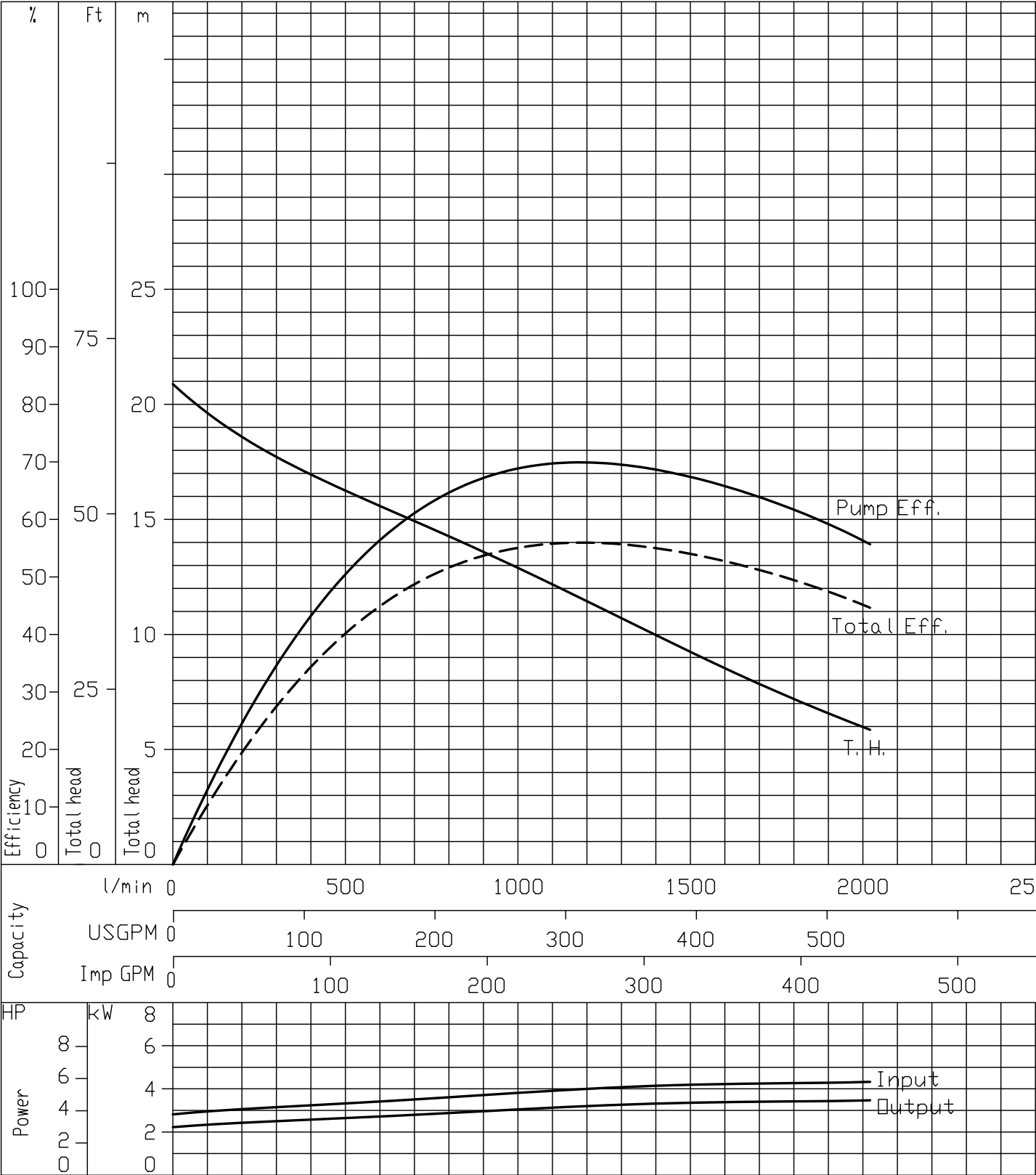


Performance Curve

4 Poles

50Hz

100DKE53. 7 _IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

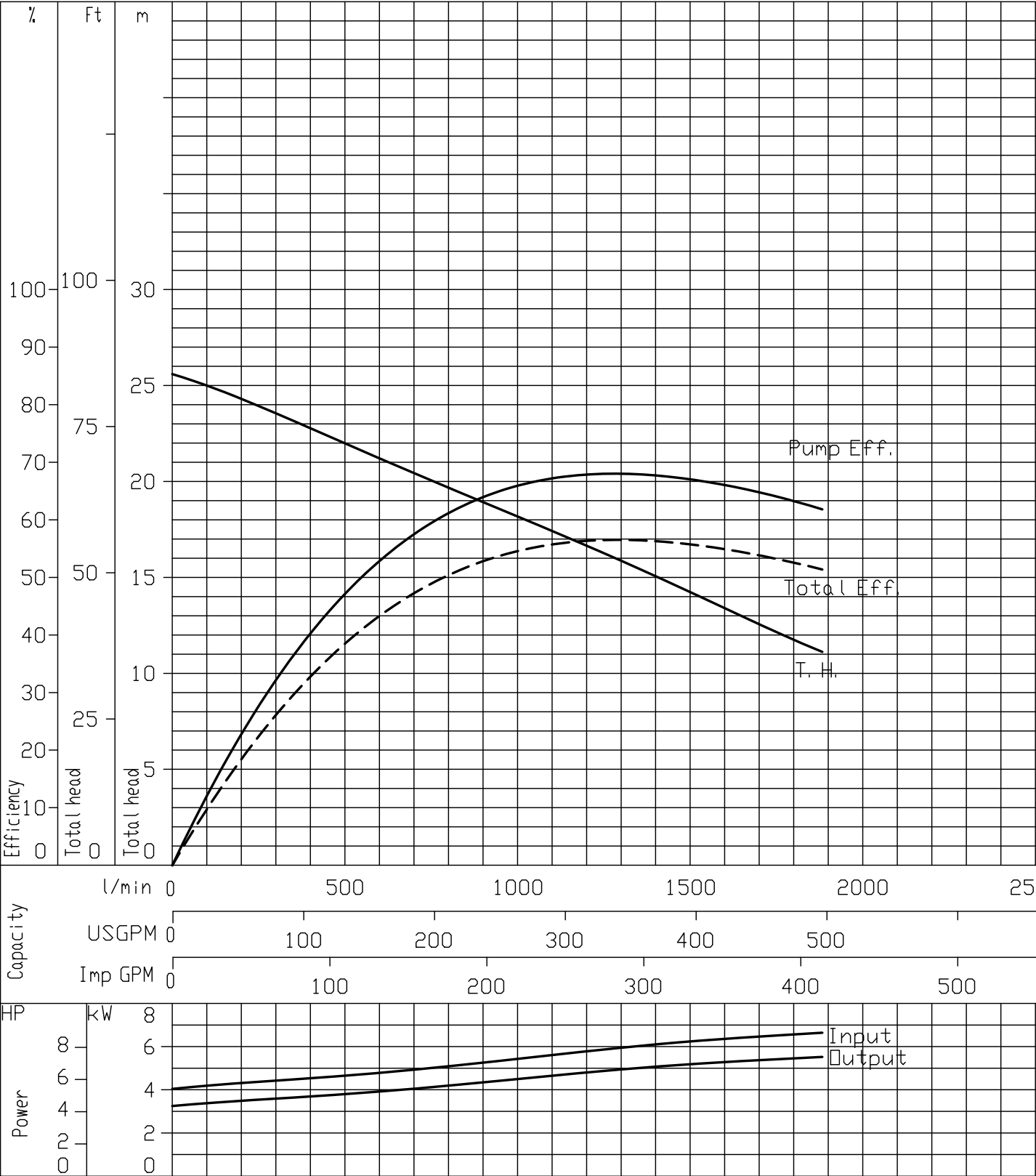


Performance Curve

4 Poles

50Hz

80DKE55. 5 IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

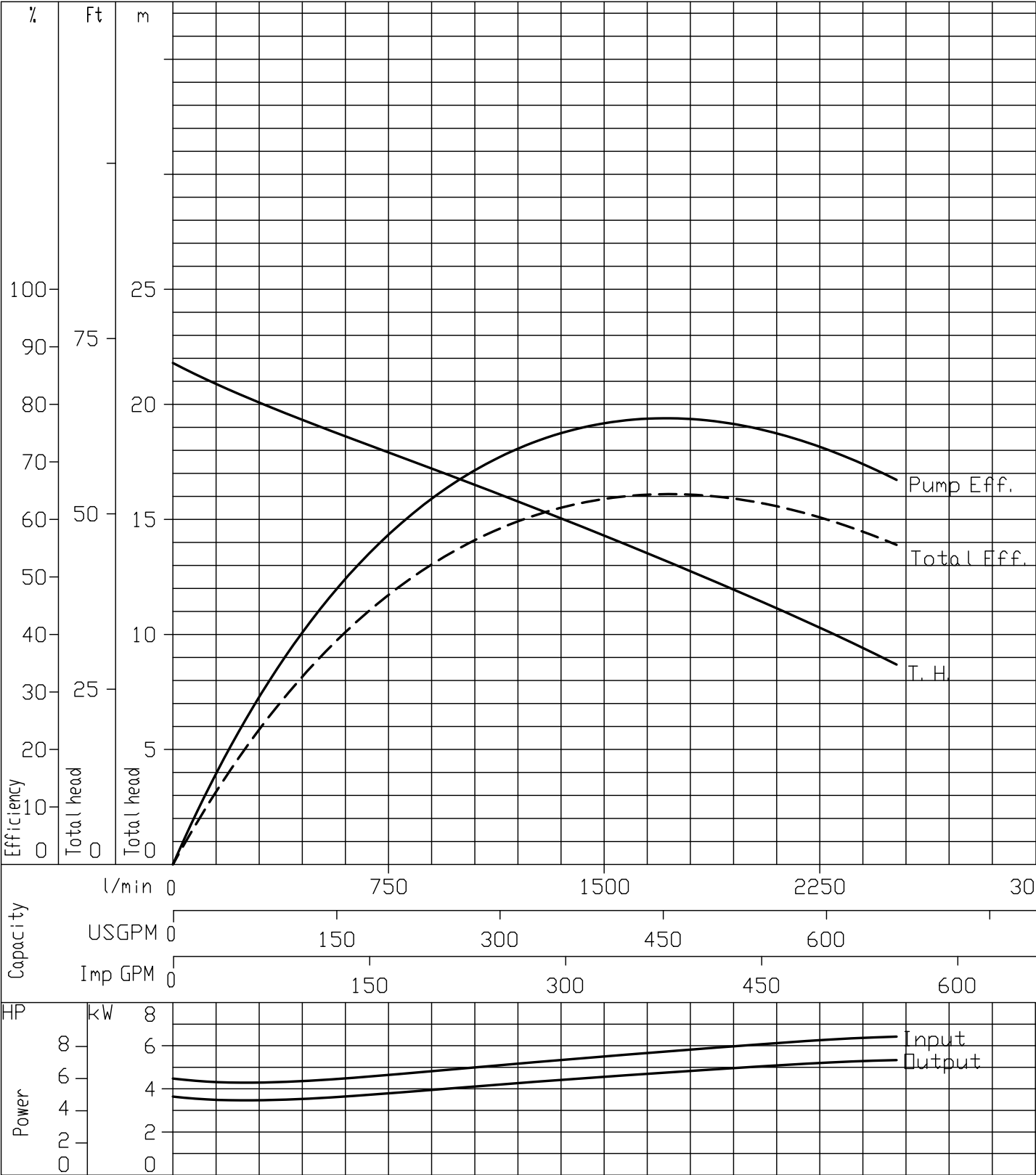


Performance Curve

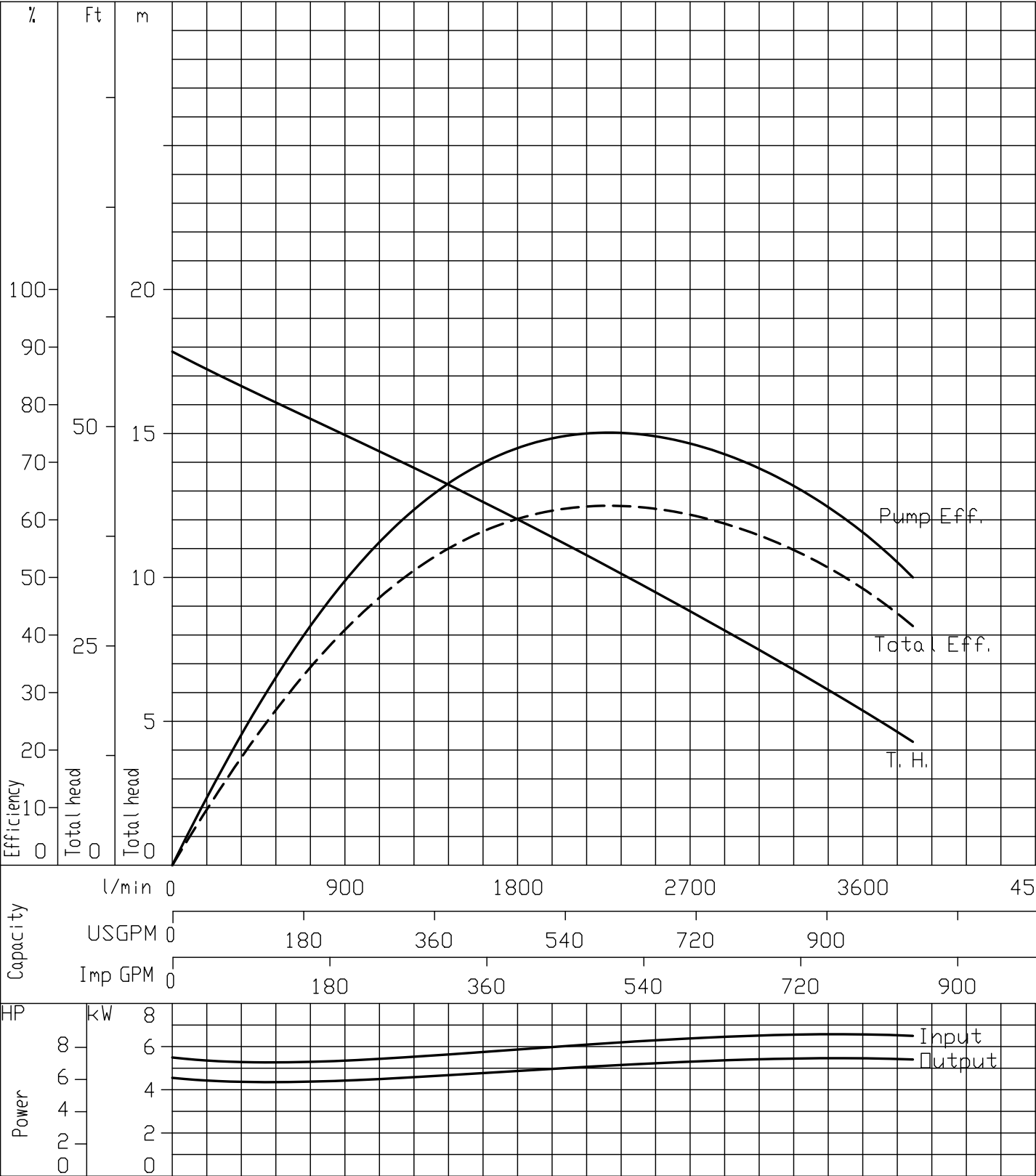
4 Poles

50Hz

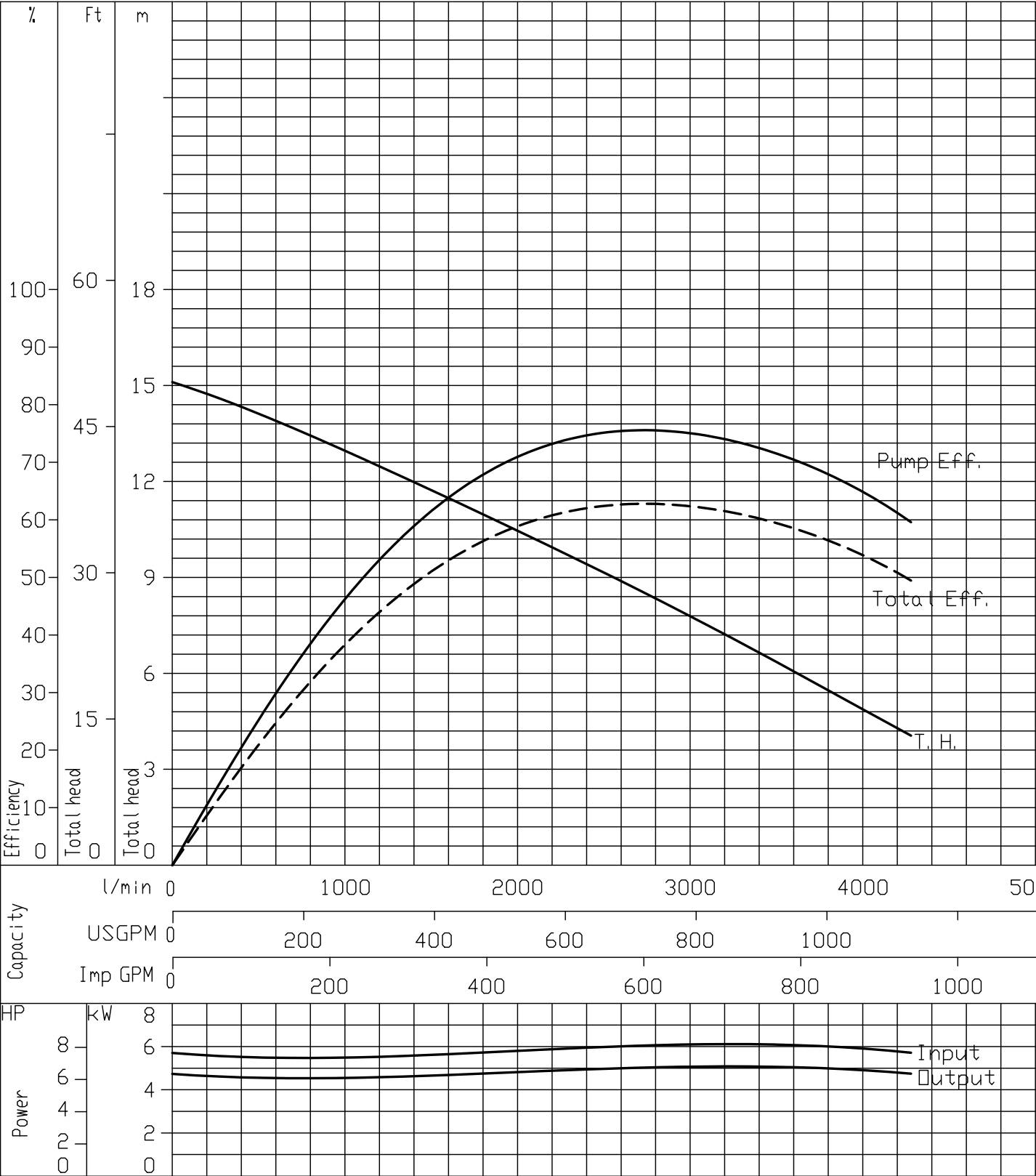
100DKEB55. 5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



100DKE55.5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



150DKE55.5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

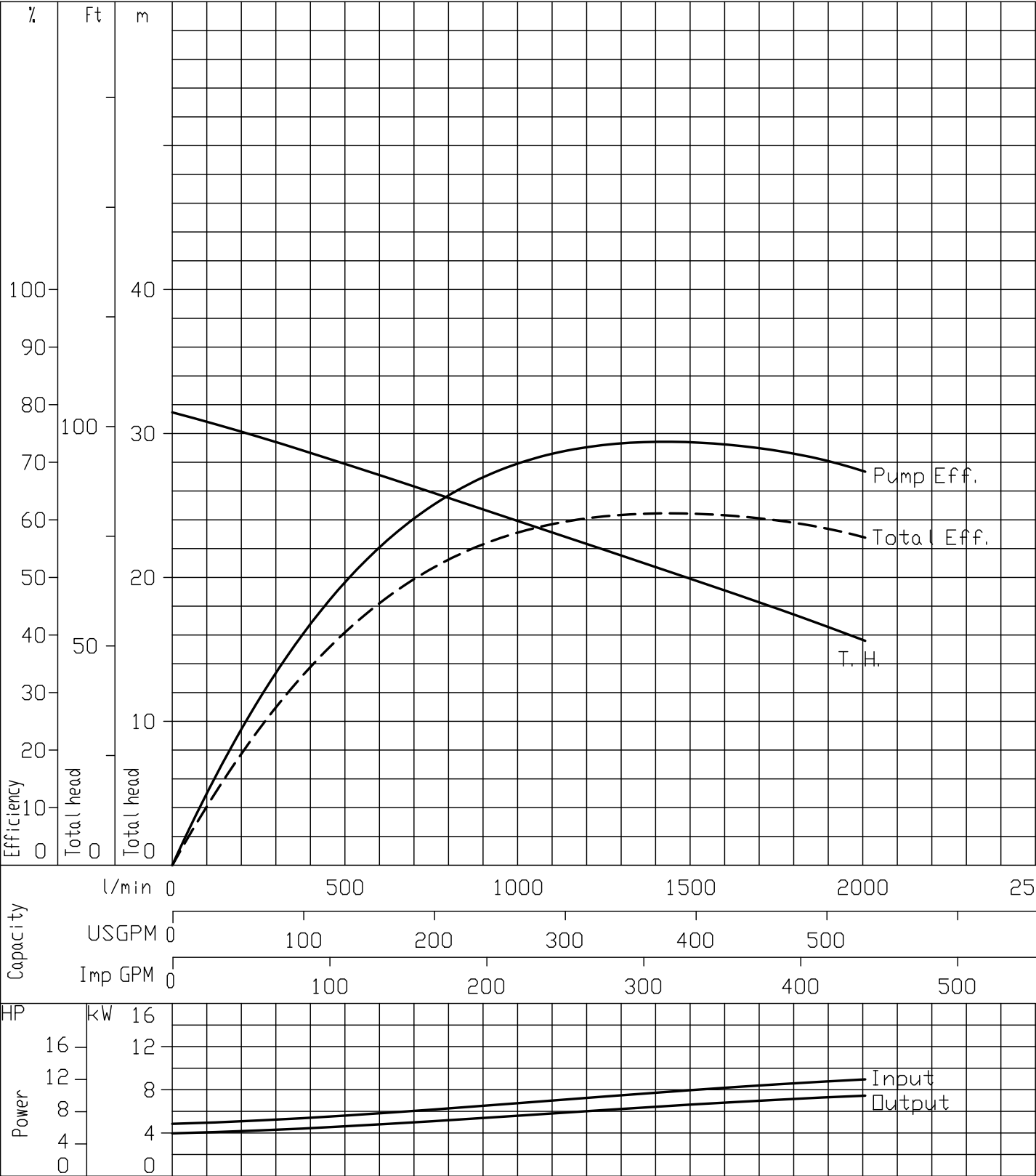


Performance Curve

4 Poles

50Hz

80DKE57.5 IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

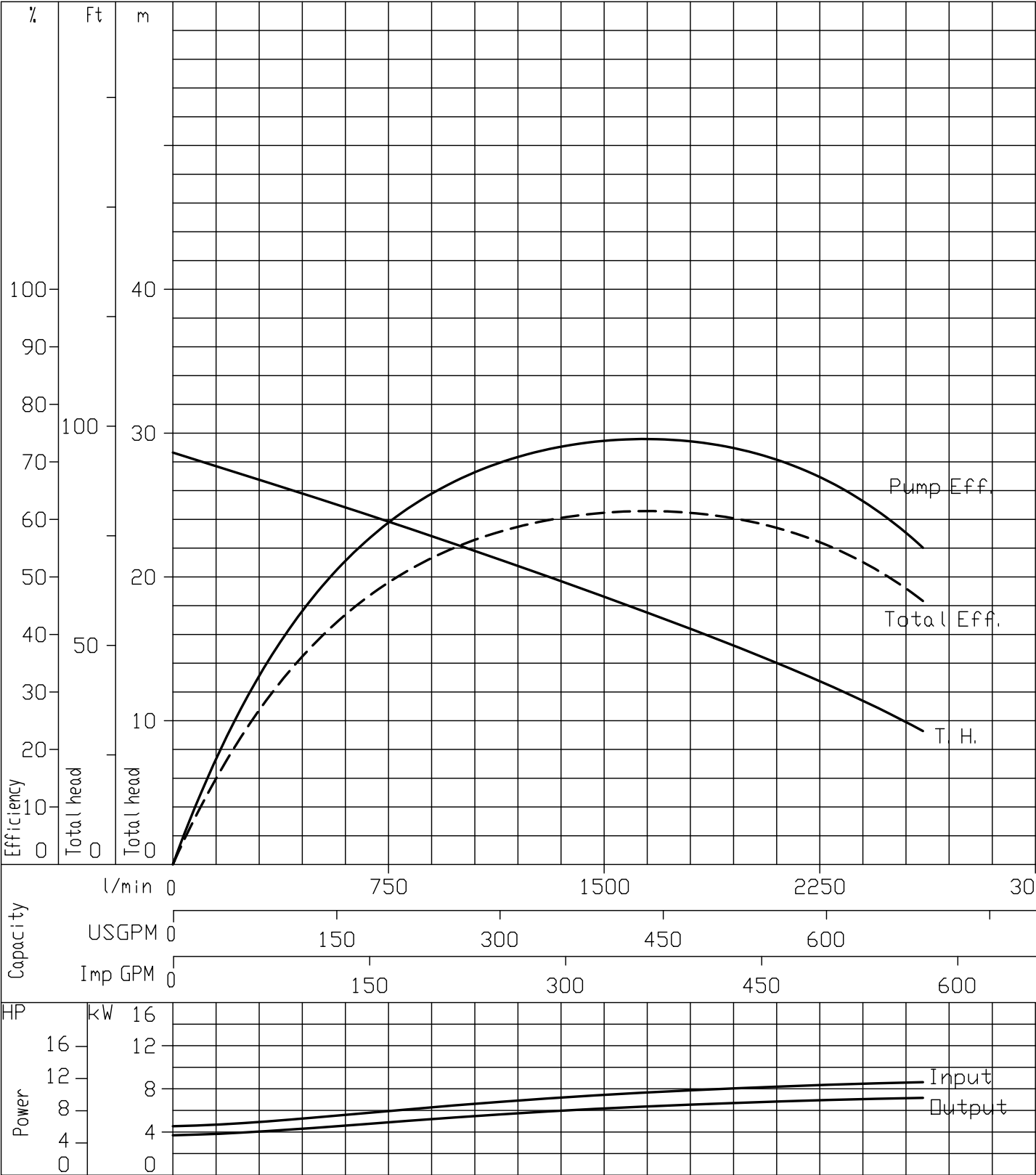


Performance Curve

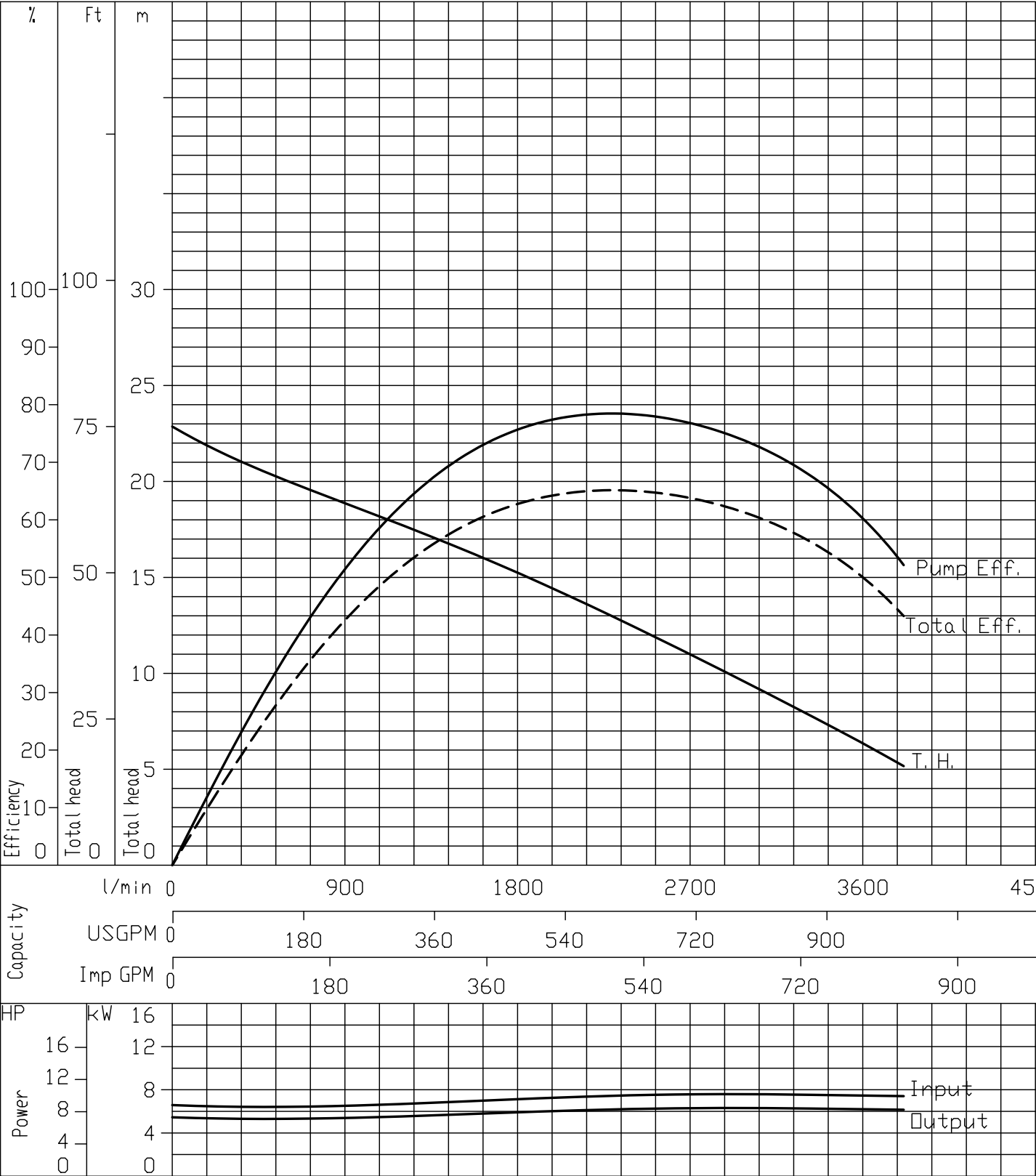
4 Poles

50Hz

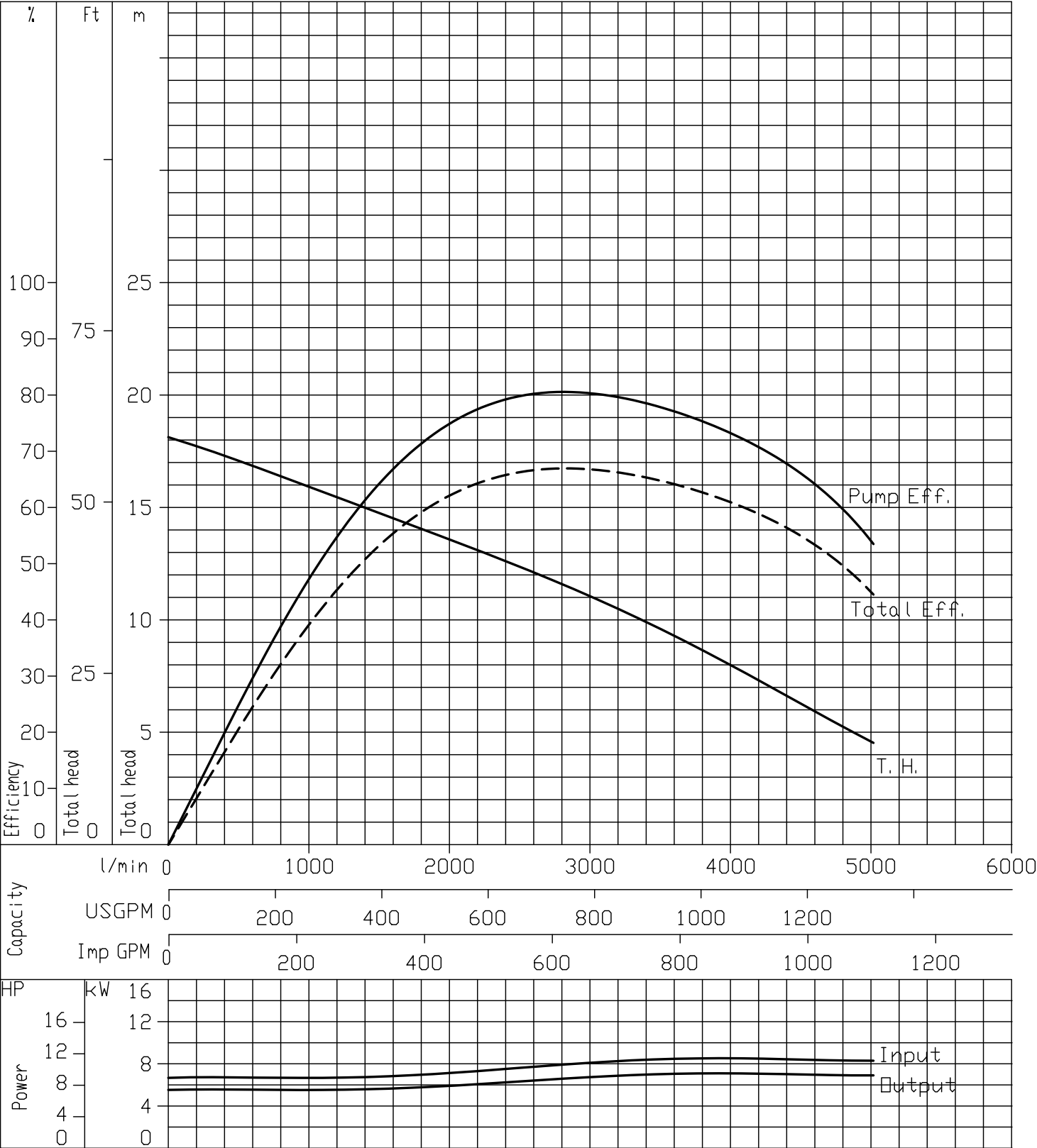
100DKEB57.5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



100DKE57.5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



150DKE57.5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

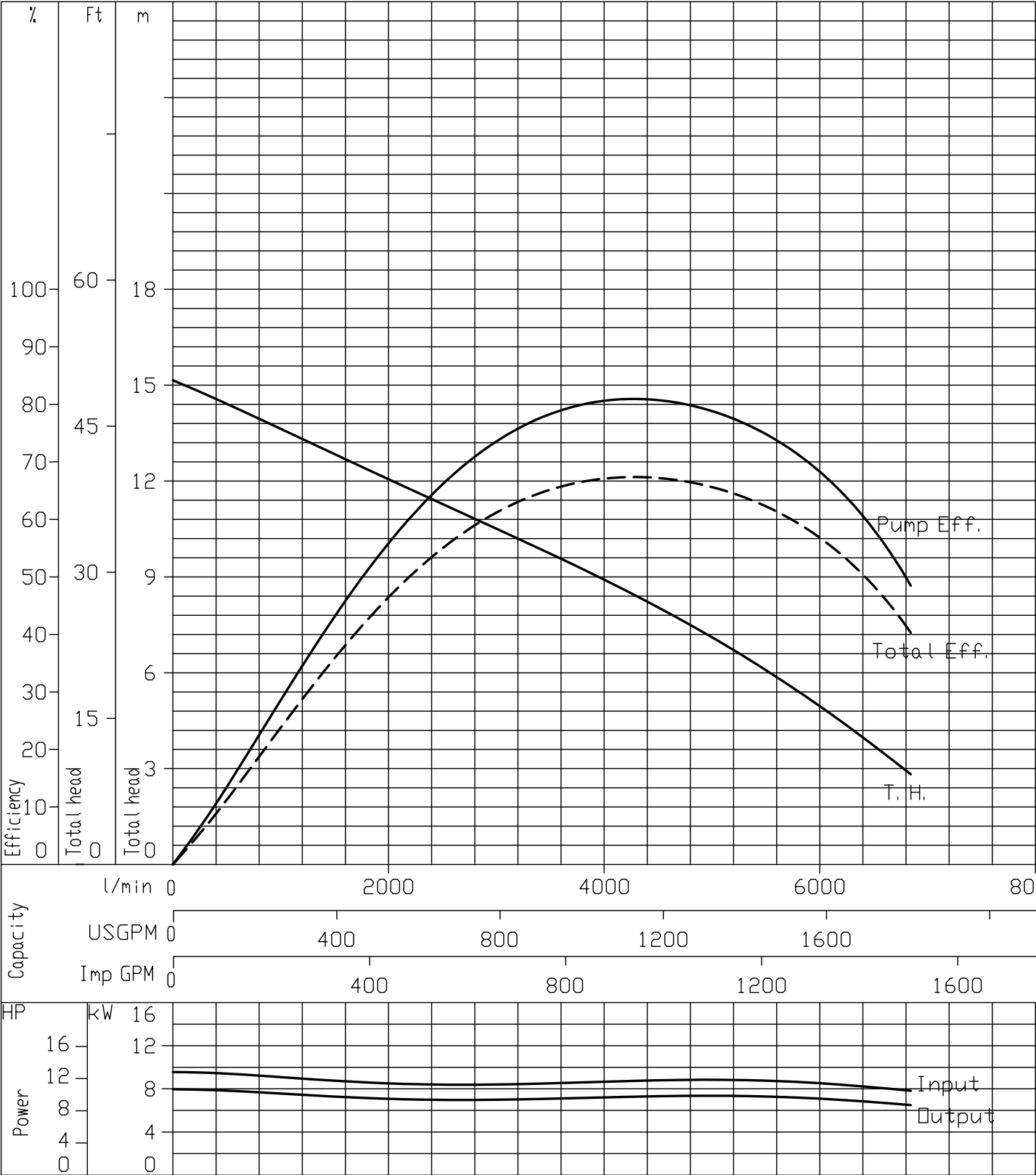


Performance Curve

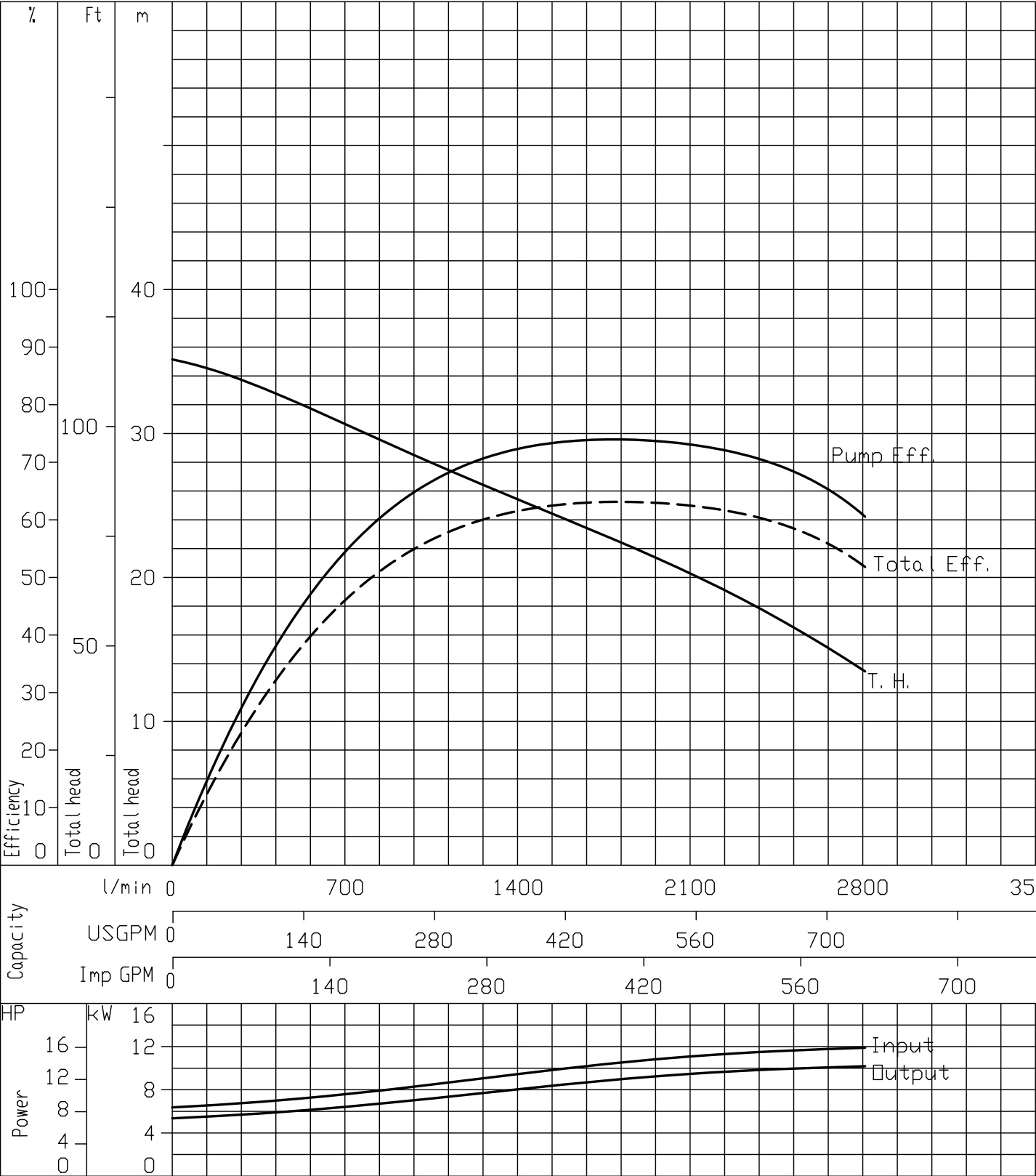
4 Poles

50Hz

200DKE57.5_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



100DKEB511_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

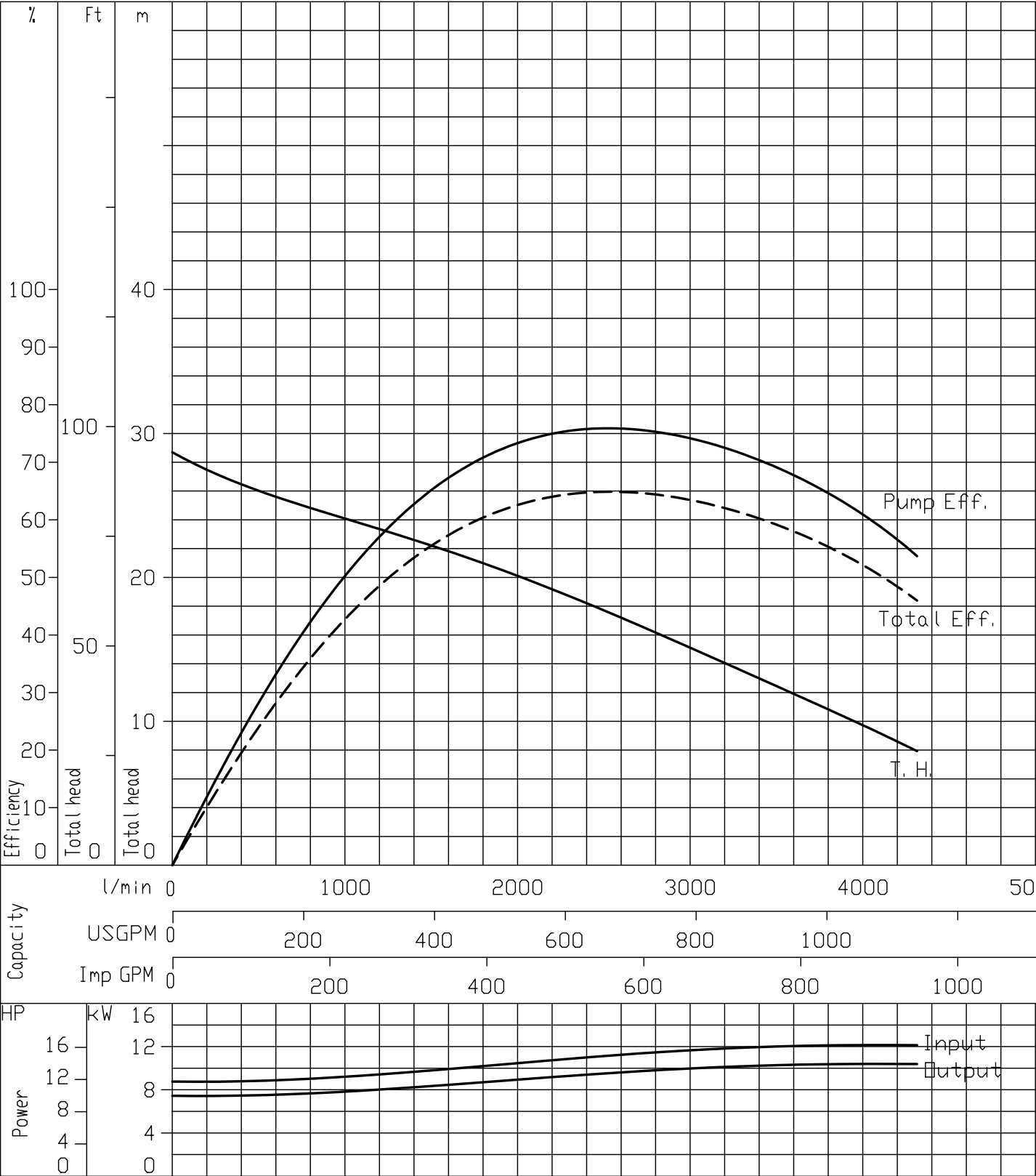


Performance Curve

4 Poles

50Hz

100DKE511_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

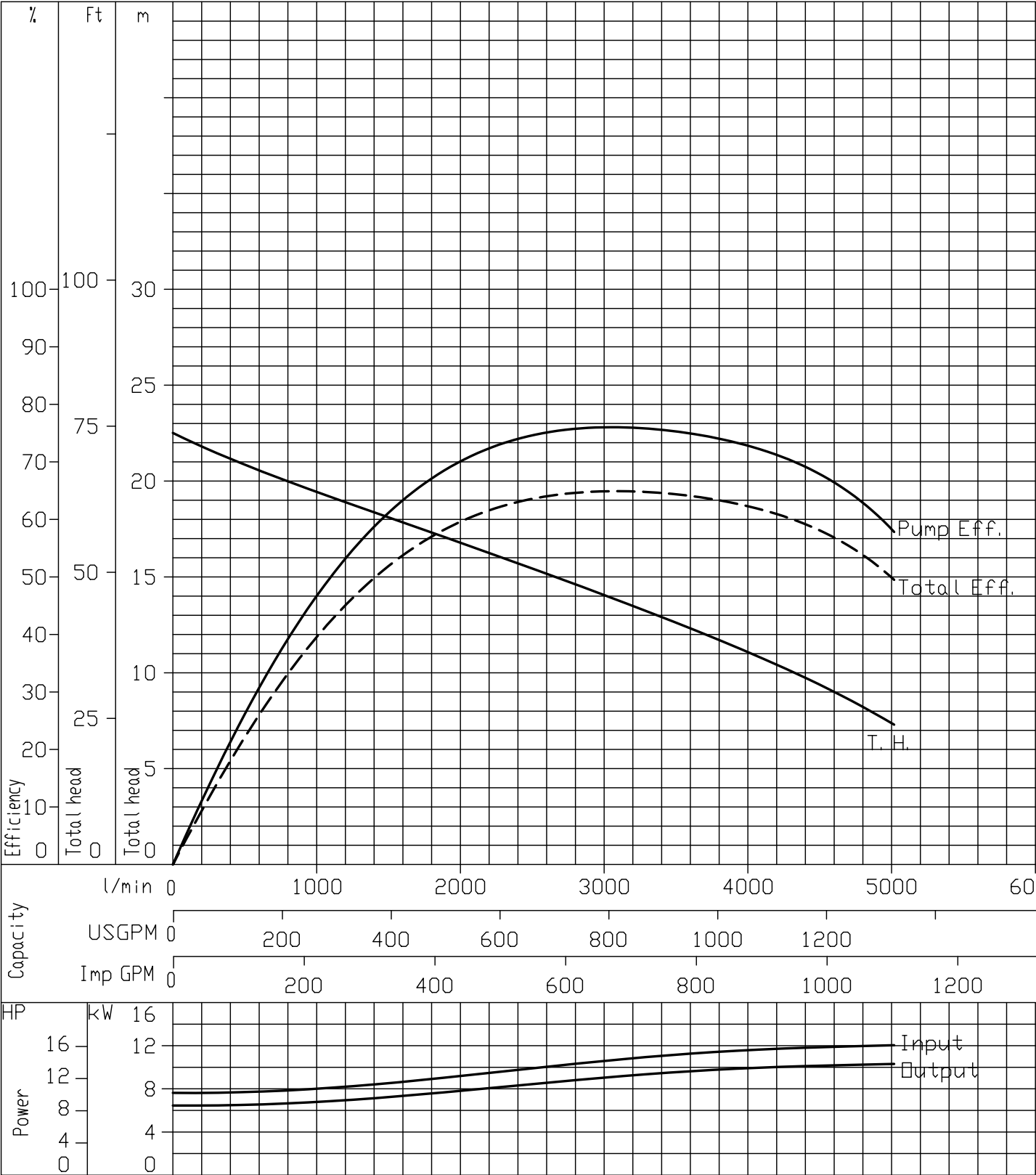


Performance Curve

4 Poles

50Hz

150DKE511_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

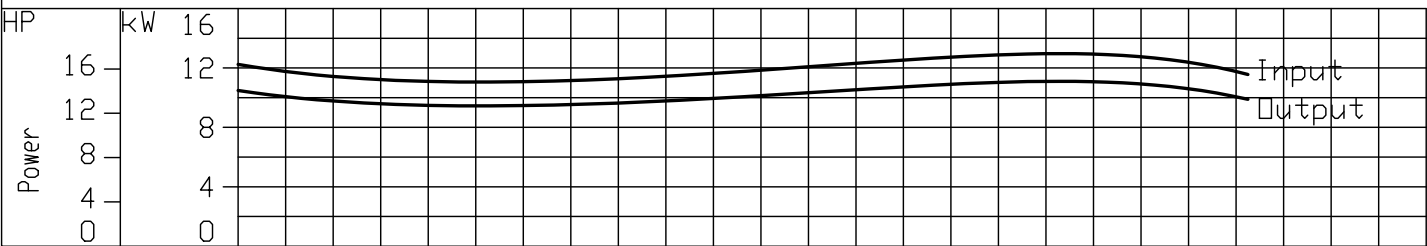
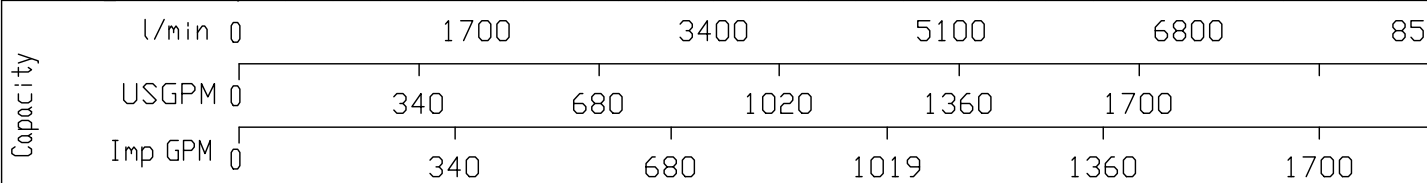
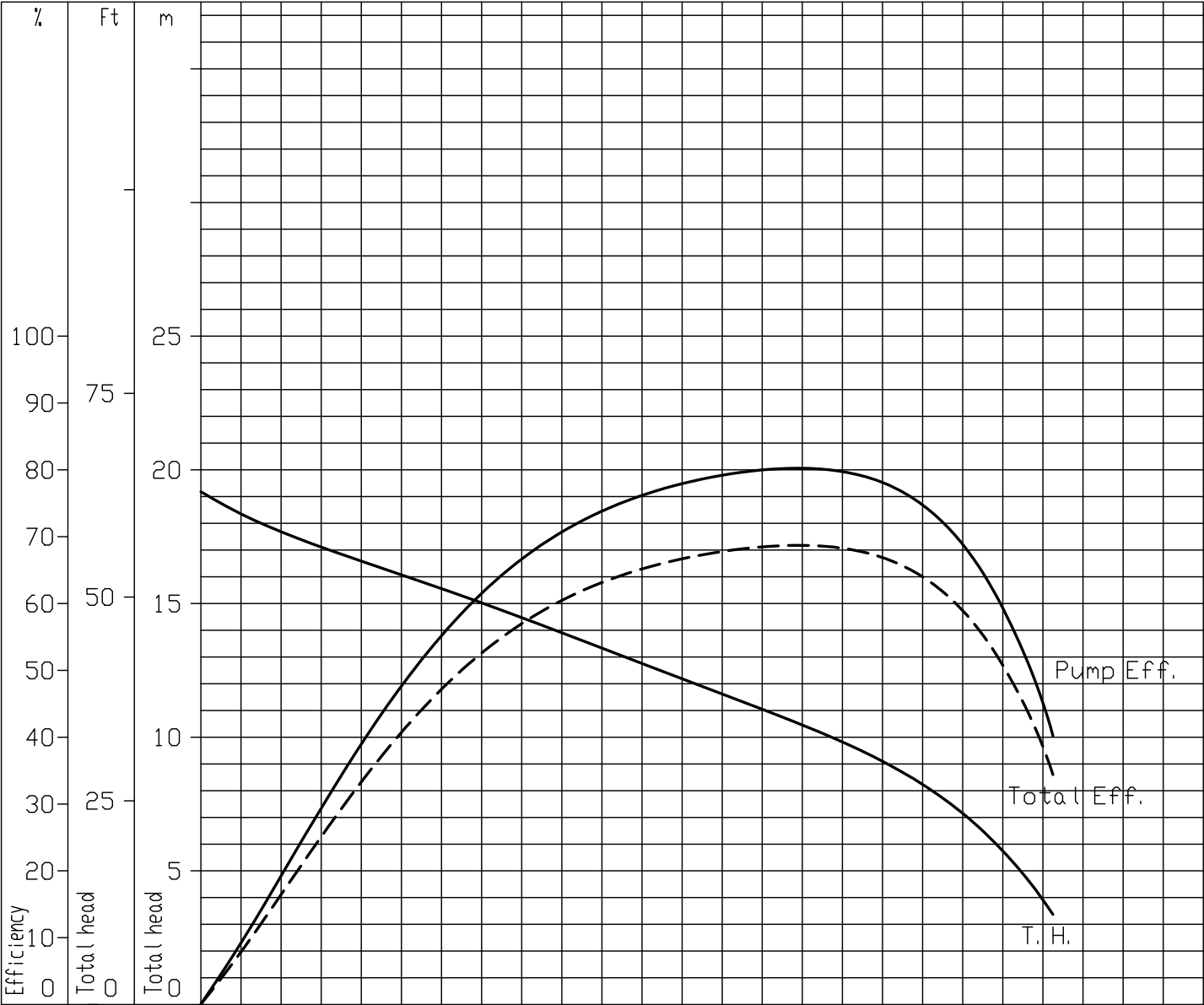


Performance Curve

4 Poles

50Hz

200DKE511_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

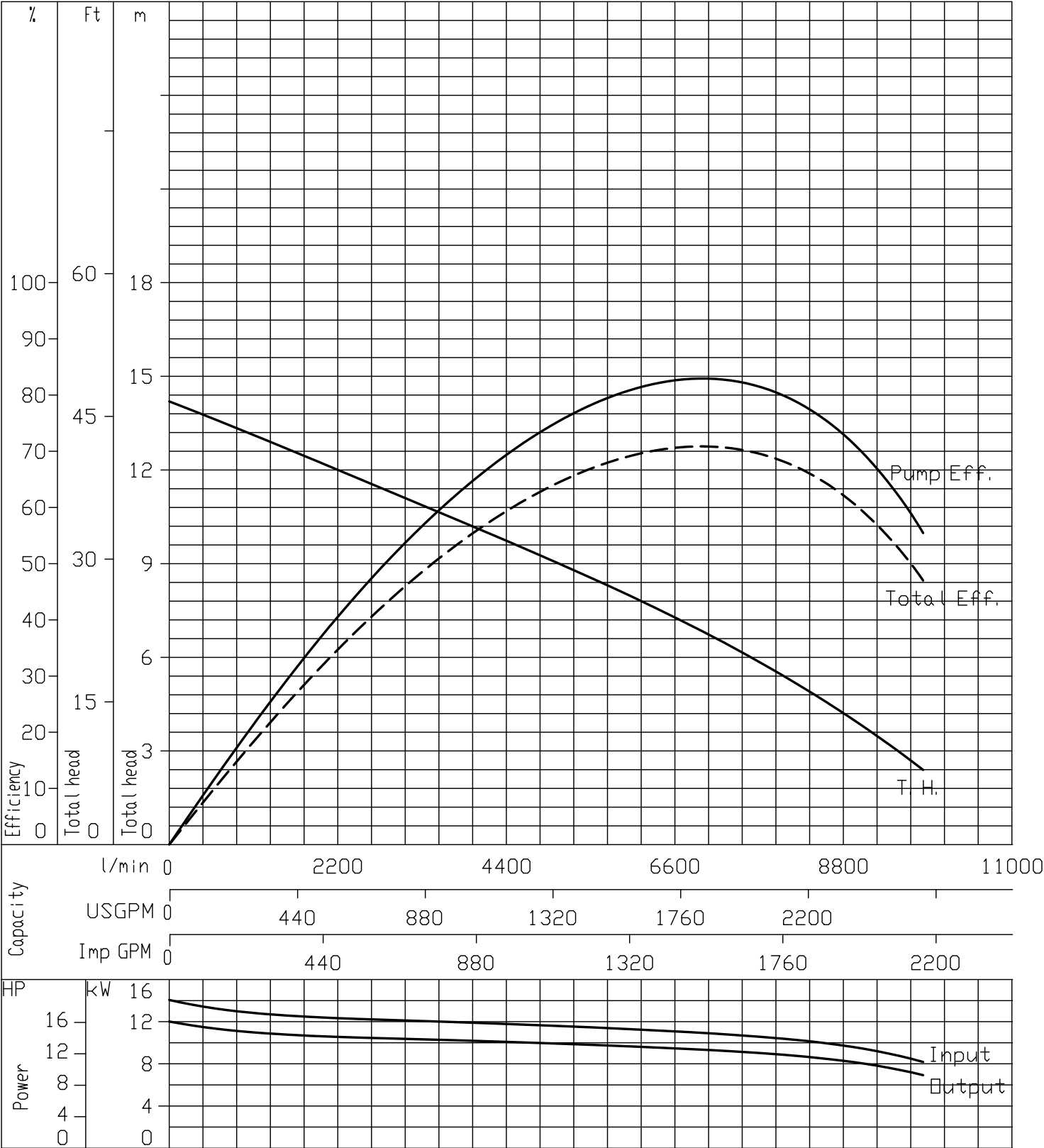


Performance Curve

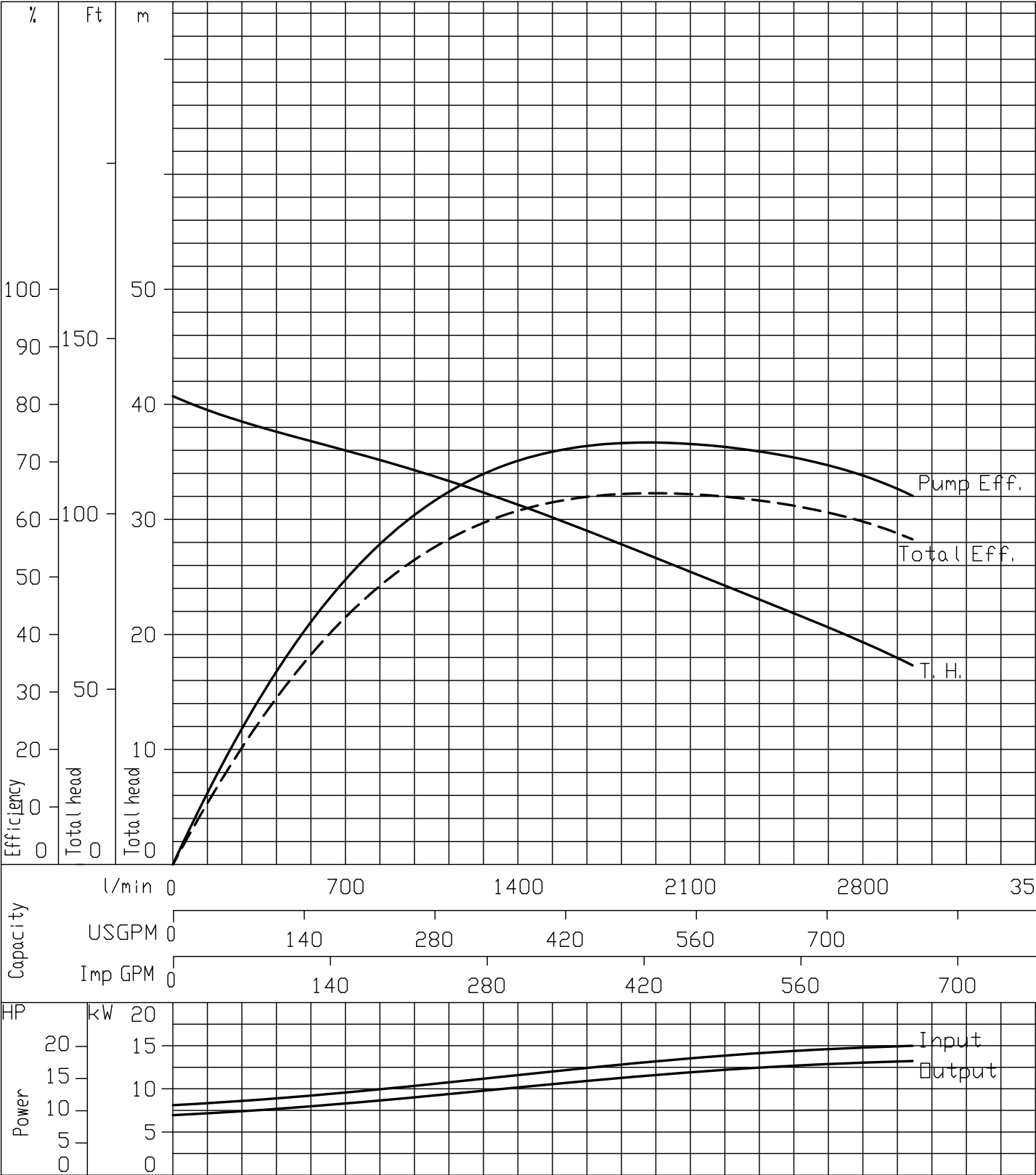
4 Poles

50Hz

250DKE511_IE3		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm ³ Viscosity=1mm ² /s



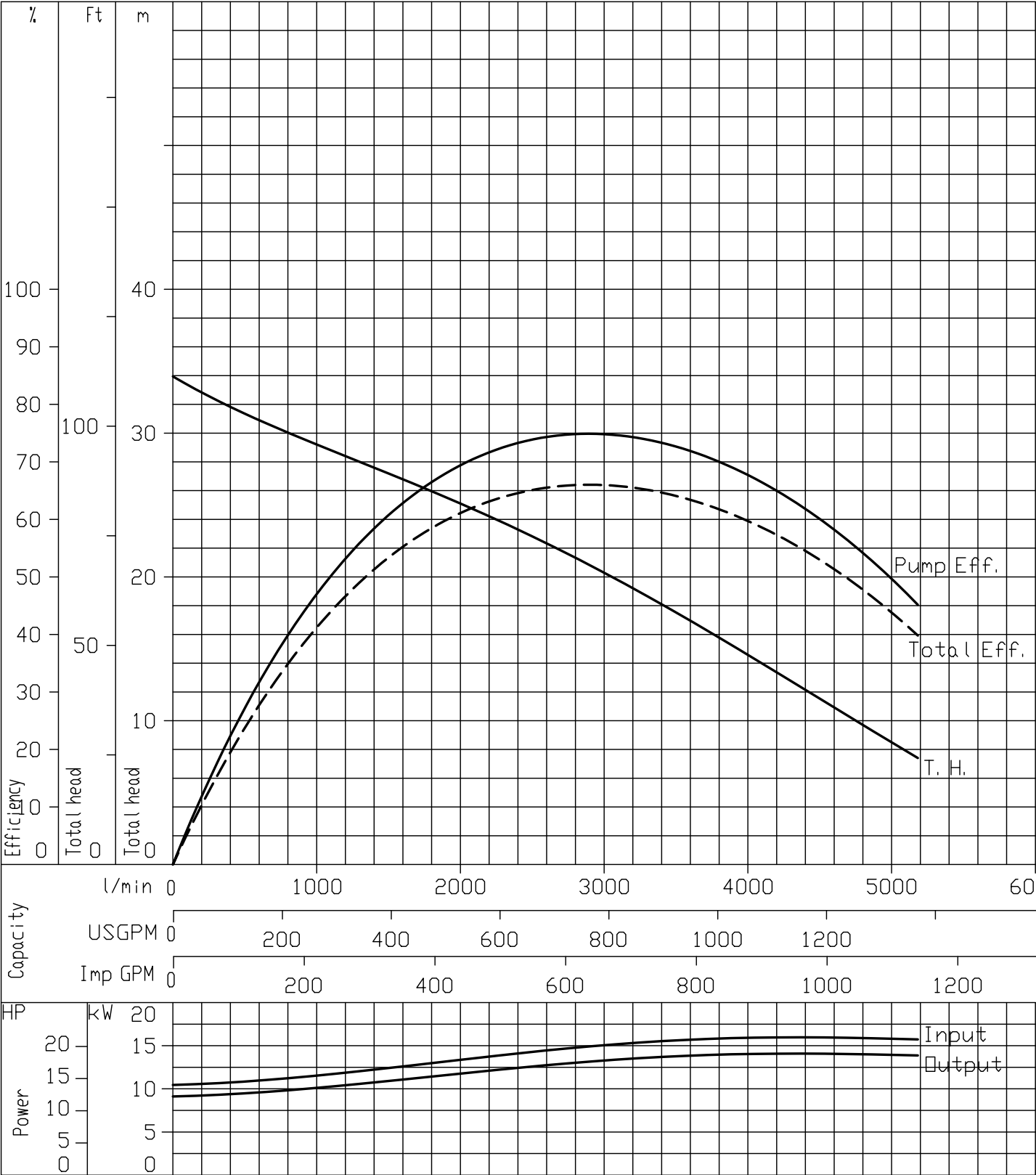
100DKEB515_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



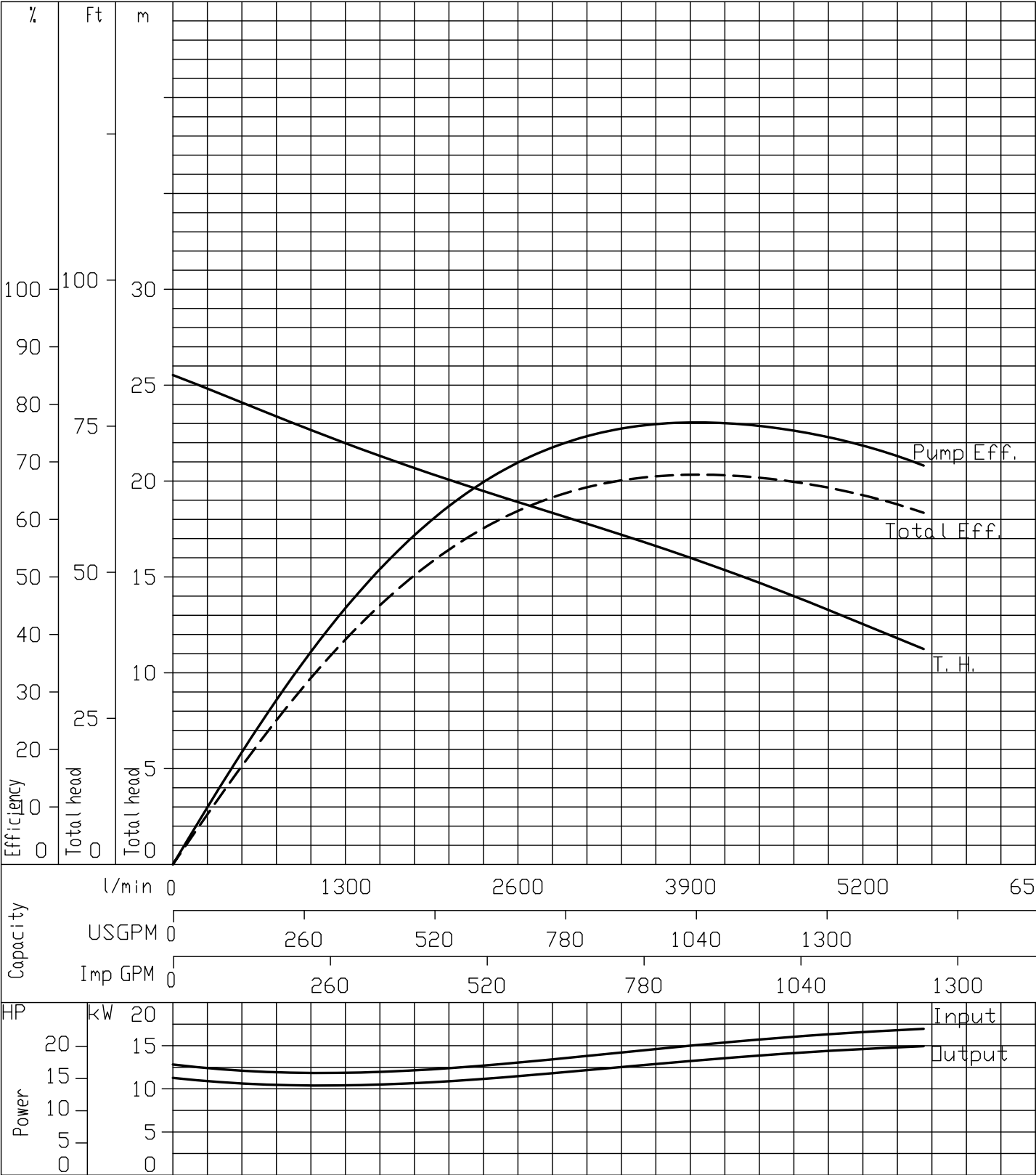
Performance Curve
4 Poles

50Hz

100DKE515_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



150DKE515_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

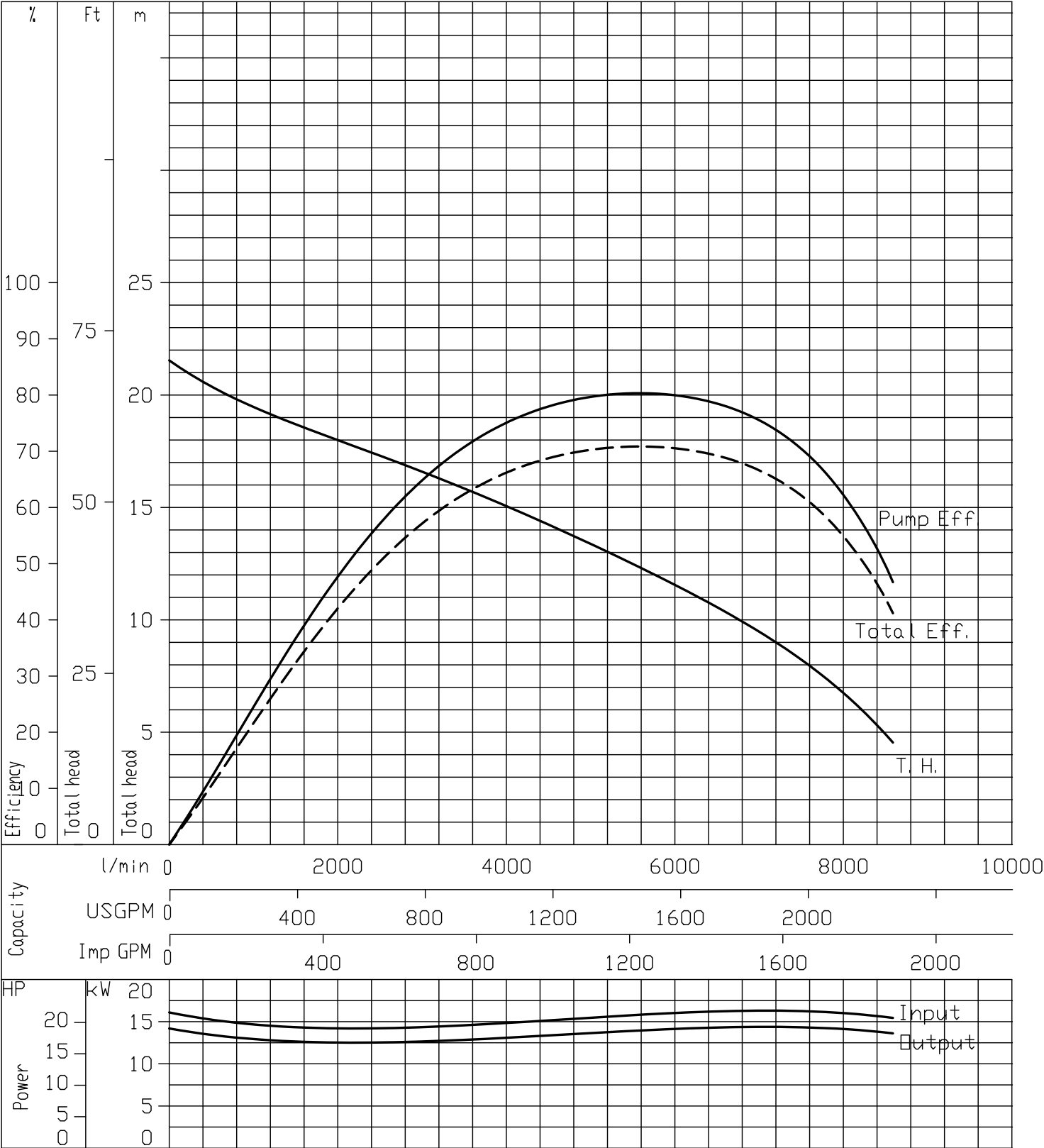


Performance Curve

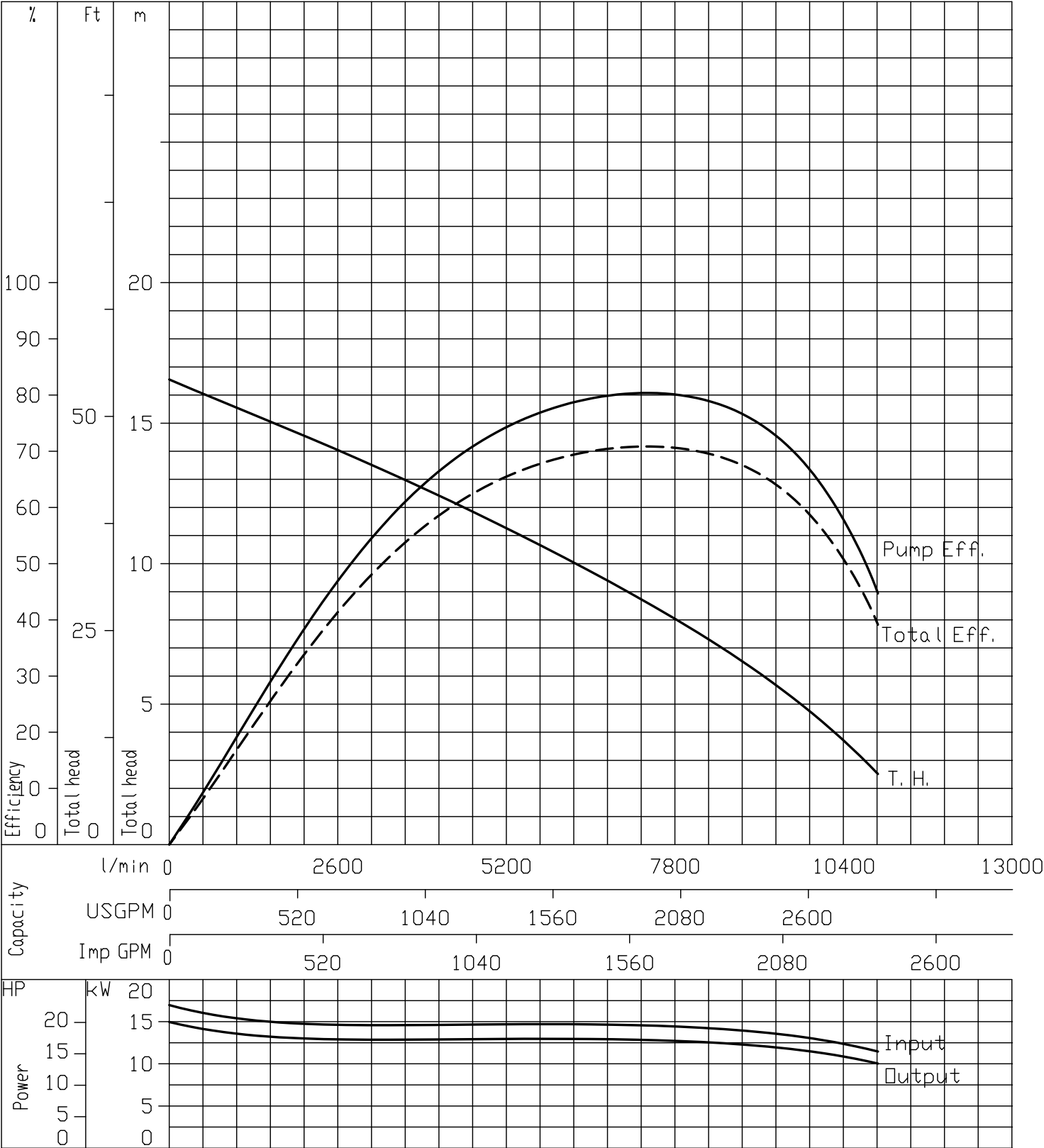
4 Poles

50Hz

200DKE515_IE3		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm3 Viscosity=1mm ² /s



250DKE515_IE3		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm3 Viscosity=1mm ² /s

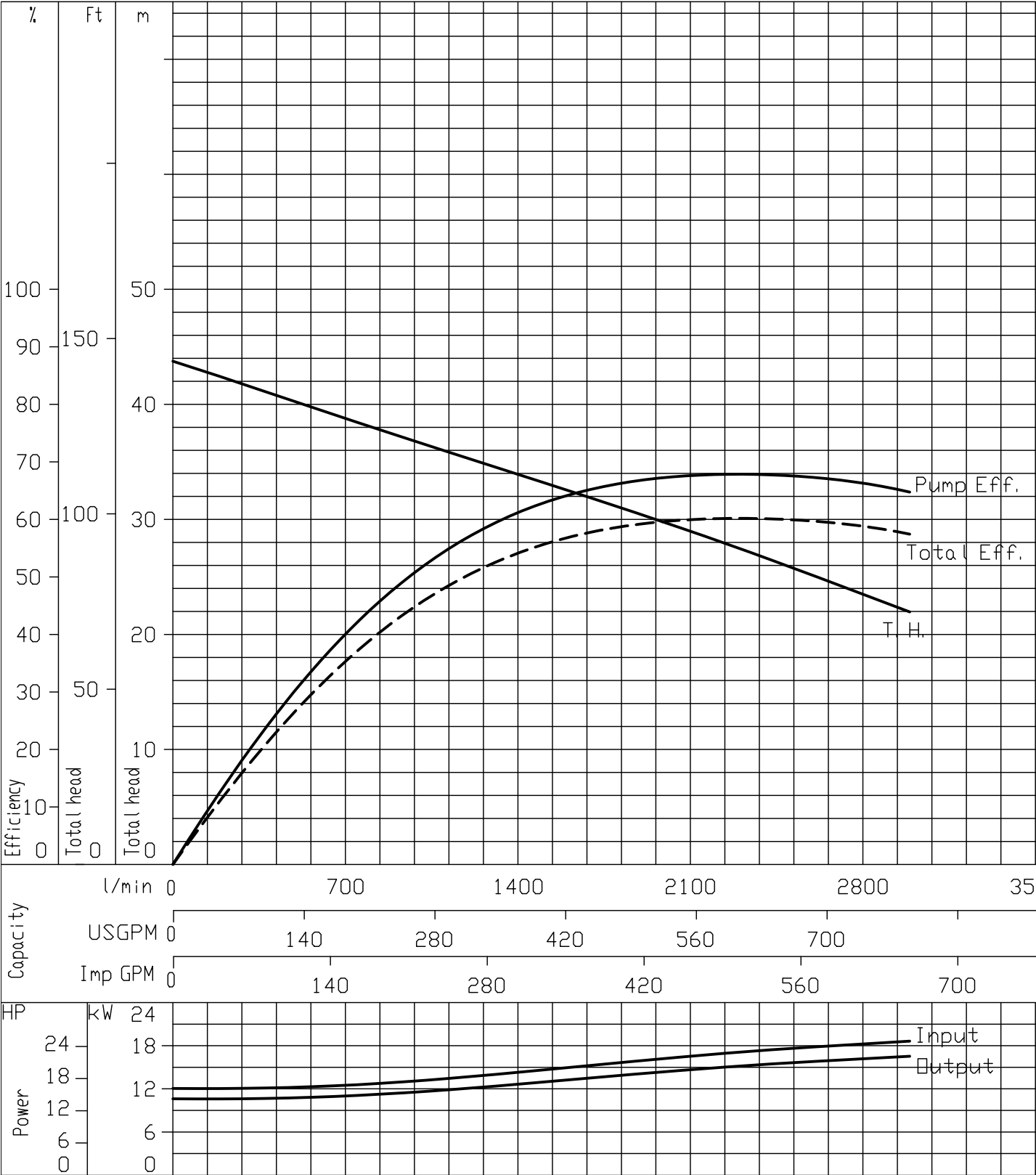


Performance Curve

4 Poles

50Hz

100DKEB518_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

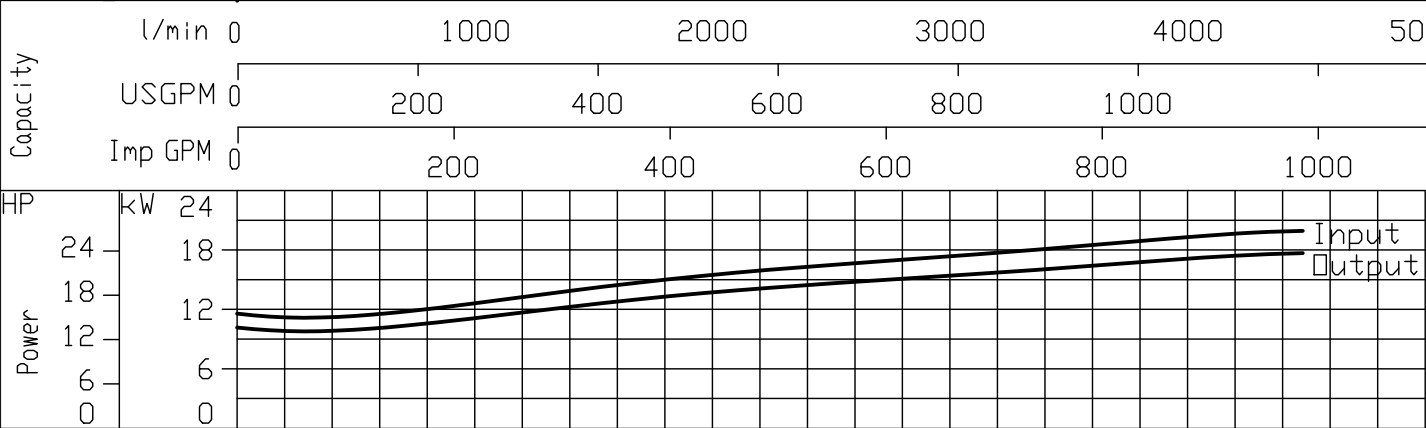
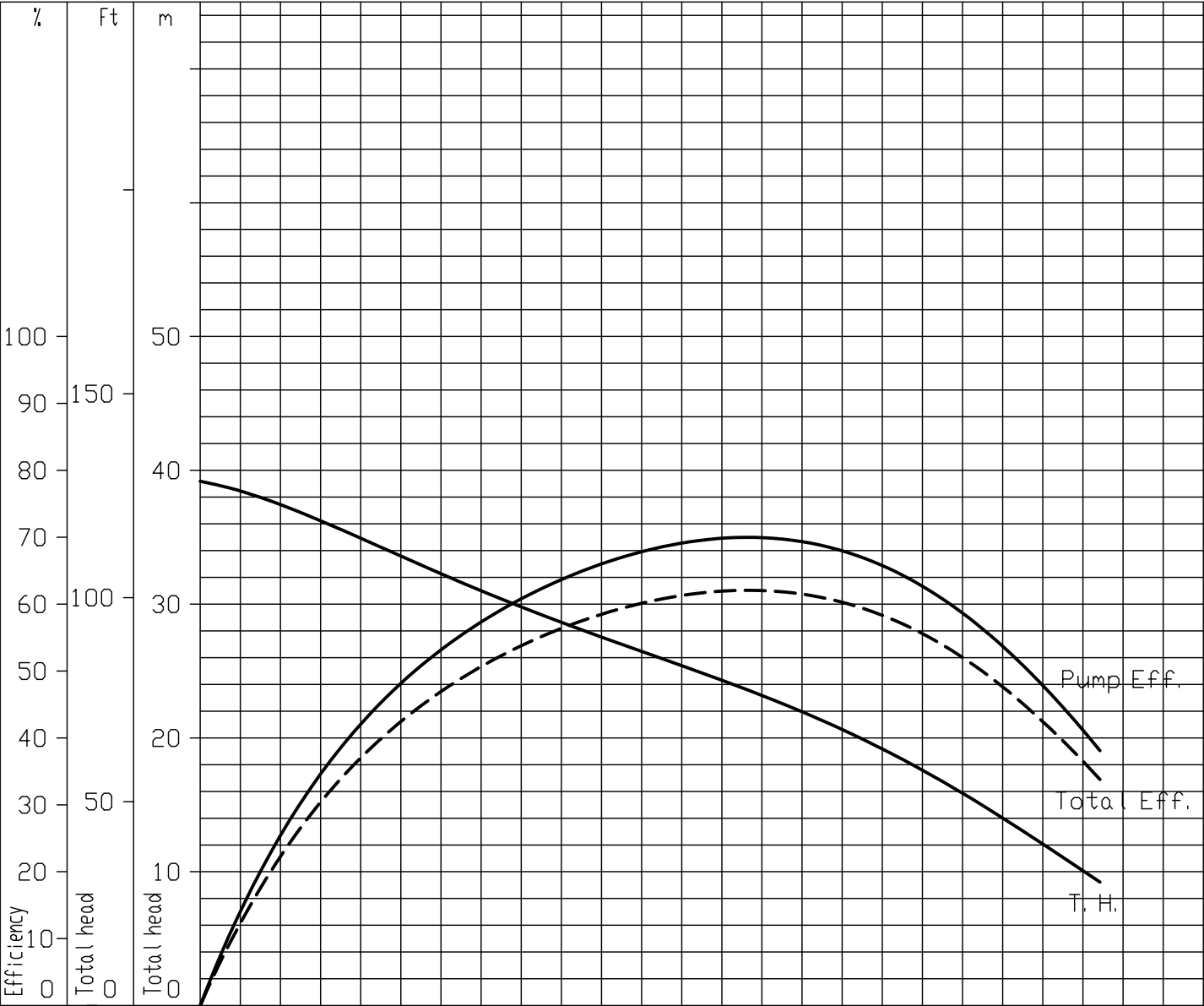


Performance Curve

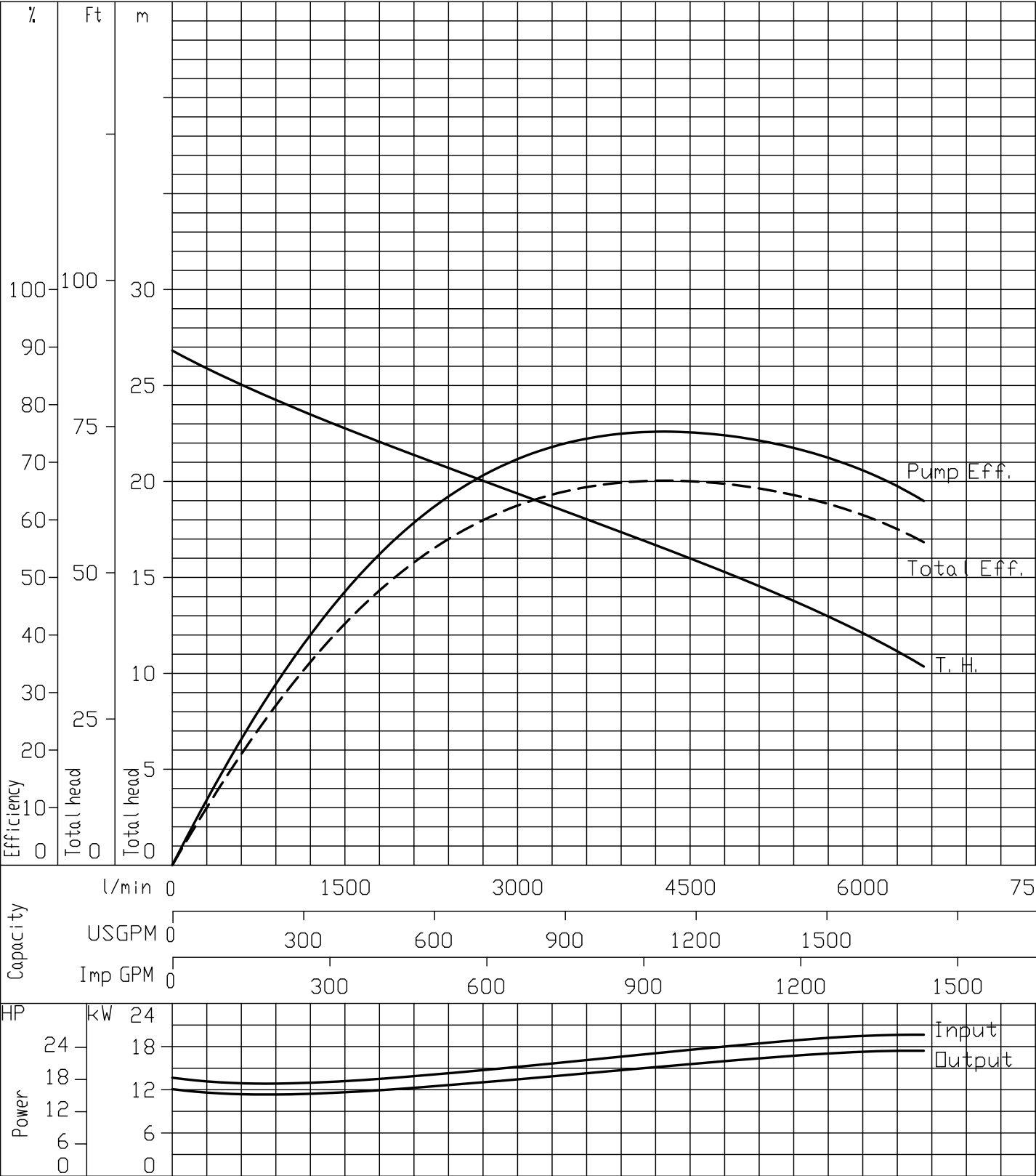
4 Poles

50Hz

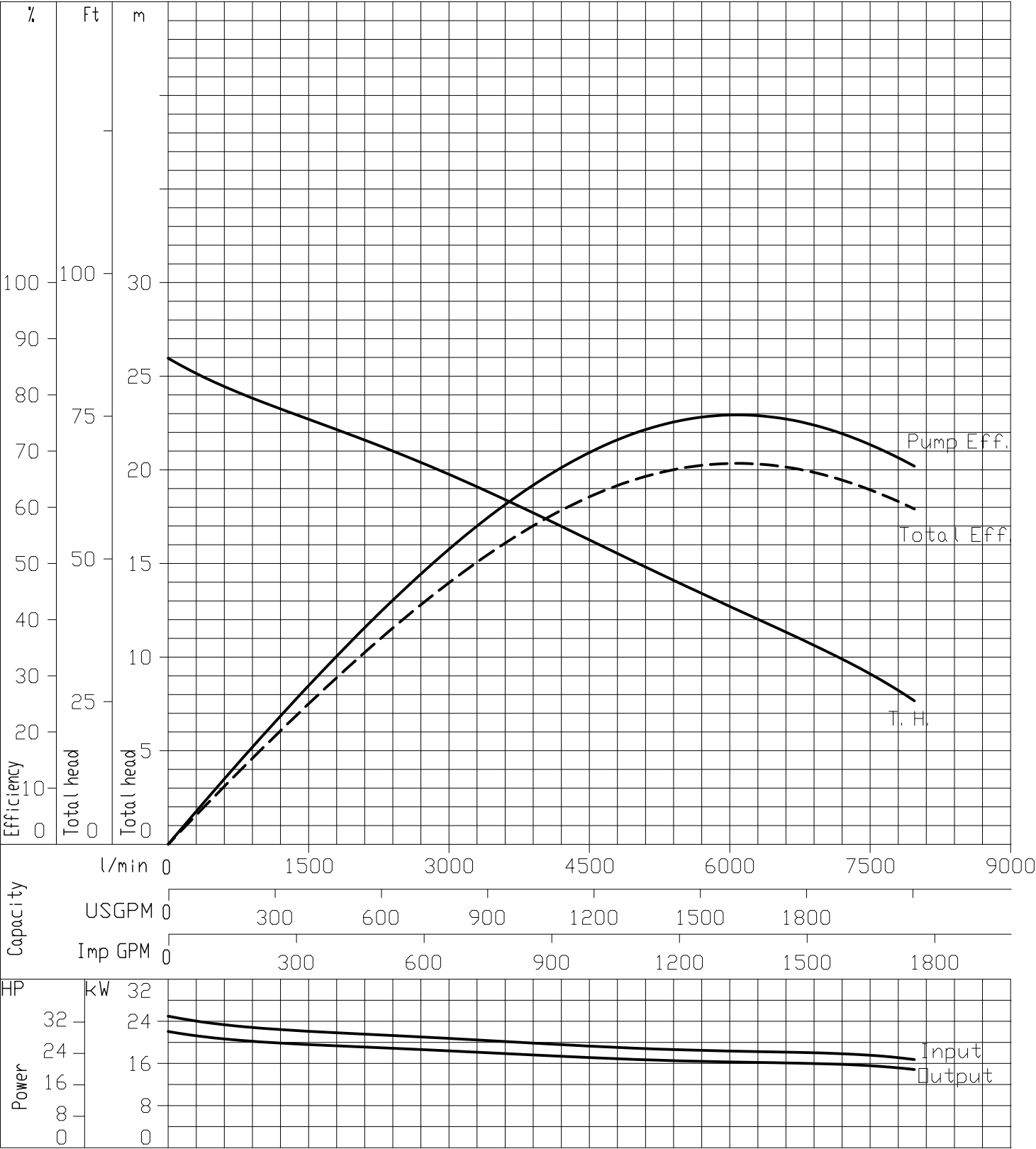
100DKE518_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



150DKE518_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s



200DKE518_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

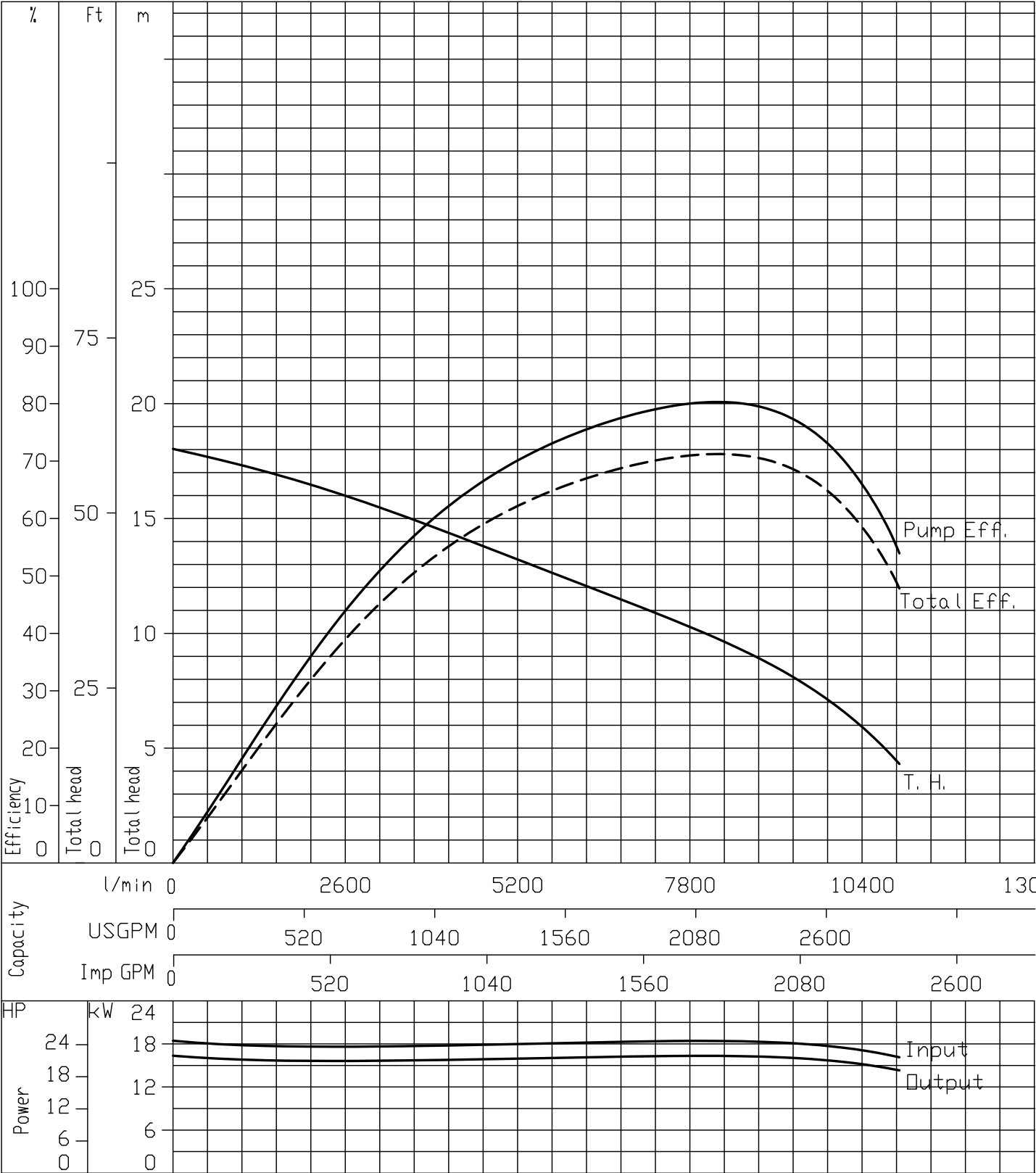


Performance Curve

4 Poles

50Hz

250DKE518_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

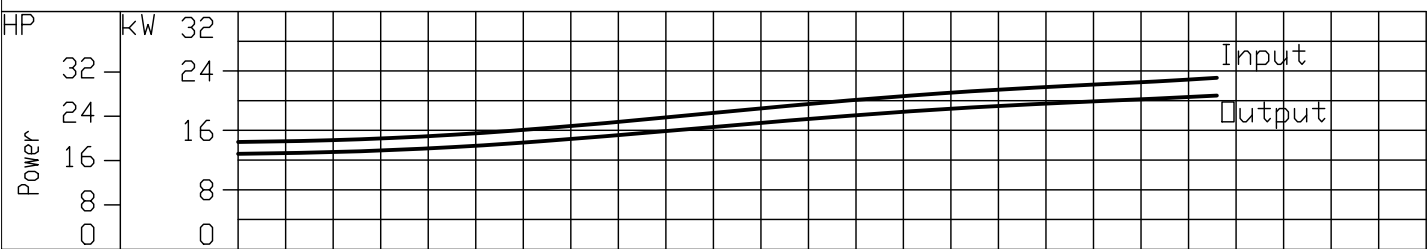
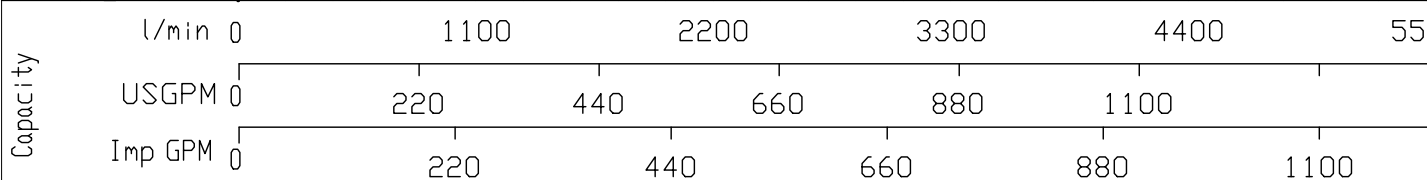
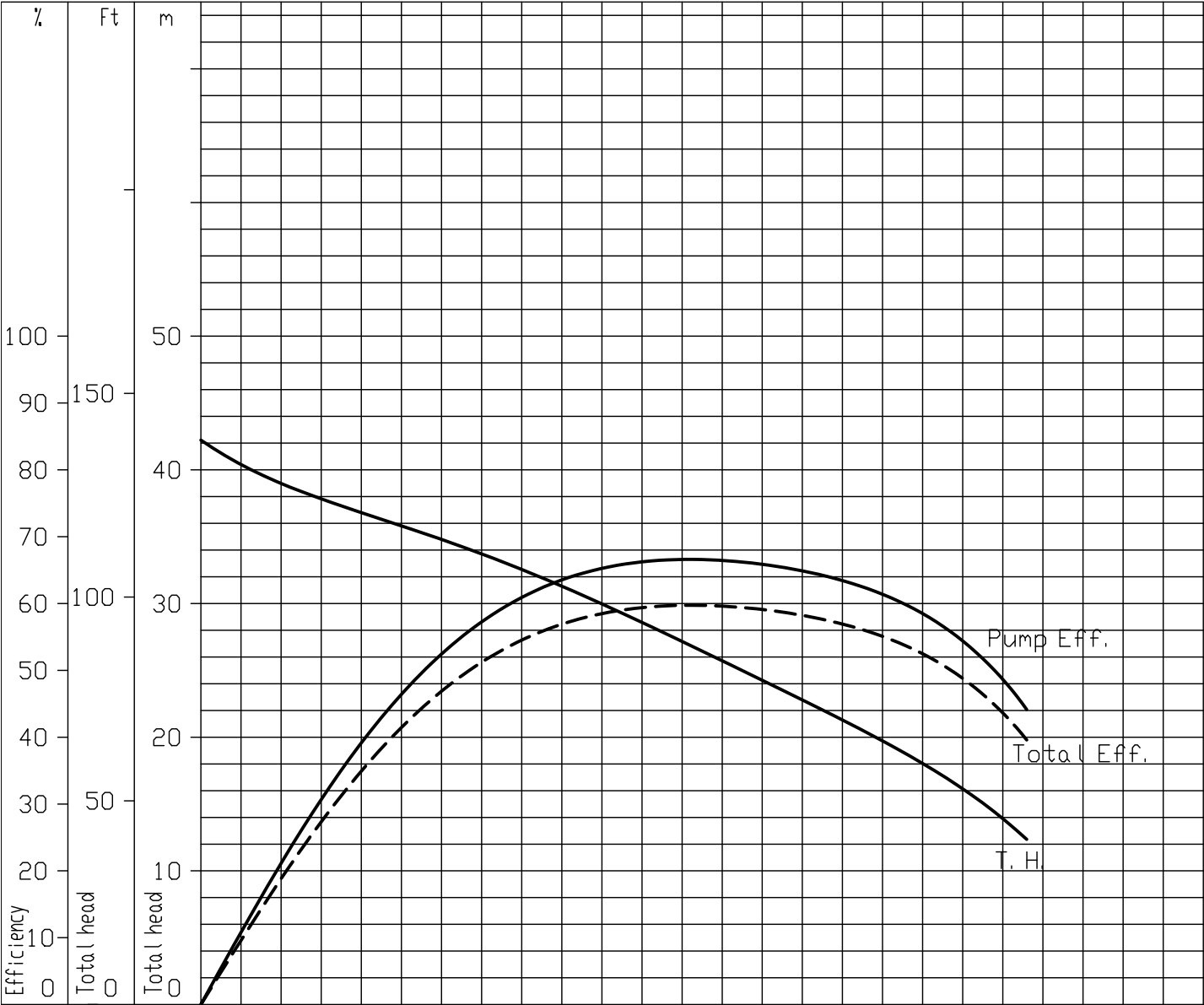


Performance Curve

4 Poles

50Hz

100DKE522_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

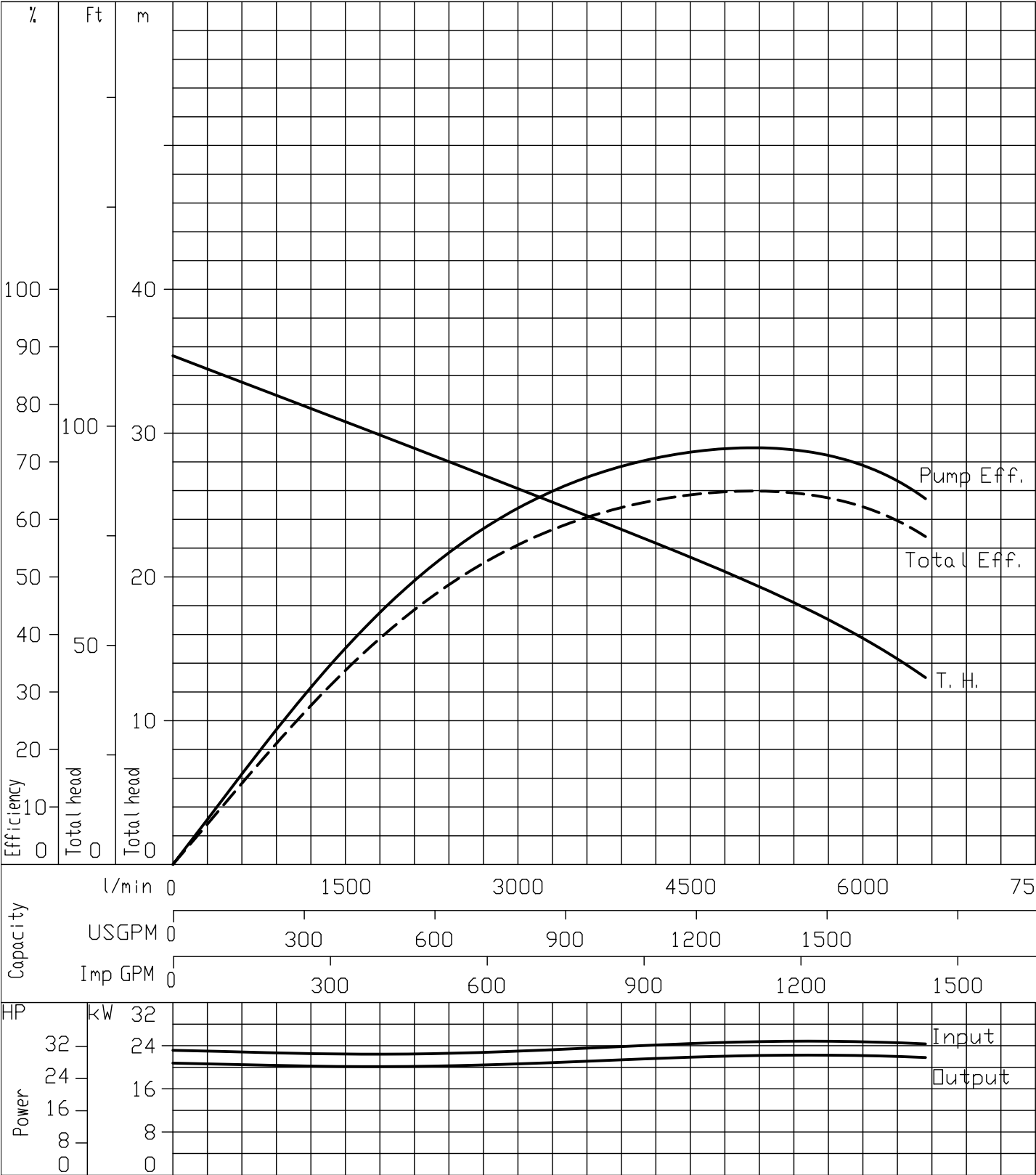


Performance Curve

4 Poles

50Hz

150DKE522_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

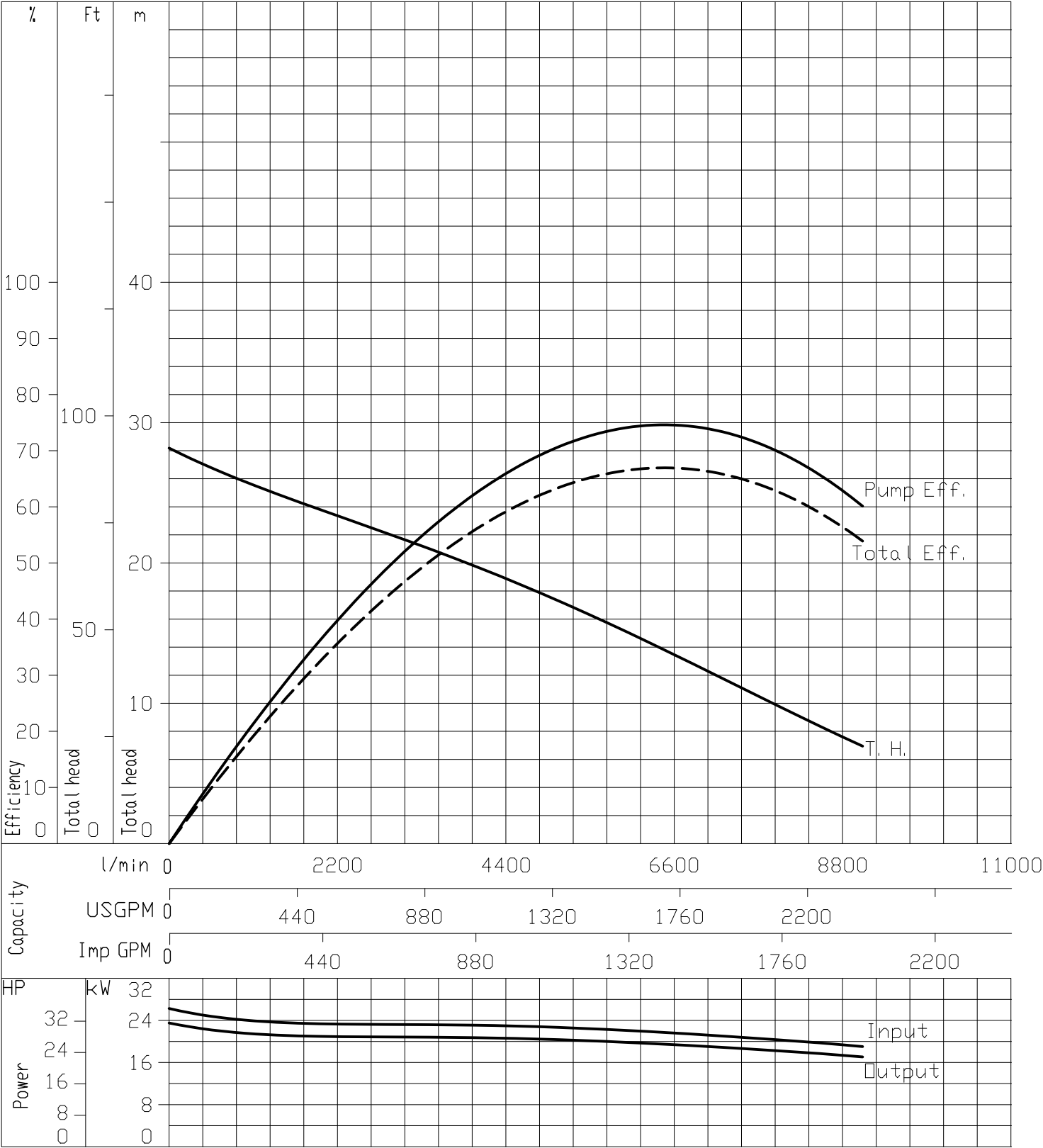


Performance Curve

4 Poles

50Hz

200DKE522_IE3		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm3 Viscosity=1mm ² /s

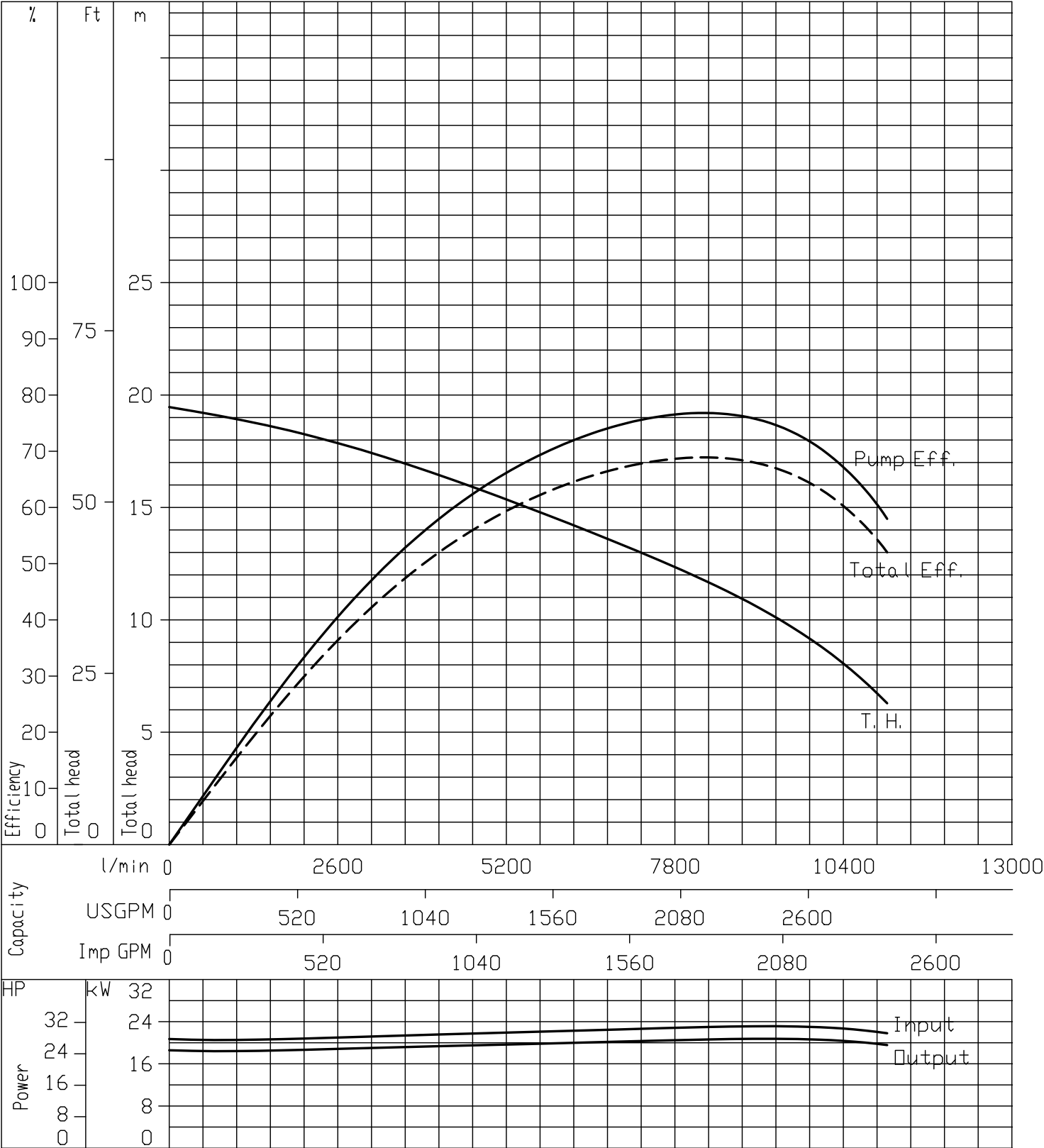


Performance Curve

4 Poles

50Hz

250DKE522_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

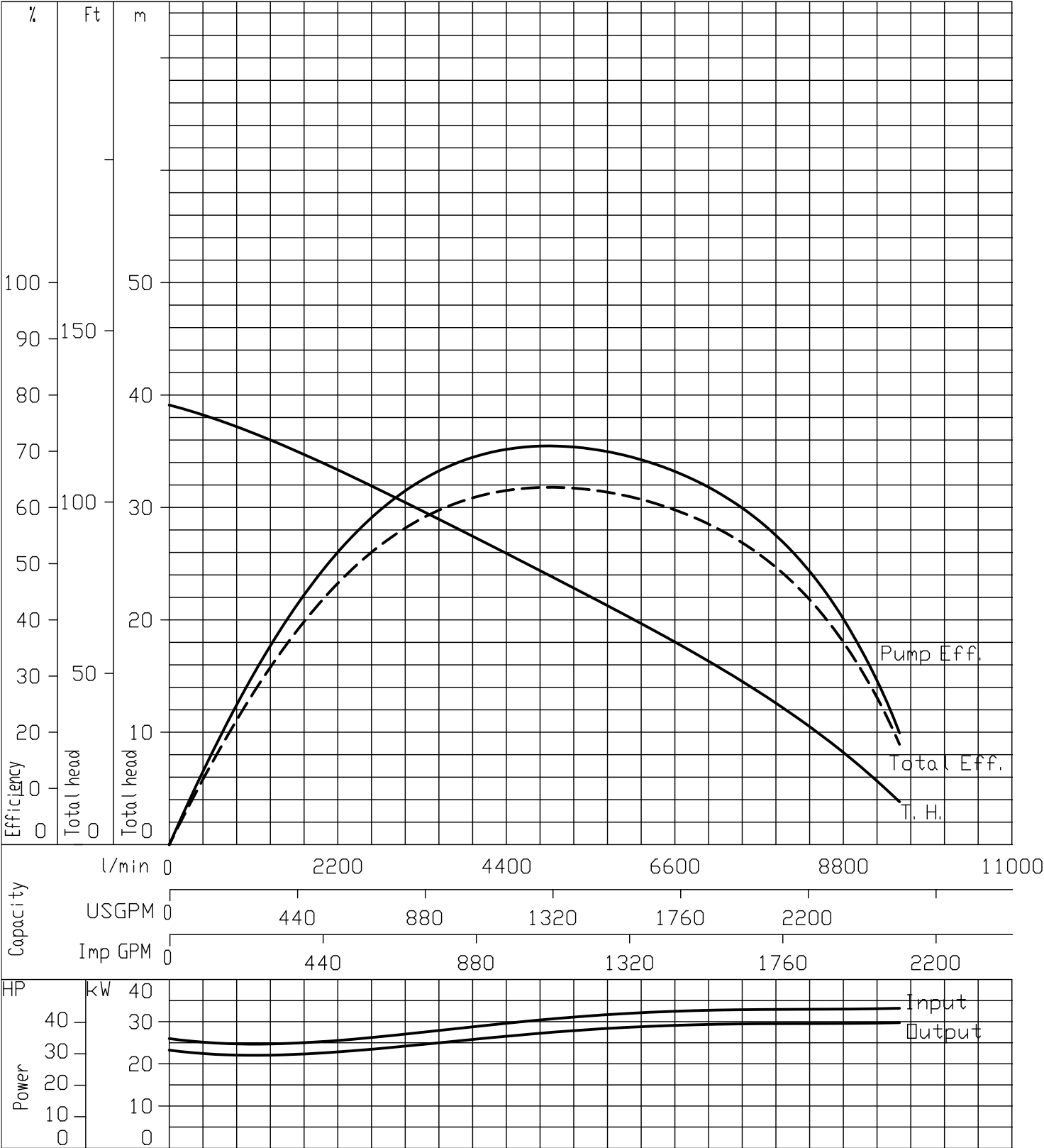


Performance Curve

4 Poles

50Hz

150DKE530_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

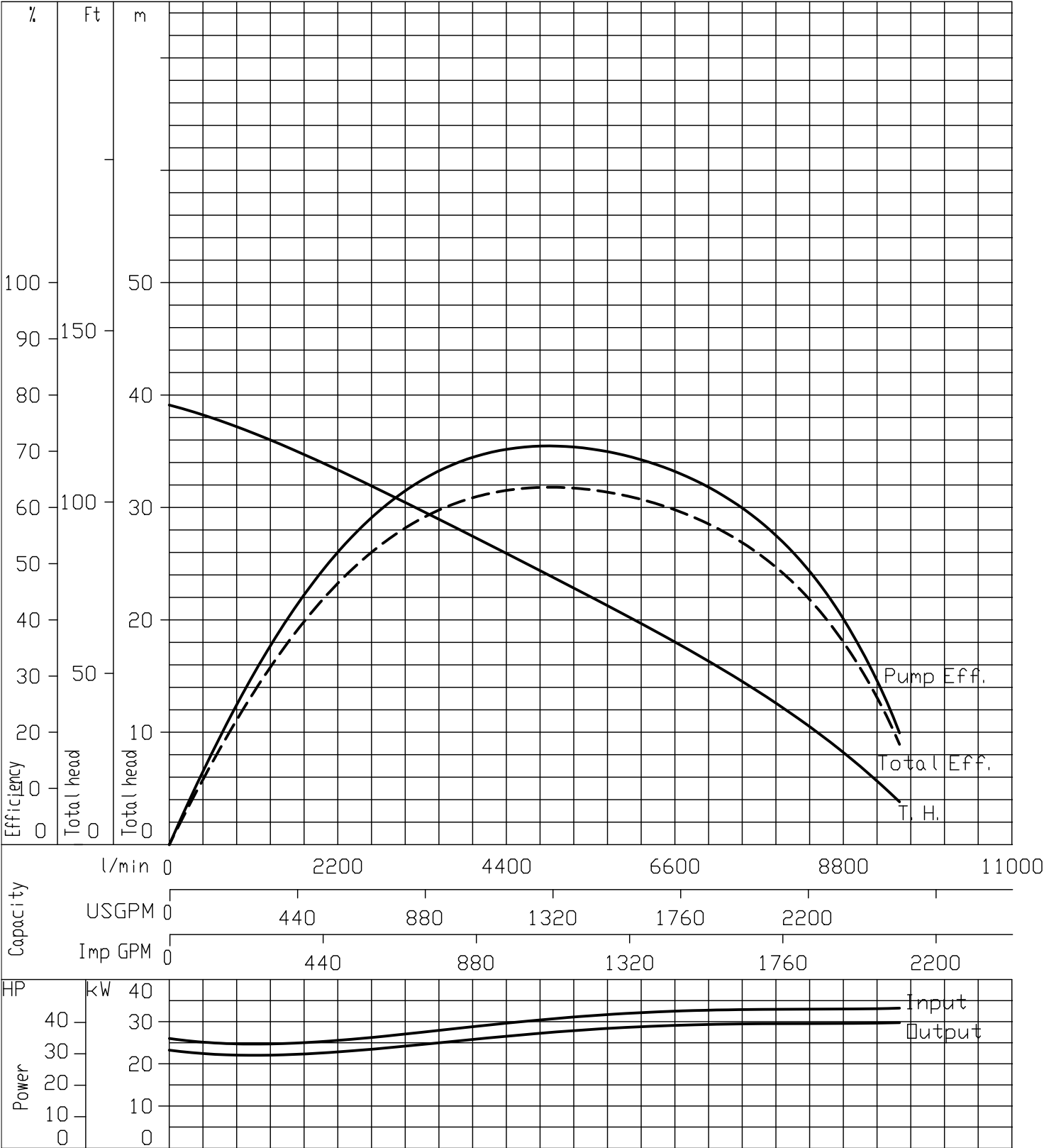


Performance Curve

4 Poles

50Hz

200DKE530_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

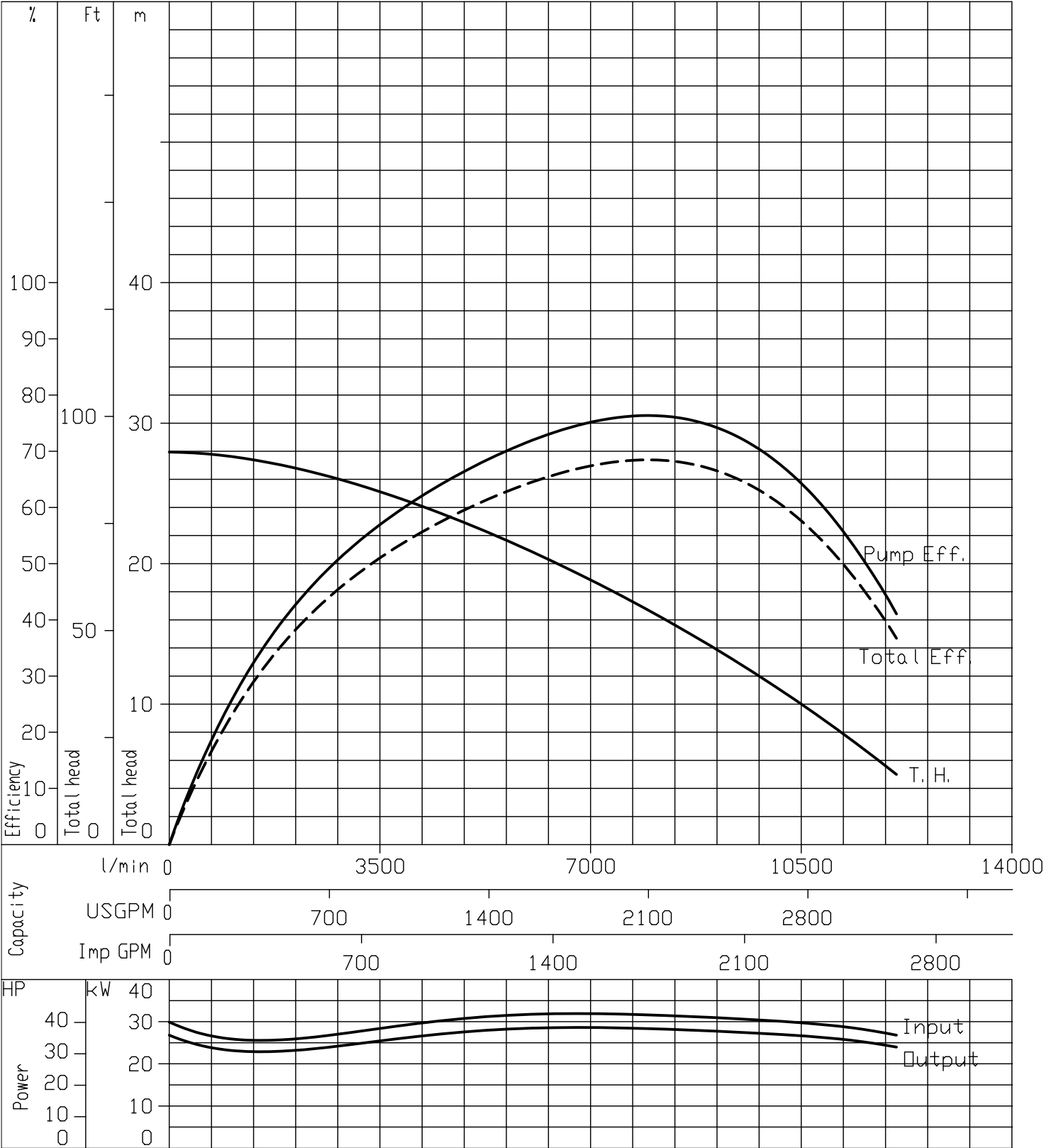


Performance Curve

4 Poles

50Hz

250DKE530_IE3		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm3 Viscosity=1mm ² /s

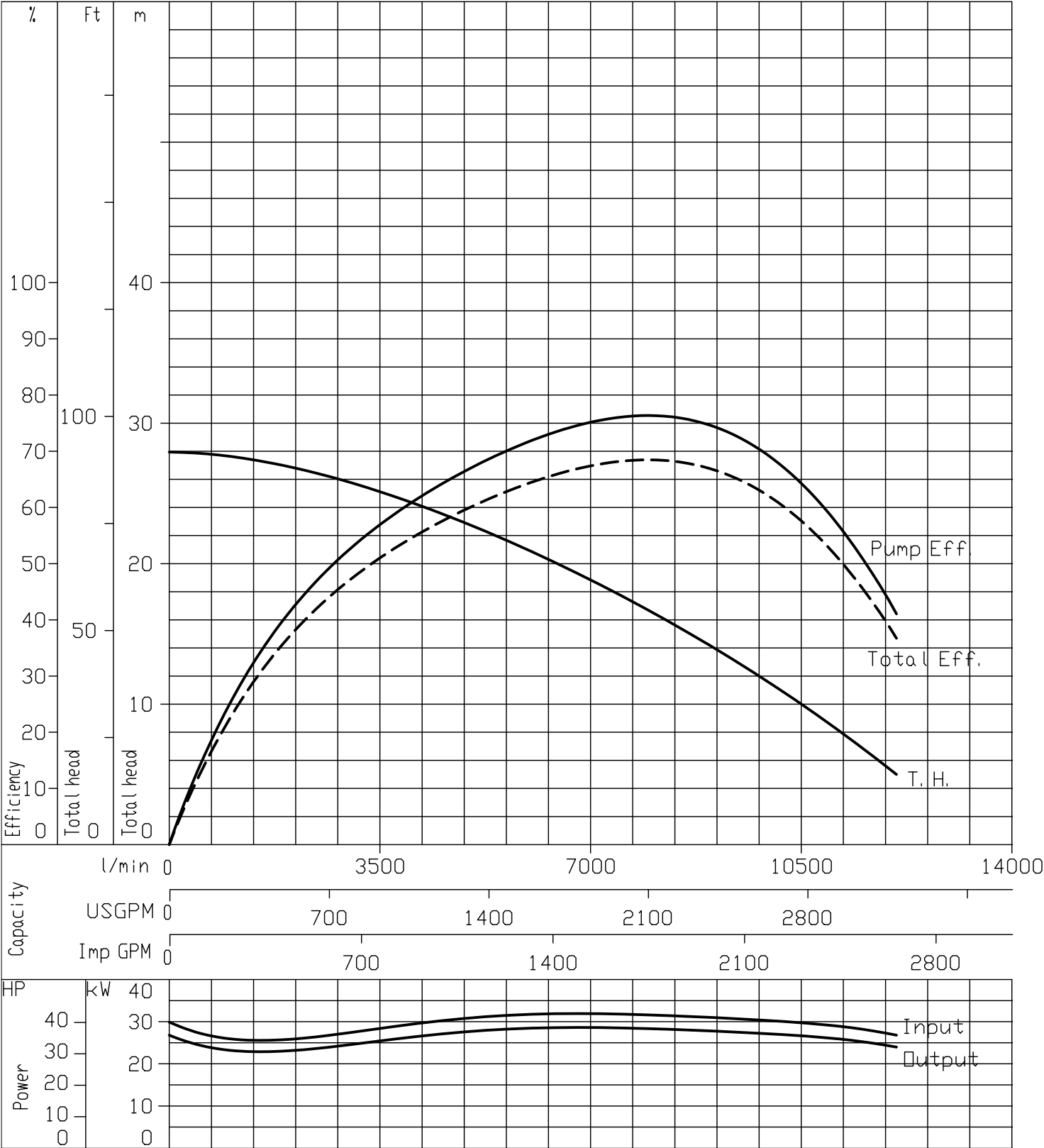


Performance Curve

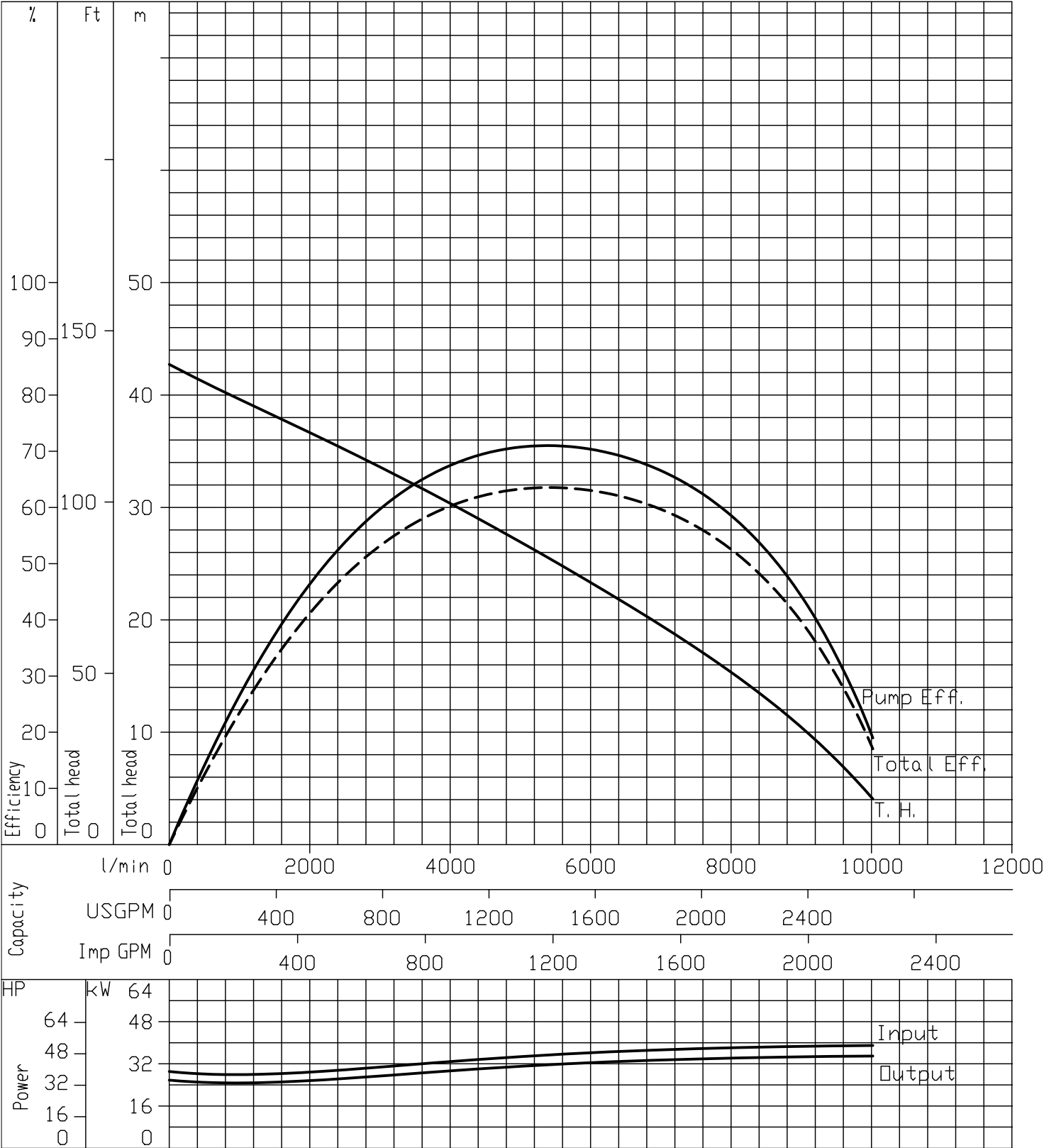
4 Poles

50Hz

300DKE530_IE3			According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)			Density=1kg/dm3 Viscosity=1mm ² /s



150DKE537_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

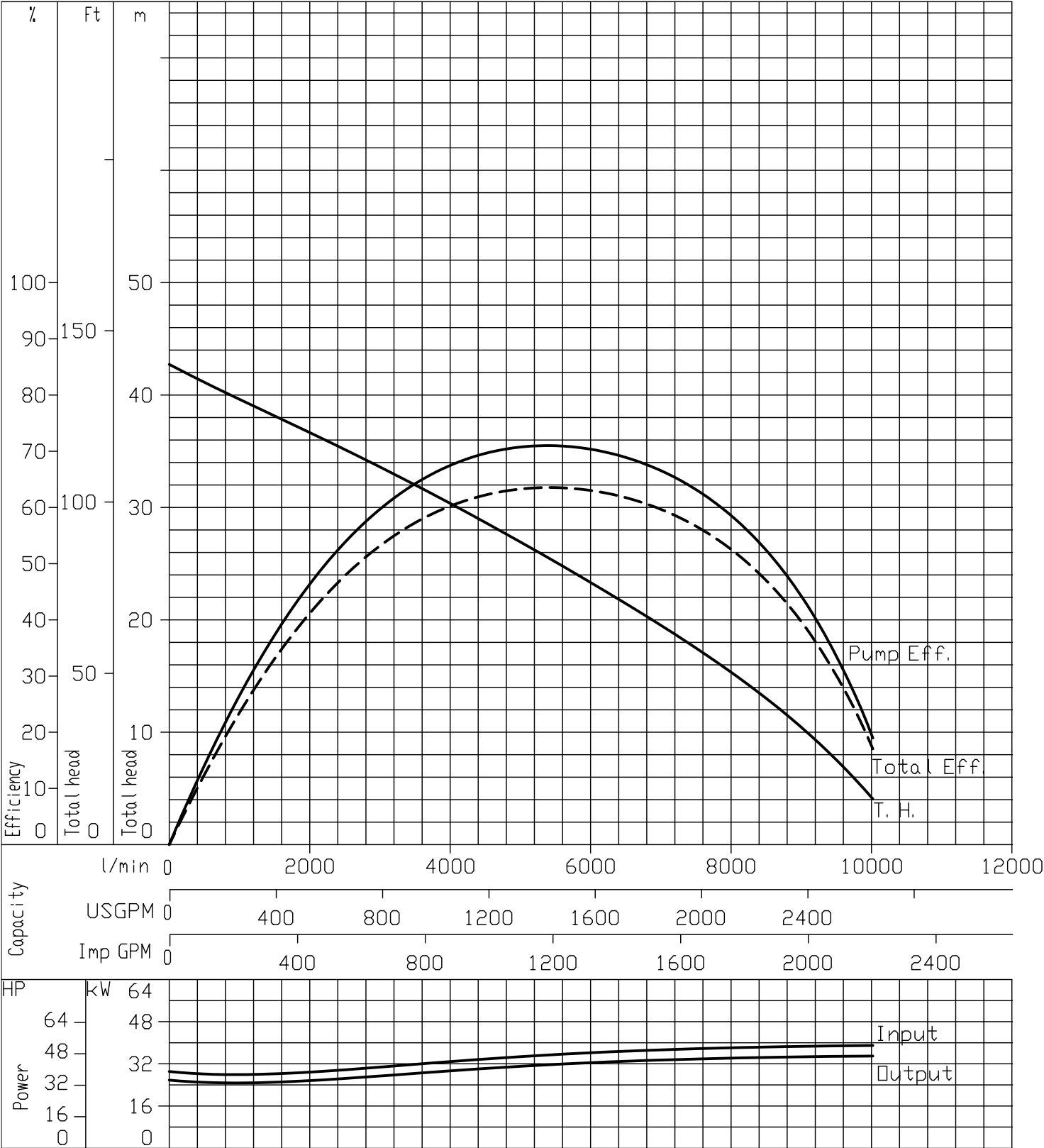


Performance Curve

4 Poles

50Hz

200DKE537_IE3		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm3 Viscosity=1mm ² /s

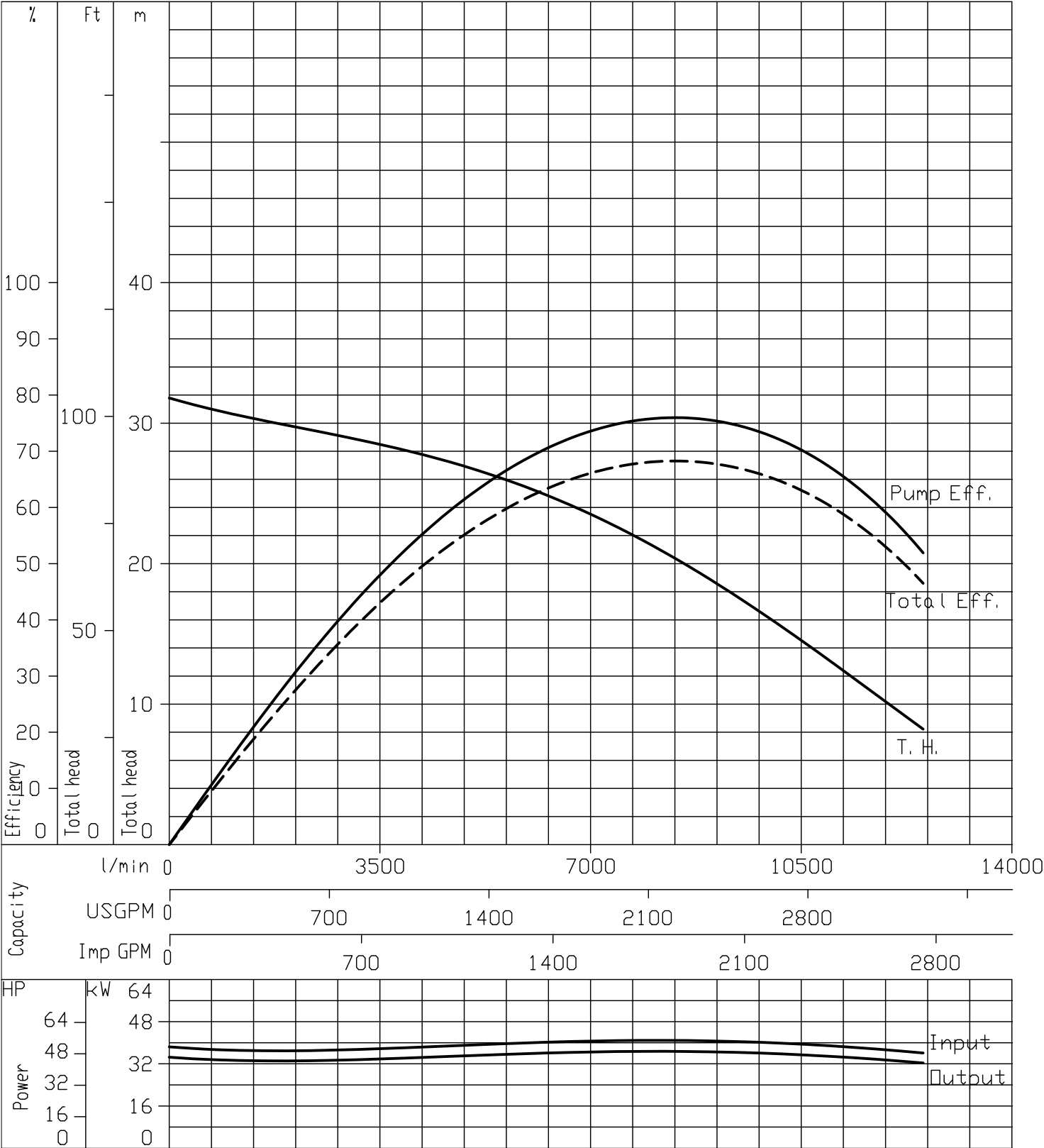


Performance Curve

4 Poles

50Hz

250DKE537_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

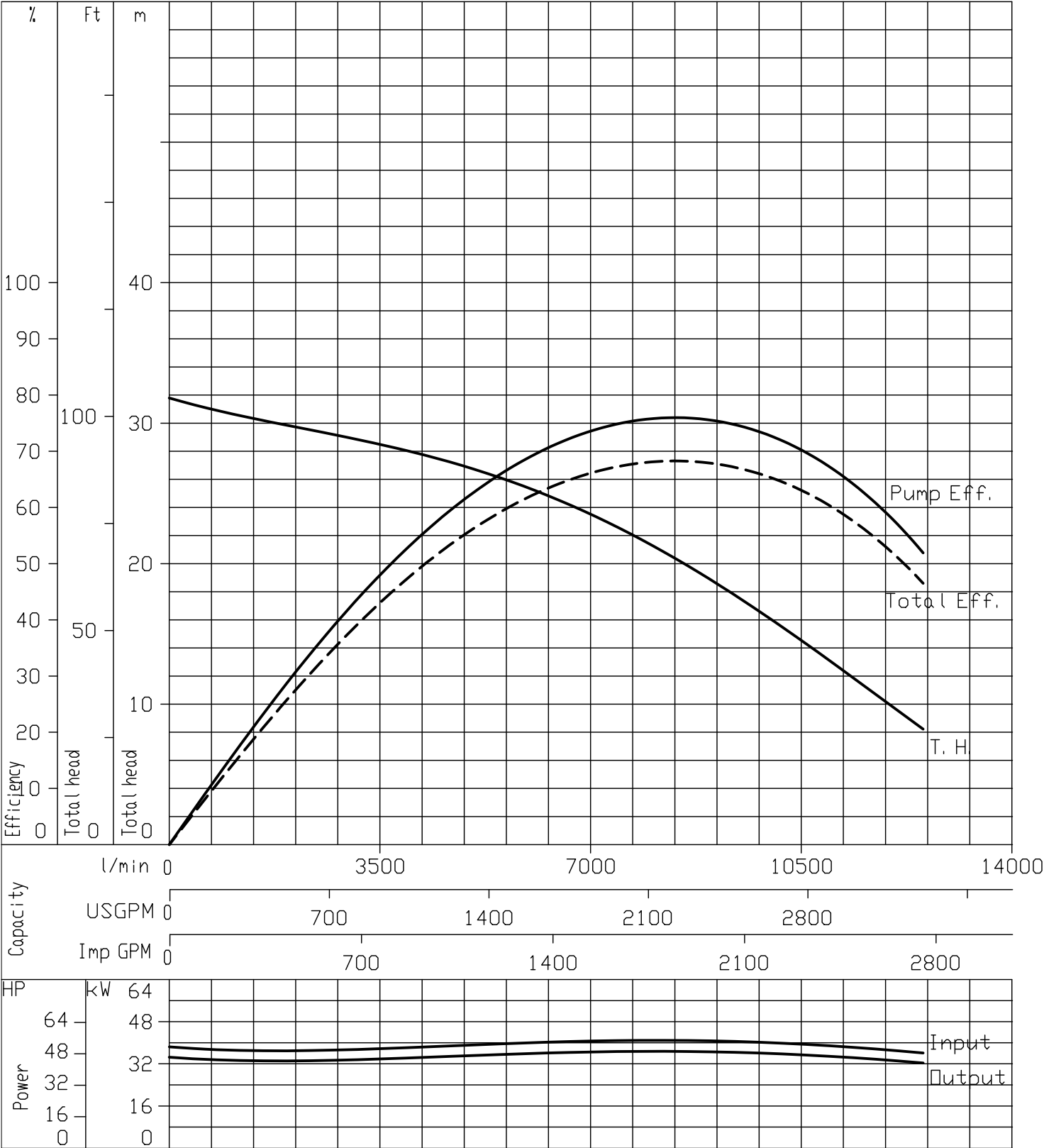


Performance Curve

4 Poles

50Hz

300DKE537_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm3 Viscosity=1mm ² /s

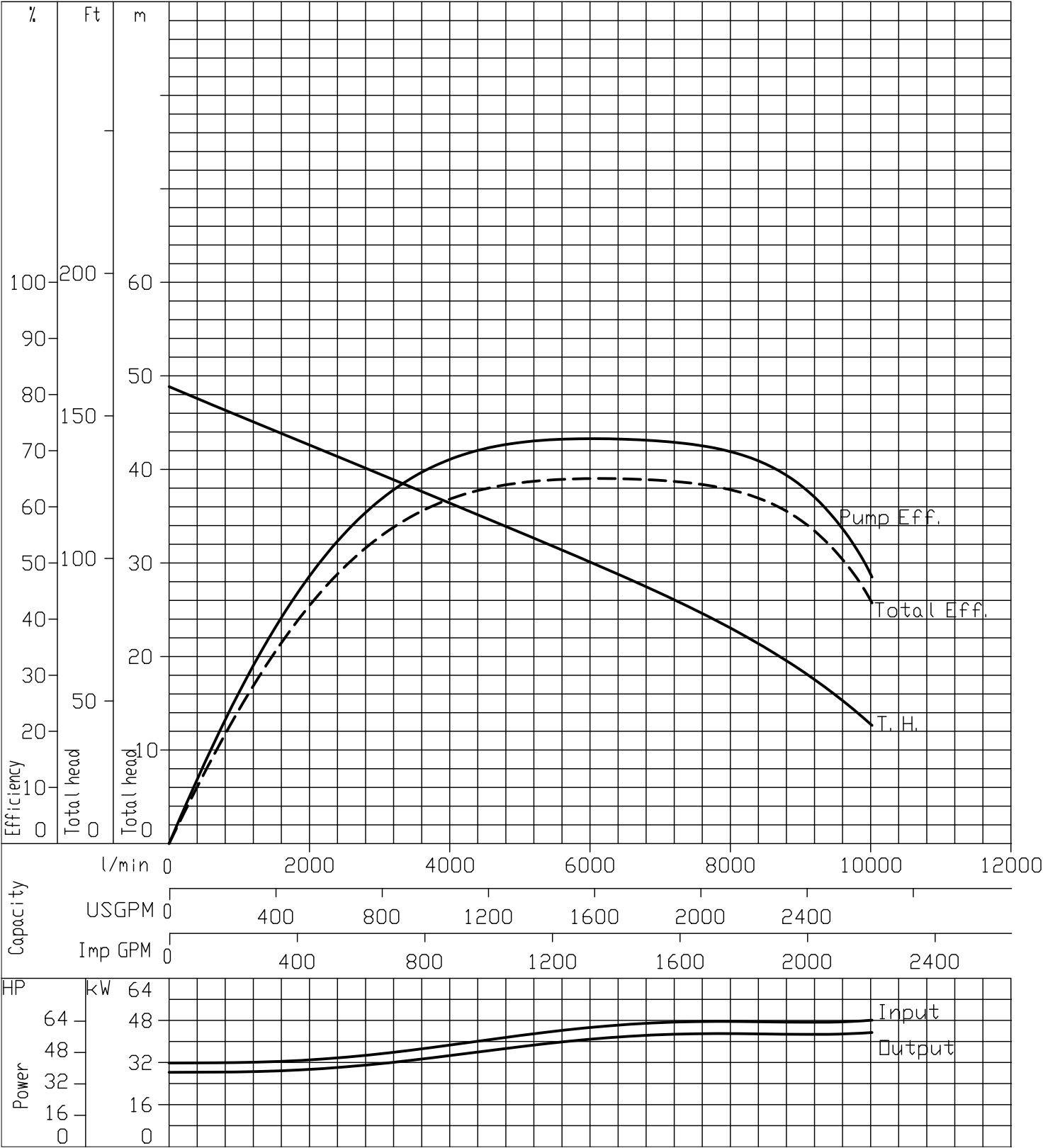


Performance Curve

4 Poles

50Hz

150DKE545_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

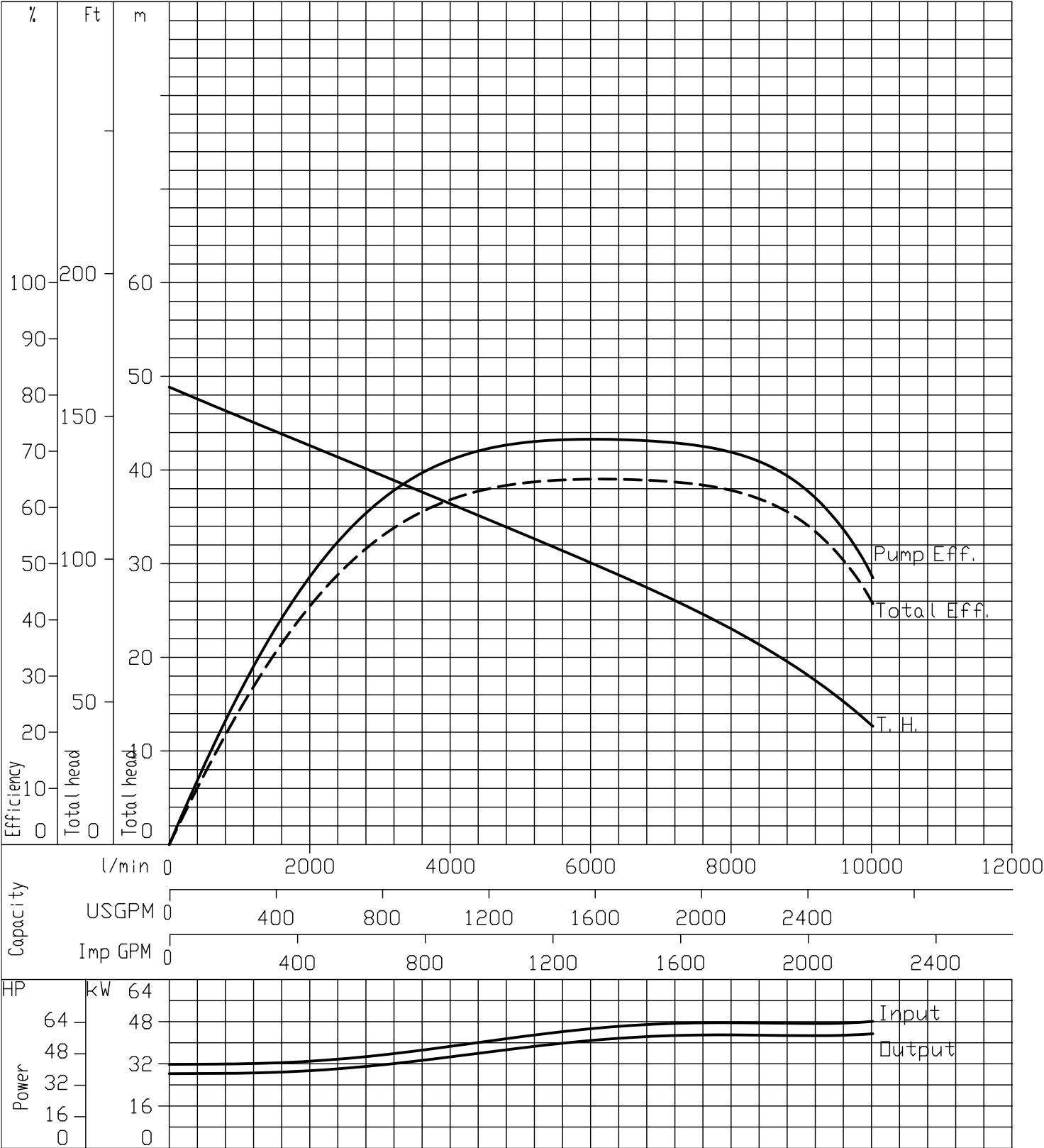


Performance Curve

4 Poles

50Hz

200DKE545_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

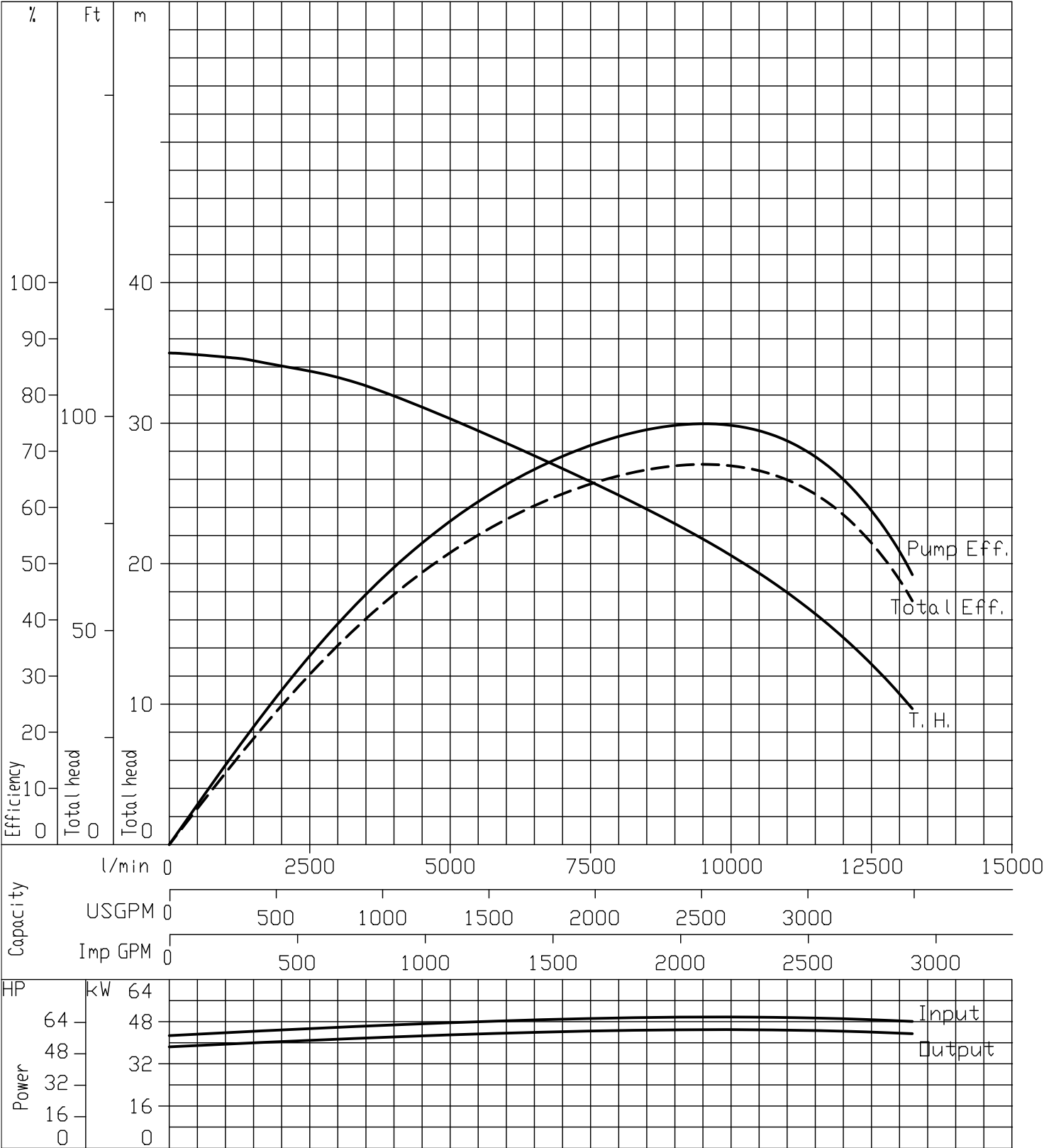


Performance Curve

4 Poles

50Hz

250DKE545_IE3	According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)	Density=1kg/dm ³ Viscosity=1mm ² /s

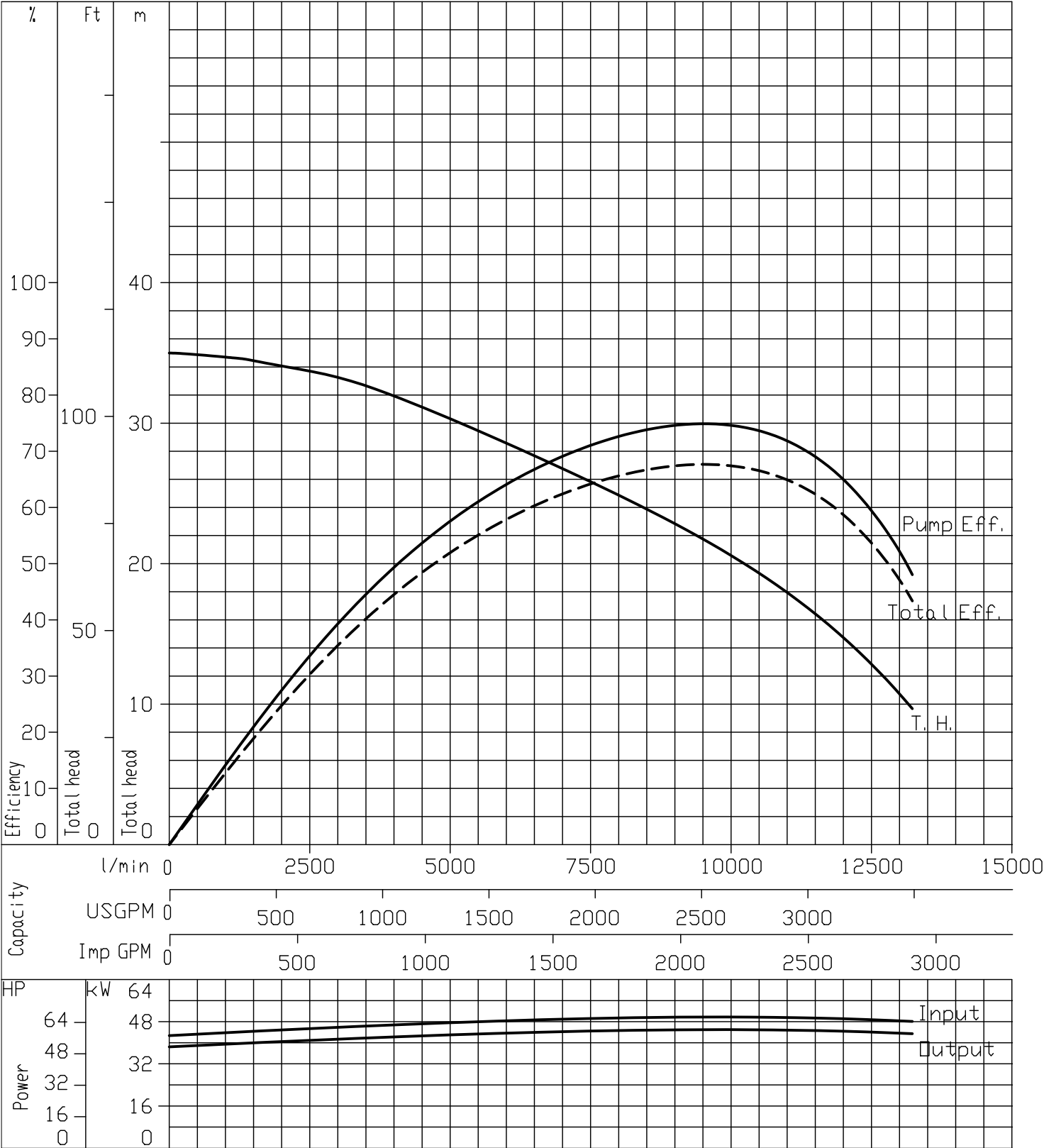


Performance Curve

4 Poles

50Hz

300DKE545_IE3		According to ISO testing code 9906 Grade 3B
50 Hz (Synchronous Speed 1500 min ⁻¹)		Density=1kg/dm3 Viscosity=1mm ² /s



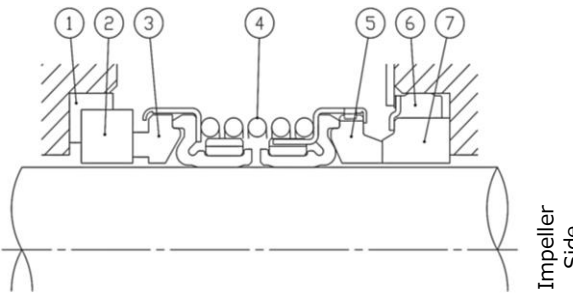
■ Applicable Models – DKE

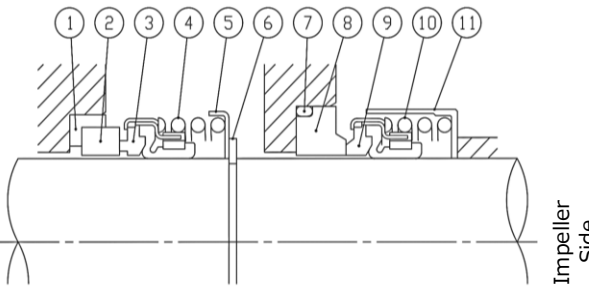
Output kW	Mechanical Seal Type	Lubricant oil	Bearings	
			Bottom	Top
1.5	A-25	Turbine Oil SAE 10W (Turbine Oil 32)	6306ZZ	6204ZZ
2.2	A-30		6307ZZ	6205ZZ
3.7			6308ZZ	6205ZZ
5.5			P-40A	6309ZZ
7.5	6309ZZ			6306ZZ
11	6313ZZ			6308ZZ
15	P-45A		6315ZZ	6308ZZ
18.5			6315ZZ	6309ZZ
22			6315ZZ	6309ZZ
30			6314ZZDR	6309ZZ
37	A-60		6315ZZDR	63010ZZ
45			6315ZZDR	63010ZZ

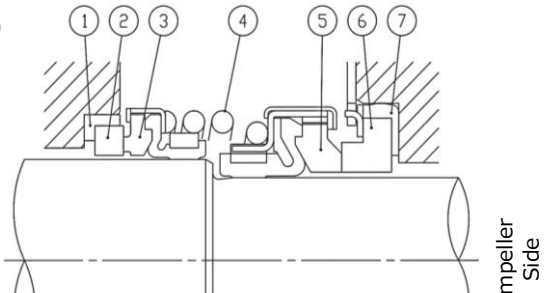
■ Applicable Models – DKE – IE3

Output kW	Mechanical Seal Type	Lubricant oil	Bearings	
			Bottom	Top
1.5	A-25	Turbine Oil SAE 10W (Turbine Oil 32)	6306ZZ	6204ZZ
2.2	A-30		6307ZZ	6205ZZ
3.7			5307ZZ	6205ZZ
5.5	EAN-40		5309ZZ	6306ZZ
7.5			5309ZZ	6306ZZ
11	EAN-45		6310ZZDR	6308ZZ
15			6310ZZDR	6308ZZ
18.5			6312ZZDR	6309ZZ
22			6312ZZDR	6309ZZ
30	A-60		6314ZZDR	6309ZZ
37			6315ZZDR	63010ZZ
45			6315ZZDR	63010ZZ

Mechanical Seal

No.	Part Name	Material	No.per Set	Type A-25 A-30
1	Cup Gasket	N.B.Rubber	1	
2	Mating Ring	Ceramic	1	
3	Seal Ring	Carbon Graphite	1	
4	Spring	304 SS	1	
5	Seal Ring	Silicon Carbide	1	
6	Mating Ring	Silicon Carbide	1	
7	Cup Gasket	N.B.Rubber	1	

No.	Part Name	Material	No.per Set	Type P-40A P-45A A-60
1	Cup Gasket	N.B.Rubber	1	
2	Mating Ring	Ceramic	1	
3	Seal Ring	Carbon Graphite	1	
4	Coll Spring	304 SS	1	
5	Spring Holder	304 SS	1	
6	Snap Ring	Spring Steel	1	
7	O-ring	N.B.Rubber	1	
8	Mating Ring	Silicon Carbide	1	
9	Seal Ring	Silicon Carbide	1	
10	Coll Spring	304 SS	1	
11	Spring Holder	304 SS	1	

No.	Part Name	Material	No.per Set	Type EAN-40 EAN-45
1	Cup Gasket	N.B.Rubber	1	
2	Mating Ring	Ceramic	1	
3	Seal Ring	Carbon Graphite	1	
4	Spring	304 SS	1	
5	Seal Ring	Silicon Carbide	1	
6	Mating Ring	Silicon Carbide	1	
7	Cup Gasket	N.B.Rubber	1	

(A-1) Miniature Thermal Protector

A Miniature Thermal Protector (MTP) is embedded in each winding of the motor as illustrated below, and provides automatic cut off with manual reset. When the temperature of the windings increases and reaches the MTP acting point, an external motor protection circuit (not supplied) is activated.

P1 & P2 (wiring in Blue and Brown), in normally closed contact type, once temperature high, the contact will open, and thus circuit not complete leading to trip and pump stop.

1. Applicable model

Motor Model ZDKE3 1.5~45kW

ZDKE 11~45kW

ZDKESD 3.7~7.5kW

2. Specifications

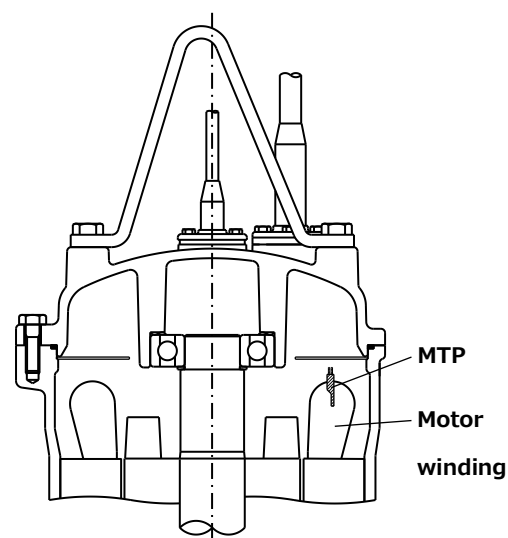
Type of contact : b (Normally-Closed)

Acting temperature : 150 ± 5 °C

Re-setting temperature : Approx. 100 °C

Contact rating : AC 115V-18A

AC 230V-13A

**(A-2) Automatic Reset Type Thermal Protector**

A automatic reset type thermal protector (Auto Cut) is built-in motor inside as illustrated below. Auto Cut is connected in series to motor circuit, when the temperature of the windings increase, the Auto Cut detects it and cuts off the motor circuit directly, the pump operation is stopped. The winding temperature cools down, the Auto Cut will reset automatically and the pump operation restarts.

1. Applicable model

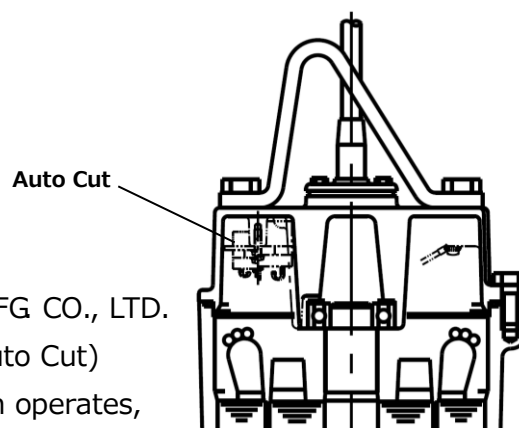
Motor Model ZDKE 1.5~7.5kW

2. Specifications

(1) Manufacturer : YAMADA ELECTRIC MFG CO., LTD.

(2) Name of product article : Thermal protector (Auto Cut)

(3) Contact type : Normally Close. When operates, becomes open.



(B) Leakage detector

A built-in float type leakage detector with an encapsulated dry reed switch within the stem is fitted to sense leaking of pumping water and/or seal oil into the motor as a result of failure of the mechanical seal.

1. Applicable model

Motor Model ZDKE3 with Leakage Detector (Option)

ZDKE with Leakage Detector (Option)

ZDKESD with Leakage Detector (Option)

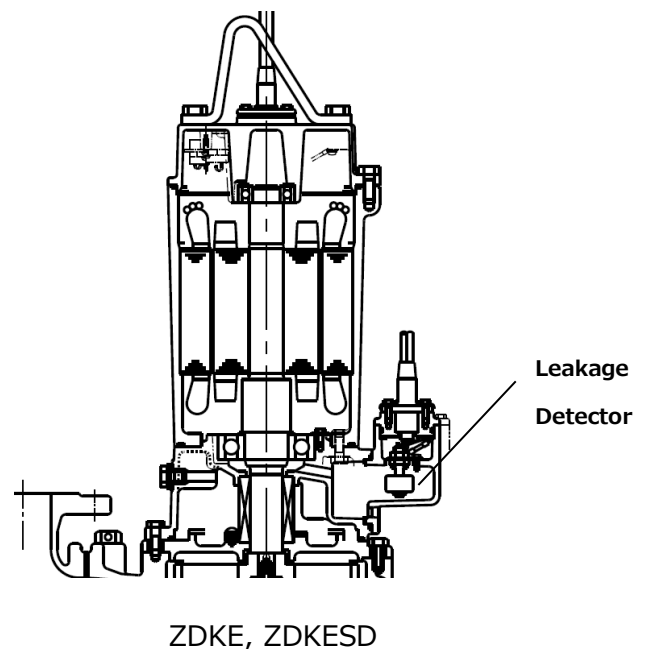
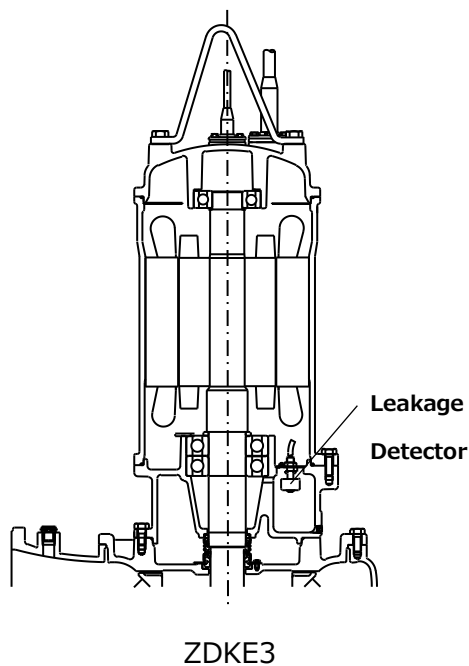
2. Specifications

Type of contact : b (Normally-Closed)

Breaking capacity : AC 50VA / DC 50W

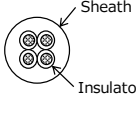
Max. breaking current : AC 0.5A / DC 0.5A

Max. operating voltage : AC 300V / DC 300V



■ Applicable Motor Models - ZDKE3, ZDKE, ZDKESD

Motor		Applicable Motor Models	Starting method	Length of cable	Power Cable Material	Number & size of conductor(s)	
						Power Cable(s)	Protector Cable
							Thermal protector & Leakage detector
Three Phase	1.5	ZDKE3	DOL	10 m	H07RN-F	4c x 1.5mm ²	Standard model 2c x 1mm ² for Thermal protector
	2.2		DOL	10 m	H07RN-F	4c x 1.5mm ²	
	3.7		DOL	10 m	H07RN-F	4c x 1.5mm ²	
	5.5		DOL	10 m	H07RN-F	4c x 1.5mm ²	
	7.5		DOL	10 m	H07RN-F	4c x 2.5mm ²	
	11		Y-Δ	10 m	H07RN-F	4c x 4mm ² x 2cables	Option model (with Leakage detector) 4c x 1mm2 for Thermal protector & Leakage detector
	15		Y-Δ	10 m	H07RN-F	4c x 4mm ² x 2cables	
	18.5		Y-Δ	10 m	H07RN-F	4c x 4mm ² x 2cables	
	22		Y-Δ	10 m	H07RN-F	4c x 6mm ² x 2cables	
	30		Y-Δ	10 m	H07RN-F	4c x 10mm ² x 2cables	
	37		Y-Δ	10 m	H07RN-F	4c x 10mm ² x 2cables	
	45		Y-Δ	10 m	H07RN-F	4c x 16mm ² x 2cables	
Three Phase	1.5	ZDKE	DOL	10 m	H07RN-F	4c x 1.5mm ²	Standard model N/A
	2.2		DOL	10 m	H07RN-F	4c x 1.5mm ²	Option model (with Leakage detector) 2c x 1mm2 for Leakage detector
	3.7		DOL	10 m	H07RN-F	4c x 1.5mm ²	
	5.5		DOL	10 m	H07RN-F	4c x 1.5mm ²	
	7.5		DOL	10 m	H07RN-F	4c x 2.5mm ²	
	11		Y-Δ	10 m	H07RN-F	4c x 4mm ² x 2cables	
	15		Y-Δ	10 m	H07RN-F	4c x 4mm ² x 2cables	
	18.5		Y-Δ	10 m	H07RN-F	4c x 4mm ² x 2cables	
	22		Y-Δ	10 m	H07RN-F	4c x 6mm ² x 2cables	
	30		Y-Δ	10 m	H07RN-F	4c x 10mm ² x 2cables	
	37		Y-Δ	10 m	H07RN-F	4c x 10mm ² x 2cables	
	45		Y-Δ	10 m	H07RN-F	4c x 16mm ² x 2cables	
Three Phase	3.7	ZDKESD	Y-Δ	10 m	H07RN-F	4c x 1.5mm ² x 2cables	
	5.5		Y-Δ	10 m	H07RN-F	4c x 1.5mm ² x 2cables	
	7.5		Y-Δ	10 m	H07RN-F	4c x 2.5mm ² x 2cables	

Applicable to	Cross sectional area of conductors	No. of conductors	Cable Type	Sheath Material	Insulation Material	Sheath Thickness mm	Insulation Thickness mm	Overall Diameter mm	
Three Phase For Power Cable DOL start motors use 1x4 core, Y-Δ start motors use 2x4 core.	1.5mm ²	4 core	H07RN-F	Chlorinated Polyethylene Rubber	Ethylene Propylene Rubber	1.7	0.8	11.2	
	2.5mm ²					1.9	0.9	13.2	
	4mm ²					2.0	1.0	15.3	
	6mm ²					2.3	1.0	18.0	
	10mm ²					3.4	1.2	23.7	
	16mm ²					3.6	1.2	28.0	
Three Phase For Protector Cable	1mm ²	2 core				0.9	0.6	8.6	
		4 core				0.9	0.6	10.3	

■ Applicable Motor Model - ZDKE3 50Hz 380V

Applicable Motor Model	Phase	Poles	Voltage	Hz	Service Factor
ZDKE3	3	4	380 V	50	1.0

Name-Plate Rating	Output kW	1.5	2.2	3.7	5.5	7.5
	Phase	3	3	3	3	3
	Pole	4	4	4	4	4
	Voltage V	380	380	380	380	380
	Current A	3.5	5.1	8.3	11.7	16.2
	Frequency Hz	50	50	50	50	50
	Insulation Class	F	F	F	F	F
Speed min ⁻¹		1430	1445	1445	1460	1455
Locked Rotor Torque %		342	133	128	115	115
Start Current A		27.2	28.9	45.3	70.92	99.9
No.starts per hour		10	10	10	10	10
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%

Name-Plate Rating	Output kW	11	15	18.5	22	30	37	45
	Phase	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4
	Voltage V	380	380	380	380	380	380	380
	Current A	22.8	30.7	37.1	44.3	60.8	74.5	90.0
	Frequency Hz	50	50	50	50	50	50	50
	Insulation Class	F	F	F	F	F	F	F
Speed min ⁻¹		1460	1465	1465	1470	1465	1470	1475
Locked Rotor Torque %		161	182	134	136	183	145	152
Start Current A		141.9	222.7	237.4	293.1	428.0	496.5	632.8
No.starts per hour		6	6	6	6	6	6	6
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%	±5%	±5%

■ Applicable Model – ZDKE3 50Hz 400V

Applicable Motor Model	Phase	Poles	Voltage	Hz	Service Factor
ZDKE3	3	4	400 V	50	1.0

Name-Plate Rating	Output kW	1.5	2.2	3.7	5.5	7.5
	Phase	3	3	3	3	3
	Pole	4	4	4	4	4
	Voltage V	400	400	400	400	400
	Current A	3.4	5.0	8.1	11.5	15.8
	Frequency Hz	50	50	50	50	50
	Insulation Class	F	F	F	F	F
Speed min ⁻¹		1435	1455	1445	1460	1465
Locked Rotor Torque %		385	148	141	127	119
Start Current A		28.8	30.8	48.3	75.2	106.3
No.starts per hour		10	10	10	10	10
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%

Name-Plate Rating	Output kW	11	15	18.5	22	30	37	45
	Phase	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4
	Voltage V	400	400	400	400	400	400	400
	Current A	22.3	30.1	35.6	42.6	60.4	72.5	87.6
	Frequency Hz	50	50	50	50	50	50	50
	Insulation Class	F	F	F	F	F	F	F
Speed min ⁻¹		1465	1470	1470	1470	1470	1475	1475
Locked Rotor Torque %		182	206	152	154	209	161	169
Start Current A		151.0	237.2	252.8	312.2	458.5	526.1	670.2
No.starts per hour		6	6	6	6	6	6	6
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%	±5%	±5%

■ Applicable Model - ZDKE3 50Hz 415V

Applicable Motor Model	Phase	Poles	Voltage	Hz	Service Factor
ZDKE3	3	4	415 V	50	1.0

Name-Plate Rating	Output	kW	1.5	2.2	3.7	5.5	7.5
	Phase		3	3	3	3	3
	Pole		4	4	4	4	4
	Voltage	V	415	415	415	415	415
	Current	A	3.4	5.0	8.1	11.4	15.8
	Frequency	Hz	50	50	50	50	50
	Insulation Class		F	F	F	F	F
Speed		min ⁻¹	1445	1455	1450	1460	1465
Locked Rotor Torque		%	418	159	152	137	129
Start Current		A	30.0	32.2	50.5	78.7	111.4
No.starts per hour			10	10	10	10	10
Voltage Tolerance			±10%	±10%	±10%	±10%	±10%
Frequency Tolerance			±5%	±5%	±5%	±5%	±5%

Name-Plate Rating	Output	kW	11	15	18.5	22	30	37	45
	Phase		3	3	3	3	3	3	3
	Pole		4	4	4	4	4	4	4
	Voltage	V	415	415	415	415	415	415	415
	Current	A	22.2	30.3	35.6	42.6	60.1	72.2	87.0
	Frequency	Hz	50	50	50	50	50	50	50
	Insulation Class		F	F	F	F	F	F	F
Speed		min ⁻¹	1465	1475	1470	1475	1475	1475	1475
Locked Rotor Torque		%	197	222	159	166	227	173	182
Start Current		A	158.2	247.6	263.8	325.2	479.2	548.5	698.4
No.starts per hour			6	6	6	6	6	6	6
Voltage Tolerance			±10%	±10%	±10%	±10%	±10%	±10%	±10%
Frequency Tolerance			±5%	±5%	±5%	±5%	±5%	±5%	±5%

■ Applicable Motor Model - ZDKE 50Hz 380V

Applicable Motor Model	Phase	Poles	Voltage	Hz	Service Factor
ZDKE	3	4	380 V	50	1.0

Name-Plate Rating	Output	kW	1.5	2.2	3.7	5.5	7.5
	Phase		3	3	3	3	3
	Pole		4	4	4	4	4
	Voltage	V	380	380	380	380	380
	Current	A	3.8	5.2	8.0	11.6	16.3
	Frequency	Hz	50	50	50	50	50
	Insulation Class		F	F	F	F	F
Speed		min ⁻¹	1425	1425	1430	1450	1455
Locked Rotor Torque		%	321	218	229	271	288
Start Current		A	23.7	29.3	49.4	81.0	120.0
No.starts per hour			20	20	20	20	20
Voltage Tolerance			±10%	±10%	±10%	±10%	±10%
Frequency Tolerance			±5%	±5%	±5%	±5%	±5%

Name-Plate Rating	Output	kW	11	15	18.5	22	30	37	45
	Phase		3	3	3	3	3	3	3
	Pole		4	4	4	4	4	4	4
	Voltage	V	380	380	380	380	380	380	380
	Current	A	22.6	29.4	36.5	43.0	56.5	71.0	87.0
	Frequency	Hz	50	50	50	50	50	50	50
	Insulation Class		F	F	F	F	F	F	F
Speed		min ⁻¹	1455	1450	1470	1460	1460	1465	1470
Locked Rotor Torque		%	155	182	171	169	157	125	123
Start Current		A	140.0	182.0	251.0	290.0	397.5	421.1	549.0
No.starts per hour			20	20	20	20	20	20	20
Voltage Tolerance			±10%	±10%	±10%	±10%	±10%	±10%	±10%
Frequency Tolerance			±5%	±5%	±5%	±5%	±5%	±5%	±5%

■ Applicable Motor Model - ZDKE 50Hz 400V

Applicable Motor Model	Phase	Poles	Voltage	Hz	Service Factor
ZDKE	3	4	400 V	50	1.0

Name-Plate Rating	Output kW	1.5	2.2	3.7	5.5	7.5
	Phase	3	3	3	3	3
	Pole	4	4	4	4	4
	Voltage V	400	400	400	400	400
	Current A	3.8	5.1	7.8	10.9	15.1
	Frequency Hz	50	50	50	50	50
	Insulation Class	F	F	F	F	F
Speed min ⁻¹		1435	1435	1435	1440	1450
Locked Rotor Torque %		352	277	276	249	272
Start Current A		24.5	30.0	47.5	70.0	104.0
No.starts per hour		20	20	20	20	20
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%

Name-Plate Rating	Output kW	11	15	18.5	22	30	37	45
	Phase	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4
	Voltage V	400	400	400	400	400	400	400
	Current A	21.8	27.5	34.5	40.3	54.5	69.0	86.0
	Frequency Hz	50	50	50	50	50	50	50
	Insulation Class	F	F	F	F	F	F	F
Speed min ⁻¹		1455	1450	1470	1460	1465	1470	1470
Locked Rotor Torque %		184	172	171	155	169	140	137
Start Current A		121.0	160.0	238.0	265.0	421.3	447.0	581.8
No.starts per hour		20	20	20	20	20	20	20
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%	±5%	±5%

■ Applicable Motor Model - ZDKE 50Hz 415V

Applicable Motor Model	Phase	Poles	Voltage	Hz	Service Factor
ZDKE	3	4	415 V	50	1.0

Name-Plate Rating	Output kW	1.5	2.2	3.7	5.5	7.5
	Phase	3	3	3	3	3
	Pole	4	4	4	4	4
	Voltage V	415	415	415	415	415
	Current A	3.4	5.2	7.7	10.7	14.8
	Frequency Hz	50	50	50	50	50
	Insulation Class	F	F	F	F	F
Speed min ⁻¹		1430	1440	1435	1450	1455
Locked Rotor Torque %		382	301	295	271	288
Start Current A		24.0	32.0	49.0	74.0	108.0
No.starts per hour		20	20	20	20	20
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%

Name-Plate Rating	Output kW	11	15	18.5	22	30	37	45
	Phase	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4
	Voltage V	415	415	415	415	415	415	415
	Current A	20.6	26.9	34.0	39.1	54.5	68.5	86.0
	Frequency Hz	50	50	50	50	50	50	50
	Insulation Class	F	F	F	F	F	F	F
Speed min ⁻¹		1455	1450	1470	1460	1470	1475	1475
Locked Rotor Torque %		155	182	185	169	182	151	148
Start Current A		128.0	167.0	248.0	265.0	439.8	465.9	606.5
No.starts per hour		20	20	20	20	20	20	20
Voltage Tolerance		±10%	±10%	±10%	±10%	±10%	±10%	±10%
Frequency Tolerance		±5%	±5%	±5%	±5%	±5%	±5%	±5%