
EBARA

CONTENTS

50Hz

Rev. 0

SPECIFICATION 50Hz

Rev. 0

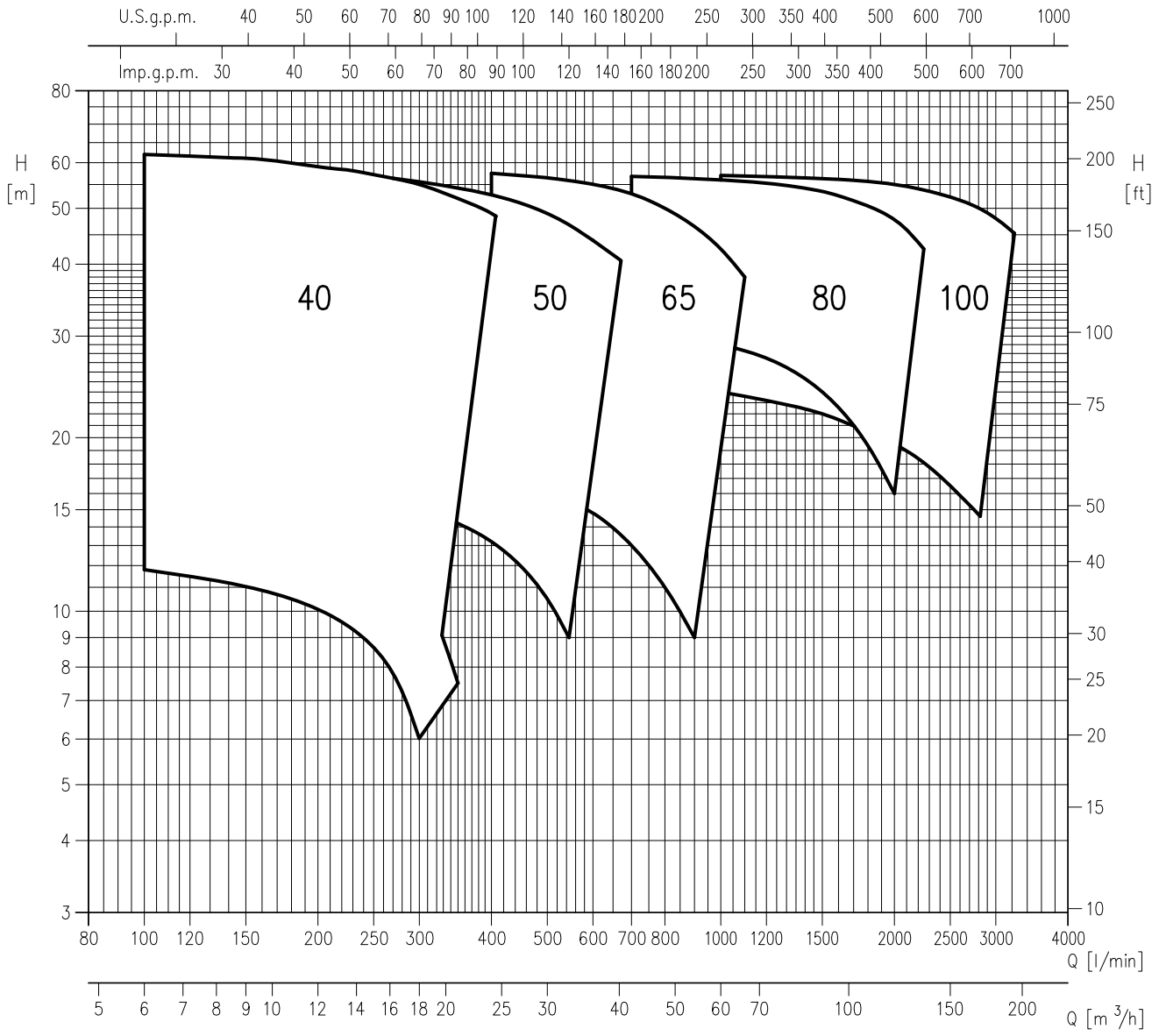
PUMP			
Liquid Handled	Type of liquid		Clean water
	Temperature	[°C]	min. -10°C max +130°C
	Viscosity	[cSt]	max 38
Maximum ambient temperature		[°C]	40 (over ask for details)
Maximum working pressure		[MPa]	1.0
Construction	Impeller		Closed centrifugal type
	Shaft seal type		Mechanical seal
	Bearing		On the motor
Pipe Connection	Suction		PN10 (LPC 32-100 – LPC 40-100) UNI 2223-29 PN16 all other models
	Discharge		PN10 (LPC 32-100 – LPC 40-100) UNI 2223-29 PN16 all other models
Material	Casing		CAST IRON
	Impeller		CAST IRON
	Casing cover		CAST IRON
	Shaft seal		Carbon/SiC/EPDM (SiC/SiC/NBR optional)
	Shaft		AISI
	Bracket		CAST IRON
Applicable standard of test			ISO 9906 – Annex A

MOTOR		
Type		Electric - TEFC
		Three Phase
Efficiency level (Reg. 640/2009)		IE1 from 0.37 kW up to 0.55 kW IE2 from 0.75 kW up to 37 kW
No. of Poles		2
Rotation speed	[min^{-1}]	≈ 2900
Insulation Class		F
Protection degree (CEI EN 60034-5)		IP 55
Power rating	[kW]	0.37 ÷ 37
	[HP]	0.5 ÷ 50
Frequency	[Hz]	50
Voltage	[V]	230/400 ±10% (up to 4 kW) 400/690 ±10% (5.5kW and above)
Over load protection		Provided by the user
Casing material		Alluminum (up to MEC 132) Cast iron (MEC 160 and above)

SELECTION CHART

50Hz

Rev. 0



SELECTION CHART

50Hz

Rev. 0

LPC 2 Poles: 32, 40, 50 Version

Pump type	Power		Q=Capacity															
			l/min	0	50	100	125	150	175	200	225	250	300	350	400	450	500	600
	[kW]	[HP]	m³/h	0	3,0	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total manometric head in meters															
LPC 32-100/0,37	0,37	0,5		11,2	10,7	10	9,3	8,4	7,3	6	4	-	-	-	-	-	-	-
LCP 40-100/0,55	0,55	0,75		12,2	-	11,7	11,4	11	10,5	9,9	9,3	8,5	7	-	-	-	-	-
LPC 40-100/0,75	0,75	1		14	-	13,5	13,3	13	12,5	12	11,4	10,7	9	7	-	-	-	-
LPC 40-125/0,75	0,75	1		16,8	-	15,3	14,5	13,7	12,8	11,5	10,4	9	6	-	-	-	-	-
LPC 40-125/1,1	1,1	1,5		21,5	-	20,5	19,7	19	18,1	17,1	15,9	14,5	11,2	7,5	-	-	-	-
LPC 40-125/1,5	1,5	2		25	-	24,5	24,1	23,5	22,9	22	20,8	19,5	16,5	13	-	-	-	-
LPC 40-160/2,2	2,2	3		29,2	-	28,5	28	27,4	26,5	25,5	24,4	23,1	20	15	-	-	-	-
LPC 40-160/3R	3	4		34,5	-	33,5	33	32,5	32	31	30	29	26	22,5	-	-	-	-
LPC 40-160/3	3	4		38,5	-	38	37,5	36,8	35,8	35	33,9	32,5	30	26,5	-	-	-	-
LPC 40-200/4	4	5,5		47,5	-	47	46,5	46	45	44	43	42	39,2	36,1	33	-	-	-
LPC 40-200/5,5	5,5	7,5		55,5	-	55	54,5	54	53,5	53	52	51	48,5	46	42,5	-	-	-
LPC 40-200/7,5	7,5	10		62,5	-	62	61,5	61	60	59	58,5	57	55	52	49	45	-	-
LPC 50-125/1,5	1,5	2		16,8	-	-	-	-	-	16	15,7	15,5	15	14,2	13,2	11,9	10,5	7
LPC 50-125/2,2	2,2	3		20	-	-	-	-	-	19,5	19,3	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPC 50-125/3	3	4		25	-	-	-	-	-	24,7	24,6	24,5	24,2	23,7	23	21,8	20,5	17
LPC 50-160/3	3	4		31	-	-	-	-	-	30,5	30,2	29,9	29	27,8	26,5	24,9	23	18
LPC 50-160/4	4	5,5		38	-	-	-	-	-	37	36,8	36,5	35,5	34,6	33,5	32,2	30,7	26,5
LPC 50-200/5,5	5,5	7,5		47	-	-	-	-	-	46	45,5	45	44	43	41	39,2	37	31
LPC 50-200/7,5R	7,5	10		51,5	-	-	-	-	-	51	51	51	50	48,5	47	45	42,5	37
LPC 50-200/7,5	7,5	10		58,5	-	-	-	-	-	57,5	57	57	55,5	54	53	51	49	44

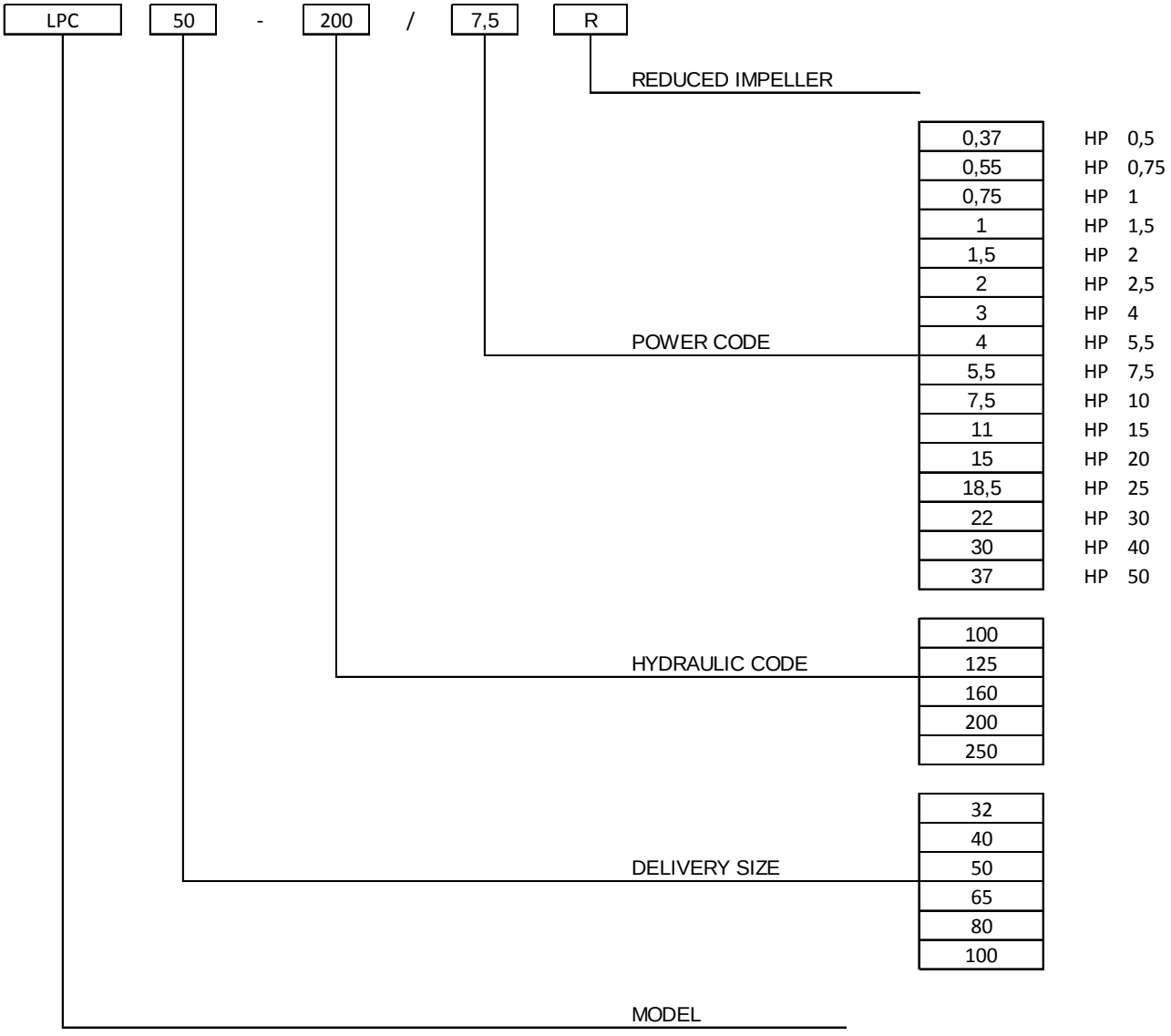
LPC 2 Poles: 65, 80, 100 Version

Pump type	Power		Q=Capacity																				
			l/min	0	350	400	450	500	600	700	800	900	1000	1100	1250	1500	1750	2000	2250	2500	2750	3000	3500
	[kW]	[HP]	m³/h	0	21	24	27	30	36	42	48	54	60	66	75	90	105	120	135	150	165	180	210
			H=Total manometric head in meters																				
LPC 65-125/2,2	2,2	3		18,5	17,5	17	16,5	16	14,8	13	11	9	-	-	-	-	-	-	-	-	-	-	-
LPC 65-125/3	3	4		22,5	-	21,0	20,6	20,1	19	17,6	16	14	12	-	-	-	-	-	-	-	-	-	-
LPC 65-125/4	4	5,5		26,2	-	25,5	25,2	24,8	24	22,9	21,5	19,6	17,5	-	-	-	-	-	-	-	-	-	-
LPC 65-160/5,5	5,5	7,5		33,1	-	32,3	32	31,5	30,8	29,5	28	25,8	23,5	-	-	-	-	-	-	-	-	-	-
LPC 65-160/7,5	7,5	10		37,1	-	36,7	36,4	36	35,2	34,1	32,8	31	28,8	26	-	-	-	-	-	-	-	-	-
LPC 65-200/11	11	15		52	-	51	50	49	48	45,5	43	39,7	36	31,5	-	-	-	-	-	-	-	-	-
LPC 65-200/15	15	20		58,5	-	57,5	57	56,5	55	53	50	46,5	42,5	38	-	-	-	-	-	-	-	-	-
LPC 80-160/11	10	13,6		31	-	-	-	-	-	30,5	30	29,5	29	28,3	27	24	20,2	16	-	-	-	-	-
LPC 80-160/15R	12,5	17		37	-	-	-	-	-	36	35,5	35	34,5	34	32,8	30	27	23	19	-	-	-	-
LPC 80-160/15	15	20		42	-	-	-	-	-	41	40,5	39,9	39,2	38,6	37,5	35,5	32,5	29	24	-	-	-	-
LPC 80-200/15	15	20		44	-	-	-	-	-	44	44	43,5	43	42,5	41,5	39	35,5	31,5	-	-	-	-	-
LPC 80-200/18,5	18,5	25		51	-	-	-	-	-	50,5	50	50	49,5	49	48,5	46,5	43	39,5	35	-	-	-	-
LPC 80-200/22	22	30		57	-	-	-	-	-	57	56,5	56,5	56,0	55,5	55	53,5	51	48	42,5	-	-	-	-
LPC 100-160/11	11	15		24,8	-	-	-	-	-	-	-	-	23,5	23,6	23	22	20,7	19,5	18,1	16,5	14	-	-
LPC 100-160/15R	12,5	17		29,5	-	-	-	-	-	-	-	-	28,5	28,2	27,9	27	25,8	24,5	23	21,5	20	18	-
LPC 100-160/15	15	20		35	-	-	-	-	-	-	-	-	34	33,8	33,3	32,5	31,7	30,5	29,2	27,6	26	24,5	-
LPC 100-200/18,5	18,5	25		42	-	-	-	-	-	-	-	-	42	41,5	41	40	38,6	37	35	33	30,5	28	-
LPC 100-200/22	22	30		47	-	-	-	-	-	-	-	-	47	46,5	46,5	45,5	44,5	43	41	39	36,7	34	-
LPC 100-200/30	30	40		55,5	-	-	-	-	-	-	-	-	-	-	54	53	52	50,5	49	47	45	42,5	37
LPC 100-200/37	37	50		57	-	-	-	-	-	-	-	-	-	-	56,5	56,5	56	55	54	52,5	50,5	48	42
LPC 100-250/37	37	50		68,5	-	-	-	-	-	-	-	-	-	-	67,5	67	66	65	63,5	61	58	55	47

TYPE KEY AND CURVE SPECIFICATIONS 50Hz

Rev. 0

TYPE KEY:



PERFORMANCE CURVE SPECIFICATIONS

The specifications below qualify the curves shown on the following pages.

Tolerances according to ISO 9906 Annex A
The curves refer to effective speed of asynchronous motors at 50 Hz
Measurements were carried out with clean water at 20°C of temperature and with a kinematic viscosity of ν = 1 mm^2/s (1 cSt)

The NPSH curve is an average curve obtained in the same conditions of performance curves.
The continuous curves indicate the recommended working range. The dotted curve is only a guide.
In order to avoid the risk of over-heating, the pumps should not be used at a flow rate below 10% of best efficiency point.

Symbols explanation:

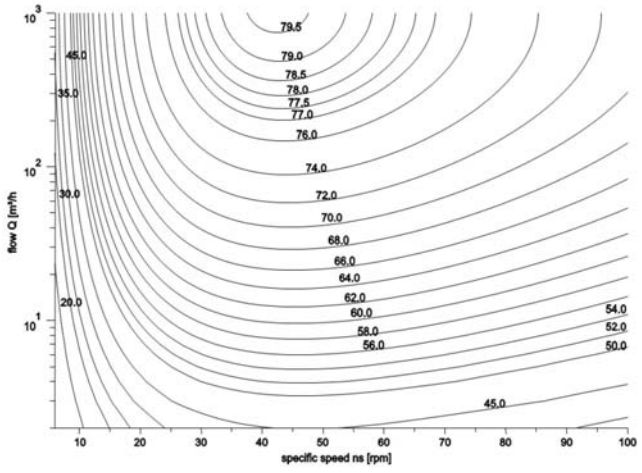
Q	=	volume flow rate
H	=	total head
P_2	=	pump power input (shaft power)
η	=	pump efficiency
NPSH	=	net positive suction head required by the pump
MEI	=	minimum efficiency index

The minimun efficiency index (MEI) is a measure of the quality of a pump size in respect to its mean efficiency. The minimum efficiency index is based on the hydraulic efficiency and on the head at the best efficiency point.

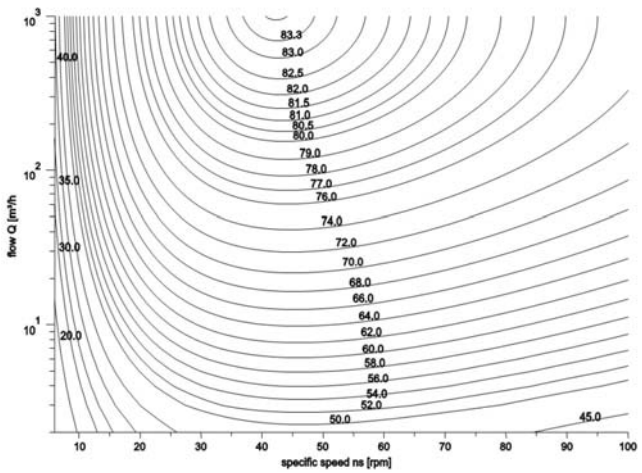
The efficiency of a pump with trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.

The operation of these water pumps with variabile duty points may be more efficient end economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.

MEI = 0.4 for ESCCi 2900rpm



MEI=0.7 for ESCCi 2900 rpm

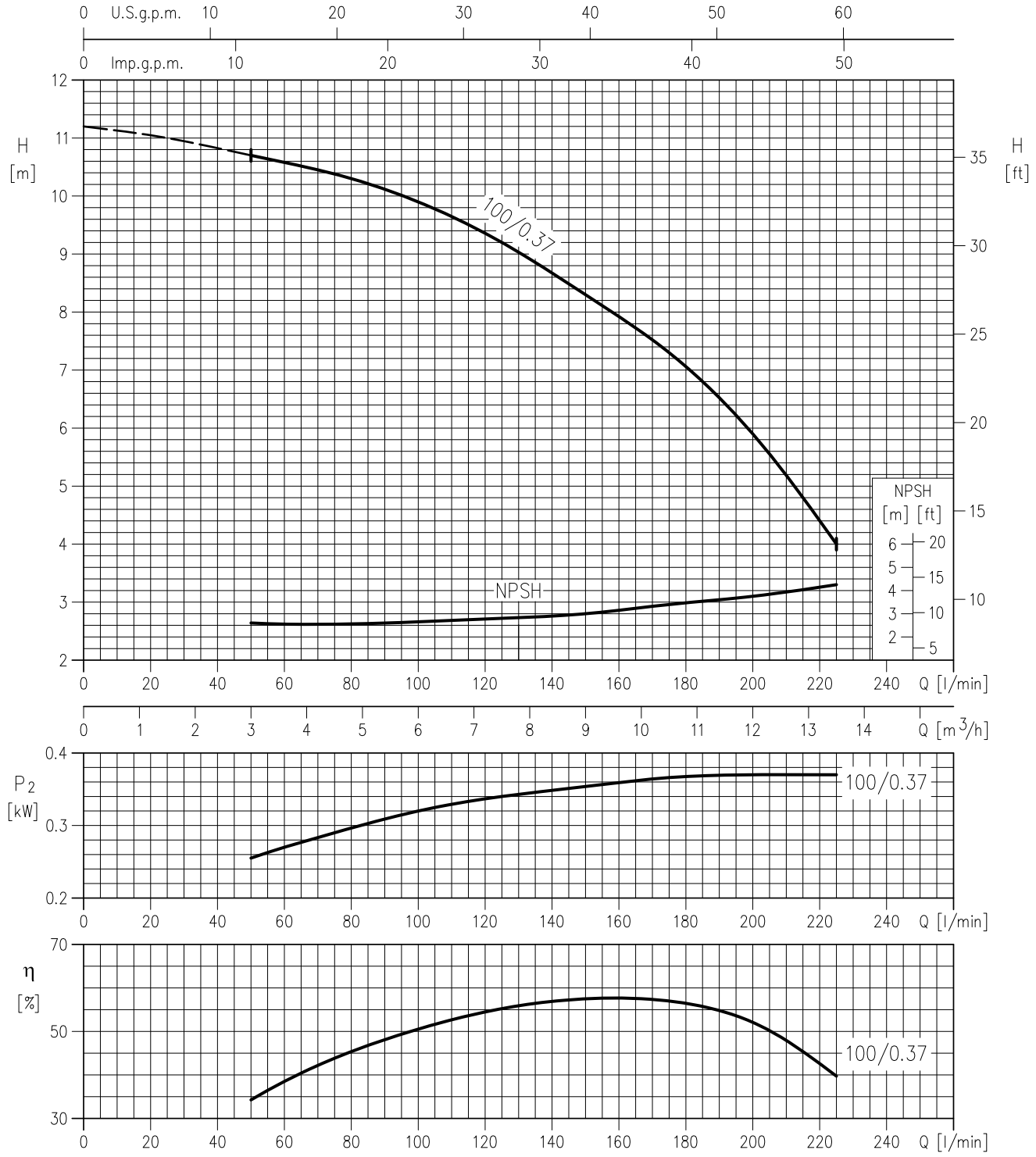


PERFORMANCE CURVE

50Hz

Rev. 0

LPC 32-100/0.37 (0.37 kW) MEI > 0.10 - Impeller diameter = 100 mm



Rotation speed ≈ 2900 min^{-1}

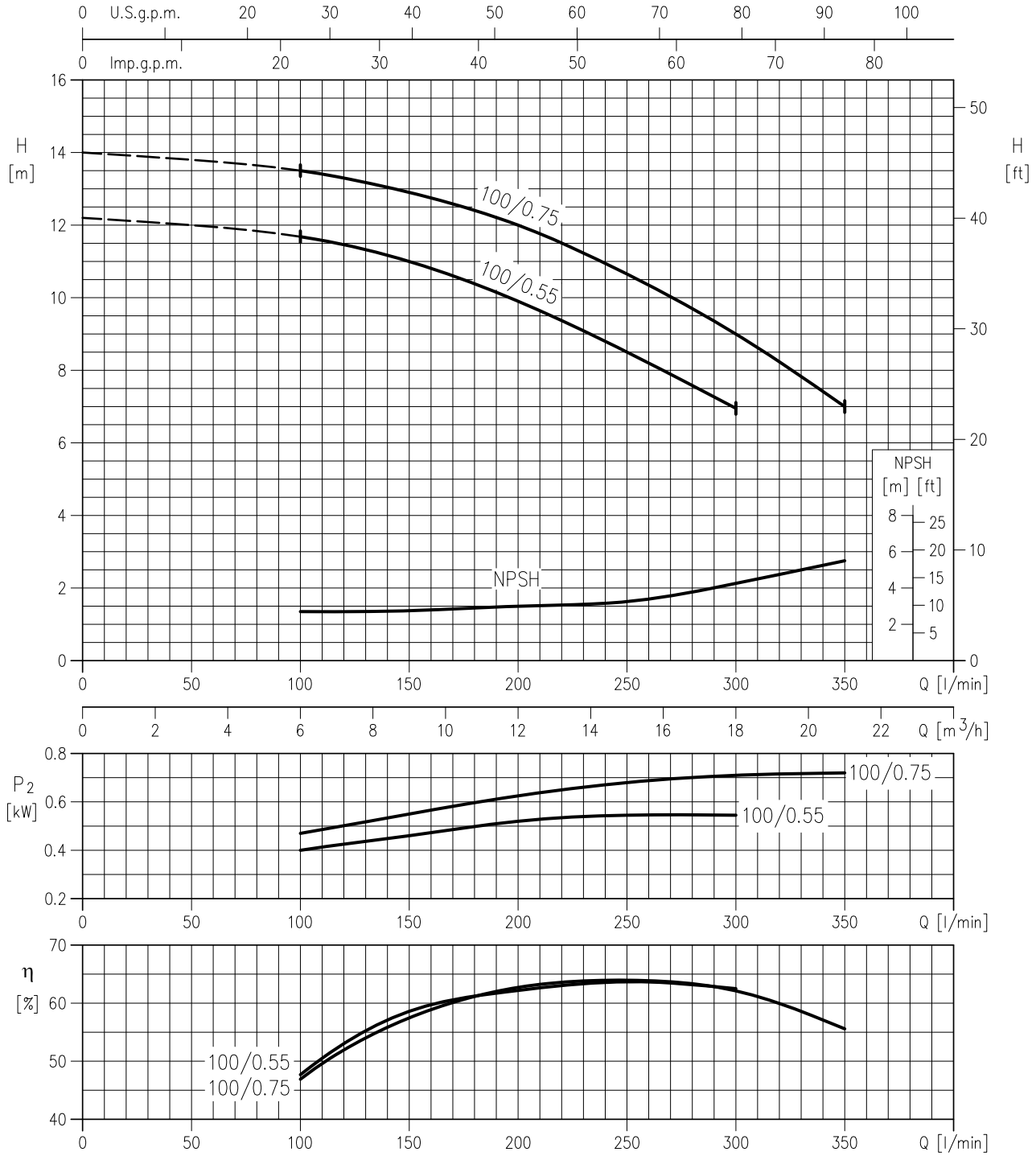
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 40-100/0.55 (0.55 kW) MEI > 0.10 - Impeller diameter = 100 mm
LPC 40-100/0.75 (0.75 kW) MEI > 0.10 - Impeller diameter = 100 mm

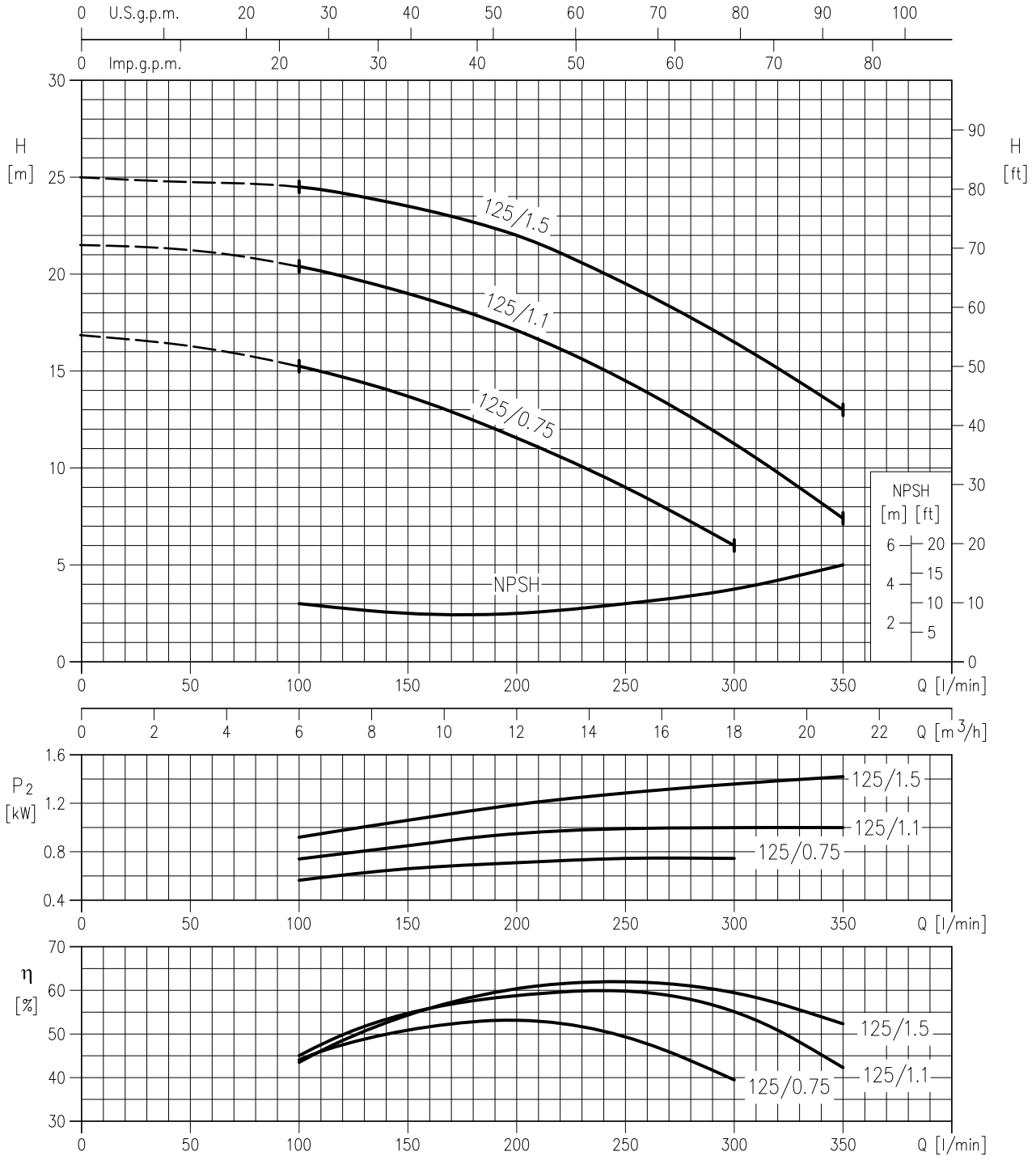


Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE 50Hz

Rev. 0

LPC 40-125/0.75 (0.75 kW) MEI > 0.10 - Impeller diameter = 125 mm
LPC 40-125/1.1 (1.1 kW) MEI > 0.10 - Impeller diameter = 125 mm
LPC 40-125/1.5 (1.5 kW) MEI > 0.10 - Impeller diameter = 125 mm



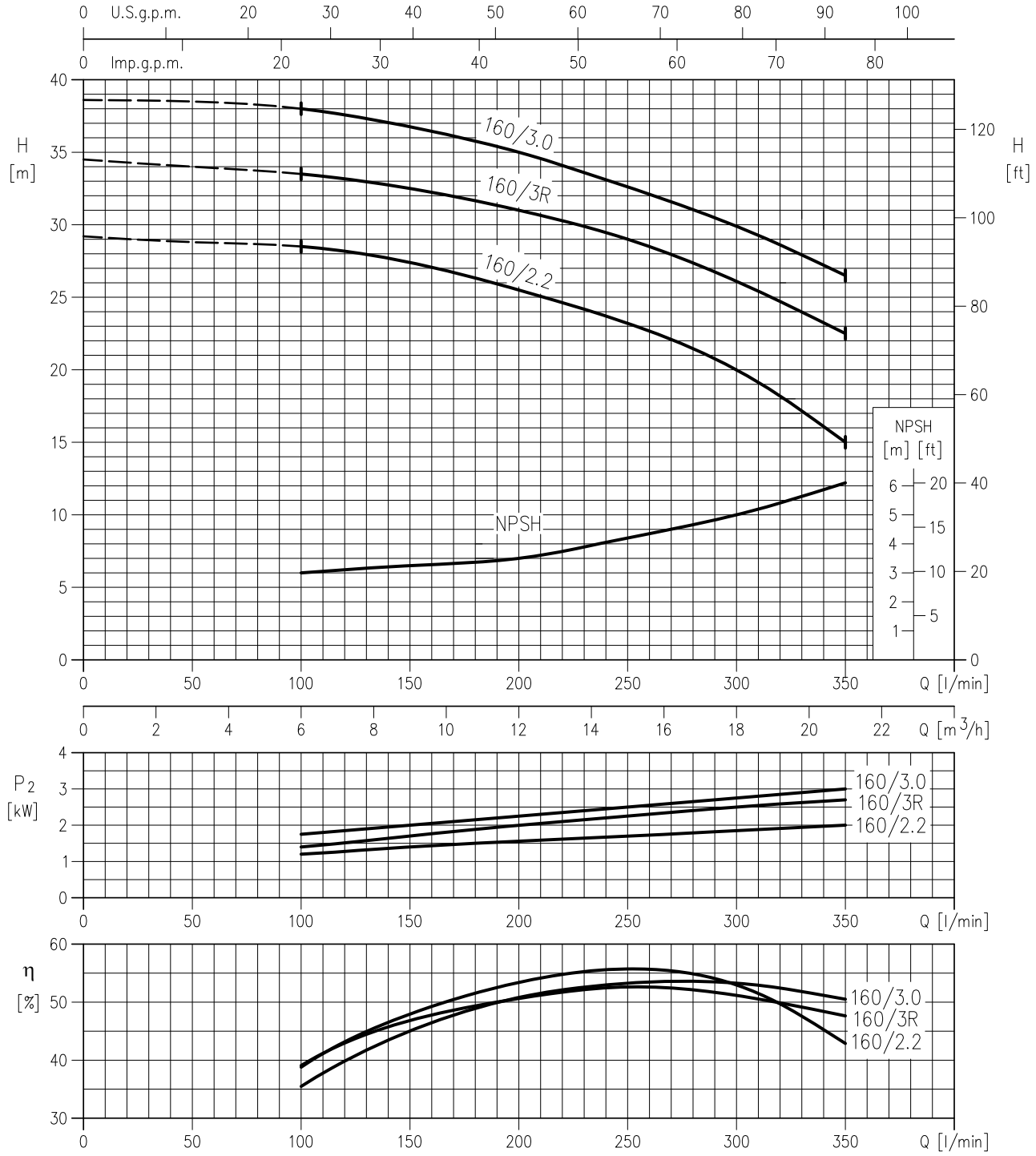
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 40-160/2.2 (2.2 kW) MEI > 0.10 - Impeller diameter = 160 mm
LPC 40-160/3R (3.0 kW) MEI > 0.10 - Impeller diameter = 160 mm
LPC 40-160/3.0 (3.0 kW) MEI > 0.10 - Impeller diameter = 160 mm



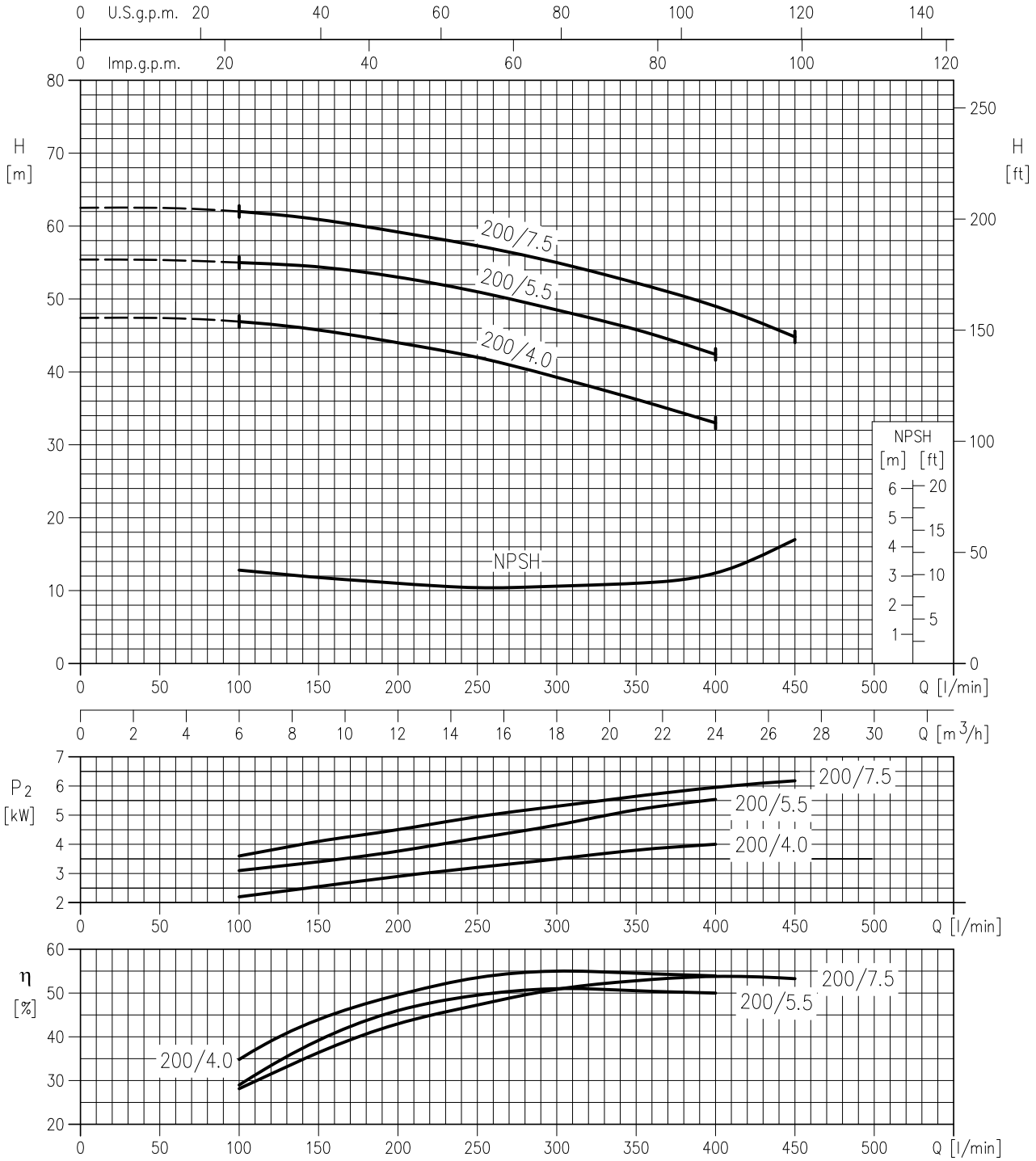
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 40-200/4.0 (4.0 kW) MEI > 0.40 - Impeller diameter = 200 mm
LPC 40-200/5.5 (5.5 kW) MEI > 0.40 - Impeller diameter = 200 mm
LPC 40-200/7.5 (7.5 kW) MEI > 0.40 - Impeller diameter = 200 mm



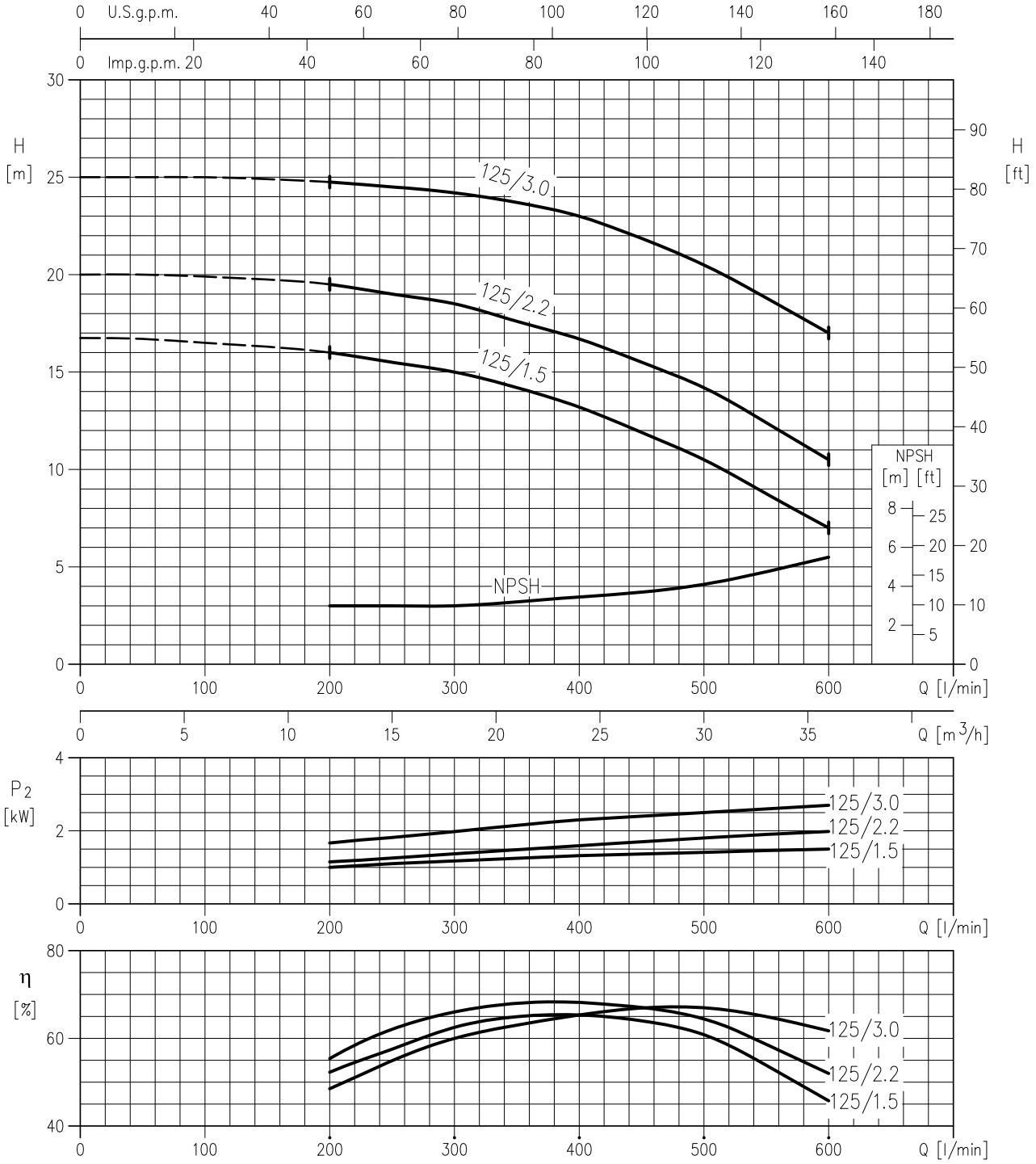
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 50-125/1.5 (1.5 kW) MEI > 0.10 - Impeller diameter = 125 mm
LPC 50-125/2.2 (2.2 kW) MEI > 0.10 - Impeller diameter = 125 mm
LPC 50-125/3.0 (3.0 kW) MEI > 0.10 - Impeller diameter = 125 mm



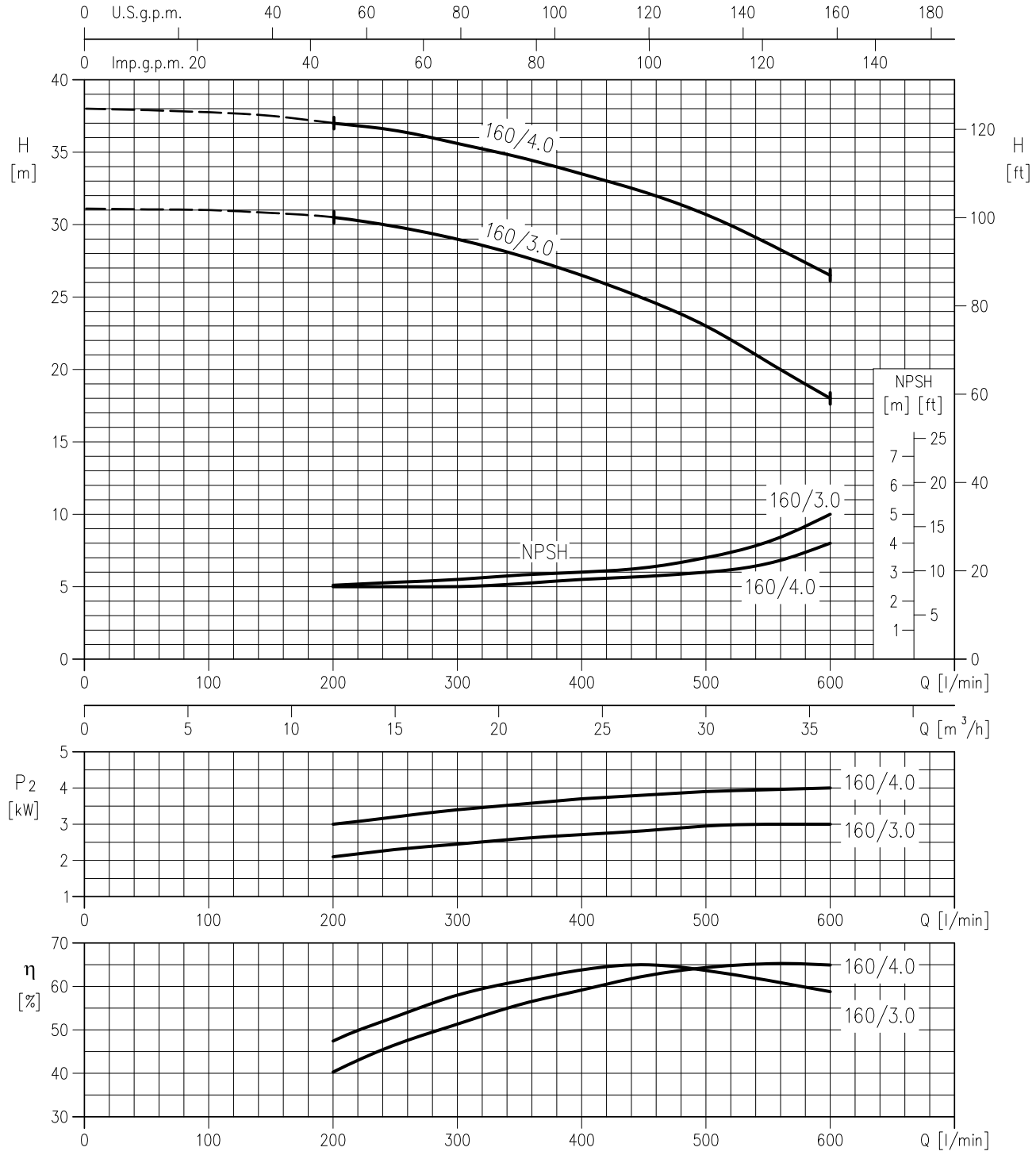
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 50-160/3.0 (3.0 kW) MEI > 0.10 - Impeller diameter = 160 mm
LPC 50-160/4.0 (4.0 kW) MEI > 0.10 - Impeller diameter = 160 mm



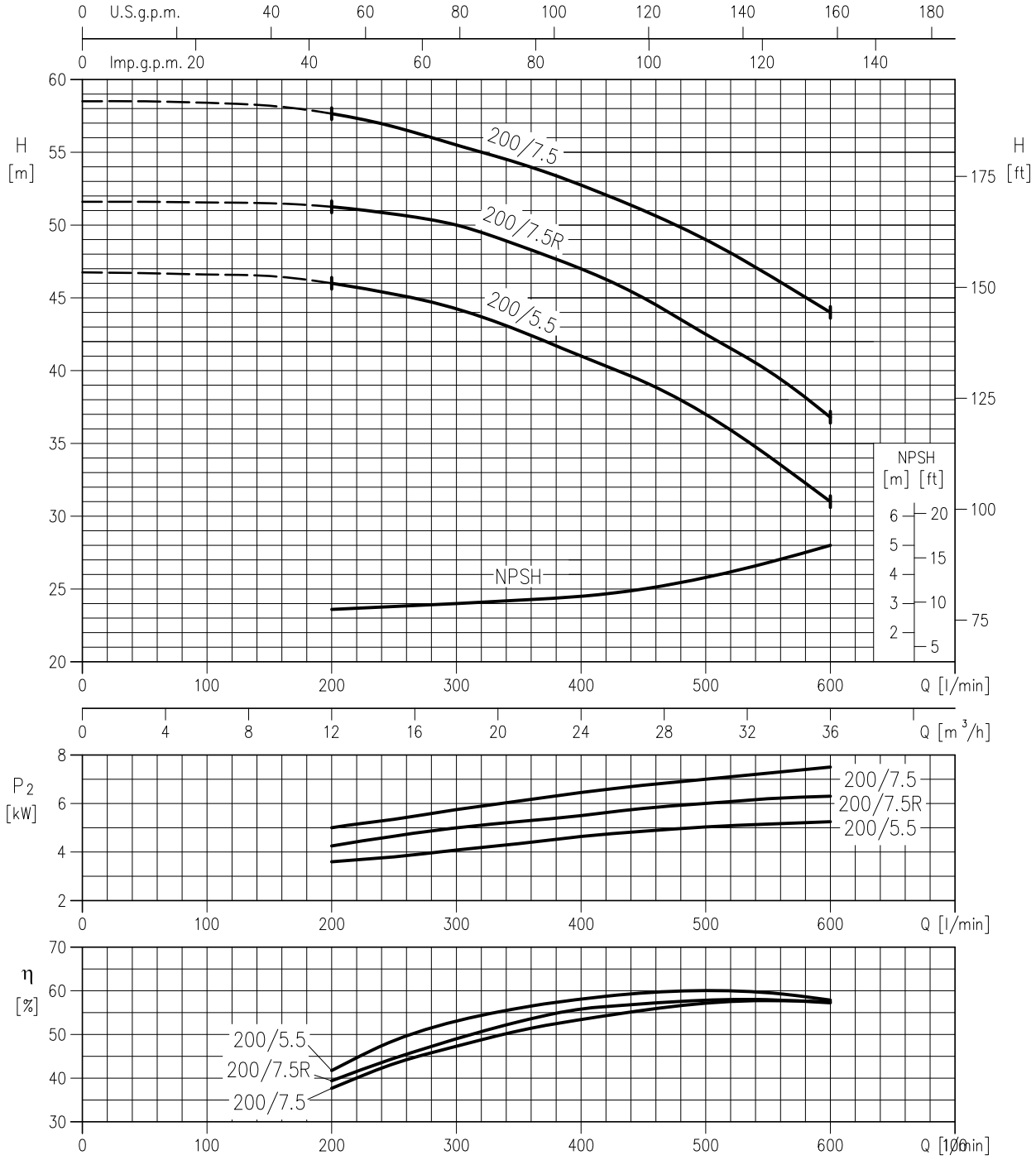
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 50-200/5.5 (5.5 kW) MEI > 0.40 - Impeller diameter = 200 mm
LPC 50-200/7.5R (7.5 Kw) MEI > 0.40 - Impeller diameter = 200 mm
LPC 50-200/7.5 (7.5 kW) MEI > 0.40 - Impeller diameter = 200 mm



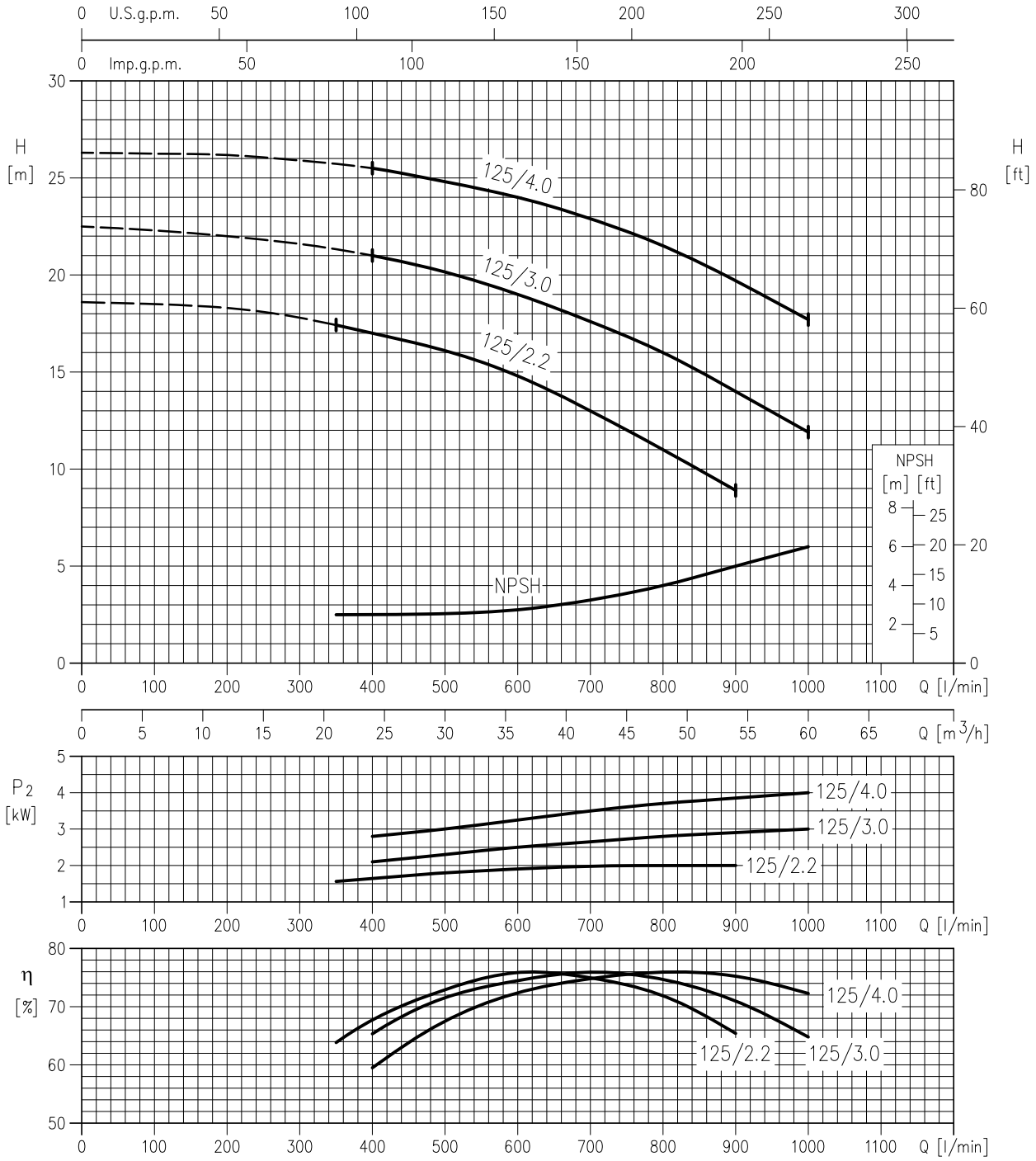
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 65-125/2.2 (2.2 kW) MEI > 0.10 - Impeller diameter = 125 mm
LPC 65-125/3.0 (3.0 kW) MEI > 0.10 - Impeller diameter = 125 mm
LPC 65-125/4.0 (4.0 kW) MEI > 0.10 - Impeller diameter = 125 mm



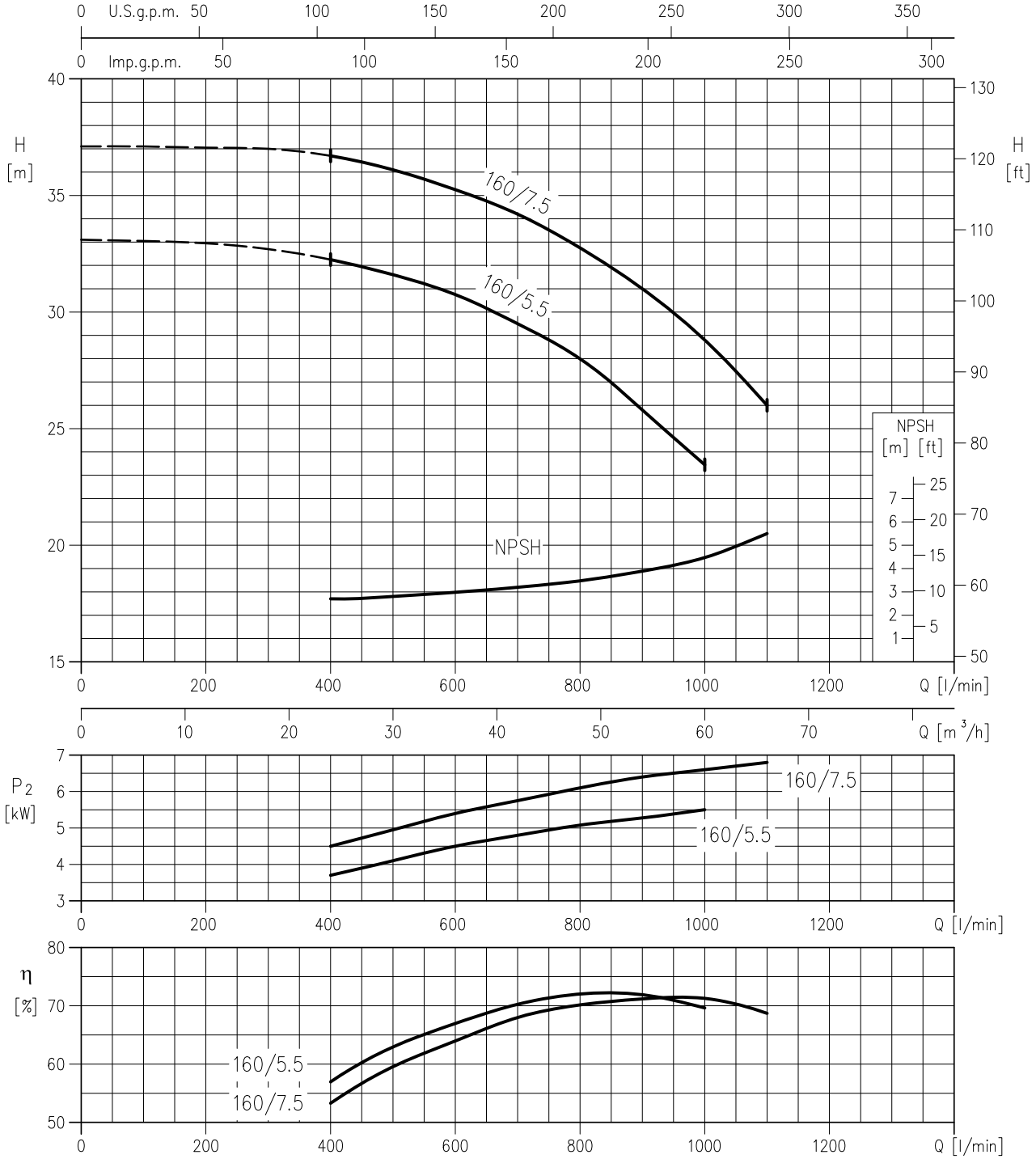
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 65-160/5.5 (5.5 kW) MEI > 0.10 - Impeller diameter = 160 mm
LPC 65-160/7.5 (7.5 kW) MEI > 0.10 - Impeller diameter = 160 mm



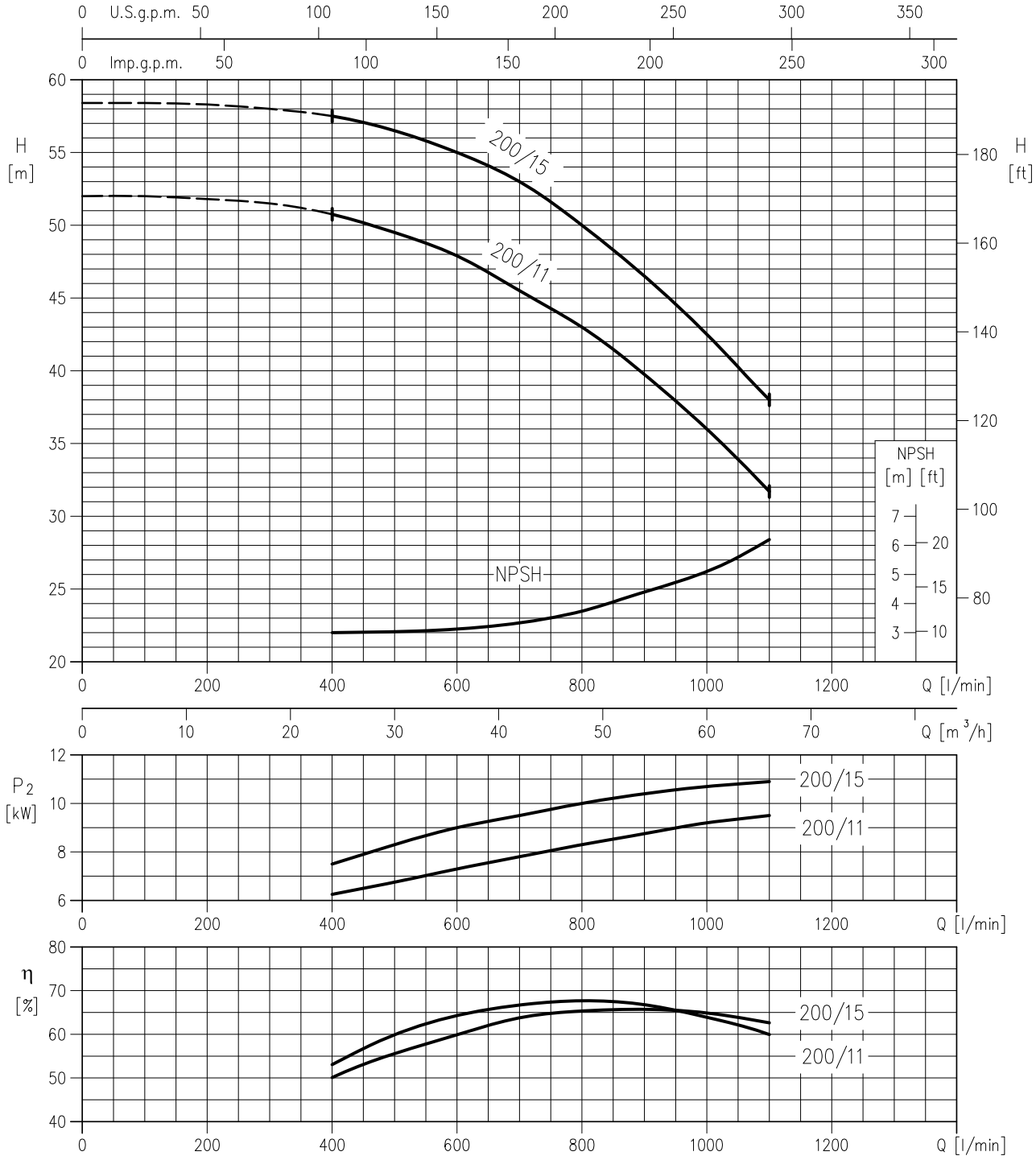
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 65-200/11 (11 kW) MEI > 0.10 - Impeller diameter = 200 mm
LPC 65-200/15 (15 kW) MEI > 0.10 - Impeller diameter = 200 mm



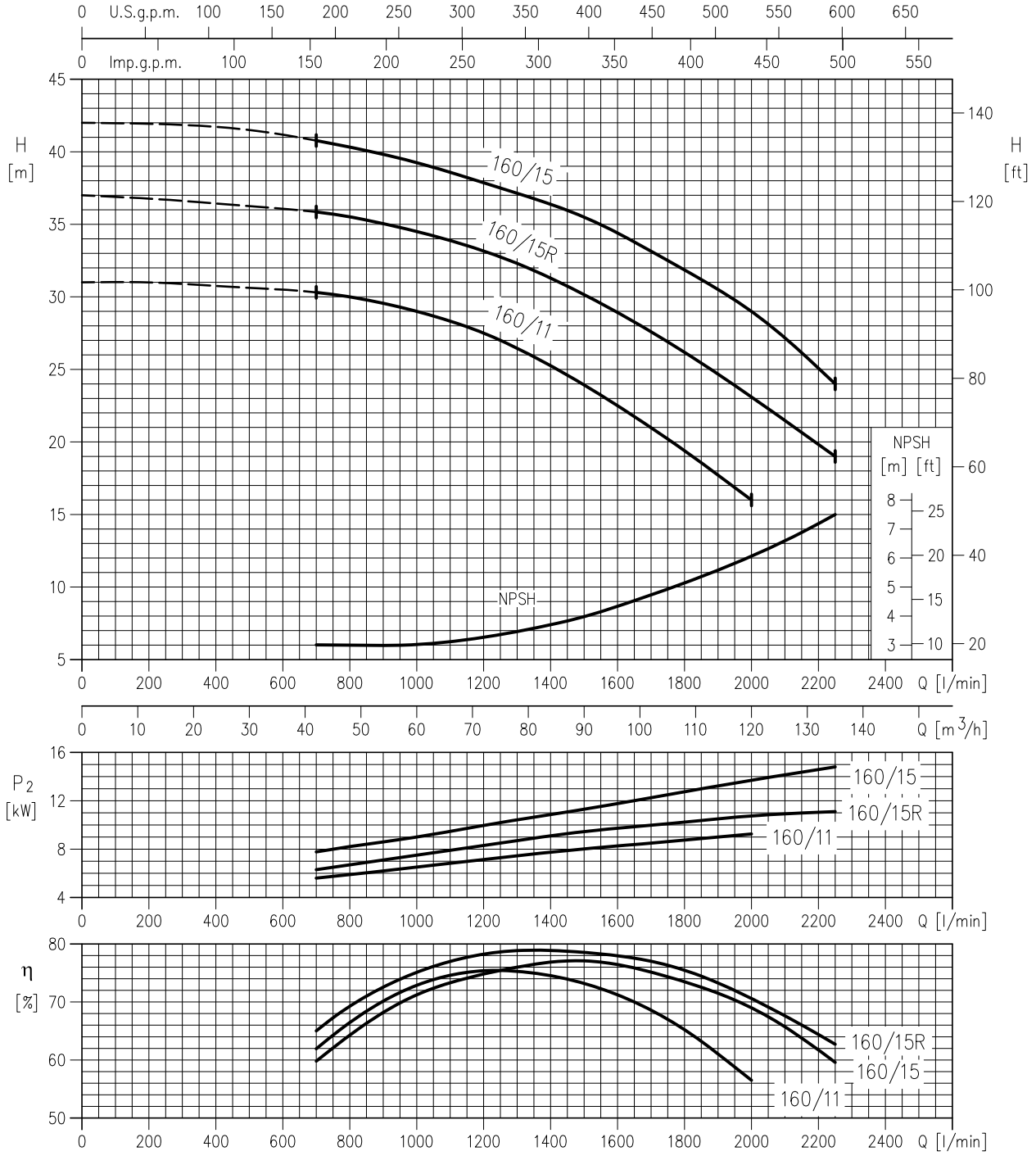
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 80-160/11 (11 kW) MEI > 0.40 - Impeller diameter = 160 mm
LPC 80-160/15R (15 kW) MEI > 0.40 - Impeller diameter = 160 mm
LPC 80-160/15 (15 kW) MEI > 0.40 - Impeller diameter = 160 mm



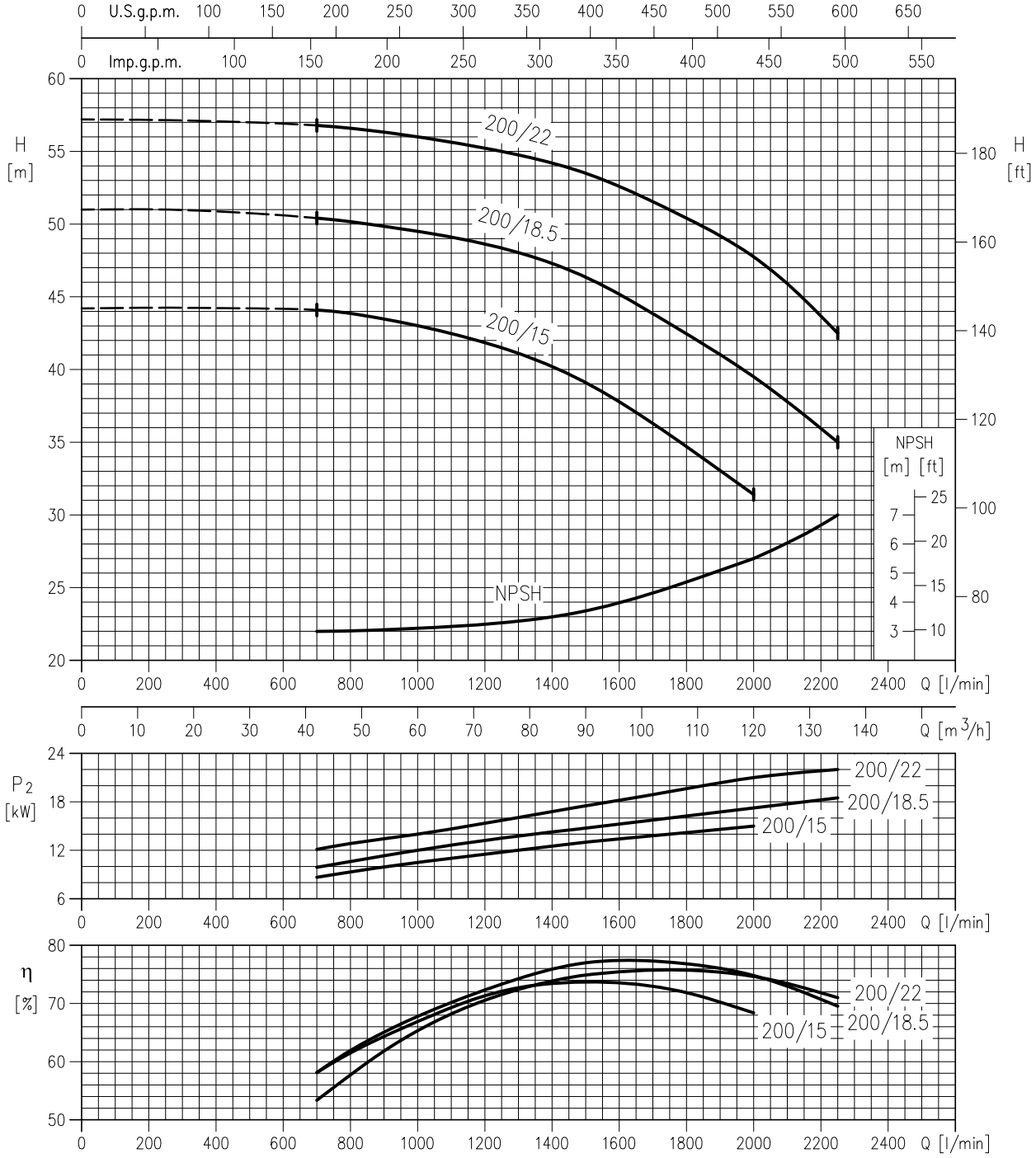
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 80-200/15 (15 kW) **MEI > 0.10 - Impeller diameter = 200 mm**
LPC 80-200/18.5 (18.5 kW) **MEI > 0.10 - Impeller diameter = 200mm**
LPC 80-200/22 (22 kW) **MEI > 0.10 - Impeller diameter = 200 mm**



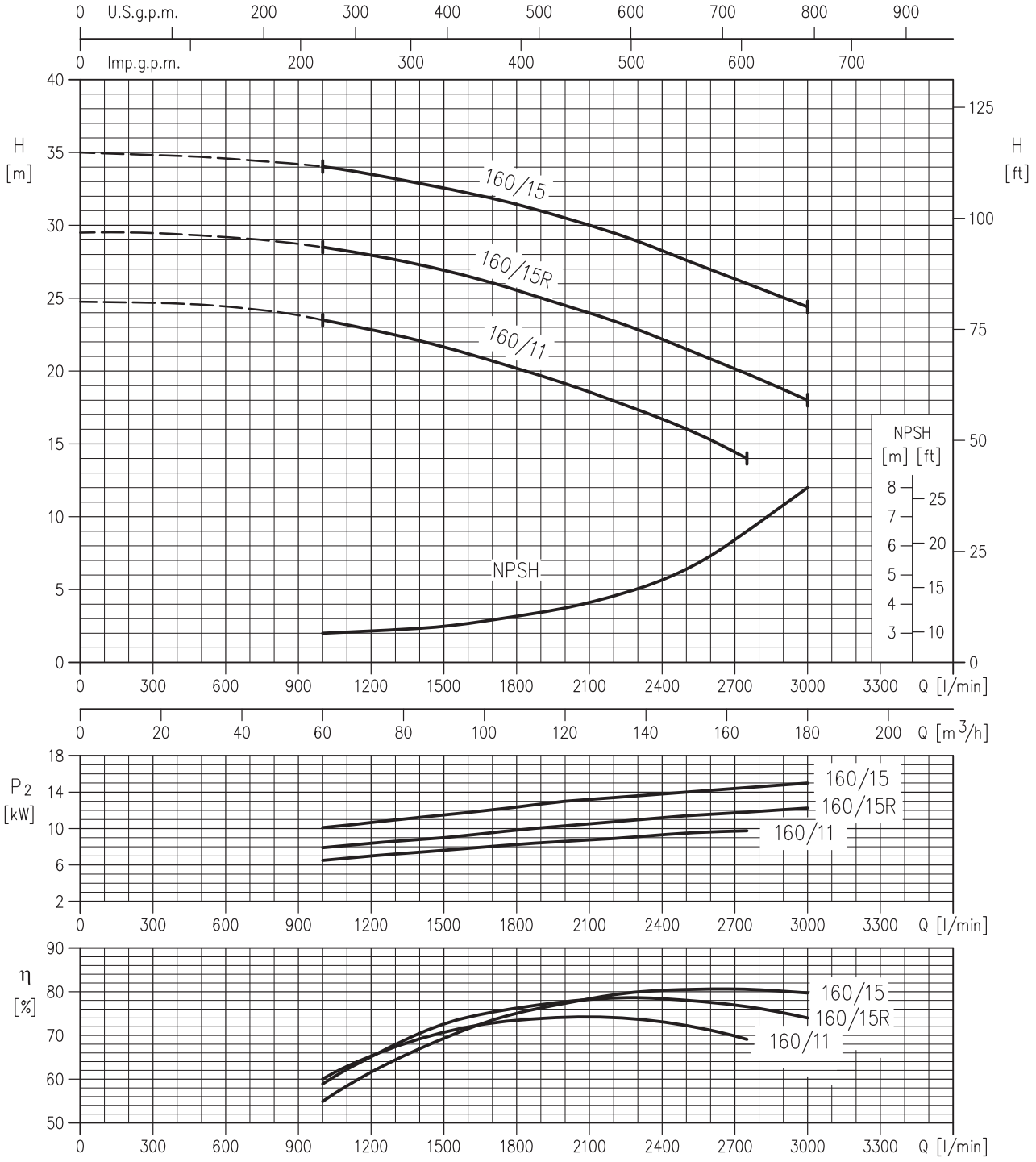
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 100-160/11 (11 kW) MEI > 0.10 - Impeller diameter = 160 mm
LPC 100-160/15R (15 kW) MEI > 0.10 - Impeller diameter = 160 mm
LPC 100-160/15 (15 kW) MEI > 0.10 - Impeller diameter = 160 mm



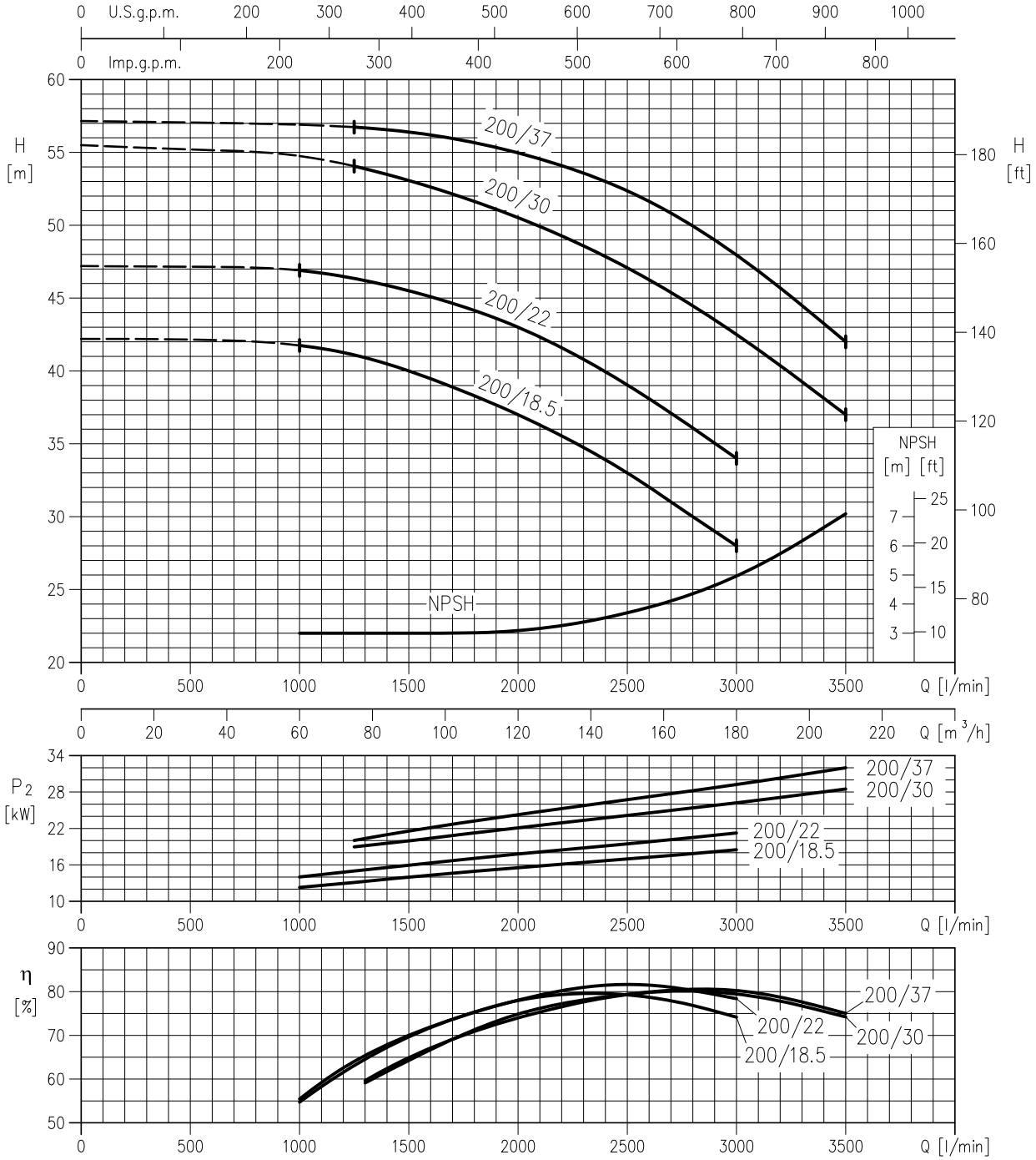
Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE

50Hz

Rev. 0

LPC 100-200/18.5 (18.5 kW) MEI > 0.10 - Impeller diameter = 200 mm
LPC 100-200/22 (22 kW) MEI > 0.10 - Impeller diameter = 200 mm
LPC 100-200/30 (30 kW) MEI > 0.10 - Impeller diameter = 200 mm
LPC 100-200/37 (37 kW) MEI > 0.10 - Impeller diameter = 200 mm

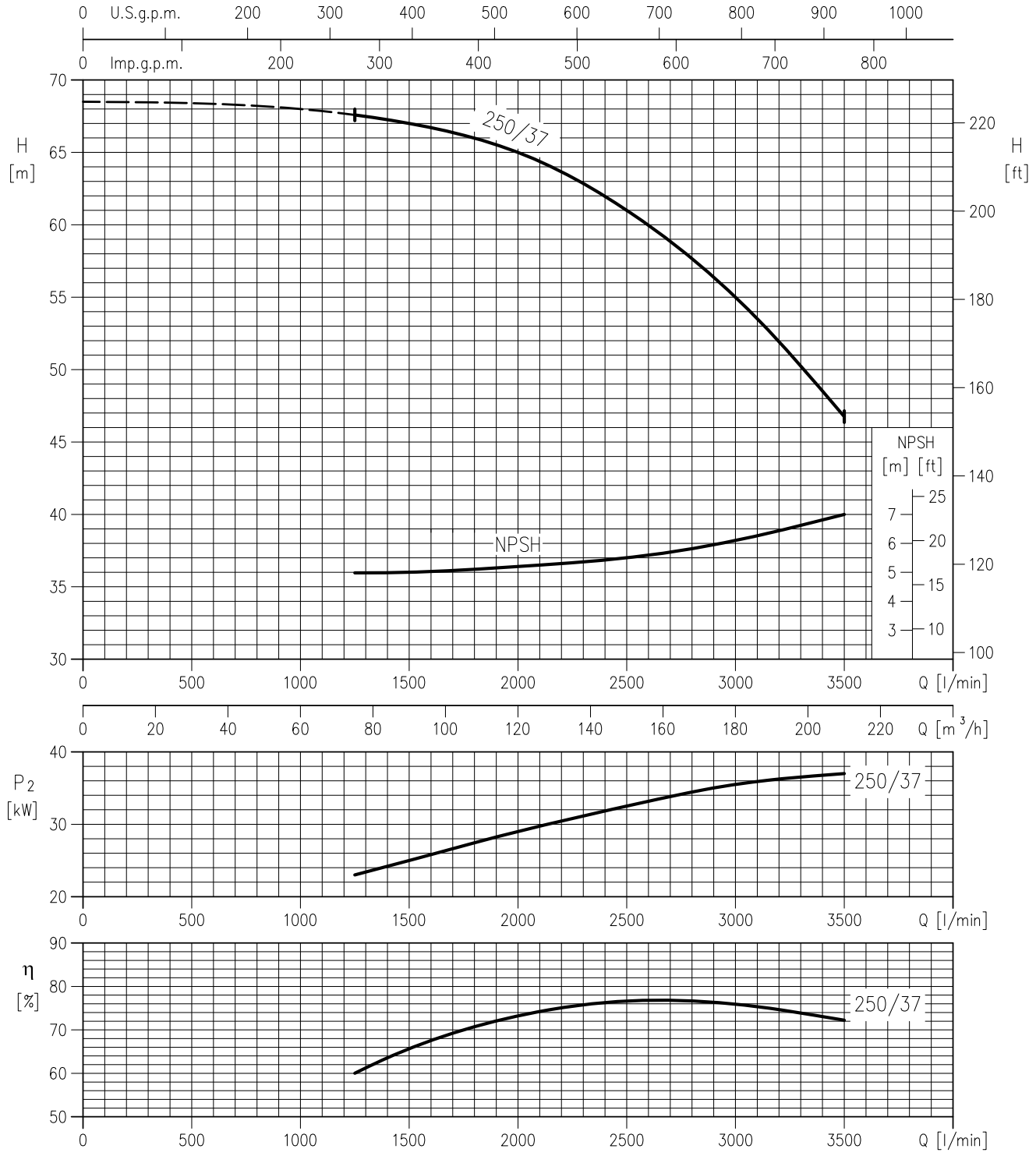


Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

PERFORMANCE CURVE 50Hz

Rev. 0

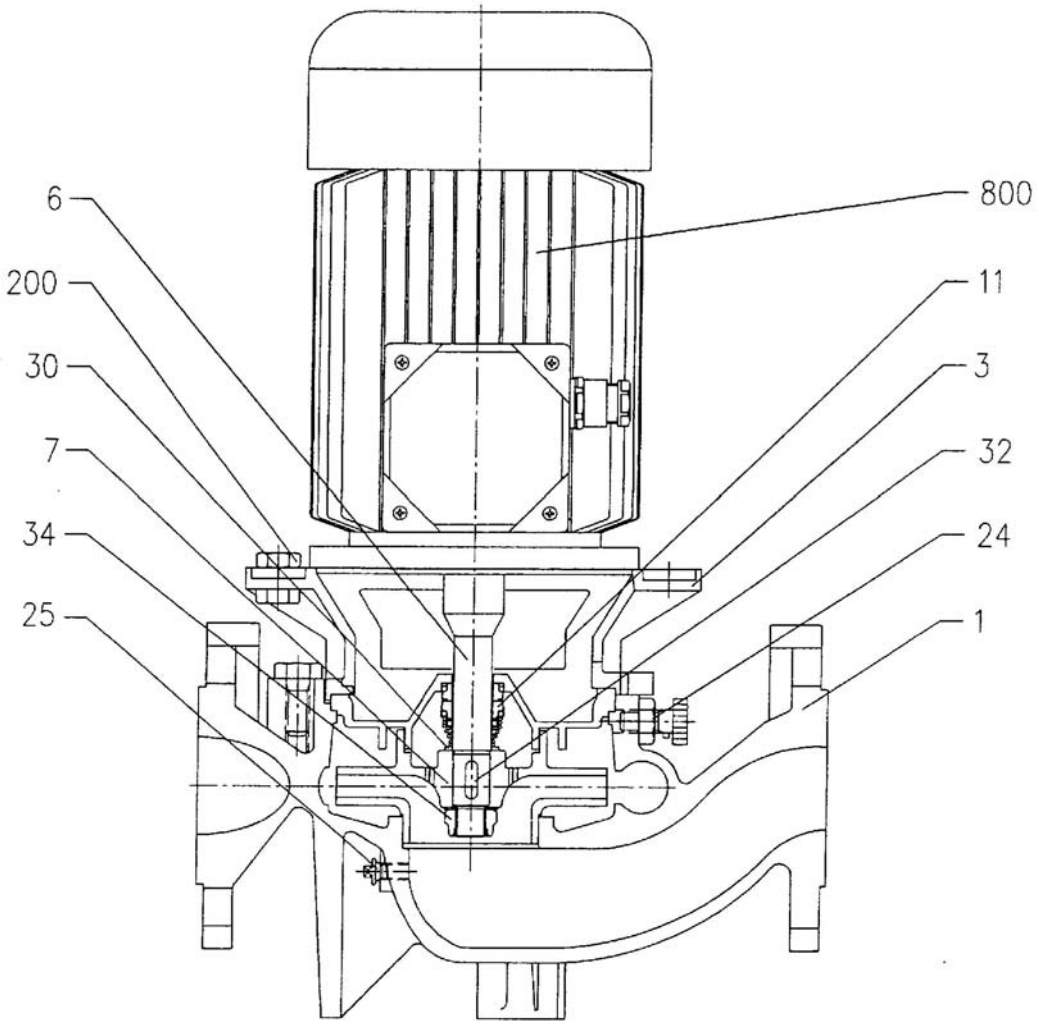
LPC 100-250/37 (37 kW) MEI > 0.10 - Impeller diameter = 250 mm



Rotation speed ≈ 2900 min^{-1}
Test standard: ISO 9906 – Annex A

SECTIONAL VIEW DRAWING

UP TO MEC 132

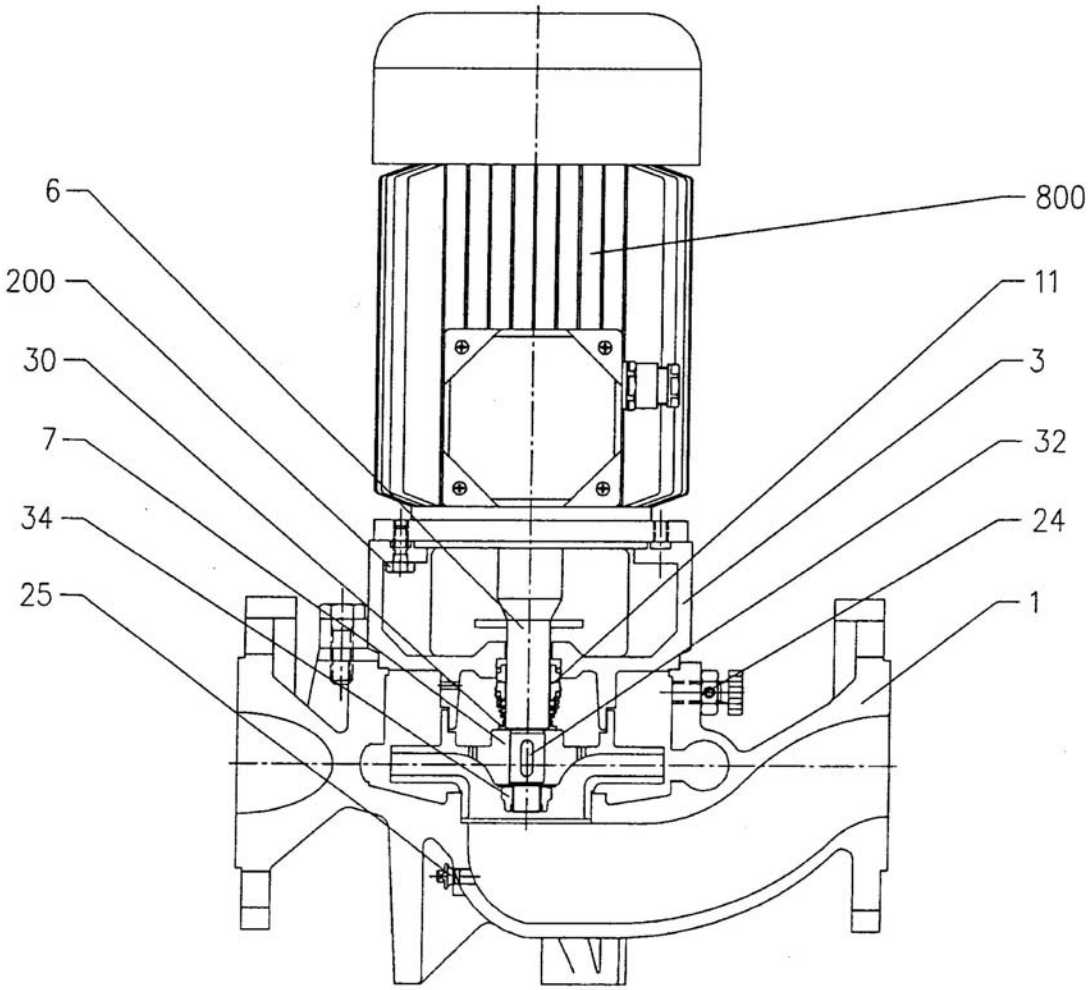


N°	PART NAME	MATERIAL
1	Casing	Cast Iron
3	Motor bracket	Cast Iron
6	Shaft with rotor	AISI
7	Impeller	Cast Iron
11	Mechanical seal [1]	Carbon/SiC/EPDM
24	Priming plug	Stainless Steel
25	Drain plug	Stainless Steel
30	Spacer	Stainless steel
32	Key	Stainless steel
34	Impeller nut	Stainless steel
200	Screw	Stainless steel
800	Motor frame with stator	Alluminum (up to MEC 132)

[1] Sic/Sic/NBR optional

SECTIONAL VIEW DRAWING

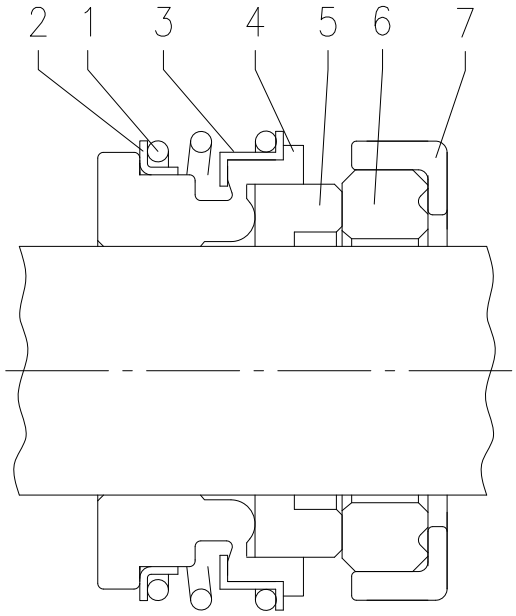
MEC 160 AND MORE POWERFUL



N°	PART NAME	MATERIAL
1	Casing	Cast Iron
3	Motor bracket	Cast Iron
6	Shaft with rotor	AISI
7	Impeller	Cast Iron
11	Mechanical seal [1]	Carbon/SiC/EPDM
24	Priming plug	Stainless Steel
25	Drain plug	Stainless Steel
30	Spacer	Stainless steel
32	Key	Stainless steel
34	Impeller nut	Stainless steel
200	Screw	Stainless steel
800	Motor frame with stator	Cast iron (MEC 160 and above)

[1] Sic/Sic/NBR optional

MECHANICAL SEAL

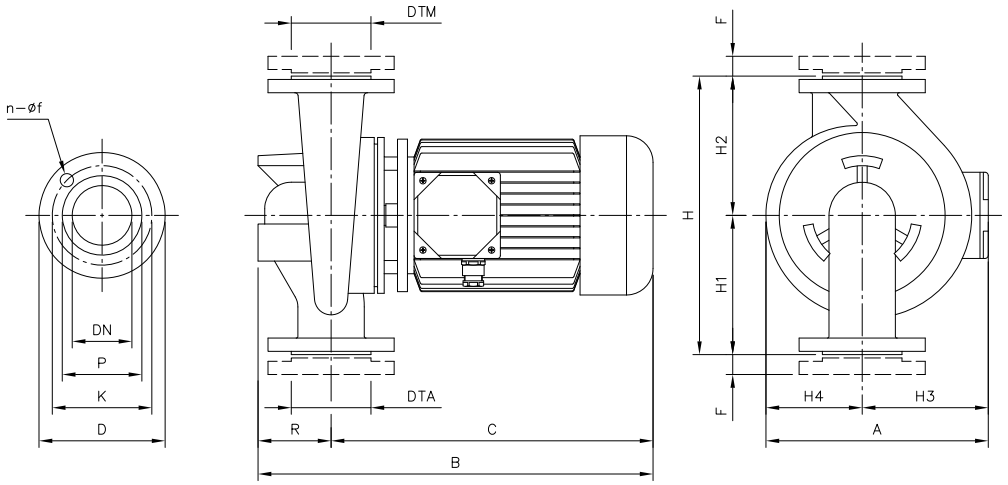


REF	PART NAME	MATERIAL	
		Standard version Max temperature: 90°C	Optional Max temperature: 110°C
1	Spring	AISI 316	AISI 316
2	O Ring	EPDM	NBR
3	Frame	AISI 316	AISI 316
4	O Ring	EPDM	NBR
5	Rotating part	Carbon	SiC
6	Fixed part	SiC	SiC
7	Rubber cover	EPDM	NBR

DIMENSIONS AND WEIGHT 50Hz

Rev. 0

PUMP LPC



three phase	Dimensions (mm)																	Weight (kgf)
	DTA/M	DNA/M	n	f	P	K	D	H	H1	H2	H3	H4	R	F	A	B	C	
LPC 32-100/0.37	G 1 1/4	32PN10	4	18	78	100	140	220	110	110	112	65	65	16	177	379	314	12
LPC 40-100/0.55	G 1 1/2	40PN10	4	18	88	110	150	260	140	120	112	77	90	16	189	407	317	16
LPC 40-100/0.75	G 1 1/2	40PN10	4	18	88	110	150	260	140	120	112	77	90	16	189	447	357	21
LPC 40-125/0.75	G 1 1/2	40PN16	4	18	88	110	150	300	160	140	139	93	100	20	232	469	369	29
LPC 40-125/1.1	G 1 1/2	40PN16	4	18	88	110	150	300	160	140	139	93	100	20	232	469	369	29
LPC 40-125/1.5	G 1 1/2	40PN16	4	18	88	110	150	300	160	140	139	93	100	20	232	514	414	32
LPC 40-160/2.2	G 1 1/2	40PN16	4	18	88	110	150	320	170	150	148	108	100	20	256	514	414	37
LPC 40-160/3R	G 1 1/2	40PN16	4	18	88	110	150	320	170	150	155	108	100	20	263	554	454	47
LPC 40-160/3.0	G 1 1/2	40PN16	4	18	88	110	150	320	170	150	155	108	100	20	263	554	454	49
LPC 40-200/4.0	G 1 1/2	40PN16	4	18	88	110	150	380	200	180	155	127	100	20	282	574	474	59
LPC 40-200/5.5	G 1 1/2	40PN16	4	18	88	110	150	380	200	180	171	127	100	20	298	614	514	71
LPC 40-200/7.5	G 1 1/2	40PN16	4	18	88	110	150	380	200	180	171	127	100	20	298	614	514	77
LPC 50-125/1.5	G 2	50PN16	4	18	102	125	165	322	182	140	139	103	110	22	242	524	414	34
LPC 50-125/2.2	G 2	50PN16	4	18	102	125	165	322	182	140	148	103	110	22	251	524	414	35
LPC 50-125/3.0	G 2	50PN16	4	18	102	125	165	322	182	140	155	103	110	22	258	564	454	44
LPC 50-160/3.0	G 2	50PN16	4	18	102	125	165	340	180	160	155	113	110	22	268	564	454	44
LPC 50-160/4.0	G 2	50PN16	4	18	102	125	165	340	180	160	155	113	110	22	268	584	474	51
LPC 50-200/5.5	G 2	50PN16	4	18	102	125	165	400	220	180	171	131	110	22	302	624	514	72
LPC 50-200/7.5R	G 2	50PN16	4	18	102	125	165	400	220	180	171	131	110	22	302	624	514	78
LPC 50-200/7.5	G 2	50PN16	4	18	102	125	165	400	220	180	171	131	110	22	302	624	514	78
LPC 65-125/2.2	G 2 1/2	65PN16	4	18	122	145	185	360	205	155	148	108	140	22	256	554	414	42
LPC 65-125/3.0	G 2 1/2	65PN16	4	18	122	145	185	360	205	155	155	108	140	22	263	594	454	51
LPC 65-125/4.0	G 2 1/2	65PN16	4	18	122	145	185	360	205	155	155	108	140	22	263	614	474	52
LPC 65-160/5.5	G 2 1/2	65PN16	4	18	122	145	185	400	220	180	171	122	140	22	293	654	514	70
LPC 65-160/7.5	G 2 1/2	65PN16	4	18	122	145	185	400	220	180	171	122	140	22	293	654	514	75
LPC 65-200/11	G 2 1/2	65PN16	4	18	122	145	185	440	240	200	198	136	140	22	334	774	634	121
LPC 65-200/15	G 2 1/2	65PN16	4	18	122	145	185	440	240	200	198	136	140	22	334	774	634	130
LPC 80-160/11	G 3	80PN16	4	18	138	160	200	440	240	200	171	131	160	24	302	674	514	79
LPC 80-160/15R	G 3	80PN16	4	18	138	160	200	440	240	200	198	131	160	24	329	814	654	123
LPC 80-160/15	G 3	80PN16	4	18	138	160	200	440	240	200	198	131	160	24	329	814	654	132
LPC 80-200/15	G 3	80PN16	4	18	138	160	200	500	275	225	198	146	160	24	344	814	654	136
LPC 80-200/18.5	G 3	80PN16	4	18	138	160	200	500	275	225	238	146	160	24	384	885	725	146
LPC 80-200/22	G 3	80PN16	4	18	138	160	200	500	275	225	238	146	160	24	384	915	755	155
LPC 100-160/11	G 4	100PN16	8	18	188	180	220	525	300	225	198	136	190	26	334	844	654	127
LPC 100-160/15R	G 4	100PN16	8	18	188	180	220	525	300	225	198	136	190	26	334	844	654	137
LPC 100-160/15	G 4	100PN16	8	18	188	180	220	525	300	225	198	136	190	26	334	844	654	136
LPC 100-200/18.5	G 4	100PN16	8	18	188	180	220	550	300	250	238	156	190	26	394	947	757	157
LPC 100-200/22	G 4	100PN16	8	18	188	180	220	550	300	250	238	156	190	26	394	977	787	166
LPC 100-200/30	G 4	100PN16	8	18	188	180	220	550	300	250	330	156	190	26	486	1056	866	311
LPC 100-200/37	G 4	100PN16	8	18	188	180	220	550	300	250	330	156	190	26	486	1056	866	363
LPC 100-250/37	G 4	100PN16	8	18	188	180	220	600	320	280	330	176	190	26	506	1056	866	370

MOTOR DATA

Pump type	Power		Efficiency	Efficiency (% Three phase η %			Input [kW]	Full load current [A]			Locked rotor current [A]		
Three Phase	[kW]	[HP]	Three Phase	50%	75%	100%		230 V	400 V	690 V	230 V	400 V	690 V
LPC 32-100/0,37	0,37	0,5	IE1	58,0	64,0	70,0	0,54	1,7	1,0	-	8,1	4,7	-
LCP 40-100/0,55	0,55	0,75	IE1	57,0	64,0	71,0	0,80	2,6	1,5	-	12,5	7,2	-
LPC 40-100/0,75	0,75	1,0	IE2	77,3	78,5	80,5	0,92	2,9	1,7	-	24,7	14,3	-
LPC 40-125/0,75	0,75	1,0	IE2	77,3	78,5	80,5	0,92	2,9	1,7	-	24,7	14,3	-
LPC 40-125/1,1	1,1	1,5	IE2	79,5	81,2	81,5	1,35	4,3	2,5	-	29,4	17,0	-
LPC 40-125/1,5	1,5	2,0	IE2	81,0	82,8	82,8	1,77	5,5	3,2	-	44,9	25,9	-
LPC 40-160/2,2	2,2	3,0	IE2	82,5	84,0	84,0	2,59	7,6	4,4	-	64,8	37,4	-
LPC 40-160/3R	3,0	4,0	IE2	84,1	85,8	85,5	3,43	10,2	5,9	-	81,8	47,2	-
LPC 40-160/3	3,0	4,0	IE2	84,1	85,8	85,5	3,43	10,2	5,9	-	81,8	47,2	-
LPC 40-200/4	4,0	5,5	IE2	85,5	87,0	86,8	4,63	13,2	7,6	-	140,8	81,3	-
LPC 40-200/5,5	5,5	7,5	IE2	86,0	88,0	87,9	6,29	-	10,2	5,9	-	87,7	50,6
LPC 40-200/7,5	7,5	10,0	IE2	86,3	88,6	88,4	8,51	-	13,8	7,9	-	122,8	70,9
LPC 50-125/1,5	1,5	2,0	IE2	81,0	82,8	82,8	1,77	5,5	3,2	-	44,9	25,9	-
LPC 50-125/2,2	2,2	3,0	IE2	82,5	84,0	84,0	2,59	7,6	4,4	-	64,8	37,4	-
LPC 50-125/3	3,0	4,0	IE2	84,1	85,8	85,5	3,43	10,2	5,9	-	81,8	47,2	-
LPC 50-160/3	3,0	4,0	IE2	84,1	85,8	85,5	3,43	10,2	5,9	-	81,8	47,2	-
LPC 50-160/4	4,0	5,5	IE2	85,5	87,0	86,8	4,63	13,2	7,6	-	140,8	81,3	-
LPC 50-200/5,5	5,5	7,5	IE2	86,0	88,0	87,9	6,29	-	10,2	5,9	-	87,7	50,6
LPC 50-200/7,5R	7,5	10,0	IE2	86,3	88,6	88,4	8,51	-	13,8	7,9	-	122,8	70,9
LPC 50-200/7,5	7,5	10,0	IE2	86,3	88,6	88,4	8,51	-	13,8	7,9	-	122,8	70,9
LPC 65-125/2,2	2,2	3,0	IE2	82,5	84,0	84,0	2,59	7,6	4,4	-	64,8	37,4	-
LPC 65-125/3	3,0	4,0	IE2	84,1	85,8	85,5	3,43	10,2	5,9	-	81,8	47,2	-
LPC 65-125/4	4,0	5,5	IE2	85,5	87,0	86,8	4,63	13,2	7,6	-	140,8	81,3	-
LPC 65-160/5,5	5,5	7,5	IE2	86,0	88,0	87,9	6,29	-	10,2	5,9	-	87,7	50,6
LPC 65-160/7,5	7,5	10,0	IE2	86,3	88,6	88,4	8,51	-	13,8	7,9	-	122,8	70,9
LPC 65-200/11	11,0	15,0	IE2	88,9	90,2	90,0	12,29	-	20,4	11,8	-	189,7	109,5
LPC 65-200/15	15,0	20,0	IE2	90,0	91,0	90,8	16,58	-	27,2	15,7	-	206,7	119,3
LPC 80-160/11	11,0	15,0	IE2	88,9	90,2	90,0	12,29	-	20,4	11,8	-	189,7	109,5
LPC 80-160/15R	15,0	20,0	IE2	90,0	91,0	90,8	16,58	-	27,2	15,7	-	206,7	119,3
LPC 80-160/15	15,0	20,0	IE2	90,0	91,0	90,8	16,58	-	27,2	15,7	-	206,7	119,3
LPC 80-200/15	15,0	20,0	IE2	90,0	91,0	90,8	16,58	-	27,2	15,7	-	206,7	119,3
LPC 80-200/18,5	18,5	25,0	IE2	90,3	91,6	91,2	20,30	-	33,3	19,2	-	263,1	152,0
LPC 80-200/22	22,0	30,0	IE2	90,9	91,8	91,4	24,07		39,0	22,5		292,8	169,0
LPC 100-160/11	11,0	15,0	IE2	88,9	90,2	90,0	12,29	-	20,4	11,8	-	189,7	109,5
LPC 100-160/15R	15,0	20,0	IE2	90,0	91,0	90,8	16,58	-	27,2	15,7	-	206,7	119,3
LPC 100-160/15	15,0	20,0	IE2	90,0	91,0	90,8	16,58	-	27,2	15,7	-	206,7	119,3
LPC 100-200/18,5	18,5	25,0	IE2	90,3	91,6	91,2	20,30	-	33,3	19,2	-	263,1	152,0
LPC 100-200/22	22,0	30,0	IE2	90,9	91,8	91,4	24,07		39,0	22,5		292,8	169,0
LPC 100-200/30	30,0	40,0	IE2	91,3	92,3	92,4	32,49		53,3	30,8		357,1	206,2
LPC 100-200/37	37,0	50,0	IE2	91,6	92,9	92,8	39,91		64,0	36,9		403,2	232,8
LPC 100-250/37	37,0	50,0	IE2	91,6	92,9	92,8	39,91		64,0	36,9		403,2	232,8

NOISE DATA

Pump type Three Phase	Power [kW]	Power [HP]	L_{pA} - dB(A) *
LPC 32-100/0,37	0,37	0,5	<70
LCP 40-100/0,55	0,55	0,75	
LPC 40-100/0,75	0,75	1	
LPC 40-125/0,75	0,75	1	
LPC 40-125/1,1	1,1	1,5	
LPC 40-125/1,5	1,5	2	
LPC 40-160/2,2	2,2	3	
LPC 40-160/3R	3	4	72
LPC 40-160/3	3	4	
LPC 40-200/4	4	5,5	78
LPC 40-200/5,5	5,5	7,5	
LPC 40-200/7,5	7,5	10	80
LPC 50-125/1,5	1,5	2	<70
LPC 50-125/2,2	2,2	3	
LPC 50-125/3	3	4	72
LPC 50-160/3	3	4	
LPC 50-160/4	4	5,5	78
LPC 50-200/5,5	5,5	7,5	
LPC 50-200/7,5R	7,5	10	80
LPC 50-200/7,5	7,5	10	
LPC 65-125/2,2	2,2	3	<70
LPC 65-125/3	3	4	72
LPC 65-125/4	4	5,5	78
LPC 65-160/5,5	5,5	7,5	
LPC 65-160/7,5	7,5	10	80
LPC 65-200/11	10	13,6	
LPC 65-200/15	12,5	17	
LPC 80-160/11	10	13,6	
LPC 80-160/15R	12,5	17	
LPC 80-160/15	15	20	
LPC 80-200/15	20	15	
LPC 80-200/18,5	18,5	25	81
LPC 80-200/22	22	30	
LPC 100-160/11	10	13,6	80
LPC 100-160/15R	12,5	17	
LPC 100-160/15	15	20	
LPC 100-200/18,5	18,5	25	81
LPC 100-200/22	22	30	
LPC 100-200/30	30	40	83
LPC 100-200/37	37	55	
LPC 100-250/37	37	55	

* Mean value of several measures at 1m distance around the pump.
Tollerance ± 2.5 dB.