EBARA

TECHNICAL DATA BOOK

50/60Hz

EBARA END SUCTION VOLUTE PUMP MODEL GSS

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PERFORMANCE CURVES

BUILDING

- **Air conditioning-District heating & cooling**

  General water supply

  Brine (antifreeze liquid)

  Hot water circulation

  High boost pressure

WATER SUPPLY

- **Water supply duties for municipalities**
- **Irrigation**
- **Drainage clean water**
- **Fire protection**
- **Swimming pool**

GENERAL INDUSTRY

- **Semiconductor industry**

  Pure water

- **Food industry**

  General water (Cooling water, Recycling water, Filtered water)

  CIP (Cleaning in Place)

- **Pulp and Paper industry**

  White water (below pulp conc.of 0.3%)

- **Automobile industry**

  Water (without slurry)

  Detergent (without slurry)

- **Steel industry, Non-ferrous metals industry**

  Coolant

  Cooling water

- **Garbage incineration**

  Cooling water

  Deaerator , Condensate water

OTHERS

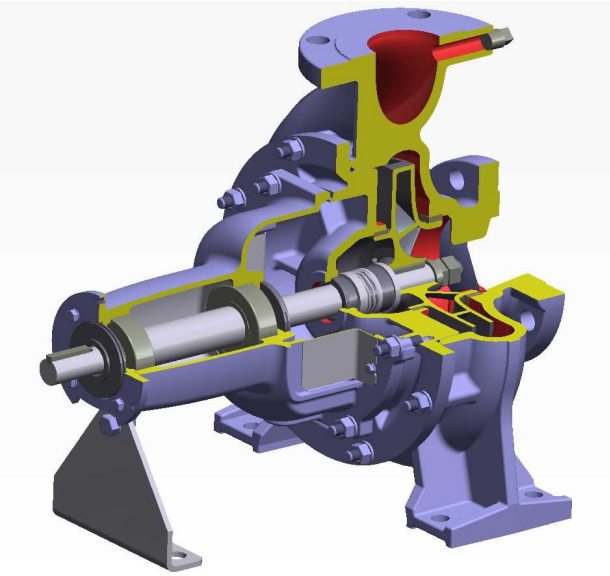
Seawater

Brackish water

Oils

Other chemical

Product Features



Energy-saving Design

- World top class pump efficiency achieved.
- Major improvement over our previous models by impeller designed using our proprietary 3D inverse design technology.
- Higher efficiency means lower energy consumption and motor output, and more compact size.

Simple Maintenance

- Back pull-out structure enables disassembly and inspection without removal of suction and discharge piping.
- Shield bearings eliminate need for adding or exchanging lubricating oil.
- Shaft seal flushing and quenching piping not required for the standard application.
- Air-bleeding not required.
- Simplified bearings and shaft seal enable easy assembly.

Pump Specifications

- Maximum operating pressure: 16 bar
- Liquid temperature range expansion : -25℃ to 140℃
- Compatible with multiple flange standards.
- Able to meet customer specifications with many combinations of shaft seals and materials.

International Standards

- Pump dimensions adopt EN733
- Mechanical seal adopts EN12756
- Protector fitted in accordance with EN294.

Capacities	To 1200 m3/hr (50Hz)
	To 870 m3/hr (60Hz)
Heads	To 160 m (50Hz)
	To 140 m (60Hz)
Liquid temperatures	-25℃ to 140℃
Max.working pressures	Up to 16Bar (1.6MPa)
Materials (*1)	Casing: 304 Stainless Steel , 316 Stainless Steel Impeller: 304 Stainless Steel , 316 Stainless Steel
Standards	EN733
Rotation	Clockwise viewed from coupling end

(*1) Duplex stainless steel can also be selected as an option.

FEATURES

- Horizontal foot mounting
- Back pull-out design
- Single-stage
- Radially split volute casing

APPLICABLE FLANGE STANDARD

- EN PN16
- JIS 10K

IMPELLER TYPE

- Closed, single suction type and balancing holes to reduce axial thrust

SHAFT SEAL

- Gland packing
- Single mechanical seal based upon DIN24960 (Conical type)
- Single mechanical seal (Cylindrical type)
- Double mechanical seal (Cylindrical type)

BEARINGS AND LUBRICATION

- Shield ball bearing (Grease lubrication)

PAINTING

1. Outer Surface

・Standard up to 140℃ for Casing and Casing Cover

Primer coating	Non painting
Final coating	Non painting
Finish color	Non painting

・Standard for Bearing Housing , Bearing Cover and Stay

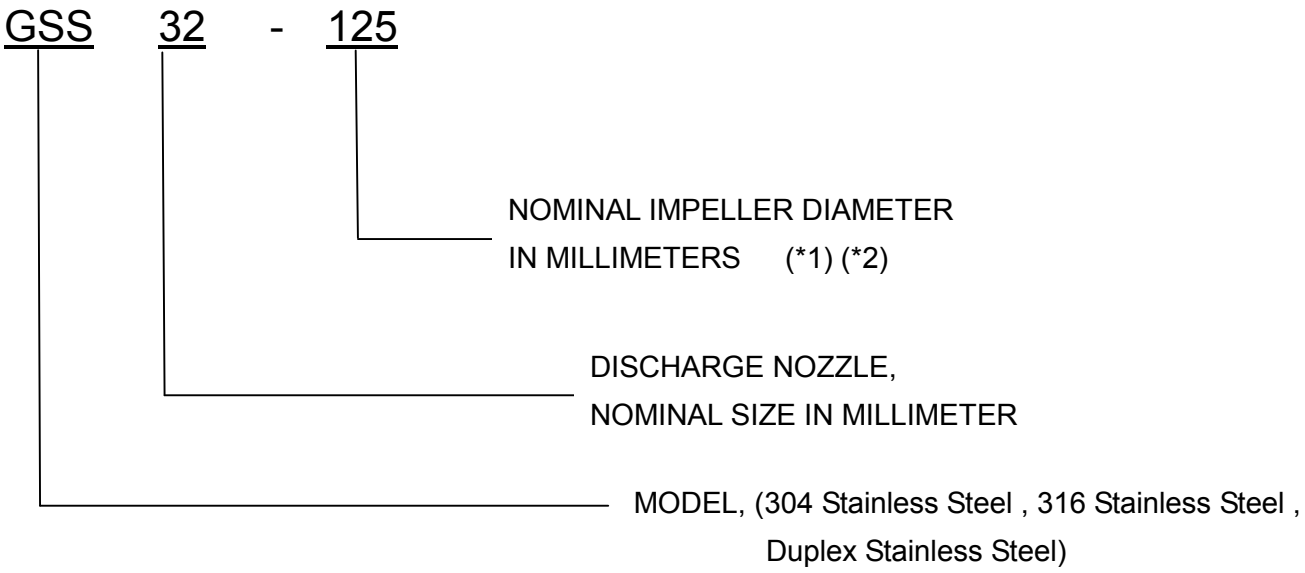
Primer coating	Epoxy based painting (Cationic electro-deposition; Cation)
Final coating	Alkyd resin based enamel
Finish color	Munsell 2.5PB4/2 (Dark gray)

2. Inner Surface

・Standard up to 140℃

Primer coating	Non painting
Final coating	Non painting
Finish color	Non painting

The following designation is system according to EN733.



(*1) The letter “L” following the impeller classification code indicates different bearing designs. To give an example, GSS80-315 and GSS80-315L have different bearing designs and shaft size.

(*2) The letter “.1” following the impeller classification code indicates different casing and impeller designs. To give an example, GSS32-125 and GSS32-125.1 have different casing and impeller designs from one another.

SPECIFICATION - Applicable Model

● : Applicable

Model	Shaft No.	50Hz		60Hz		Remarks
		2900 mim^{-1} (2 Pole)	1450 mim^{-1} (4 Pole)	3500 mim^{-1} (2 Pole)	1750 mim^{-1} (4 Pole)	
GSS32-125.1	230	●	●	●	●	different hydraulic design each other
GSS32-125	230	●	●	●	●	
GSS32-160.1	230	●	●	●	●	different hydraulic design each other
GSS32-160	230	●	●	●	●	
GSS32-200.1	230	●	●	●	●	different hydraulic design each other
GSS32-200	230	●	●	●	●	
GSS32-250	230	●	●	●	●	
GSS40-125	230	●	●	●	●	
GSS40-160	230	●	●	●	●	
GSS40-200	230	●	●	●	●	
GSS40-250	230	●	●	●	●	
GSS50-125	230	●	●	●	●	
GSS50-160	230	●	●	●	●	
GSS50-200	230	●	●	●	●	
GSS50-250	230	●	●	●	●	
GSS50-315	240	●	●	—	●	
GSS65-125	230	●	●	●	●	
GSS65-160	230	●	●	●	●	
GSS65-200	230	●	●	●	●	
GSS65-250	240	●	●	●	●	
GSS65-315	240	●	●	—	●	
GSS80-160	230	●	●	●	●	
GSS80-200	240	●	●	●	●	
GSS80-250	240	●	●	●	●	
GSS80-315	240	—	●	—	●	same hydraulic design and different shaft no. each other
GSS80-315L	250	●	—	—	—	
GSS80-400	250	—	●	—	●	
GSS100-160	240	●	●	●	●	
GSS100-200	240	●	●	●	●	
GSS100-250	240	●	●	—	●	same hydraulic design and different shaft no. each other
GSS100-250 L	250	—	—	●	—	
GSS100-315	240	—	●	—	●	same hydraulic design and different shaft no. each other
GSS100-315 L	250	●	—	—	—	
GSS100-400	250	—	●	—	●	
GSS125-200	240	●	●	●	●	
GSS125-250	240	—	●	—	●	same hydraulic design and different shaft no. each other
GSS125-250 L	250	●	—	●	—	
GSS125-315	250	●	●	—	●	
GSS125-400	250	—	●	—	●	
GSS125-500	260	—	●	—	●	
GSS150-200	240	●	●	●	●	
GSS150-250	250	●	●	—	●	
GSS150-315	250	—	●	—	●	
GSS150-400	250	—	●	—	—	same hydraulic design and different shaft no. each other
GSS150-400 L	260	—	—	—	●	
GSS150-500	270	—	●	—	●	

TECHNICAL DATA – Impeller Diameter

— Not applicable Model Unit : mm

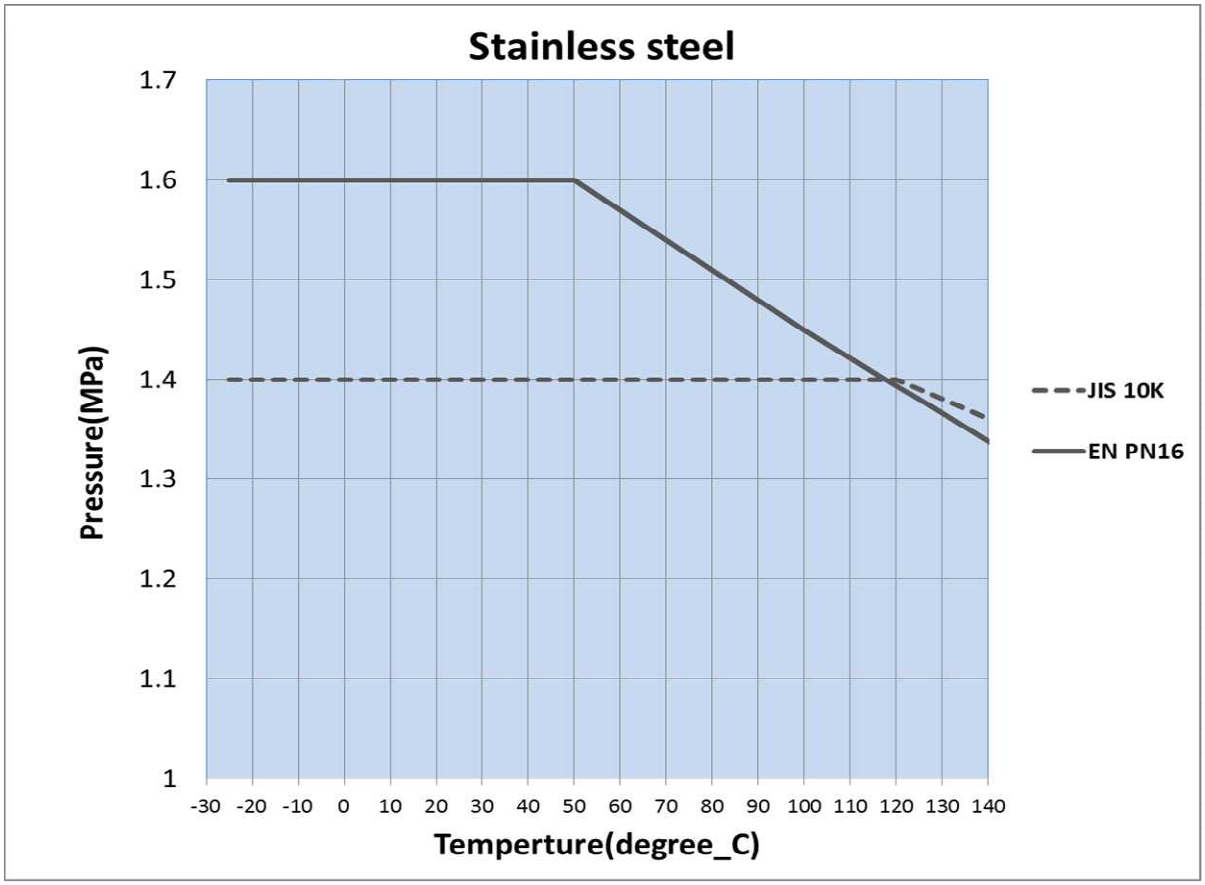
Model	Shaft No.	50Hz				60Hz			
		2P		4P		2P		4P	
		Max	Min	Max	Min	Max	Min	Max	Min
GSS32-125.1	230	140	100	140	100	140	100	140	100
GSS32-125	230	142	106	142	106	142	106	142	106
GSS32-160.1	230	177	126	177	126	177	126	177	126
GSS32-160	230	177	139	177	139	177	139	177	139
GSS32-200.1	230	207	172	207	172	207	172	207	172
GSS32-200	230	219	177	219	177	219	177	219	177
GSS32-250	230	262	198	262	198	262	198	262	198
GSS40-125	230	142	105	142	105	142	105	142	105
GSS40-160	230	177	134	177	134	177	134	177	134
GSS40-200	230	219	172	219	172	219	172	219	172
GSS40-250	230	260	211	260	211	260	211	260	211
GSS50-125	230	144	111	144	111	144	111	144	111
GSS50-160	230	177	131	177	131	177	131	177	131
GSS50-200	230	219	171	219	171	219	171	219	171
GSS50-250	230	270	211	270	211	246	211	270	211
GSS50-315	240	344	271	344	271	—	—	344	271
GSS65-125	230	147	120	147	120	147	120	147	120
GSS65-160	230	177	135	177	135	177	135	177	135
GSS65-200	230	219	162	219	162	216	162	219	162
GSS65-250	240	273	215	273	215	273	215	273	215
GSS65-315	240	320	261	320	261	—	—	320	261
GSS80-160	230	177	147/127	177	147/127	177	147/127	177	147/127
GSS80-200	240	222/212	170/159.2	222/212	170/159.2	222/212	170/159.2	222/212	170/159.2
GSS80-250	240	270	220	270	220	250	220	270	220
GSS80-315	240	—	—	334	265	—	—	334	265
GSS80-315L	250	334	265	—	—	—	—	—	—
GSS80-400	250	—	—	438	335	—	—	438	335
GSS100-160	240	183	149	183	149	183	149	183	149
GSS100-200	240	220	171	220	171	220	171	220	171
GSS100-250	240	265	210	270	210	—	—	270	210
GSS100-250L	250	—	—	—	—	270	210	—	—
GSS100-315	240	—	—	312	242	—	—	312	242
GSS100-315L	250	312	242	—	—	—	—	—	—
GSS100-400	250	—	—	412	320	—	—	412	320
GSS125-200	240	224	174	224	174	201	174	221	174
GSS125-250	240	—	—	274	213	—	—	274	213
GSS125-250L	250	274	213	—	—	242	200	—	—
GSS125-315	250	309	259	334	259	—	—	334	259
GSS125-400	250	—	—	424	329	—	—	424	329
GSS125-500	260	—	—	511	396	—	—	511	396
GSS150-200	240	224/196.5	181/145.3	224/196.5	181/145.3	213/184.2	181/145.3	224/196.5	181/145.3
GSS150-250	250	250	213	274	213	—	—	274	213
GSS150-315	250	—	—	352	273	—	—	352	273
GSS150-400	250	—	—	411	319	—	—	—	—
GSS150-400L	260	—	—	—	—	—	—	411	319
GSS150-500	270	—	—	511	396	—	—	511	396

TECHNICAL DATA – Shaft No. and Shaft Diameter

Model	Shaft No.	At Coupling (mm)	At Radial Bearing (mm)	At Thrust Bearing (mm)	Under Shaft Sleeve (mm)	Sleeve Dia. (For Gland packing) (mm)
GSS32-125.1	230	24	30	30	28	33
GSS32-125	230	24	30	30	28	33
GSS32-160.1	230	24	30	30	28	33
GSS32-160	230	24	30	30	28	33
GSS32-200.1	230	24	30	30	28	33
GSS32-200	230	24	30	30	28	33
GSS32-250	230	24	30	30	28	33
GSS40-125	230	24	30	30	28	33
GSS40-160	230	24	30	30	28	33
GSS40-200	230	24	30	30	28	33
GSS40-250	230	24	30	30	28	33
GSS50-125	230	24	30	30	28	33
GSS50-160	230	24	30	30	28	33
GSS50-200	230	24	30	30	28	33
GSS50-250	230	24	30	30	28	33
GSS50-315	240	32	40	40	38	43
GSS65-125	230	24	30	30	28	33
GSS65-160	230	24	30	30	28	33
GSS65-200	230	24	30	30	28	33
GSS65-250	240	32	40	40	38	43
GSS65-315	240	32	40	40	38	43
GSS80-160	230	24	30	30	28	33
GSS80-200	240	32	40	40	38	43
GSS80-250	240	32	40	40	38	43
GSS80-315	240	32	40	40	38	43
GSS80-315L	250	42	50	50	48	53
GSS80-400	250	42	50	50	48	53
GSS100-160	240	32	40	40	38	43
GSS100-200	240	32	40	40	38	43
GSS100-250	240	32	40	40	38	43
GSS100-250L	250	42	50	50	48	53
GSS100-315	240	32	40	40	38	43
GSS100-315L	250	42	50	50	48	53
GSS100-400	250	42	50	50	48	53
GSS125-200	240	32	40	40	38	43
GSS125-250	240	32	40	40	38	43
GSS125-250L	250	42	50	50	48	53
GSS125-315	250	42	50	50	48	53
GSS125-400	250	42	50	50	48	53
GSS125-500	260	48	60	60	55	60
GSS150-200	240	32	40	40	38	43
GSS150-250	250	42	50	50	48	53
GSS150-315	250	42	50	50	48	53
GSS150-400	250	42	50	50	48	53
GSS150-400L	260	48	60	60	55	60
GSS150-500	270	60	70	70	65	70

1. Maximum Allowable Working Pressure (MAWP)

Pressure casing material	Liquid temperature	Max. allowable working pressures	Flange standard
Stainless Steel	-25℃ to 140℃	16 bar (1.6MPa)	EN PN16
		14bar (1.4MPa)	JIS 10K



2. Maximum Allowable Suction Pressure (MASP)

(1) Mechanical Seal Application

Maximum Allowable Suction Pressure (MASP) must be smaller than the difference between the Maximum Allowable Working Pressure (MAWP) and Pump Shut-off Pressure (PSP), as follows. However, MASP shall not exceed 16 bar.

MASP < MAWP — PSP

[PSP(in bar) = 0.098 x Pump Shut-off Head(in m) x Liquid Density(in kg/ℓ)]

(2) Gland Packing Application

Maximum Allowable Suction Pressure (MASP) of Gland Packing application is **6 bar** as standard.

Interchangeability Chart

Model	Shaft No.	Impeller (*1)	Ball Bearing	Deflector	Case Wear Ring (Casing)	Case Wear Ring (Casing cover)	O Ring (for casing)	For Mechanical seal: Mechanical Seal	For Gland packing: Shaft Sleeve	For Gland packing: Sleeve Gasket	For Gland packing: Gland Packing
GSS32-125.1	230	Depends on each model	A	A	A	A	A	A	A	A	A
GSS32-125	230		A	A	A	A	A	A	A	A	A
GSS32-160.1	230		A	A	A	A	A	A	A	A	A
GSS32-160	230		A	A	A	A	A	A	A	A	A
GSS32-200.1	230		A	A	A	A	B	A	A	A	A
GSS32-200	230		A	A	A	A	B	A	A	A	A
GSS32-250	230		A	A	A	A	C	A	A	A	A
GSS40-125	230		A	A	B	B	A	A	A	A	A
GSS40-160	230		A	A	B	B	A	A	A	A	A
GSS40-200	230		A	A	B	B	B	A	A	A	A
GSS40-250	230		A	A	B	B	C	A	A	A	A
GSS50-125	230		A	A	C	C	A	A	A	A	A
GSS50-160	230		A	A	C	C	A	A	A	A	A
GSS50-200	230		A	A	C	C	B	A	A	A	A
GSS50-250	230		A	A	C	C	C	A	A	A	A
GSS50-315	240		B	B	D	D	D	B	B	B	B
GSS65-125	230		A	A	D	D	A	A	A	A	A
GSS65-160	230		A	A	D	D	A	A	A	A	A
GSS65-200	230		A	A	D	D	B	A	A	A	A
GSS65-250	240		B	B	D	D	C	B	B	B	B
GSS65-315	240		B	B	E	E	D	B	B	B	B
GSS80-160	230		A	A	E	E	A	A	A	A	A
GSS80-200	240		B	B	E	E	B	B	B	B	B
GSS80-250	240		B	B	F	F	C	B	B	B	B
GSS80-315	240		B	B	F	F	D	B	B	B	B
GSS80-315L	250		C	C	F	F	D	C	C	C	C
GSS80-400	250		C	C	F	F	E	C	C	C	C
GSS100-160	240		B	B	F	G	A	B	B	B	B
GSS100-200	240		B	B	H	H	B	B	B	B	B
GSS100-250	240		B	B	H	H	C	B	B	B	B
GSS100-250L	250		C	C	H	H	C	C	C	C	C
GSS100-315	240		B	B	H	I	D	B	B	B	B
GSS100-315L	250		C	C	H	I	D	C	C	C	C
GSS100-400	250		C	C	J	J	E	C	C	C	C
GSS125-200	240		B	B	J	H	B	B	B	B	B
GSS125-250	240		B	B	K	J	C	B	B	B	B
GSS125-250L	250		C	C	K	K	C	C	C	C	C
GSS125-315	250		C	C	L	K	D	C	C	C	C
GSS125-400	250		C	C	L	L	E	C	C	C	C
GSS125-500	260		D	D	M	M	F	D	D	D	D
GSS150-200	240		B	B	K	I	B	B	B	B	B
GSS150-250	250		C	C	N	N	C	C	C	C	C
GSS150-315	250		C	C	N	N	D	C	C	C	C
GSS150-400	250		C	C	O	O	E	C	C	C	C
GSS150-400L	260		D	D	O	O	E	D	D	D	D
GSS150-500	270		E	E	P	P	F	E	E	E	E

Note: Materials of every parts should be specified by the section of "Materials of Construction".
The same letters in the same vertical column are interchangeable.

The number of recommended spare parts

Parts name	Qty per 1 unit	Spare for 1 year	Spare for 2 years	Remarks
		N	N	
Impeller	1	-	1	
Case Wear Ring (Casing)	1	1	2	
Case Wear Ring (Cover)	1	1	2	
O Ring	1	1	2	
Ball bearing	2	1	2	
Mechanical Seal	1	1set	2sets	*1
Gland Packing	1	1set	2sets	*2
Shaft Sleeve	1	1	2	*2
Sleeve Gasket	1	1	2	*2
Coupling rubber	1	1	2	

*1 For mechanical seal type
*2 For gland packing type

TECHNICAL DATA – Nominal Dimension of Parts

						For Gland Packing	
Model	Shaft No.	Case Wear Ring (front side)	Case Wear Ring (back side)	O Ring (for casing)	Ball Bearing	Gland Packing	Sleeve Gasket
GSS32-125.1	230	76	76	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS32-125	230	76	76	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS32-160.1	230	76	76	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS32-160	230	76	76	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS32-200.1	230	76	76	3.53X234.54	6306ZZ	33X49X8	24X28X1
GSS32-200	230	76	76	3.53X234.54	6306ZZ	33X49X8	24X28X1
GSS32-250	230	76	76	3.53X278.99	6306ZZ	33X49X8	24X28X1
GSS40-125	230	88	88	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS40-160	230	88	88	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS40-200	230	88	88	3.53X234.54	6306ZZ	33X49X8	24X28X1
GSS40-250	230	88	88	3.53X278.99	6306ZZ	33X49X8	24X28X1
GSS50-125	230	100	100	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS50-160	230	100	100	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS50-200	230	100	100	3.53X234.54	6306ZZ	33X49X8	24X28X1
GSS50-250	230	100	100	3.53X278.99	6306ZZ	33X49X8	24X28X1
GSS50-315	240	116	116	3.53X355.19	6308ZZ	43X63X10	32X38X1
GSS65-125	230	116	116	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS65-160	230	116	116	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS65-200	230	116	116	3.53X234.54	6306ZZ	33X49X8	24X28X1
GSS65-250	240	116	116	3.53X278.99	6308ZZ	43X63X10	32X38X1
GSS65-315	240	132	132	3.53X355.19	6308ZZ	43X63X10	32X38X1
GSS80-160	230	132	132	3.53X183.74	6306ZZ	33X49X8	24X28X1
GSS80-200	240	132	132	3.53X234.54	6308ZZ	43X63X10	32X38X1
GSS80-250	240	148	148	3.53X278.99	6308ZZ	43X63X10	32X38X1
GSS80-315	240	148	148	3.53X355.19	6308ZZ	43X63X10	32X38X1
GSS80-315L	250	148	148	3.53X355.19	6310ZZ	53X73X10	42X48X1
GSS80-400	250	148	148	5.33X456.06	6310ZZ	53X73X10	42X48X1
GSS100-160	240	148	153	3.53X183.74	6308ZZ	43X63X10	32X38X1
GSS100-200	240	158	158	3.53X234.54	6308ZZ	43X63X10	32X38X1
GSS100-250	240	158	158	3.53X278.99	6308ZZ	43X63X10	32X38X1
GSS100-250 L	250	158	158	3.53X278.99	6310ZZ	53X73X10	42X48X1
GSS100-315	240	158	162	3.53X355.19	6308ZZ	43X63X10	32X38X1
GSS100-315 L	250	158	162	3.53X355.19	6310ZZ	53X73X10	42X48X1
GSS100-400	250	168	168	5.33X456.06	6310ZZ	53X73X10	42X48X1
GSS125-200	240	168	158	3.53X234.54	6308ZZ	43X63X10	32X38X1
GSS125-250	240	178	168	3.53X278.99	6308ZZ	43X63X10	32X38X1
GSS125-250 L	250	178	178	3.53X278.99	6310ZZ	53X73X10	42X48X1
GSS125-315	250	188	178	3.53X355.19	6310ZZ	53X73X10	42X48X1
GSS125-400	250	188	188	5.33X456.06	6310ZZ	53X73X10	42X48X1
GSS125-500	260	200	200	5.33X532.26	6312ZZ	60X85X12.5	48X55X1
GSS150-200	240	178	162	3.53X234.54	6308ZZ	43X63X10	32X38X1
GSS150-250	250	212	212	3.53X278.99	6310ZZ	53X73X10	42X48X1
GSS150-315	250	212	212	3.53X355.19	6310ZZ	53X73X10	42X48X1
GSS150-400	250	236	236	5.33X456.06	6310ZZ	53X73X10	42X48X1
GSS150-400 L	260	236	236	5.33X456.06	6312ZZ	60X85X12.5	48X55X1
GSS150-500	270	250	250	5.33X532.26	6314ZZ	70X95X12.5	60X65X1

Note: Materials of every parts should be specified by the section of "Materials of Construction".

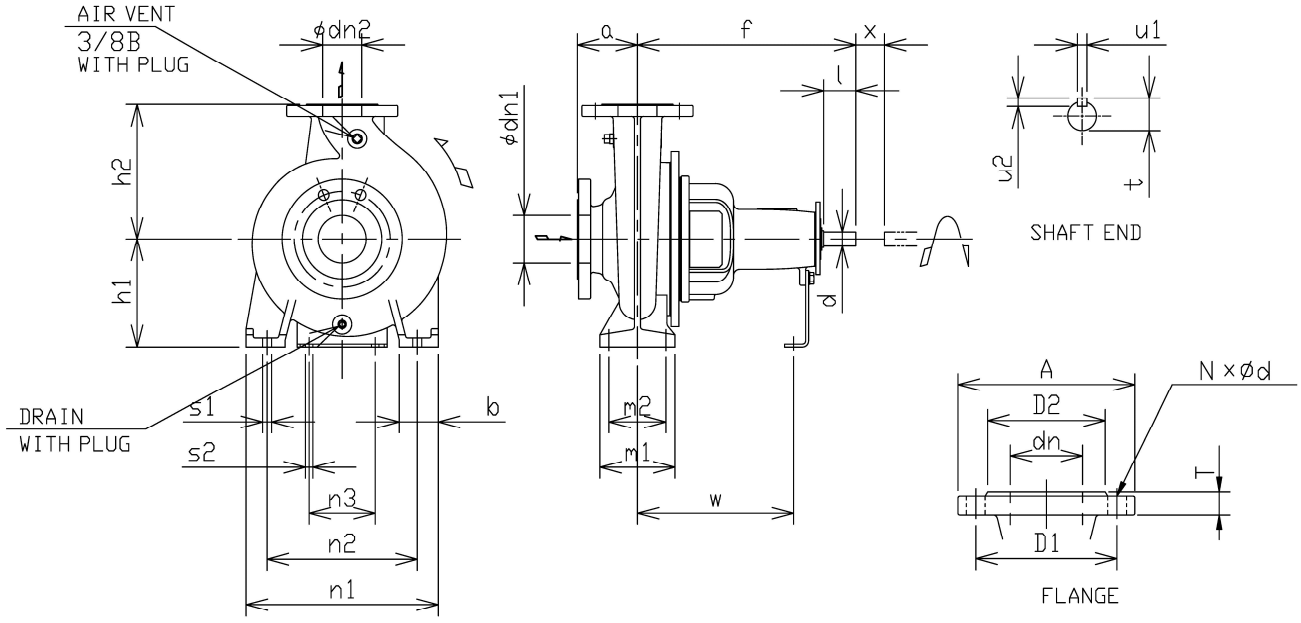
Figures in above chart show nominal parts size.

TECHNICAL DATA – Noise Data

Model	50Hz		60Hz	
	2900 mim^{-1} (2 Pole)	1450 mim^{-1} (4 Pole)	3500 mim^{-1} (2 Pole)	1750 mim^{-1} (4 Pole)
	Overall Sound Pressure Level dB(A)			
GSS32-125.1	62	52	66	54
GSS32-125	64	52	68	54
GSS32-160.1	66	54	70	58
GSS32-160	68	54	72	58
GSS32-200.1	68	54	72	58
GSS32-200	72	58	74	62
GSS32-250	73	62	76	65
GSS40-125	66	54	70	58
GSS40-160	70	58	73	62
GSS40-200	73	62	77	65
GSS40-250	76	63	80	67
GSS50-125	70	54	72	58
GSS50-160	72	58	76	63
GSS50-200	76	63	78	67
GSS50-250	78	67	80	69
GSS50-315	83	71	–	73
GSS65-125	70	58	74	62
GSS65-160	74	62	77	65
GSS65-200	77	65	80	69
GSS65-250	81	69	84	71
GSS65-315	85	72	–	74
GSS80-160	76	63	80	67
GSS80-200	81	69	83	71
GSS80-250	84	71	85	73
GSS80-315	–	74	–	77
GSS80-315L	87	–	–	–
GSS80-400	–	78	–	80
GSS100-160	77	65	80	67
GSS100-200	81	69	85	72
GSS100-250	85	72	–	74
GSS100-250 L	–	–	88	–
GSS100-315	–	74	–	77
GSS100-315 L	87	–	–	–
GSS100-400	–	78	–	80
GSS125-200	84	71	85	73
GSS125-250	–	74	–	77
GSS125-250 L	87	–	89	–
GSS125-315	89	77	–	79
GSS125-400	–	79	–	82
GSS125-500	–	81	–	84
GSS150-200	84	71	85	73
GSS150-250	89	77	–	79
GSS150-315	–	79	–	82
GSS150-400	–	80	–	–
GSS150-400 L	–	–	–	84
GSS150-500	–	84	–	86

Note : The overall sound pressure level is the value measured 1m away from the pump unit and does not include driver noise.

DIMENSIONS - Dimensions of Bare Shaft Pump



Flange Dimension

Material: **Stainless Steel**

Flange Standard: **EN PN16**

Unit : mm

Model	Suction flange							Discharge flange						
	dn1	A	D1	D2	T	N	d	dn2	A	D1	D2	T	N	d
GSS32	50	165	125	102	18	4	18	32	140	100	78	18	4	18
GSS40	65	185	145	122	18	4	18	40	150	110	88	18	4	18
GSS50	65	185	145	122	18	4	18	50	165	125	102	18	4	18
GSS65	80	200	160	138	20	8	18	65	185	145	122	18	4	18
GSS80	100	220	180	158	20	8	18	80	200	160	138	20	8	18
GSS100	125	250	210	188	22	8	18	100	220	180	158	20	8	18
GSS125	150	285	240	212	22	8	22	125	250	210	188	22	8	18
GSS150	200	340	295	268	24	12	22	150	285	240	212	22	8	22

Flange Standard: **JIS 10K**

Unit : mm

Model	Suction flange							Discharge flange						
	dn1	A	D1	D2	T	N	d	dn2	A	D1	D2	T	N	d
GSS32	50	155	120	96	16	4	19	32	135	100	76	16	4	19
GSS40	65	175	140	116	18	4	19	40	140	105	81	16	4	19
GSS50	65	175	140	116	18	4	19	50	155	120	96	16	4	19
GSS65	80	185	150	126	18	8	19	65	175	140	116	18	4	19
GSS80	100	210	175	151	18	8	19	80	185	150	126	18	8	19
GSS100	125	250	210	182	20	8	23	100	210	175	151	18	8	19
GSS125	150	280	240	212	22	8	23	125	250	210	182	20	8	23
GSS150	200	330	290	262	22	12	23	150	280	240	212	22	8	23

DIMENSIONS - Dimensions of Bare Shaft Pump

Dimensions of Bare Shaft Pump

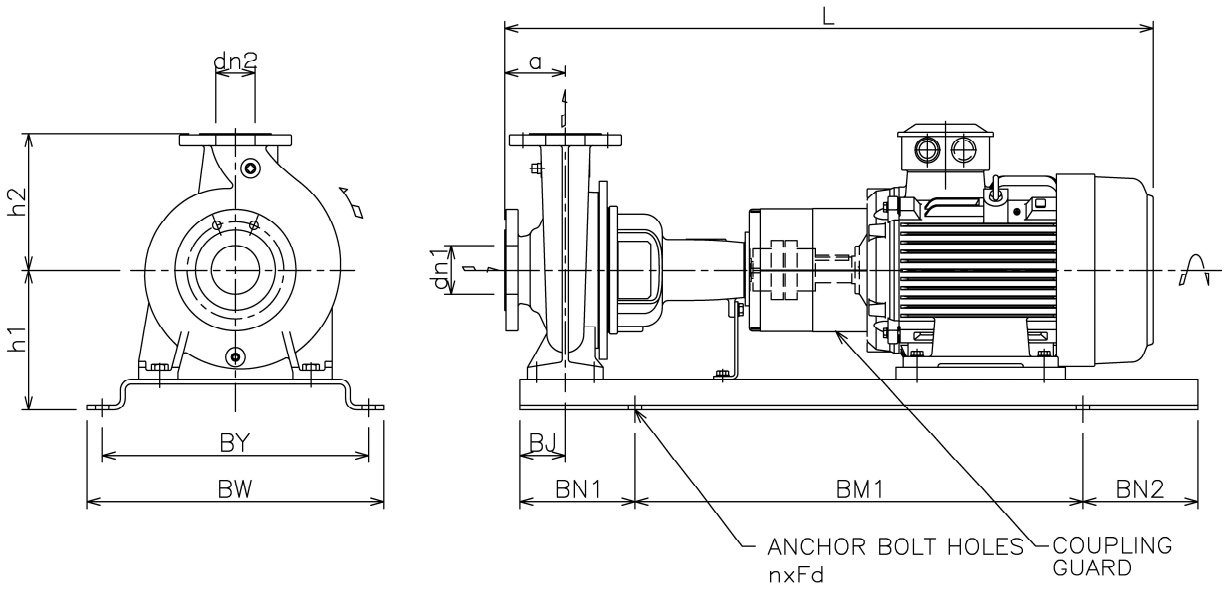
Unit: mm

MODEL	Nominal Diameter		Pump					Support							Holes for bolts		Shaft end					1)	Mass (kg)
	dn1	dn2	a	f	h1	h2	Drain plug	b	m1	m2	n1	n2	n3	w	s1	s2	d	l	t	u1	u2	X	GSS
GSS32-125.1	50	32	80	360	112	140	1/4B	50	100	70	190	140	110	260	M12	M12	24	50	27	8	7	100	30
GSS32-125	50	32	80	360	112	140	1/4B	50	100	70	190	140	110	260	M12	M12	24	50	27	8	7	100	27
GSS32-160.1	50	32	80	360	132	160	1/4B	50	100	70	240	190	110	260	M12	M12	24	50	27	8	7	100	28
GSS32-160	50	32	80	360	132	160	1/4B	50	100	70	240	190	110	260	M12	M12	24	50	27	8	7	100	28
GSS32-200.1	50	32	80	360	160	180	1/4B	50	100	70	240	190	110	260	M12	M12	24	50	27	8	7	100	38
GSS32-200	50	32	80	360	160	180	1/4B	50	100	70	240	190	110	260	M12	M12	24	50	27	8	7	100	37
GSS32-250	50	32	100	360	180	225	1/4B	65	125	95	320	250	110	260	M12	M12	24	50	27	8	7	100	46
GSS40-125	65	40	80	360	112	140	1/4B	50	100	70	210	160	110	260	M12	M12	24	50	27	8	7	100	29
GSS40-160	65	40	80	360	132	160	1/4B	50	100	70	240	190	110	260	M12	M12	24	50	27	8	7	100	30
GSS40-200	65	40	100	360	160	180	1/4B	50	100	70	265	212	110	260	M12	M12	24	50	27	8	7	100	40
GSS40-250	65	40	100	360	180	225	1/4B	65	125	95	320	250	110	260	M12	M12	24	50	27	8	7	100	48
GSS50-125	65	50	100	360	132	160	1/4B	50	100	70	240	190	110	260	M12	M12	24	50	27	8	7	100	34
GSS50-160	65	50	100	360	160	180	1/4B	50	100	70	265	212	110	260	M12	M12	24	50	27	8	7	100	33
GSS50-200	65	50	100	360	160	200	1/4B	50	100	70	265	212	110	260	M12	M12	24	50	27	8	7	100	43
GSS50-250	65	50	100	360	180	225	1/4B	65	125	95	320	250	110	260	M12	M12	24	50	27	8	7	100	49
GSS50-315	65	50	125	470	225	280	1/4B	65	125	95	345	280	110	340	M12	M12	32	80	35	10	8	100	86
GSS65-125	80	65	100	360	160	180	1/4B	65	125	95	280	212	110	260	M12	M12	24	50	27	8	7	100	37
GSS65-160	80	65	100	360	160	200	1/4B	65	125	95	280	212	110	260	M12	M12	24	50	27	8	7	100	43
GSS65-200	80	65	100	360	180	225	1/4B	65	125	95	320	250	110	260	M12	M12	24	50	27	8	7	140	45
GSS65-250	80	65	100	470	200	250	1/4B	80	160	120	360	280	110	340	M16	M12	32	80	35	10	8	140	72
GSS65-315	80	65	125	470	225	280	1/4B	80	160	120	400	315	110	340	M16	M12	32	80	35	10	8	140	89
GSS80-160	100	80	125	360	180	225	1/4B	65	125	95	320	250	110	260	M12	M12	24	50	27	8	7	140	48
GSS80-200	100	80	125	470	180	250	1/4B	65	125	95	345	280	110	340	M12	M12	32	80	35	10	8	140	67
GSS80-250	100	80	125	470	200	280	1/4B	80	160	120	400	315	110	340	M16	M12	32	80	35	10	8	140	77
GSS80-315	100	80	125	470	250	315	1/4B	80	160	120	400	315	110	340	M16	M12	32	80	35	10	8	140	102
GSS80-315L	100	80	125	530	250	315	1/4B	80	160	120	400	315	110	370	M16	M12	42	110	45	12	8	140	112
GSS80-400	100	80	125	530	280	355	1/4B	80	160	120	435	355	110	370	M16	M12	42	110	45	12	8	140	160
GSS100-160	125	100	125	470	200	250	3/8B	80	160	120	360	280	110	340	M16	M12	32	80	35	10	8	140	90
GSS100-200	125	100	125	470	200	280	3/8B	80	160	120	360	280	110	340	M16	M12	32	80	35	10	8	140	109
GSS100-250	125	100	140	470	225	280	3/8B	80	160	120	400	315	110	340	M16	M12	32	80	35	10	8	140	106
GSS100-250L	125	100	140	530	225	280	3/8B	80	160	120	400	315	110	370	M16	M12	42	110	45	12	8	140	118
GSS100-315	125	100	140	470	250	315	3/8B	80	160	120	400	315	110	340	M16	M12	32	80	35	10	8	140	107
GSS100-315L	125	100	140	530	250	315	3/8B	80	160	120	400	315	110	370	M16	M12	42	110	45	12	8	140	132
GSS100-400	125	100	140	530	280	355	3/8B	100	200	150	500	400	110	370	M20	M12	42	110	45	12	8	140	164
GSS125-200	150	125	140	470	250	315	3/8B	80	160	120	400	315	110	340	M16	M12	32	80	35	10	8	140	119
GSS125-250	150	125	140	470	250	355	3/8B	80	160	120	400	315	110	340	M16	M12	32	80	35	10	8	140	128
GSS125-250L	150	125	140	530	250	355	3/8B	80	160	120	400	315	110	370	M16	M12	42	110	45	12	8	140	145
GSS125-315	150	125	140	530	280	355	3/8B	100	200	150	500	400	110	370	M20	M12	42	110	45	12	8	140	170
GSS125-400	150	125	140	530	315	400	3/8B	100	200	150	500	400	110	370	M20	M12	42	110	45	12	8	140	202
GSS125-500	150	125	180	670	375	450	3/8B	100	200	150	550	450	140	500	M20	M16	48	110	51.5	14	9	140	361
GSS150-200	200	150	160	470	280	355	3/8B	100	200	150	500	400	110	340	M20	M12	32	80	35	10	8	140	157
GSS150-250	200	150	160	530	280	375	3/8B	100	200	150	500	400	110	370	M20	M12	42	110	45	12	8	140	153
GSS150-315,2)	200	150	160	530	315	400	3/8B	100	200	150	550	450	110	370	M20	M12	42	110	45	12	8	140	214
GSS150-400	200	150	160	530	315	450	1/2B	100	200	150	550	450	110	370	M20	M12	42	110	45	12	8	140	341
GSS150-400L	200	150	160	670	315	450	1/2B	100	200	150	550	450	140	500	M20	M16	48	110	51.5	14	9	140	365
GSS150-500	200	150	180	670	375	560	1/2B	100	200	150	550	450	140	500	M20	M16	60	110	64	18	11	180	504

1) Dimension to be considered by the manufacturer in respect of removal of inner parts of the Pump. The dimension X must not be idential with the distance between the shafts of the pump and the driving machine. The given dimension considers the use of flexible shaft couplinGSS with spacer. The gap is necessary for the withdrawal of the rotor toward the driven side.

2) h1 is 35mm higher than EN733 dimension.

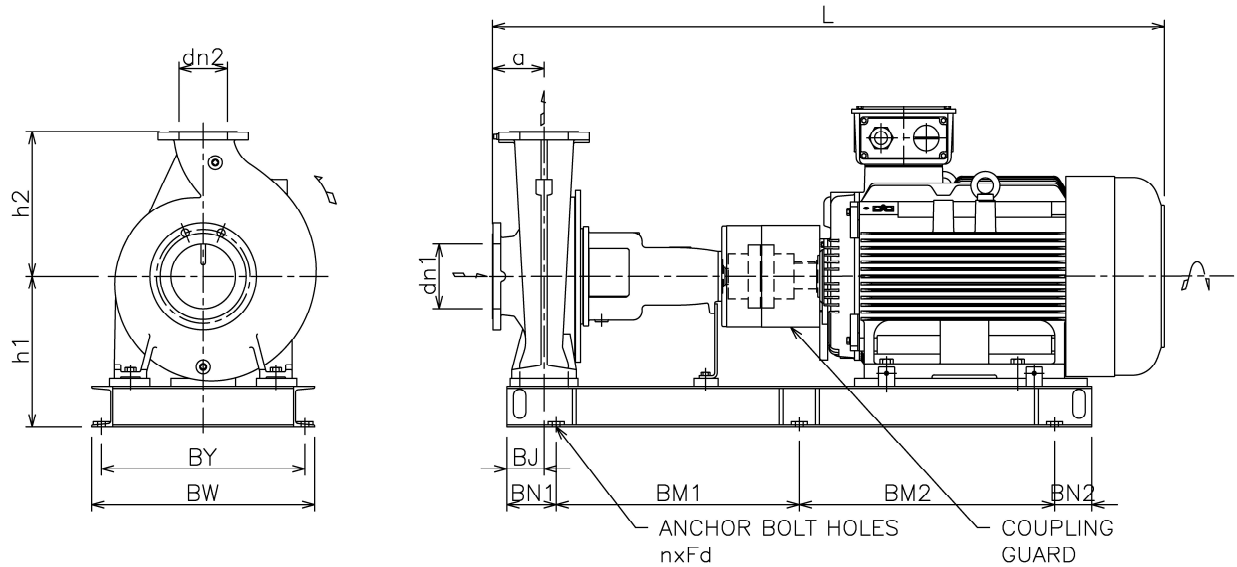
Steel Baseplate (Fig. A) Up to 90kW



This baseplate is not necessary to grout .

Special base can be provided for grouting.

Fabricated Baseplate (Fig. B) 110kW and over



DIMENSIONS - Dimensions of Pump with motor(2P)

GSS PUMP-2P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69092_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
32-125.1	2	✓		0.75	A	50	32	80	140	30	80M	16.5	162	60	540	–	130	130	320	360	4xM16	21	736	78
		✓	✓	1.1							80M	18												80
		✓	✓	1.5							90S	23											787	84
		✓	✓	2.2							90L	27											812	89
		✓	✓	3							100L	37.5											835	100
			✓	4							112M	47.5							350	390		23	855	112
			✓	5.5							132S	61	182		600		150	150				25	909	134
32-125	2	✓		0.75	A	50	32	80	140	27	80M	16.5	162	60	540	–	130	130	320	360	4xM16	21	736	75
		✓		1.1							80M	18												77
		✓	✓	1.5							90S	23											787	81
		✓	✓	2.2							90L	27											812	86
		✓	✓	3							100L	37.5											835	97
		✓	✓	4							112M	47.5										23	855	109
			✓	5.5							132S	61	182		600		150	150	350	390		25	909	131
			✓	7.5							132S	65												135
32-160.1	2	✓		1.5	A	50	32	80	160	28	90S	23	182	60	540	–	130	130	350	390	4xM16	23	787	87
		✓		2.2							90L	27											812	91
		✓	✓	3							100L	37.5											835	104
		✓	✓	4							112M	47.5											855	113
		✓	✓	5.5							132S	61			600		150	150				25	909	130
			✓	7.5							132S	65												135
			✓	11							160M	105	210		660		170	170	400	450	4xM20	32	1051	188
32-160	2	✓		2.2	A	50	32	80	160	28	90L	27	182	60	540	–	130	130	350	390	4xM16	23	812	91
		✓		3							100L	37.5											835	104
		✓	✓	4							112M	47.5											855	113
		✓	✓	5.5							132S	61			600		150	150				25	909	130
		✓	✓	7.5							132S	65												135
			✓	11							160M	105	210		660		170	170	400	450	4xM20	32	1051	188
			✓	15							160M	120												205
32-200.1	2	✓		3	A	50	32	80	180	38	100L	37.5	210	60	540	–	130	130	350	390	4xM16	23	835	116
		✓		4							112M	47.5											855	128
		✓	✓	5.5							132S	61			600		150	150				25	909	144
		✓	✓	7.5							132S	65												149
			✓	11							160M	105			660		170	170	400	450	4xM20	32	1051	198
			✓	15							160M	120												214
32-200	2	✓		5.5	A	50	32	80	180	37	132S	61	210	60	600	–	150	150	350	390	4xM16	25	909	143
		✓		7.5							132S	65												148
		✓	✓	11							160M	105			660		170	170	400	450	4xM20	32	1051	197
		✓	✓	15							160M	120												213
			✓	18.5							160L	135											1095	230
			✓	22							180M	175	230						440	490		35	1116	280
32-250	2	✓		7.5	A	50	32	100	225	46	132S	65	230	75	600	–	150	150	440	490	4xM20	31	929	169
		✓	✓	11							160M	105											1071	215
		✓	✓	15							160M	120			660		170	170				35		231
		✓	✓	18.5							160L	135											1115	248
			✓	22							180M	175											1136	288
			✓	30							200L	240	250		740		190	190	490	540		42	1234	370
40-125	2	✓		1.5	A	65	40	80	140	29	90S	23	162	60	540	–	130	130	320	360	4xM16	21	787	83
		✓		2.2							90L	27											812	88
		✓	✓	3							100L	37.5											835	99
		✓	✓	4							112M	47.5										23	855	111
		✓	✓	5.5							132S	61	182		600		150	150	350	390		25	909	133
			✓	7.5							132S	65												137
			✓	11							160M	105	210		660		170	170	400	450	4xM20	32	1051	191
40-160	2	✓		4	A	65	40	80	160	30	112M	47.5	182	60	540	–	130	130	350	390	4xM16	23	855	115
		✓	✓	5.5							132S	61			600		150	150				25	909	133
		✓	✓	7.5							132S	65												137
		✓	✓	11							160M	105	210		660		170	170	400	450	4xM20	32	1051	191
			✓	15							160M	120												207
			✓	18.5							160L	135											1095	224
40-200	2	✓		7.5	A	65	40	100	180	40	132S	65	210	60	600	–	150	150	350	390	4xM16	25	929	151
		✓		11							160M	105			660		170	170	400	450	4xM20	32	1071	200
		✓	✓	15							160M	120												216
		✓	✓	18.5							160L	135											1115	233
			✓	22							180M	175	230						440	490		35	1136	283
			✓	30							200L	240	250		740		190	190	490	540		42	1234	368
			✓	37							200L	270												401
40-250	2	✓		11	A	65	40	100	225	48	160M	105	230	75	660	–	170	170	440	490	4xM20	35	1071	217
		✓		15							160M	120												233
		✓		18.5							160L	135											1115	250
		✓	✓	22							180M	175											1136	291
		✓	✓	30							200L	240	250		740		190	190	490	540		42	1234	376
			✓	37							200L	270												409
			✓	45							225MA	315	300		840		205	205	550	610	4xM24	66	1275	488
			✓	55							250MA	405	325		940		230	230	600	660		79	1385	609

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

DIMENSIONS - Dimensions of Pump with motor(2P)

GSS PUMP-2P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69092_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
50-125	2	✓		2.2	A	65	50	100	160	34	90L	27	182	60	540	–	130	130	350	390	4xM16	23	832	98
		✓		3							100L	37.5											855	111
		✓	✓	4							112M	47.5											875	119
		✓	✓	5.5							132S	61			600		150	150				25	929	137
		✓	✓	7.5							132S	65												141
		✓	✓	11							160M	105	210		660		170	170	400	450	4xM20	32	1071	195
			✓	15							160M	120												211
50-160	2	✓		5.5	A	65	50	100	180	33	132S	61	210	60	600	–	150	150	350	390	4xM16	25	929	139
		✓	✓	7.5							132S	65												143
		✓	✓	11							160M	105											1071	192
		✓	✓	15							160M	120			660		170	170	400	450	4xM20	32		209
			✓	18.5							160L	135											1115	225
			✓	22							180M	175	230						440	490		35	1136	275
			✓	30							200L	240	250		740		190	190	490	540		42	1234	360
50-200	2	✓		11	A	65	50	100	200	43	160M	105	210	60	660	–	170	170	400	450	4xM20	32	1071	203
		✓		15							160M	120												220
		✓	✓	18.5							160L	135											1115	236
		✓	✓	22							180M	175	230						440	490		35	1136	286
		✓	✓	30							200L	240	250		740		190	190	490	540		42	1234	371
			✓	37							200L	270												404
			✓	45							225MA	315	300		840		205	205	550	610	4xM24	66	1275	481
50-250	2	✓		22	A	65	50	100	225	49	180M	175	230	75	660	–	170	170	440	490	4xM20	35	1136	292
		✓	✓	30							200L	240	250		740		190	190	490	540		42	1234	377
		✓	✓	37							200L	270												410
		✓	✓	45							225MA	315	300		840		205	205	550	610	4xM24	66	1275	489
			✓	55							250MA	405	325		940		230	230	600	660		79	1385	610
50-315	2	✓		30	A	65	50	125	280	86	200L	240	275	75	840	–	205	205	490	540	4xM20	47	1369	430
		✓		37							200L	270												463
		✓		45							225MA	315	300						550	610		66	1410	524
		✓		55							250MA	405	325		940		230	230	600	660	4xM24	79	1520	645
		✓		75							280SA	515	380		1060		270	270	670	730		104	1636	797
		✓		90							280MA	552											1686	847
65-125	2	✓		4	A	80	65	100	180	37	112M	47.5	210	75	540	–	130	130	400	450	4xM20	26	875	130
		✓		5.5							132S	61			660		170	170				32	929	151
		✓	✓	7.5							132S	65												155
		✓	✓	11							160M	105											1071	196
			✓	15							160M	120												213
			✓	18.5							160L	135											1115	229
			✓	22							180M	175	230						440	490		35	1136	281
65-160	2	✓		7.5	A	80	65	100	200	43	132S	65	210	75	660	–	170	170	400	450	4xM20	32	929	162
		✓	✓	11							160M	105											1071	203
		✓	✓	15							160M	120												219
		✓	✓	18.5							160L	135											1115	236
		✓	✓	22							180M	175	230						440	490		35	1136	287
			✓	30							200L	240	250		740		190	190	490	540		42	1234	372
			✓	37							200L	270												405
65-200	2	✓		11	A	80	65	100	225	45	160M	105	230	75	660	–	170	170	440	490	4xM20	35	1071	214
		✓		15							160M	120												230
		✓		18.5							160L	135											1115	247
		✓	✓	22							180M	175											1136	287
		✓	✓	30							200L	240	250		740		190	190	490	540		42	1234	373
		✓	✓	37							200L	270												406
			✓	45							225MA	315	300		840		205	205	550	610	4xM24	66	1275	484
			✓	55							250MA	405	325		940		230	230	600	660		79	1385	606
65-250	2	✓		22	A	80	65	100	250	72	180M	175	250	90	840	–	205	205	490	540	4xM20	47	1246	336
		✓		30							200L	240											1344	406
		✓		37							200L	270												439
		✓	✓	45							225MA	315	300						550	610		66	1385	513
		✓	✓	55							250MA	405	325		940		230	230	600	660	4xM24	79	1495	636
		✓	✓	75							280SA	515	380		1060		270	270	670	730		104	1611	790
			✓	90							280MA	552											1661	831
			✓	110	B						315SA	800	465	120	680	680	120	120	630	690	6xM20	175	1790	1159
65-315	2	✓		55	A	80	65	125	280	89	250MA	405	325	90	940	–	230	230	600	660	4xM24	79	1520	650
		✓		75							280SA	515	380		1060		270	270	670	730		104	1636	804
		✓		90							280MA	552											1686	854
		✓		110	B						315SA	800	465	120	680	680	120	120	630	690	6xM20	170	1815	1172
		✓		132							315MA	900											1865	1282
80-160	2	✓		11	A	100	80	125	225	48	160M	105	230	75	660	–	170	170	440	490	4xM20	35	1096	217
		✓	✓	15							160M	120												233
		✓	✓	18.5							160L	135											1140	250
		✓	✓	22							180M	175											1161	290
		✓	✓	30							200L	240	250		740		190	190	490	540		42	1259	376
			✓	37							200L	270												409
			✓	45							225MA	315	300		840		205	205	550	610	4xM24	66	1300	487
			✓	55							250MA	405	325		940		230	230	600	660		79	1410	608
80-200	2	✓		22	A	100	80	125	250	67	180M	175	230	75	740	–	190	190	440	490	4xM20	39	1271	316
		✓		30							200L	240	250		840		205	205	490	540		47	1369	402
		✓	✓	37							200L	270												435
		✓	✓	45							225MA	315	300						550	610		66	1410	508
		✓	✓	55							250MA	405	325		940		230	230	600	660	4xM24	79	1520	630
		✓	✓	75							280SA	515	380		1060		270	270	670	730		104	1636	781
			✓	90							280MA	552											1686	822
80-250	2	✓		45	A	100	80	125	280	77	225MA	315	300	90	840	–	205	205	550	610	4xM24	66	1410	519
		✓		55							250MA	405	325		940		230	230	600	660		79	1520	641
		✓	✓	75							280SA	515	380		1060		270	270	670	730		104	1636	795
		✓	✓	90							280MA	552											1686	845
		✓	✓	110	B						315SA	800	465	120	680	680	120	120	630	690	6xM20	175	1815	1164
			✓	132							315MA	900											1865	1274
80-315L	2	✓		90	A	100	80	125	315	112	280MA	552	380	90	1060	–	270	270	670	730	4xM24	104	1746	875
		✓		110	B						315SA	800	465	120	710	710	120	120	630	690	6xM20	175	1875	1203
		✓		132							315MA	900											1925	1313
		✓		160							315LA	980			760	760						180	2025	1414
		✓		200							315LA	1100												1546

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

DIMENSIONS - Dimensions of Pump with motor(2P)

GSS PUMP-2P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69092_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
100-160	2	✓		15	A	125	100	125	250	90	160M	120	250	90	840	–	205	205	490	540	4xM20	47	1206	299
		✓		18.5							160L	135											1250	316
		✓	✓	22							180M	175											1271	355
		✓	✓	30							200L	240											1369	425
		✓	✓	37							200L	270												458
			✓	45							225MA	315	300						550	610	4xM24	66	1410	533
			✓	55							250MA	405	325		940		230	230	600	660		79	1520	656
100-200	2	✓		22	A	125	100	125	280	109	180M	175	250	90	840	–	205	205	490	540	4xM20	47	1271	376
		✓		30							200L	240											1369	446
		✓		37							200L	270												479
		✓	✓	45							225MA	315	300						550	610	4xM24	66	1410	553
		✓	✓	55							250MA	405	325		940		230	230	600	660		79	1520	676
		✓	✓	75							280SA	515	380		1060		270	270	670	730		104	1636	830
			✓	90							280MA	552											1686	871
			✓	110	B						315SA	800	465	120	680	680	120	120	630	690	6xM20	175	1815	1199
			✓	132							315MA	900											1865	1309
100-250	2	✓		37	A	125	100	140	280	106	200L	270	300	90	840	–	205	205	550	610	4xM24	66	1384	506
		✓		45							225MA	315											1425	546
		✓		55							250MA	405	325		940		230	230	600	660		79	1535	669
		✓		75							280SA	515	380		1060		270	270	670	730		104	1651	823
		✓		90							280MA	552											1701	873
		✓		110	B						315SA	800	465	120	680	680	120	120	630	690	6xM20	170	1830	1191
		✓		132							315MA	900											1880	1301
100-250L	2		✓	90	A	125	100	140	280	118	280MA	552	380	90	1060	–	270	270	670	730	4xM24	104	1761	877
			✓	110	B						315SA	800	465	120	710	710	120	120	630	690	6xM20	175	1890	1209
			✓	132							315MA	900											1940	1319
			✓	160							315LA	980			760	760						180	2040	1412
			✓	200							315LA	1100												1553
			✓	220							355MA	1550	505	135	840	840	135	135	765	825		230	2279	2098
100-315L	2	✓		75	A	125	100	140	315	132	280SA	515	380	90	1060	–	270	270	670	730	4xM24	104	1711	847
		✓		90							280MA	552											1761	897
		✓		110	B						315SA	800	465	120	710	710	120	120	630	690	6xM20	175	1890	1225
		✓		132							315MA	900											1940	1335
		✓		160							315LA	980			760	760						180	2040	1436
		✓		200							315LA	1100												1568
125-200	2	✓		45	A	150	125	140	315	119	225MA	315	325	90	840	–	205	205	550	610	4xM24	66	1425	570
		✓		55							250MA	405			940		230	230	600	660		79	1535	679
		✓	✓	75							280SA	515	380		1060		270	270	670	730		104	1651	833
		✓	✓	90							280MA	552											1701	882
		✓	✓	110	B						315SA	800	465	120	680	680	120	120	630	690	6xM20	170	1830	1205
			✓	132							315MA	900											1880	1315
125-250L	2	✓		75	A	150	125	140	355	145	280SA	515	380	90	1060	–	270	270	670	730	4xM24	104	1711	862
		✓		90							280MA	552											1761	911
		✓		110	B						315SA	800	465	120	710	710	120	120	630	690	6xM20	175	1890	1239
		✓	✓	132							315MA	900											1940	1349
		✓	✓	160							315LA	980			760	760						180	2040	1451
		✓	✓	200							315LA	1100												1583
			✓	220							355MA	1550	505	135	840	840	135	135	765	825		230	2279	2128
			✓	250							355MA	1650												2238
125-315	2	✓		110	B	150	125	140	355	170	315SA	800	465	120	710	710	120	120	630	690	6xM20	185	1890	1277
		✓		132							315MA	900											1940	1387
		✓		160							315LA	980			760	760						190	2040	1489
		✓		200							315LA	1100												1621
		✓		220							355MA	1550	505	135	840	840	135	135	765	825		230	2279	2156
		✓		250							355MA	1650												2279
150-200	2	✓		37	A	200	150	160	355	157	200L	270	380	110	940	–	230	230	670	730	4xM24	92	1404	603
		✓		45							225MA	315											1445	652
		✓	✓	55							250MA	405											1555	748
		✓	✓	75							280SA	515			1060		270	270				104	1671	869
		✓	✓	90							280MA	552											1721	918
		✓	✓	110	B						315SA	800	465	120	680	680	120	120	630	690	6xM20	180	1850	1257
			✓	132							315MA	900											1900	1367
150-250	2	✓		110	B	200	150	160	375	153	315SA	800	465	120	710	710	120	120	630	690	6xM20	185	1910	1260
		✓		132							315MA	900											1960	1370
		✓		160							315LA	980			760	760						190	2060	1471
		✓		200							315LA	1100												1603
		✓		220							355MA	1550	505	135	840	840	135	135	765	825		230	2299	2138
		✓		250							355MA	1650												2261

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

DIMENSIONS - Dimensions of Pump with motor(4P)

GSS PUMP-4P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69093_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
32-125.1	4	✓	✓	0.55	A	50	32	80	140	30	80M	15	162	60	540	–	130	130	320	360	4xM16	21	736	77
			✓	0.75							80M	16.5												78
32-125	4	✓	✓	0.55	A	50	32	80	140	27	80M	15	162	60	540	–	130	130	320	360	4xM16	21	736	74
			✓	0.75							80M	16.5												75
			✓	1.1							90S	22											787	80
32-160.1	4	✓	✓	0.55	A	50	32	80	160	28	80M	15	182	60	540	–	130	130	350	390	4xM16	23	736	78
		✓	✓	0.75							80M	16.5												79
			✓	1.1							90S	22											787	86
			✓	1.5							90L	24											812	88
32-160	4	✓	✓	0.55	A	50	32	80	160	28	80M	15	182	60	540	–	130	130	350	390	4xM16	23	736	78
		✓	✓	0.75							80M	16.5												79
		✓	✓	1.1							90S	22											787	86
			✓	1.5							90L	24											812	88
32-200.1	4	✓		0.55	A	50	32	80	180	38	80M	15	210	60	540	–	130	130	350	390	4xM16	23	736	89
		✓	✓	0.75							80M	16.5												91
		✓	✓	1.1							90S	22											787	98
			✓	1.5							90L	24											812	100
			✓	2.2							100L	32											835	110
32-200	4	✓		0.75	A	50	32	80	180	37	80M	16.5	210	60	540	–	130	130	350	390	4xM16	23	736	90
		✓		1.1							90S	22											787	97
		✓	✓	1.5							90L	24											812	99
		✓	✓	2.2							100L	32											835	109
			✓	3							100L	37.5											835	116
32-250	4	✓		0.75	A	50	32	100	225	46	80M	16.5	230	75	600	–	150	150	440	490	4xM20	31	756	109
		✓		1.1							90S	22											807	116
		✓		1.5							90L	24											832	118
		✓	✓	2.2							100L	32											855	129
		✓	✓	3							100L	37.5												136
			✓	4							112M	47.5											876	147
			✓	5.5							132S	64.0											929	168
40-125	4	✓	✓	0.55	A	65	40	80	140	29	80M	15	162	60	540	–	130	130	320	360	4xM16	21	736	76
		✓	✓	0.75							80M	16.5												78
			✓	1.1							90S	22											787	82
			✓	1.5							90L	24											812	85
40-160	4	✓	✓	0.55	A	65	40	80	160	30	80M	15	182	60	540	–	130	130	350	390	4xM16	23	736	80
		✓	✓	0.75							80M	16.5												82
		✓	✓	1.1							90S	22											787	88
		✓	✓	1.5							90L	24											812	90
			✓	2.2							100L	32											835	100
			✓	3							100L	37.5												107
40-200	4	✓		1.1	A	65	40	100	180	40	90S	22	210	60	540	–	130	130	350	390	4xM16	23	807	100
		✓	✓	1.5							90L	24											832	102
		✓	✓	2.2							100L	32											855	112
		✓	✓	3							100L	37.5												119
			✓	4							112M	47.5											876	131
			✓	5.5							132S	64			600		150	150				25	929	150
40-250	4	✓		1.5	A	65	40	100	225	48	90L	24	230	75	600	–	150	150	440	490	4xM20	31	832	120
		✓	✓	2.2							100L	32											855	131
		✓	✓	3							100L	37.5												138
		✓	✓	4							112M	47.5											876	149
			✓	5.5							132S	64											929	170
			✓	7.5							132M	78											967	186

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

DIMENSIONS - Dimensions of Pump with motor(4P)

GSS PUMP-4P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69093_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
50-125	4	✓	✓	0.55	A	65	50	100	160	34	80M	15	182	60	540	–	130	130	350	390	4xM16	23	756	84
		✓	✓	0.75							80M	16.5												86
		✓	✓	1.1							90S	22											807	92
			✓	1.5							90L	24											832	95
			✓	2.2							100L	32											855	104
50-160	4	✓		0.55	A	65	50	100	180	33	80M	15	210	60	540	–	130	130	350	390	4xM16	23	756	84
		✓	✓	0.75							80M	16.5												86
		✓	✓	1.1							90S	22											807	92
		✓	✓	1.5							90L	24											832	94
		✓	✓	2.2							100L	32											855	105
			✓	3							100L	37.5												112
			✓	4							112M	47.5											876	123
50-200	4	✓		1.1	A	65	50	100	200	43	90S	22	210	60	540	–	130	130	350	390	4xM16	23	807	103
		✓		1.5							90L	24											832	105
		✓	✓	2.2							100L	32											855	116
		✓	✓	3							100L	37.5												123
		✓	✓	4							112M	47.5											876	134
			✓	5.5							132S	64			600		150	150				25	929	153
			✓	7.5							132M	78											967	168
50-250	4	✓		2.2	A	65	50	100	225	49	100L	32	230	75	600	–	150	150	440	490	4xM20	31	855	132
		✓		3							100L	37.5												139
		✓	✓	4							112M	47.5											876	150
		✓	✓	5.5							132S	64											929	171
		✓	✓	7.5							132M	78											967	187
			✓	11							160M	105			660		170	170				35	1071	218
50-315	4	✓		4	A	65	50	125	280	86	112M	47.5	275	75	660	–	170	170	440	490	4xM20	35	1011	198
		✓		5.5							132S	64											1064	219
		✓	✓	7.5							132M	78											1102	234
		✓	✓	11							160M	105			740		190	190				39	1207	273
		✓	✓	15							160L	130											1251	300
			✓	18.5							180M	175			840		205	205	490	540		47	1271	359
			✓	22							180L	190											1309	379
65-125	4	✓		0.55	A	80	65	100	180	37	80M	15	210	75	540	–	130	130	400	450	4xM20	26	756	92
		✓		0.75							80M	16.5												93
		✓	✓	1.1							90S	22											807	100
		✓	✓	1.5							90L	24											832	102
			✓	2.2							100L	32											855	112
			✓	3							100L	37.5												119
65-160	4	✓		0.75	A	80	65	100	200	43	80M	16.5	210	75	540	–	130	130	400	450	4xM20	26	756	100
		✓		1.1							90S	22											807	106
		✓	✓	1.5							90L	24											832	108
		✓	✓	2.2							100L	32											855	119
		✓	✓	3							100L	37.5												126
			✓	4							112M	47.5											876	137
			✓	5.5							132S	64			660		170	170				32	929	160
65-200	4	✓		1.5	A	80	65	100	225	45	90L	24	230	75	600	–	150	150	440	490	4xM20	31	832	117
		✓		2.2							100L	32											855	128
		✓	✓	3							100L	37.5												135
		✓	✓	4							112M	47.5											876	146
		✓	✓	5.5							132S	64											929	167
			✓	7.5							132M	78											967	182
			✓	11							160M	105			660		170	170				35	1071	214
65-250	4	✓		3	A	80	65	100	250	72	100L	37.5	250	90	740	–	190	190	490	540	4xM20	42	965	177
		✓		4							112M	47.5											986	189
		✓	✓	5.5							132S	64											1039	210
		✓	✓	7.5							132M	78											1077	225
		✓	✓	11							160M	105			840		205	205				47	1181	263
			✓	15							160L	130											1226	292
65-315	4	✓		7.5	A	80	65	125	280	89	132M	78	300	90	840	–	205	205	550	610	4xM24	66	1102	272
		✓	✓	11							160M	105											1207	306
		✓	✓	15							160L	130											1251	334
		✓	✓	18.5							180M	175											1271	383
			✓	22							180L	190											1309	404
			✓	30							200L	255											1369	471

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

DIMENSIONS - Dimensions of Pump with motor(4P)

GSS PUMP-4P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69093_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
80-160	4	✓		1.1	A	100	80	125	225	48	90S	22	230	75	600	–	150	150	440	490	4xM20	31	832	118
		✓		1.5							90L	24											857	120
		✓	✓	2.2							100L	32											880	131
		✓	✓	3							100L	37.5												138
		✓	✓	4							112M	47.5											901	149
			✓	5.5							132S	64											954	170
			✓	7.5							132M	78											992	185
80-200	4	✓		2.2	A	100	80	125	250	67	100L	32	230	75	600	–	150	150	440	490	4xM20	31	990	153
		✓		3							100L	37.5												159
		✓	✓	4							112M	47.5											1011	175
		✓	✓	5.5							132S	64			660		170	170				35	1064	196
		✓	✓	7.5							132M	78											1102	211
		✓	✓	11							160M	105			740		190	190				39	1206	242
			✓	15							160L	130											1251	271
80-250	4	✓		5.5	A	100	80	125	280	77	132S	64	275	90	840	–	205	205	550	610	4xM24	66	1064	241
		✓	✓	7.5							132M	78											1102	257
		✓	✓	11							160M	105											1207	291
		✓	✓	15							160L	130											1251	319
			✓	18.5							180M	175											1271	362
			✓	22							180L	190											1309	382
80-315	4	✓		11	A	100	80	125	315	102	160M	105	325	90	840	–	205	205	550	610	4xM24	66	1207	322
		✓		15							160L	130											1251	350
		✓	✓	18.5							180M	175											1271	403
		✓	✓	22							180L	190											1309	419
		✓	✓	30							200L	255											1369	494
			✓	37							225SC	315											1415	556
			✓	45							225MC	330											1440	573
80-400	4	✓		11	A	100	80	125	355	160	160M	105	355	90	840	–	205	205	550	610	4xM24	66	1267	388
		✓		15							160L	130											1311	416
		✓	✓	18.5							180M	175			940		230	230				74	1331	478
		✓	✓	22							180L	190											1369	495
		✓	✓	30							200L	255											1429	576
		✓	✓	37							225SC	315											1475	641
		✓	✓	45							225MC	330											1500	666
		✓	✓	55							250MC	450							600	660		79	1580	796
			✓	75							280SB	566	380		1060		270	270	670	730		104	1696	938
			✓	90							280MB	624											1746	1010
100-160	4	✓		2.2	A	125	100	125	250	90	100L	32	250	90	740	–	190	190	490	540	4xM20	42	990	191
		✓		3							100L	37.5												197
		✓	✓	4							112M	47.5											1011	209
		✓	✓	5.5							132S	64											1064	229
			✓	7.5							132M	78											1102	245
100-200	4	✓		4	A	125	100	125	280	109	112M	47.5	250	90	740	–	190	190	490	540	4xM20	42	1011	229
		✓	✓	5.5							132S	64											1064	249
		✓	✓	7.5							132M	78											1102	265
		✓	✓	11							160M	105			840	–	205	205				47	1207	305
			✓	15							160L	130											1251	332
			✓	18.5							180M	175											1271	376
100-250	4	✓		5.5	A	125	100	140	280	106	132S	64	300	90	840	–	205	205	550	610	4xM24	66	1079	275
		✓		7.5							132M	78											1117	291
		✓	✓	11							160M	105											1222	325
		✓	✓	15							160L	130											1266	352
		✓	✓	18.5							180M	175											1286	406
			✓	22							180L	190											1324	422
			✓	30							200L	255											1384	489
100-315	4	✓		7.5	A	125	100	140	315	107	132M	78	325	90	840	–	205	205	550	610	4xM24	66	1117	293
		✓		11							160M	105											1222	328
		✓	✓	15							160L	130											1266	356
		✓	✓	18.5							180M	175											1286	408
		✓	✓	22							180L	190											1324	425
		✓	✓	30							200L	255											1384	505
			✓	37							225SC	315											1430	562
			✓	45							225MC	330											1455	578
100-400	4	✓		15	A	125	100	140	355	164	160L	130	380	110	940	–	230	230	670	730	4xM24	92	1326	451
		✓		18.5							180M	175											1346	505
		✓		22							180L	190											1384	521
		✓	✓	30							200L	255											1444	602
		✓	✓	37							225SC	315											1490	667
		✓	✓	45							225MC	330											1515	693
		✓	✓	55							250MC	450											1595	817
			✓	75							280SB	566			1060	–	270	270				104	1711	944
			✓	90							280MB	624											1761	1017

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

DIMENSIONS - Dimensions of Pump with motor(4P)

GSS PUMP-4P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69093_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
125-200	4	✓		5.5	A	150	125	140	315	119	132S	64	325	90	840	–	205	205	550	610	4xM24	66	1079	290
		✓	✓	7.5							132M	78											1117	306
		✓	✓	11							160M	105											1222	341
		✓	✓	15							160L	130											1266	369
			✓	18.5							180M	175											1286	418
			✓	22							180L	190											1324	438
125-250	4	✓		11	A	150	125	140	355	128	160M	105	325	90	840	–	205	205	550	610	4xM24	66	1222	351
		✓		15							160L	130											1266	379
		✓	✓	18.5							180M	175											1286	432
		✓	✓	22							180L	190											1324	448
		✓	✓	30							200L	255											1384	528
			✓	37							225SC	315											1430	585
			✓	45							225MC	330											1455	602
125-315	4	✓		15	A	150	125	140	355	170	160L	130	380	110	940	–	230	230	670	730	4xM24	92	1326	456
		✓		18.5							180M	175											1346	510
		✓	✓	22							180L	190											1384	526
		✓	✓	30							200L	255											1444	607
		✓	✓	37							225SC	315											1490	672
		✓	✓	45							225MC	330											1515	697
			✓	55							250MC	450											1595	822
			✓	75							280SB	566			1060		270	270				104	1711	949
125-400	4	✓		22	A	150	125	140	400	202	180L	190	415	110	940	–	230	230	670	730	4-M24	92	1384	564
		✓		30							200L	255											1444	645
		✓		37							225SC	315											1490	712
		✓	✓	45							225MC	330											1515	738
		✓	✓	55							250MC	450			1060		270	270				104	1595	885
		✓	✓	75							280SB	566											1711	1024
			✓	90							280MB	624											1761	1088
			✓	110	B						315SB	800	465	120	710	710	120	120	630	690	6-M20	185	1920	1322
			✓	132							315MB	900											1970	1432
125-500	4	✓		30	A	150	125	180	450	361	200L	255	475	110	1060	–	270	270	670	730	4xM24	104	1624	836
		✓		37							225SC	315											1670	904
		✓	✓	45							225MC	330											1695	929
		✓	✓	55							250MC	450											1775	1067
		✓	✓	75							280SB	566			1200		300	300				117	1891	1222
		✓	✓	90							280MB	624											1941	1286
		✓	✓	110	B						315SB	800	525	115	790	790	115	115	630	690	6xM20	220	2100	1531
			✓	132							315MB	900											2150	1641
			✓	160							315LB	990			845	845						225	2250	1758
150-200	4	✓		4	A	200	150	160	355	157	112M	47.5	380	110	940	–	230	230	670	730	4xM24	92	1046	340
		✓		5.5							132S	64											1099	361
		✓	✓	7.5							132M	78											1137	377
		✓	✓	11							160M	105											1242	413
		✓	✓	15							160L	130											1286	440
			✓	18.5							180M	175											1306	491
			✓	22							180L	190											1344	511
150-250	4	✓		15	A	200	150	160	375	153	160L	130	380	110	940	–	230	230	670	730	4xM24	92	1346	439
		✓		18.5							180M	175											1366	492
		✓		22							180L	190											1404	509
		✓	✓	30							200L	255											1464	589
		✓	✓	37							225SC	315											1510	654
		✓	✓	45							225MC	330											1535	680
			✓	55							250MC	450											1615	804
			✓	75							280SB	566			1060		270	270				104	1731	932
150-315	4	✓		18.5	A	200	150	160	400	214	180M	175	415	110	940	–	230	230	670	730	4xM24	92	1366	560
		✓		22							180L	190											1404	577
		✓		30							200L	255											1464	658
		✓	✓	37							225SC	315											1510	725
		✓	✓	45							225MC	330											1535	750
		✓	✓	55							250MC	450											1615	898
		✓	✓	75							280SB	566			1060		270	270				104	1731	1047
			✓	90							280MB	624											1781	1111
			✓	110	B						315SB	800	465	120	710	710	120	120	630	690	6xM20	185	1940	1335
			✓	132							315MB	900											1990	1445

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

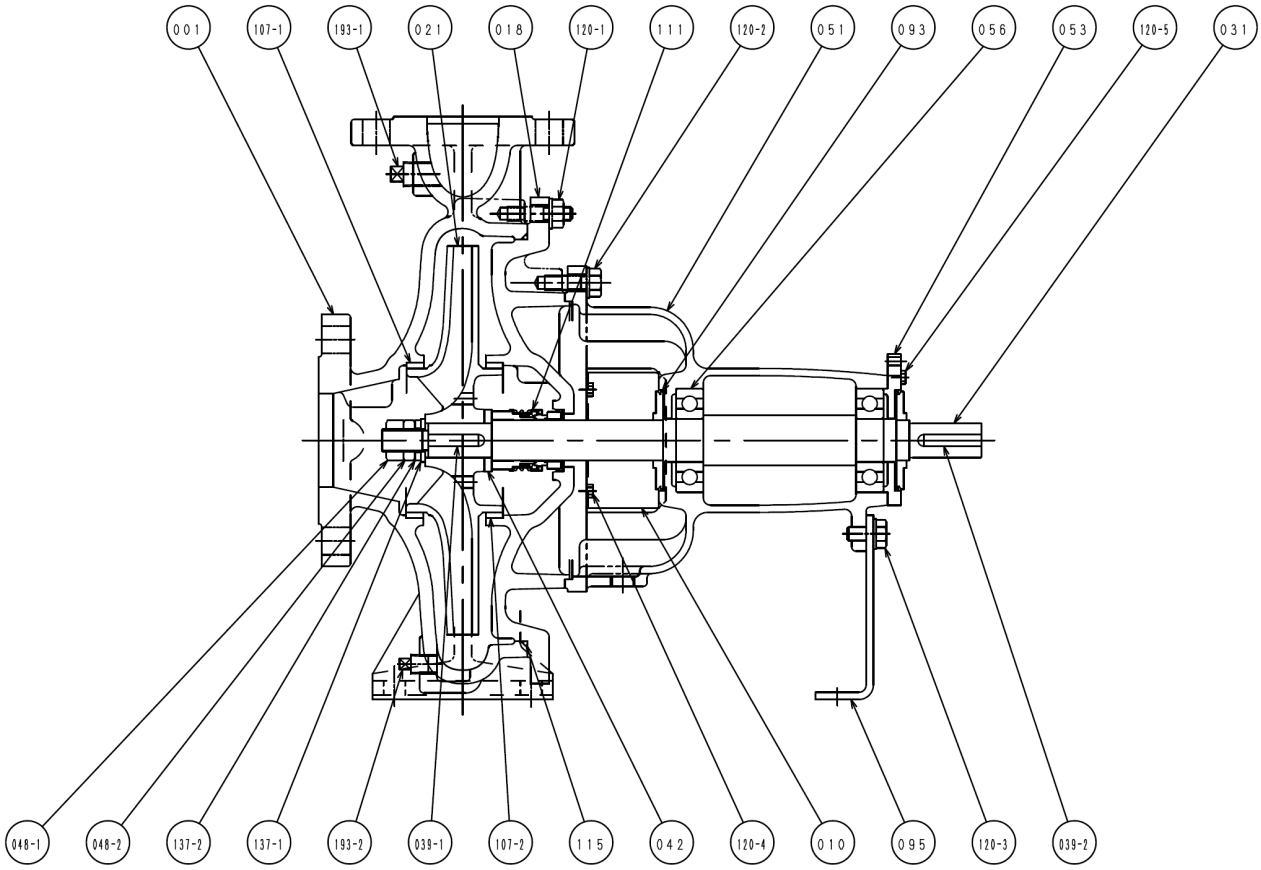
DIMENSIONS - Dimensions of Pump with motor(4P)

GSS PUMP-4P 50Hz/60Hz ✓ : Applicable Doc.No.6312-W69093_rev0

Model	Pole	Hz		Power	Fig	Size		Pump			Motor ※1)		Baseplate										Total (Approx.)	
		50	60	kW		φ1	φ2	a	h2	Mass (kg)	Frame	Mass (kg)	h1	BJ	BM1	BM2	BN1	BN2	BY	BW	nxFd	Mass (kg)	L	Mass (kg)
150-400	4	✓		37	A	200	150	160	450	341	225SC	315	415	110	940	–	230	230	670	730	4xM24	92	1510	863
		✓		45							225MC	330											1535	889
		✓		55							250MC	450			1060		270	270				104	1615	1037
		✓		75							280SB	566											1731	1175
		✓		90							280MB	624											1781	1239
150-400L	4		✓	55	A	200	150	160	450	365	250MC	450	415	110	1060	–	270	270	670	730	4xM24	104	1755	1063
			✓	75							280SB	566			1200		300	300				117	1871	1217
			✓	90							280MB	624											1921	1290
			✓	110	B						315SB	800	465	115	790	790	115	115	630	690	6xM20	190	2080	1504
			✓	132							315MB	900											2130	1614
			✓	160							315LB	990			845	845						200	2230	1737
150-500	4	✓		55	A	200	150	180	560	504	250MC	450	475	110	1060	–	270	270	670	730	4xM24	104	1775	1223
		✓		75							280SB	566			1200		300	300				117	1891	1378
		✓		90							280MB	624											1941	1442
		✓	✓	110	B						315SB	800	525	115	790	790	115	115	630	690	6xM20	220	2100	1686
		✓	✓	132							315MB	900											2150	1809
		✓	✓	160							315LB	990			845	845						225	2250	1913
			✓	200							315LB	1160												2100
			✓	220							355MB	1550	550	125	945	945	125	125	755	825	6xM22	340	2499	2656
			✓	250							355MB	1650												2766
			✓	315							355LB	1900												3041

※1) Up to 55kW: EBARA motor
more than 75kW: TECO motor(AESV)

CONSTRUCTION - Sectional view (Mechanical Seal Type)

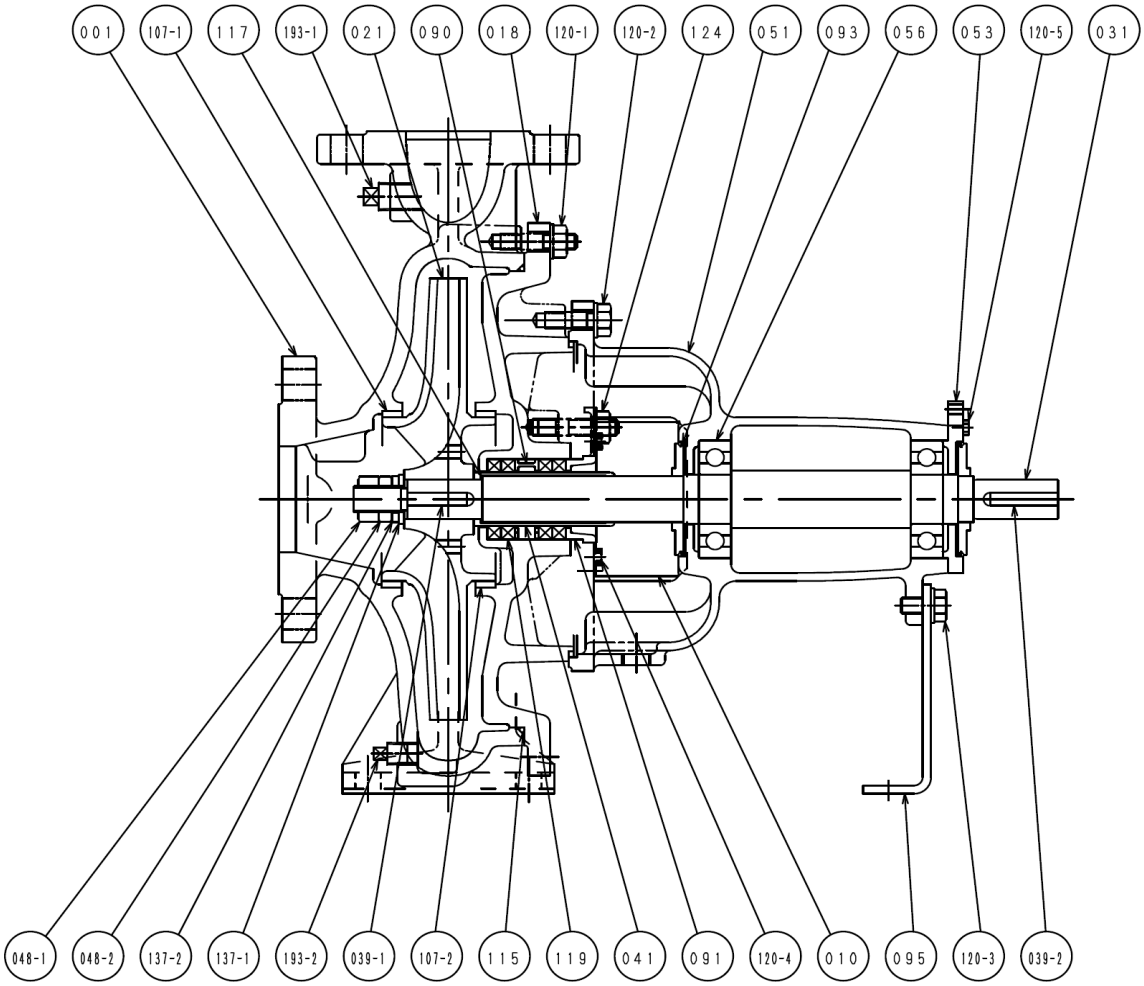


Mechanical Seal Type

No.	Part name	Qty
001	CASING	1
010	PROTECTOR	2
018	CASING COVER	1
021	IMPELLER	1
031	SHAFT	1
039-1	KEY	1
039-2	KEY	1
042	SPACER	1
048-1	IMPELLER NUT (A)	1
048-2	IMPELLER NUT (B)	1
051	BEARING HOUSING	1
053	BEARING COVER	1
056	BALL BEARING	2
093	DEFLECTOR	2

No.	Part name	Qty
095	STAY	1
107-1	CASE WEAR RING	1
107-2	CASE WEAR RING	1
111	MECHANICAL SEAL	1
115	O-RING	1
120-1	BOLT	-
120-2	BOLT	6
120-3	BOLT	1
120-4	BOLT	4
120-5	BOLT	4
137-1	PLAIN WASHER	1
137-2	SPRING LOCK WASHER	1
193-1	PLUG	1
193-2	PLUG	1

CONSTRUCTION - Sectional view (Gland Packing Type)



Gland Packing Type

No.	Part name	Qty
001	CASING	1
010	PROTECTOR	2
018	CASING COVER	1
021	IMPELLER	1
031	SHAFT	1
039-1	KEY	1
039-2	KEY	1
041	SHAFT SLEEVE	1
048-1	IMPELLER NUT (A)	1
048-2	IMPELLER NUT (B)	1
051	BEARING HOUSING	1
053	BEARING COVER	1
056	BALL BEARING	2
090	LANTERN RING	1
091	GLAND	1
093	DEFLECTOR	2

No.	Part name	Qty
095	STAY	1
107-1	CASE WEAR RING	1
107-2	CASE WEAR RING	1
115	O-RING	1
117	GASKET	1
119	GLAND PACKING	4
120-1	BOLT	-
120-2	BOLT	6
120-3	BOLT	1
120-4	BOLT	4
120-5	BOLT	4
124	GLAND BOLT	2
137-1	PLAIN WASHER	1
137-2	SPRING LOCK WASHER	1
193-1	PLUG	1
193-2	PLUG	1

Materials of mechanical seal application (conical type)

●: Standard ○: Optional

No.	Name of part	Material	JIS Material	ASTM equivalent	ISO or EN equivalent	Remarks	Material group A1	A2	D1
001	CASING	304 Stainless steel	SCS13	A351-CF8	GX5CrNi19-10(1.4308)		●		
		316 Stainless steel	SCS14A	A351-CF8M	GX5CrNiMo19-11-2(1.4408)			○	
		Duplex stainless steel	--	A890-1B(CD4MCuN)	GX2CrNiMoCuN-25-6-3-3(1.4517)				○
010	PROTECTOR	Carbon steel	SPCC	A569	DC01(1.0330)		●	●	●
018	CASING COVER (conical)	304 Stainless steel	SCS13	A351-CF8	GX5CrNi19-10(1.4308)		●		
		316 Stainless steel	SCS14A	A351-CF8M	GX5CrNiMo19-11-2(1.4408)			○	
		Duplex stainless steel	--	A890-1B(CD4MCuN)	GX2CrNiMoCuN-25-6-3-3(1.4517)				○
021	IMPELLER	304 Stainless steel	SCS13	A351-CF8	GX5CrNi19-10(1.4308)		●		
		316 Stainless steel	SCS14A	A351-CF8M	GX5CrNiMo19-11-2(1.4408)			○	
		Duplex stainless steel	--	A890-1B(CD4MCuN)	GX2CrNiMoCuN-25-6-3-3(1.4517)				○
031	SHAFT	Duplex stainless steel	SUS329J3L /S35C	A276-S31803 /Grade1035	X2CrNiMoN22-5-3(1.4462) /C35	(*1)	●	●	●
039-1	KEY	316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)		●	●	
		Duplex stainless steel	SUS329J3L	A276-S31803	X2CrNiMoN22-5-3(1.4462)				○
039-2	KEY	Carbon steel	S50C	A576-1050	C50(1.0540)		●	●	●
042	SPACER	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	
		Duplex stainless steel	SUS329J3L	A276-S31803	X2CrNiMoN22-5-3(1.4462)				○
048-1	IMPELLER NUT (A)	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	
		Duplex stainless steel	SUS329J3L	A276-S31803	X2CrNiMoN22-5-3(1.4462)				○
048-2	IMPELLER NUT (B)	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		NA
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	NA
051	BEARING HOUSING	Cast iron	FC150	A48-20	EN-GJL-150(EN-JL1020)		●	●	●
053	BEARING COVER	Cast iron	FC150	A48-20	EN-GJL-150(EN-JL1020)		●	●	●
056	BALL BEARING	Steel	---	---	---	(*2)	●	●	●
093	DEFLECTOR	EPDM	---	---	---		●	●	●
095	STAY	Carbon steel	SPHC	A569	---		●	●	●
107	CASE WEAR RING	316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)		●	●	
		Duplex stainless steel	SUS329J3L	A276-S31803	X2CrNiMoN22-5-3(1.4462)				○
111	MECHANICAL SEAL	SiC/carbon/FKM	---	---	---	Elastomer bellows seal	●	●	
		SiC/carbon/EPDM	---	---	---		○	○	
		Tc/carbon/EPDM	---	---	---	O ring/Spring	○	○	
		SiC/SiC/EPDM/HAS-C	---	---	---				○
115	O-RING	FKM	---	---	---	Viton	●	●	●
		EPDM	---	---	---		○	○	○
120-1	BOLT	Carbon steel	SS	A283-D	---		●	●	
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)				○
120 -2,3,4,5	BOLT	Carbon steel	SS	A283-D	---		●	●	●
137-1	PLAIN WASHER	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		NA
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	NA
137-2	SPRING LOCK WASHER	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		NA
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	NA
193-1	PLUG	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	
		Duplex stainless steel	SUS329J3L	A276-S31803	X2CrNiMoN22-5-3(1.4462)				○
193-2	PLUG	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	
		Duplex stainless steel	SUS329J3L	A276-S31803	X2CrNiMoN22-5-3(1.4462)				○

(*1) Duplex stainless steel is used for wetted part only. The remaining atmospheric side of shaft is made of carbon steel.

(*2) Deep groove ball bearing,single row / Vacuum degassed steel

Materials of gland packing application (*3)

● : Standard ○ : Optional

No.	Name of part	Material	JIS Material	ASTM equivalent	ISO or EN equivalent	Remarks	Material group A1	A2	D1
018	CASING COVER (cylindrical)	304 Stainless steel	SCS13	A351-CF8	GX5CrNi19-10(1.4308)		●		
		316 Stainless steel	SCS14A	A351-CF8M	GX5CrNiMo19-11-2(1.4408)			○	
		Duplex stainless steel	--	A890-1B(CD4MCuN)	GX2CrNiMoCuN-25-6-3-3(1.4517)				NA
041	SHAFT SLEEVE	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	
		Duplex stainless steel	SUS329J3L	A276-S31803	X2CrNiMoN22-5-3(1.4462)				NA
090	LANTERN RING	304 Stainless steel	SCS13	A351-CF8	GX5CrNi19-10(1.4308)		●		NA
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	NA
091	GLAND	304 Stainless steel	SCS13	A351-CF8	GX5CrNi19-10(1.4308)		●		NA
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	NA
117	GASKET	Joint sheet gasket	---	---	---	V#6500AC eq.	●	●	NA
119	GLAND PACKING	Silicone carbide fiber packing	---	---	---	P#6501L	●	●	NA
124	GLAND BOLT	304 Stainless steel	SUS304	A276-304	X5CrNi18-10(1.4301)		●		NA
		316 Stainless steel	SUS316	A276-316	X5CrNiMo17-12-2(1.4401)			○	NA

(*3) The components which constitute the gland packing pump are these parts instead of P/N 018, 042 and 111of the mechanical seal pump.

Explanation of Material Group

Material Group	Casing, 001 and Casing Cover, 018	Impeller, 021	Case Wear Ring, 107	Shaft, 031	Notes
A1	304 Stainless steel	304 Stainless steel	316 Stainless steel	Duplex stainless steel	304/316 Stainless steel wetted parts with Duplex stainless steel shaft
A2	316 Stainless steel	316 Stainless steel	316 Stainless steel	Duplex stainless steel	316 Stainless steel wetted parts with Duplex stainless steel shaft
D1	Duplex stainless steel	Duplex stainless steel	Duplex stainless steel	Duplex stainless steel	All wetted parts are Duplex stainless steel.

Mechanical seal selection of conical type (*1)

Description		Standard	Optional	
Liquid temp (*2)		-10～120 ℃	-10～120 ℃	0～140 ℃
Materials (*3)		SiC / C / FKM	SiC / C / EPDM	Tc / C / EPDM (*4)
Max. allowable operating pressure (*5)(*6)	Shaft no. 230,240,250,260	-0.5～24.5 bar (-0.05～2.45MPa)	-0.5～16 bar (-0.05～1.6MPa)	-0.2～25 bar (-0.02～2.5MPa)
	Shaft no.270	-0.5～16 bar (-0.05～1.6MPa)		

(*1) This table shows only the EBARA standard type mechanical seal. If you want mechanical seal with other types or material combinations, please contact engineering center.

(*2) Please contact engineering center for the application of low temperature mechanical seal.

(*3) SiC : silicon carbide / Tc : Tungsten carbide / C : carbon

(*4) It is prohibited to adopt this type mechanical seal for potable water applications.

(*5) These value show the allowable range of mechanical seal itself.

(*6) Calculation of P box is based on below equation.

Pbox = (0.05 X T.H.) + Ps

Pbox: Box pressure

T.H.: Total head in pressure (Differential pressure)

Ps: Suction pressure

Gland packing

Gland packing material	Liquid temp (*7)	Shaft no.230,240,250		Shaft no.260,270	
		Max.speed	Allowable operating pressure(*7)(*8)	Max.speed	Allowable operating pressure(*7)(*8)
Silicone carbide fiber packing (P#6501L or P#6502L)	0～80℃	3600 min-1	6 bar (0.6 MPa)	1800 min-1	6 bar (0.6 MPa)

(*7) These value show the allowable range of gland packing itself.

(*8) Calculation of P box is based on below equation.

Pbox = (0.05 X T.H.) + Ps

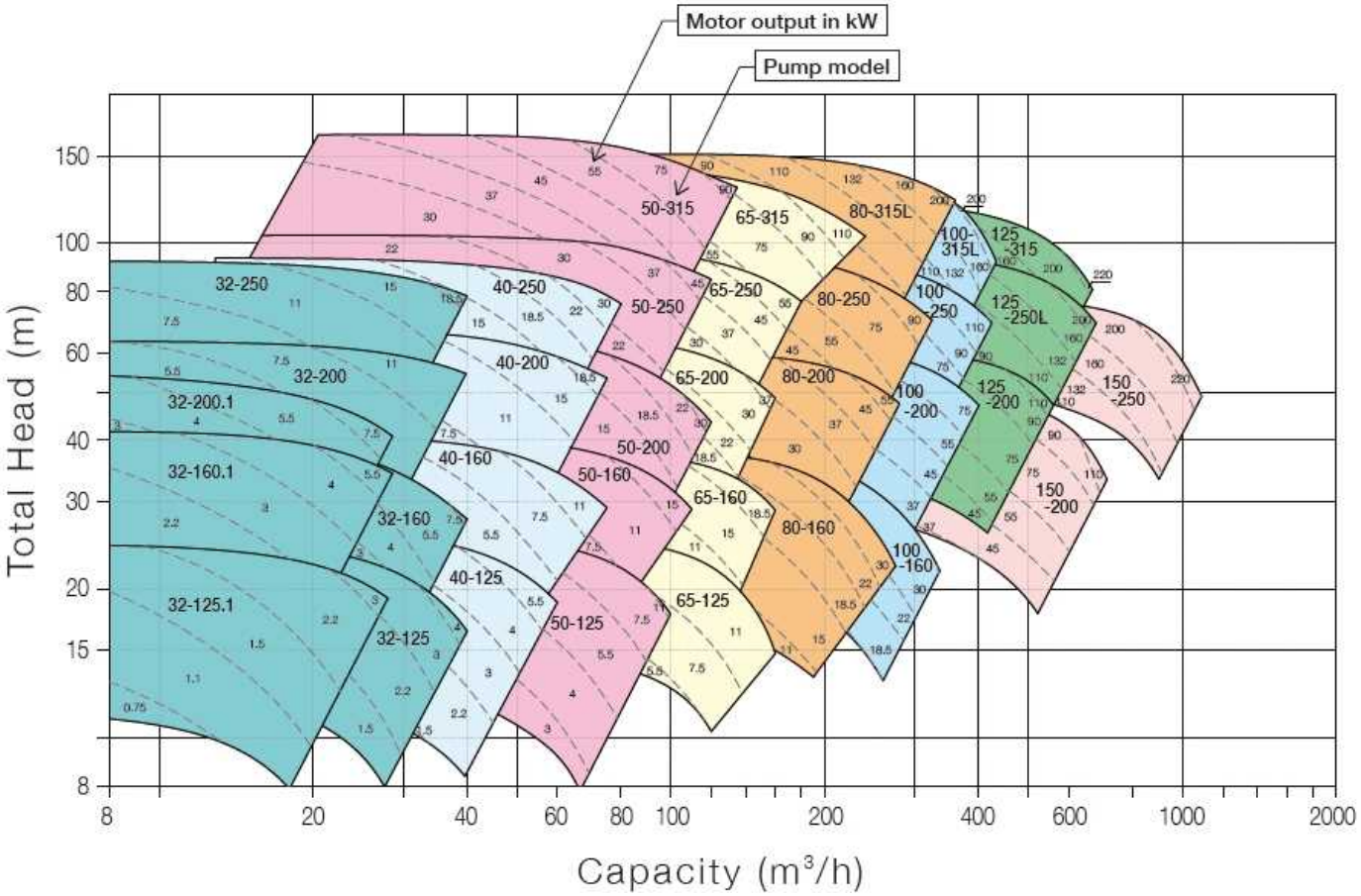
Pbox: Box pressure

T.H.: Total head in pressure (Differential pressure)

Ps: Suction pressure

SELECTION CHART

50Hz – 2900min^{-1}



Note1 : The values inside the broken lines are motor output(kW) in case of density 1.0kg/L and viscosity 1.0mPa・s.

Note2 : The indicated motor output(kW) value includes the following safety margins ;

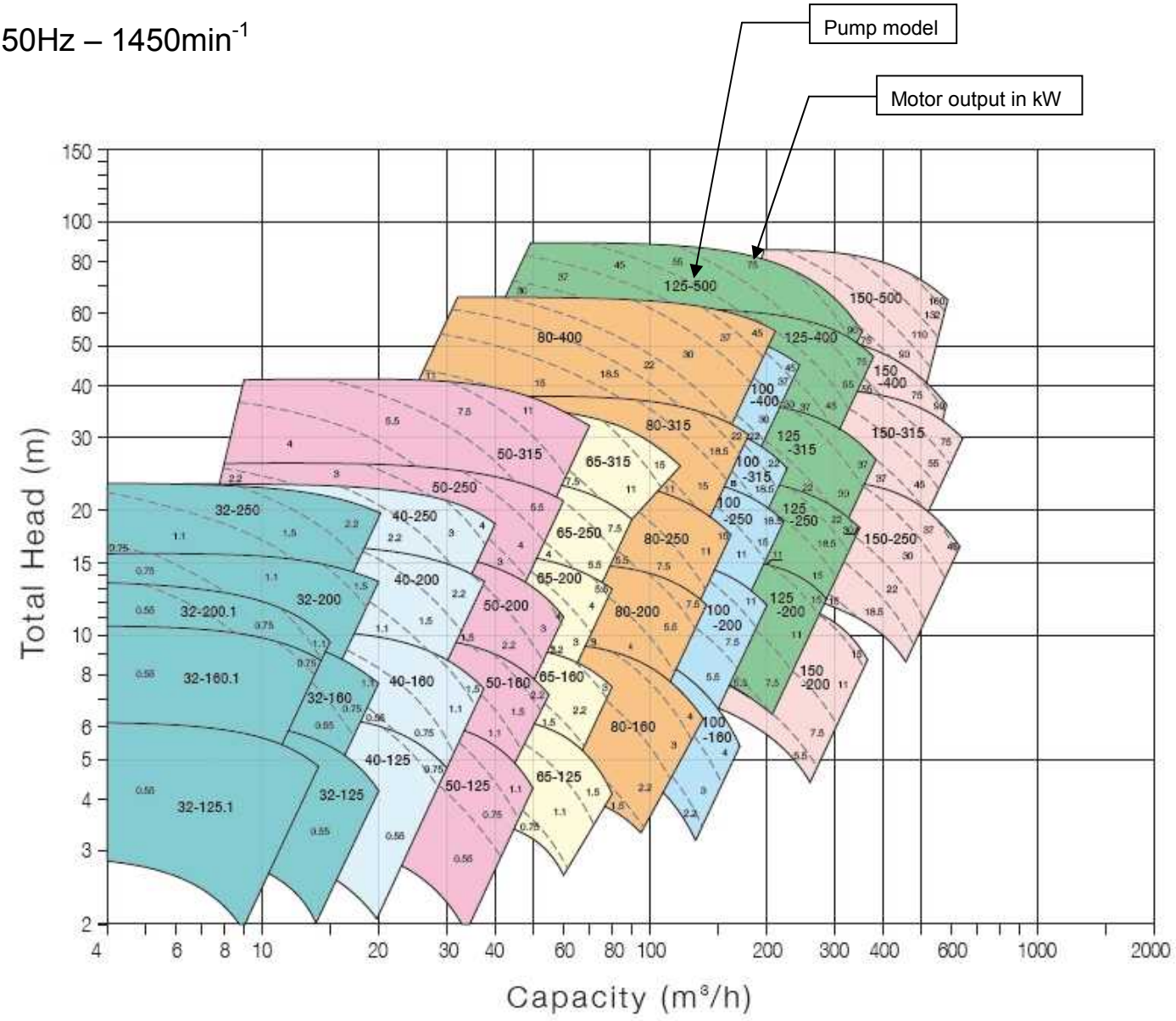
up to 7.5kW : 15%

11kW and above : 10%

Note3 : When selecting a pump , NPSH Av. should have a safety margin of at least 0.5m from NPSH Re.

SELECTION CHART

50Hz – 1450min^{-1}



Note1 : The values inside the broken lines are motor output(kW) in case of density 1.0kg/L and viscosity 1.0mPa・s.

Note2 : The indicated motor output(kW) value includes the following safety margins ;

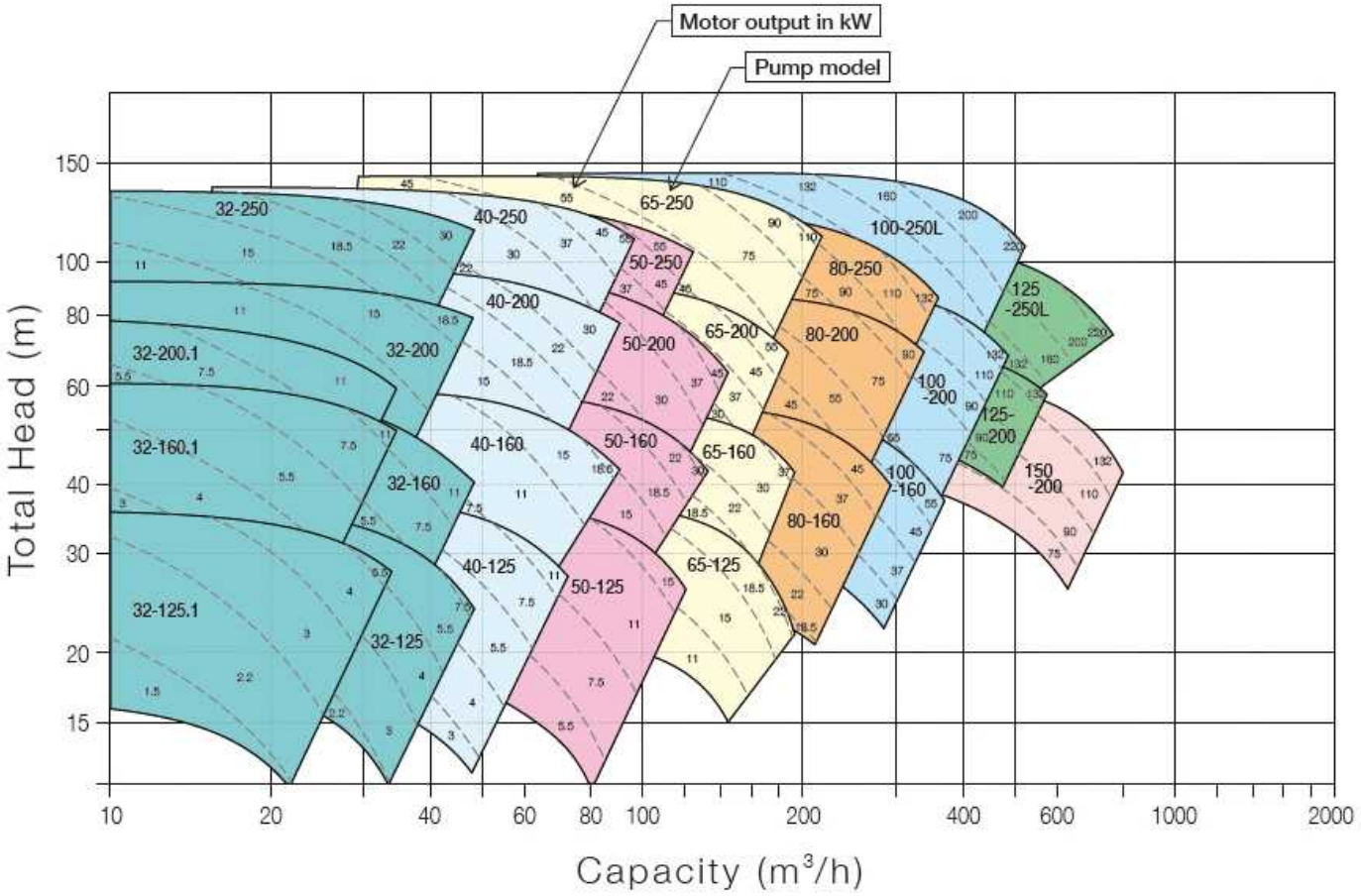
up to 7.5kW : 15%

11kW and above : 10%

Note3 : When selecting a pump , NPSH Av. should have a safety margin of at least 0.5m from NPSH Re.

SELECTION CHART

60Hz – 3500min^{-1}



Note1 : The values inside the broken lines are motor output(kW) in case of density 1.0kg/L and viscosity 1.0mPa・s.

Note2 : The indicated motor output(kW) value includes the following safety margins ;

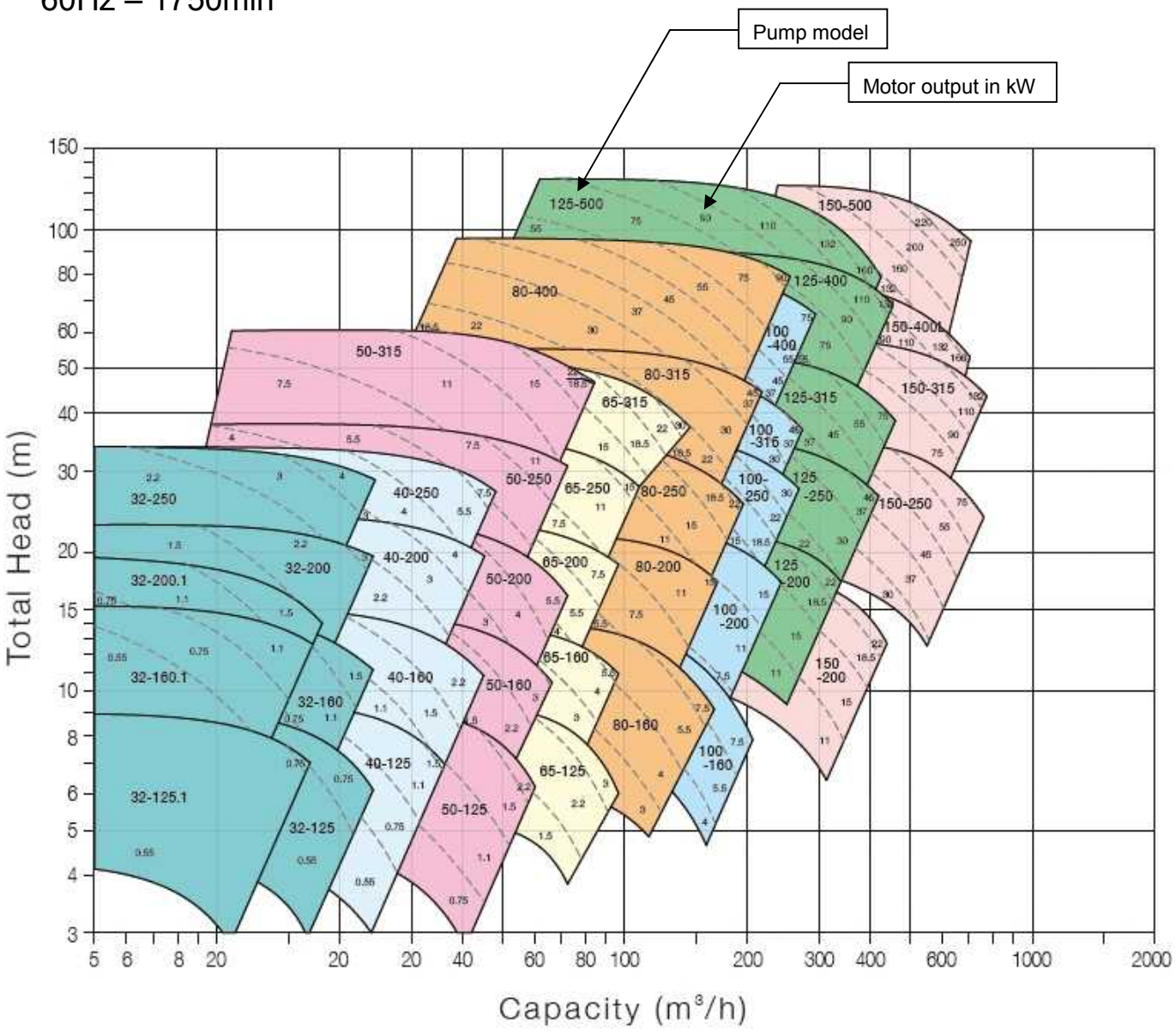
up to 7.5kW : 15%

11kW and above : 10%

Note3 : When selecting a pump , NPSH Av. should have a safety margin of at least 0.5m from NPSH Re.

SELECTION CHART

60Hz – 1750min^{-1}



Note1 : The values inside the broken lines are motor output(kW) in case of density 1.0kg/L and viscosity 1.0mPa・s.

Note2 : The indicated motor output(kW) value includes the following safety margins ;

up to 7.5kW : 15%

11kW and above : 10%

Note3 : When selecting a pump , NPSH Av. should have a safety margin of at least 0.5m from NPSH Re.

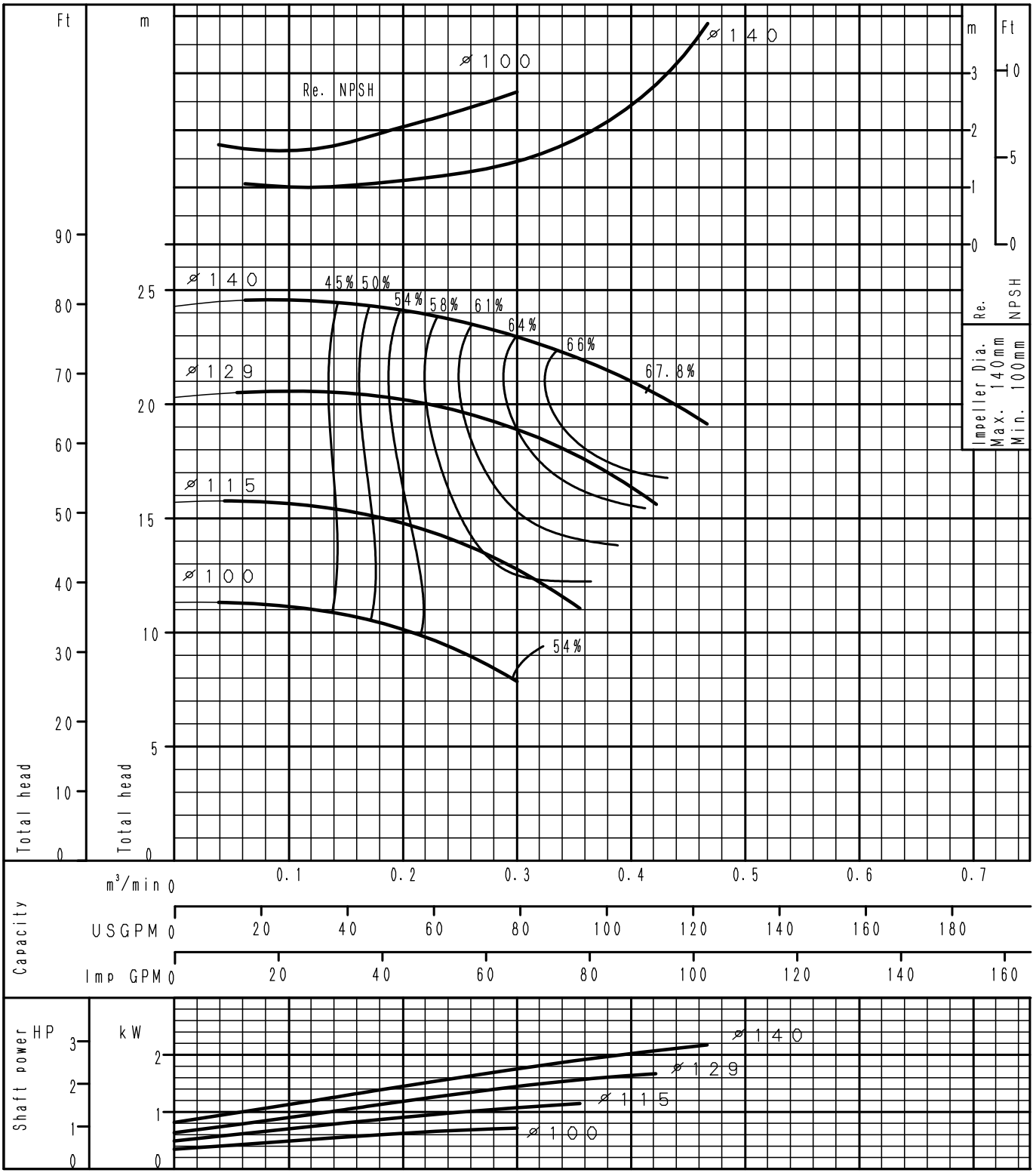
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-125.1	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630796-01

EBARA

EBARA CORPORATION

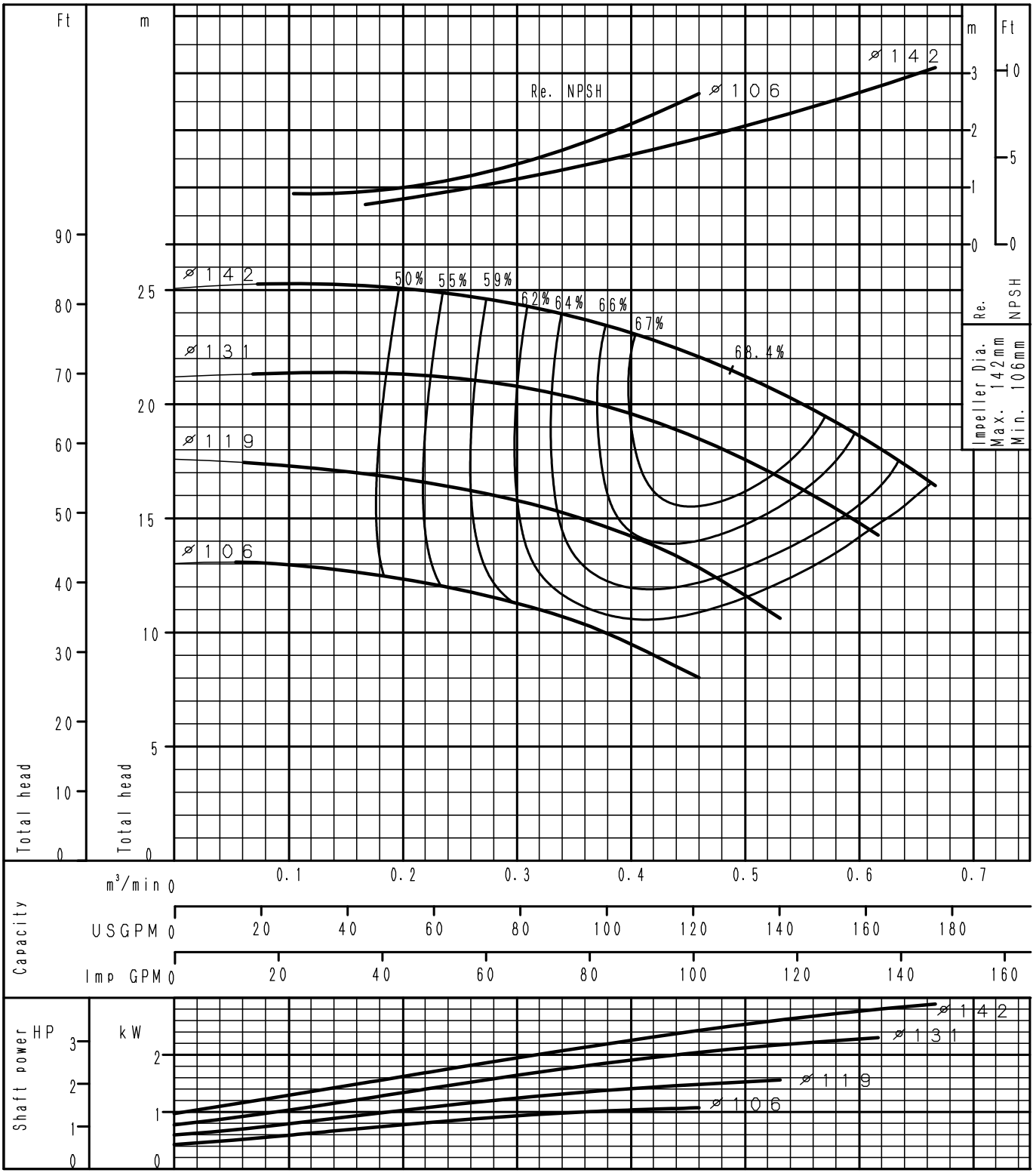
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630797-01

EBARA

EBARA CORPORATION

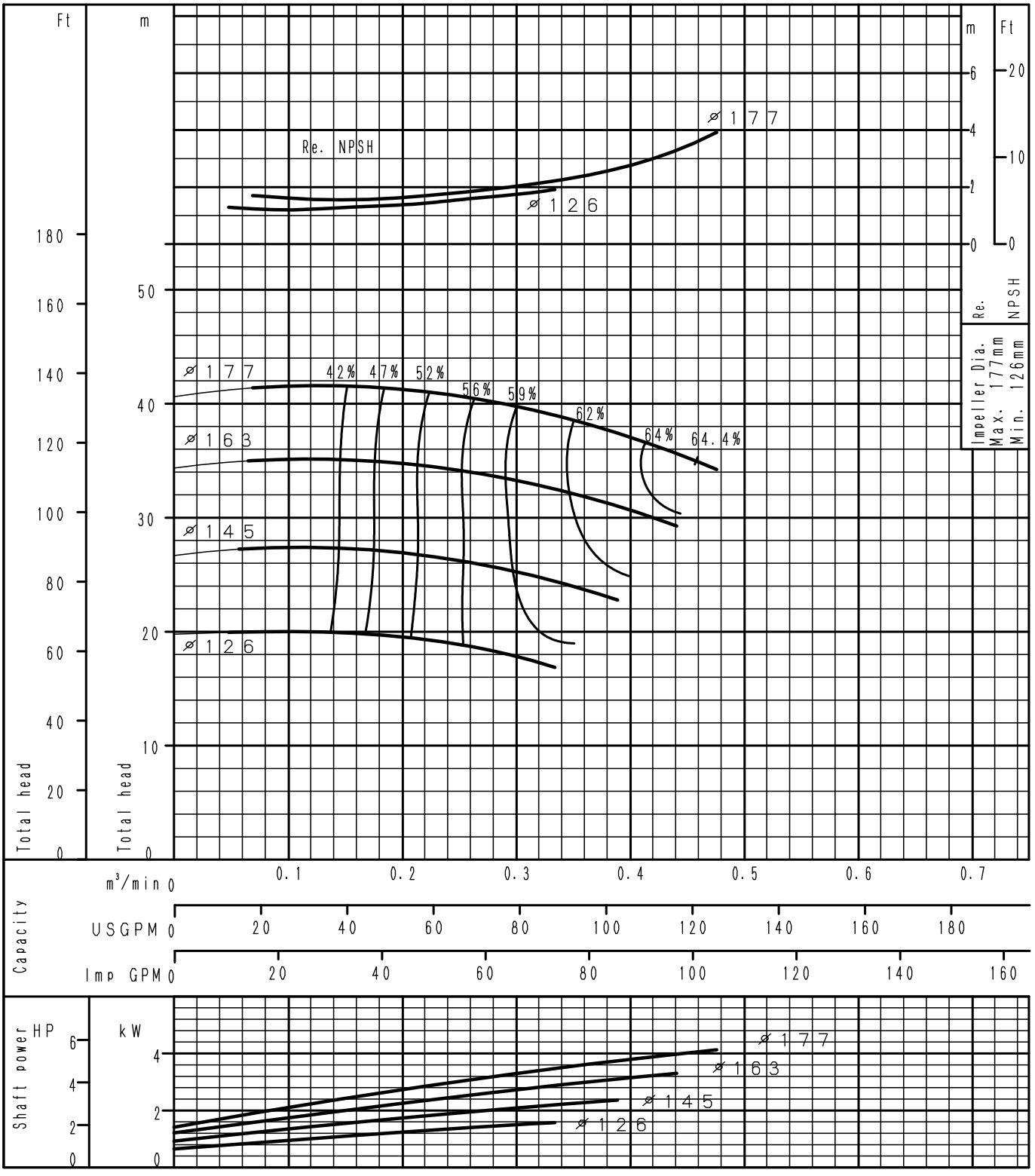
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-160.1	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630798-01

EBARA

EBARA CORPORATION

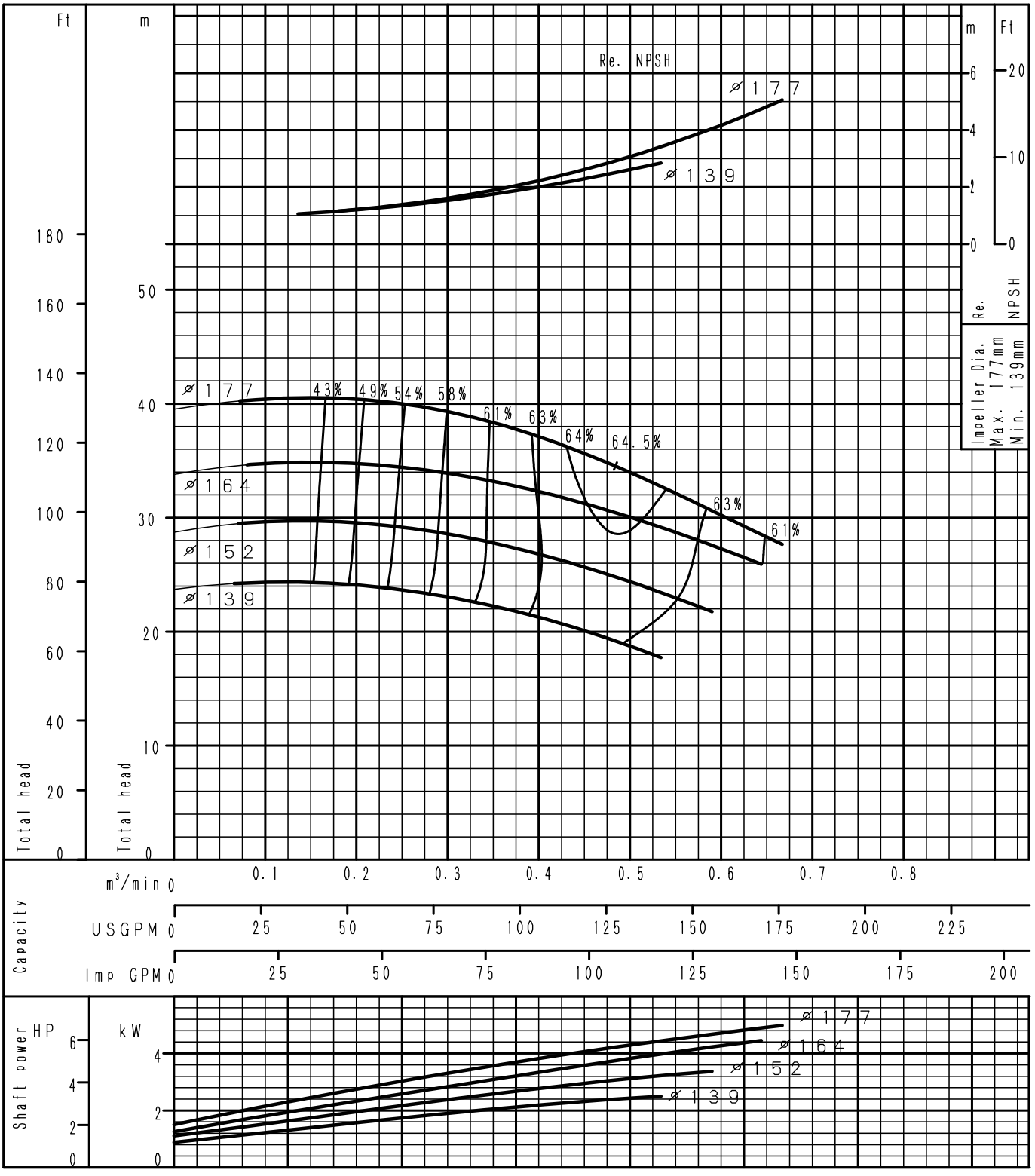
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630799-01

EBARA

EBARA CORPORATION

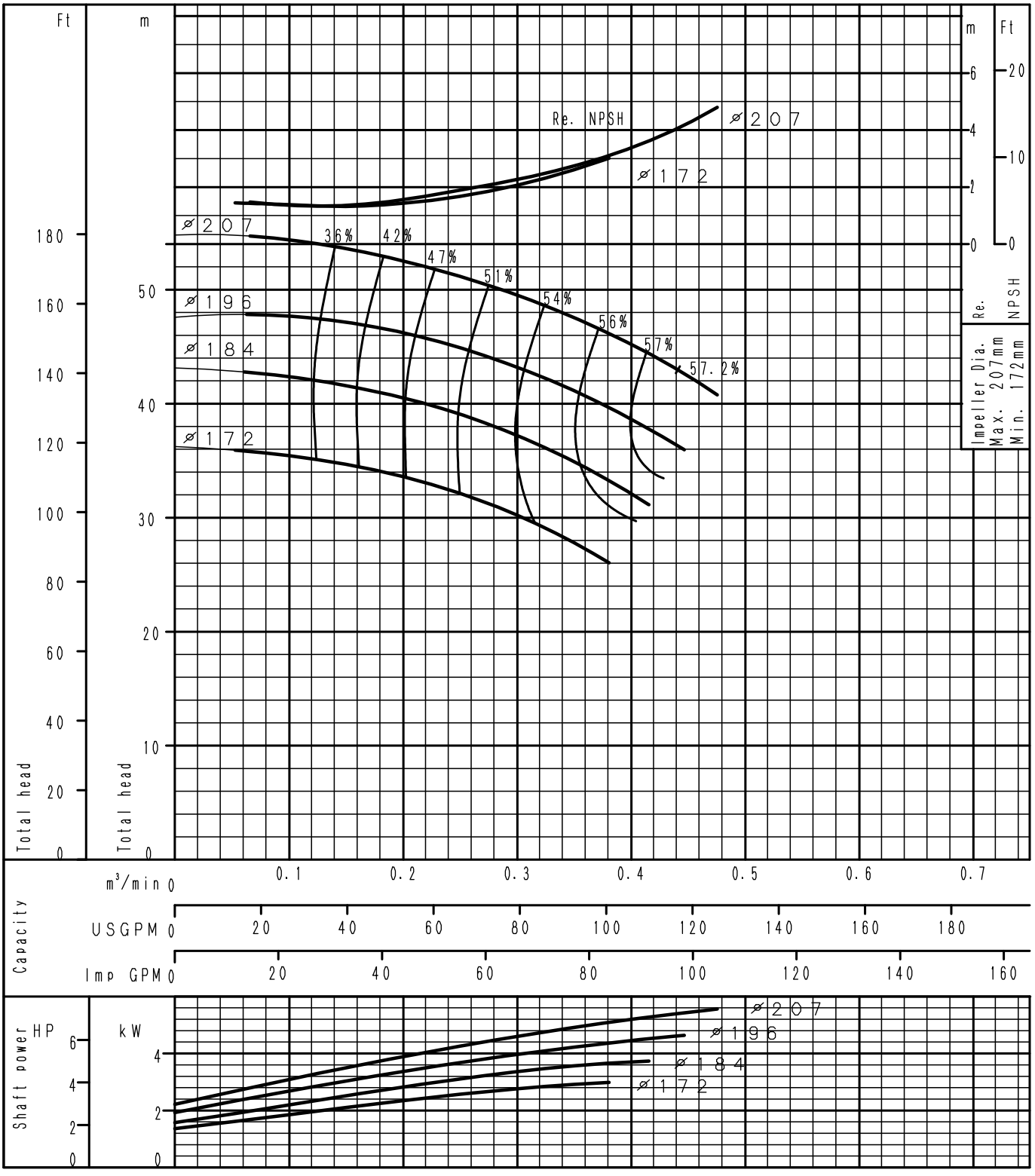
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-200.1	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630800-01

EBARA

EBARA CORPORATION

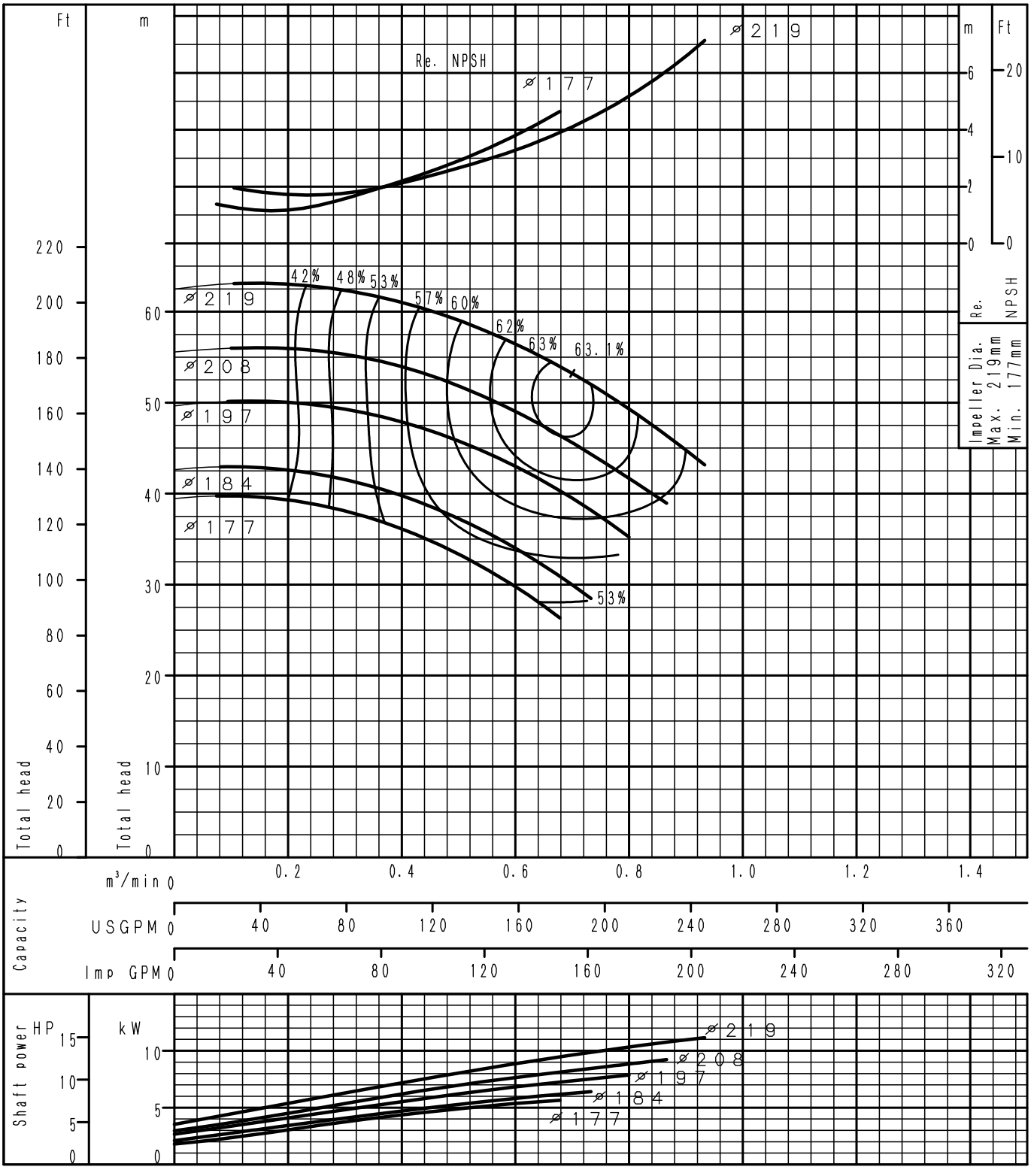
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630801-01

EBARA

EBARA CORPORATION

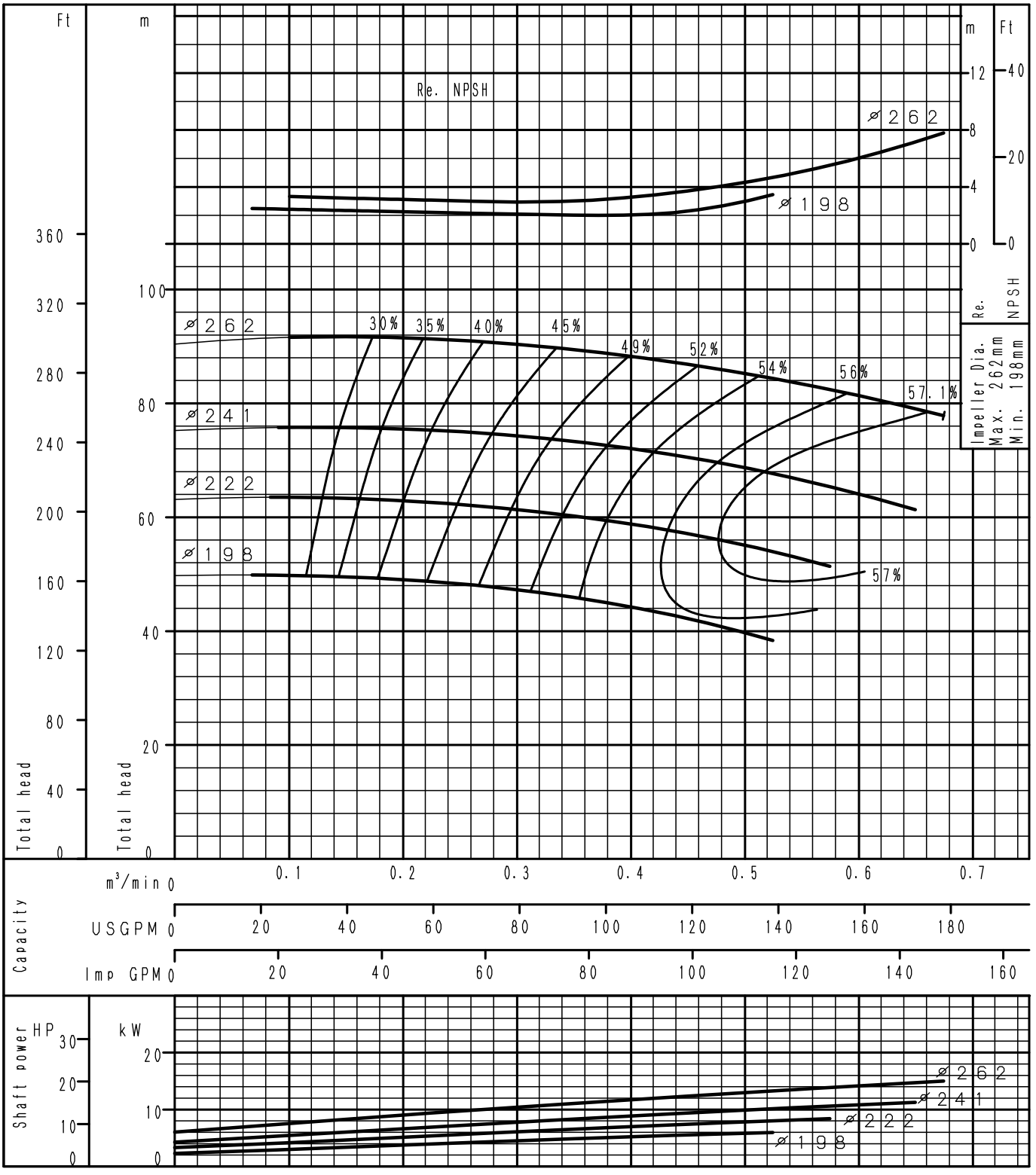
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630802-01

EBARA

EBARA CORPORATION

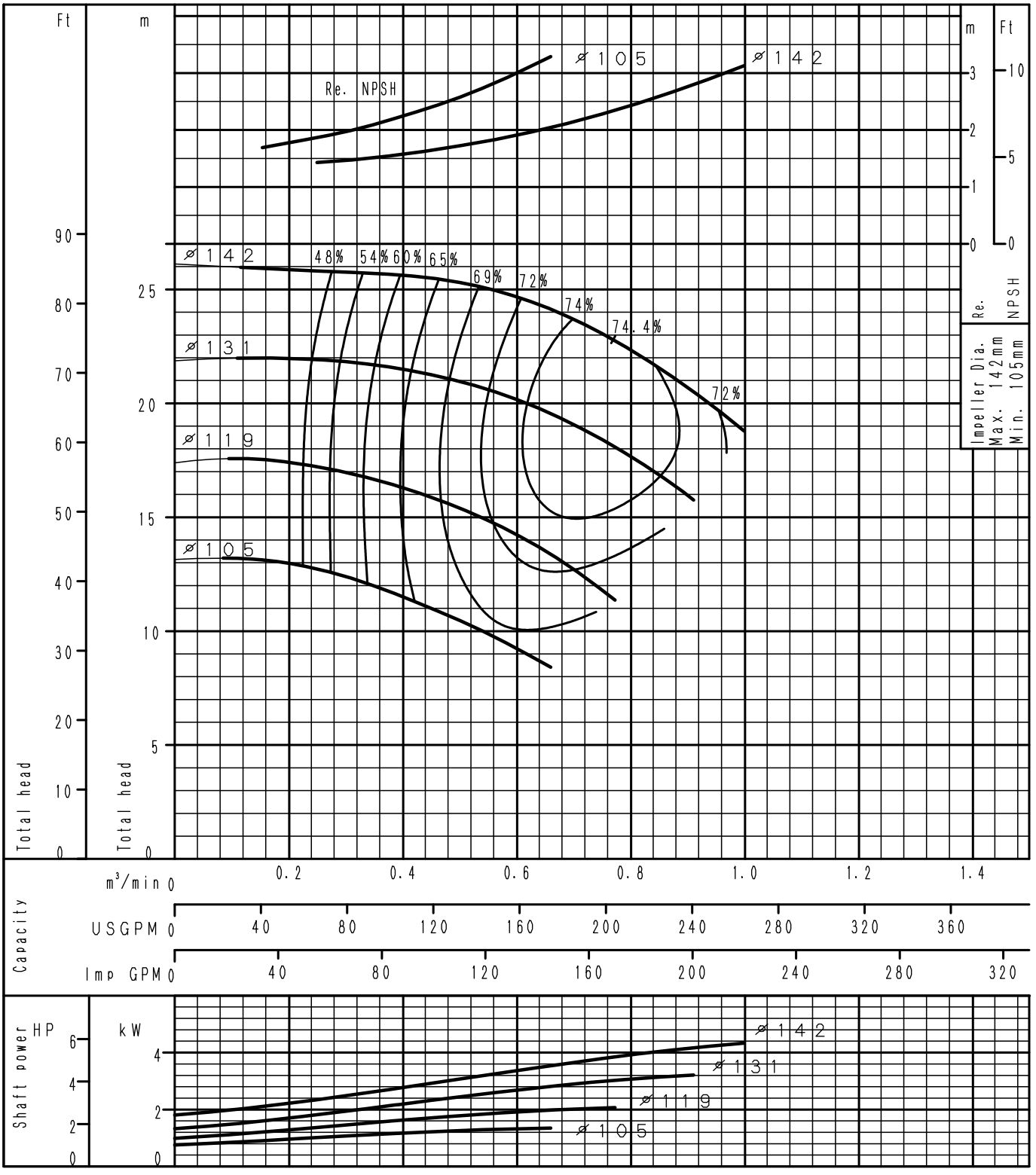
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630803-01

EBARA

EBARA CORPORATION

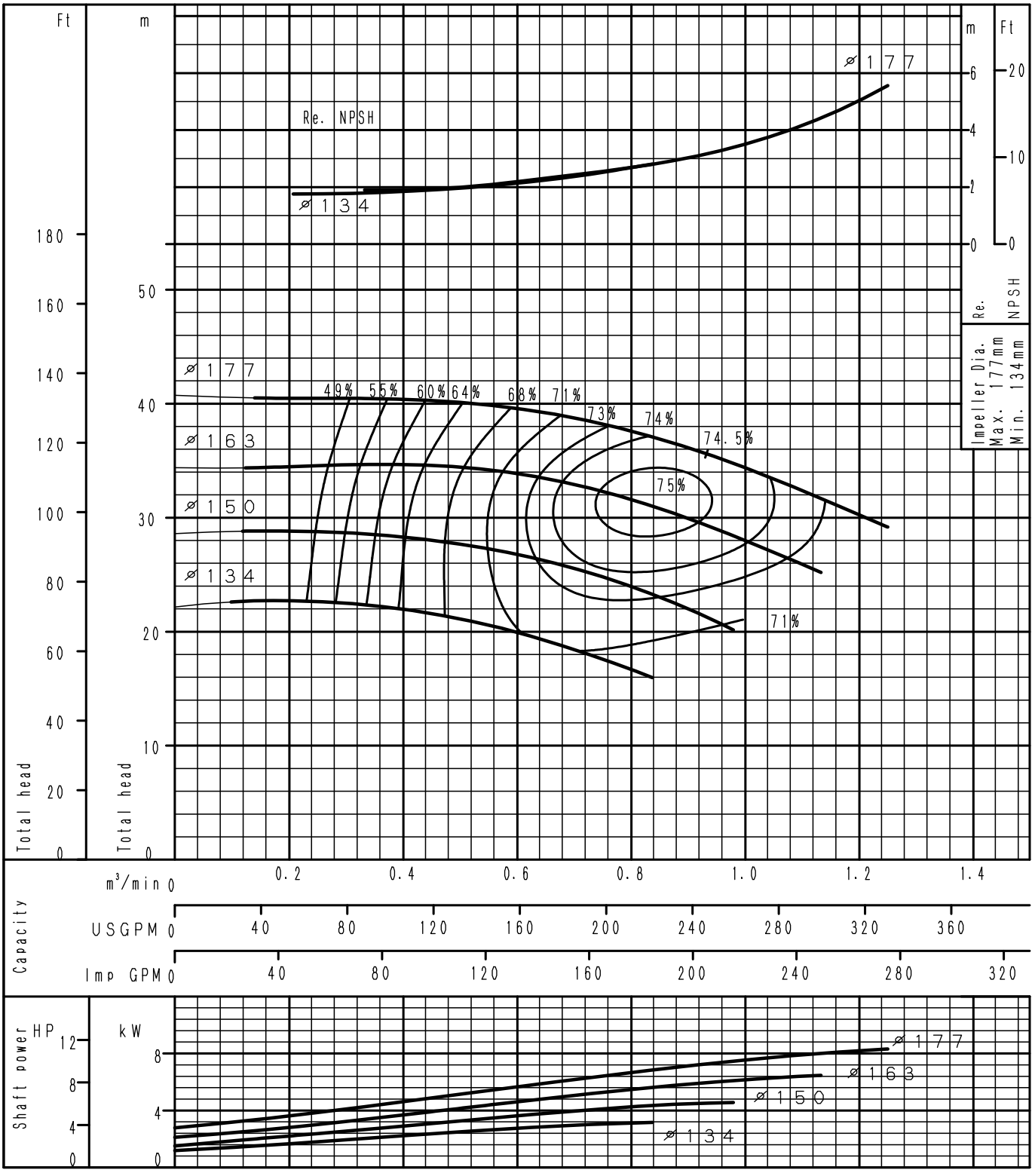
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630804-01

EBARA

EBARA CORPORATION

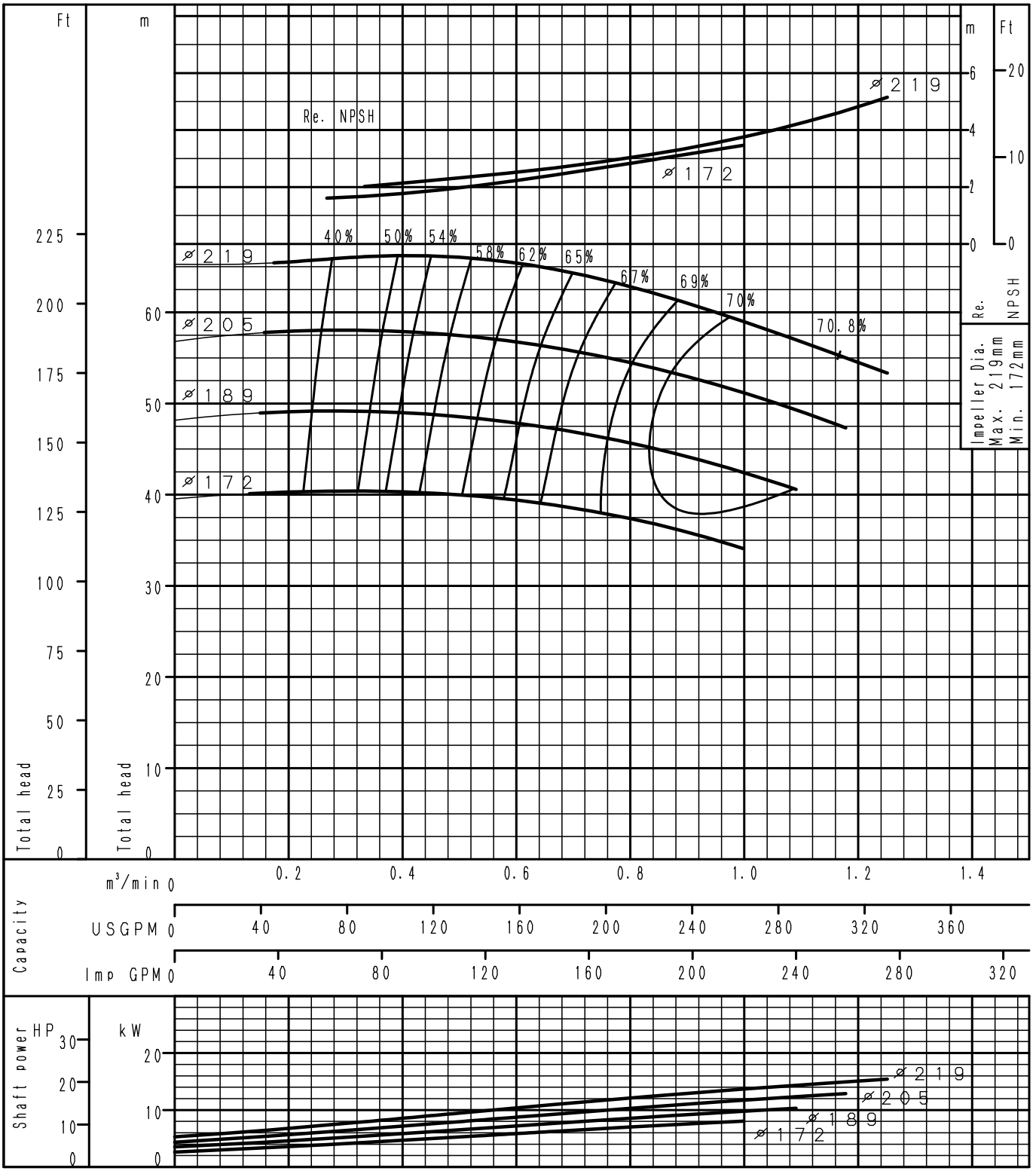
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630805-01

EBARA

EBARA CORPORATION

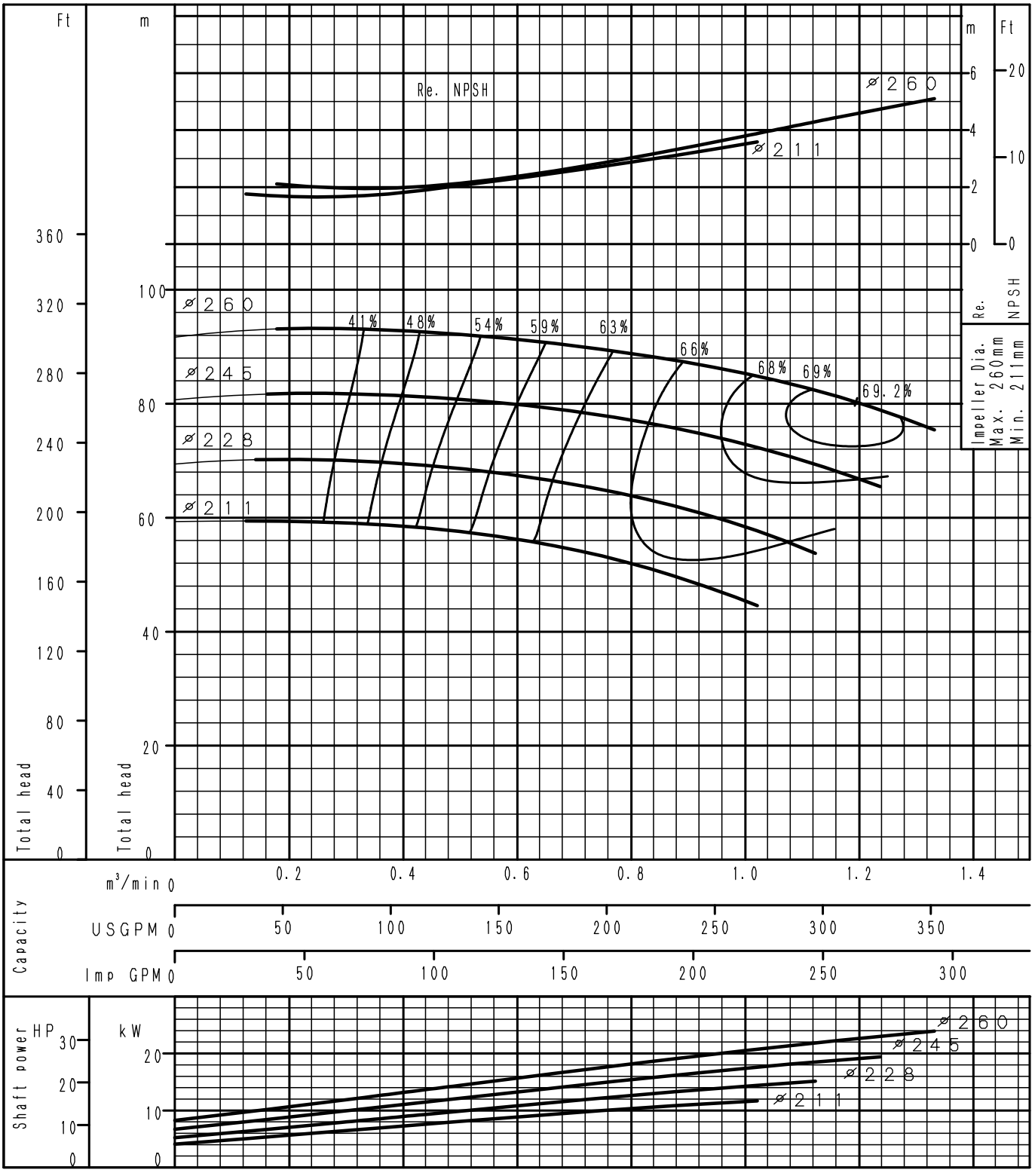
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630806-01

EBARA

EBARA CORPORATION

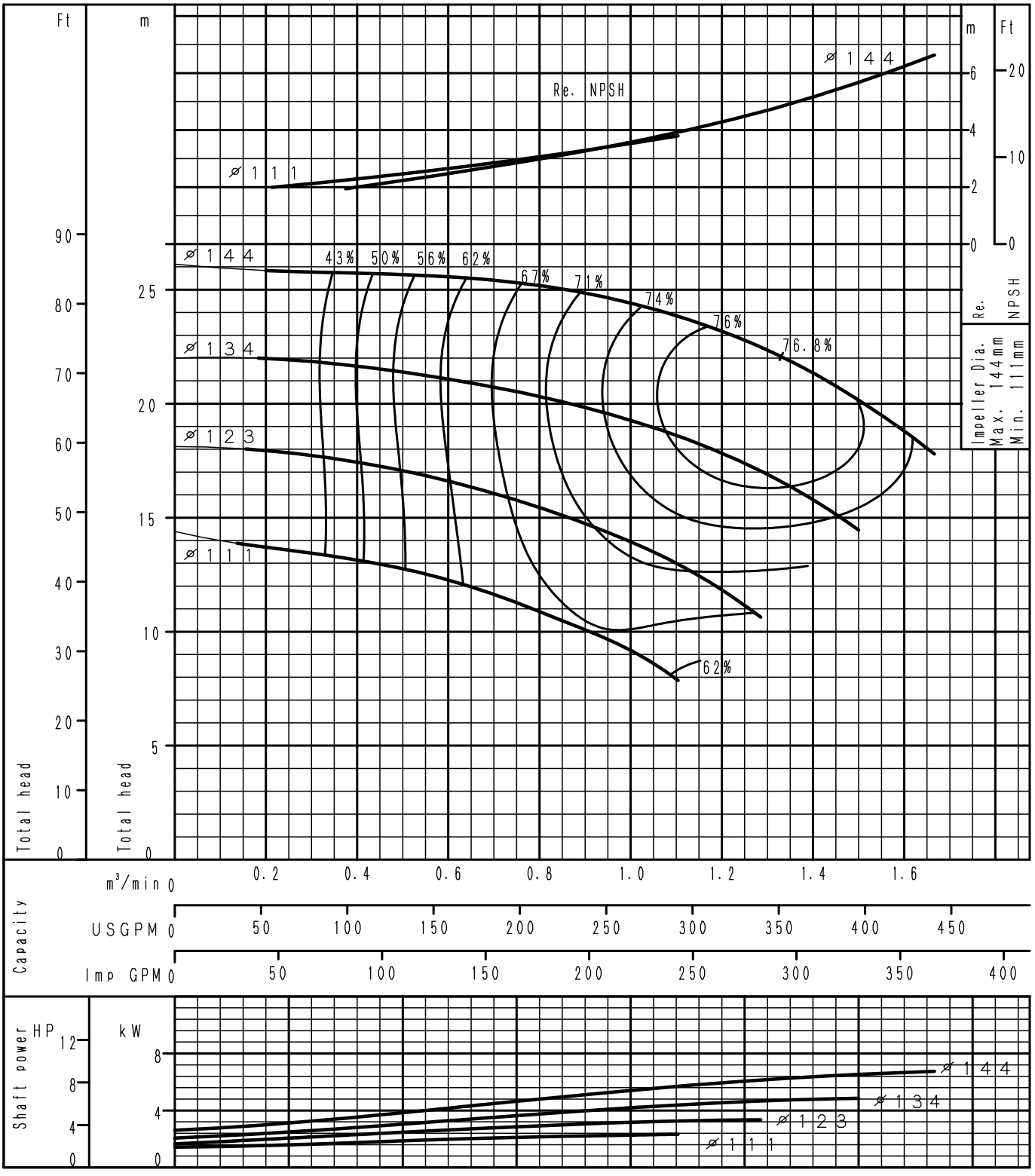
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630807-01

EBARA

EBARA CORPORATION

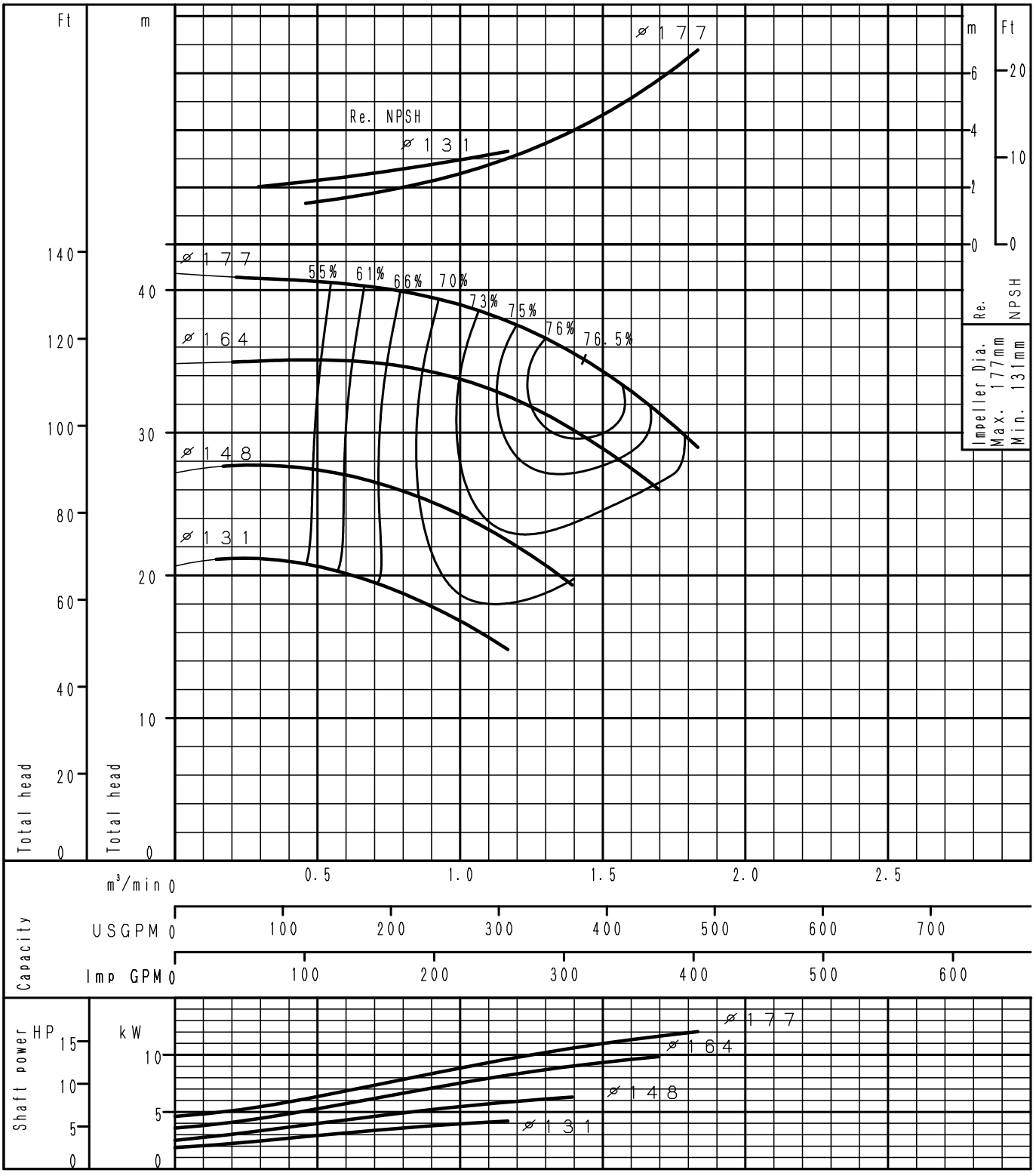
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630808-01

EBARA

EBARA CORPORATION

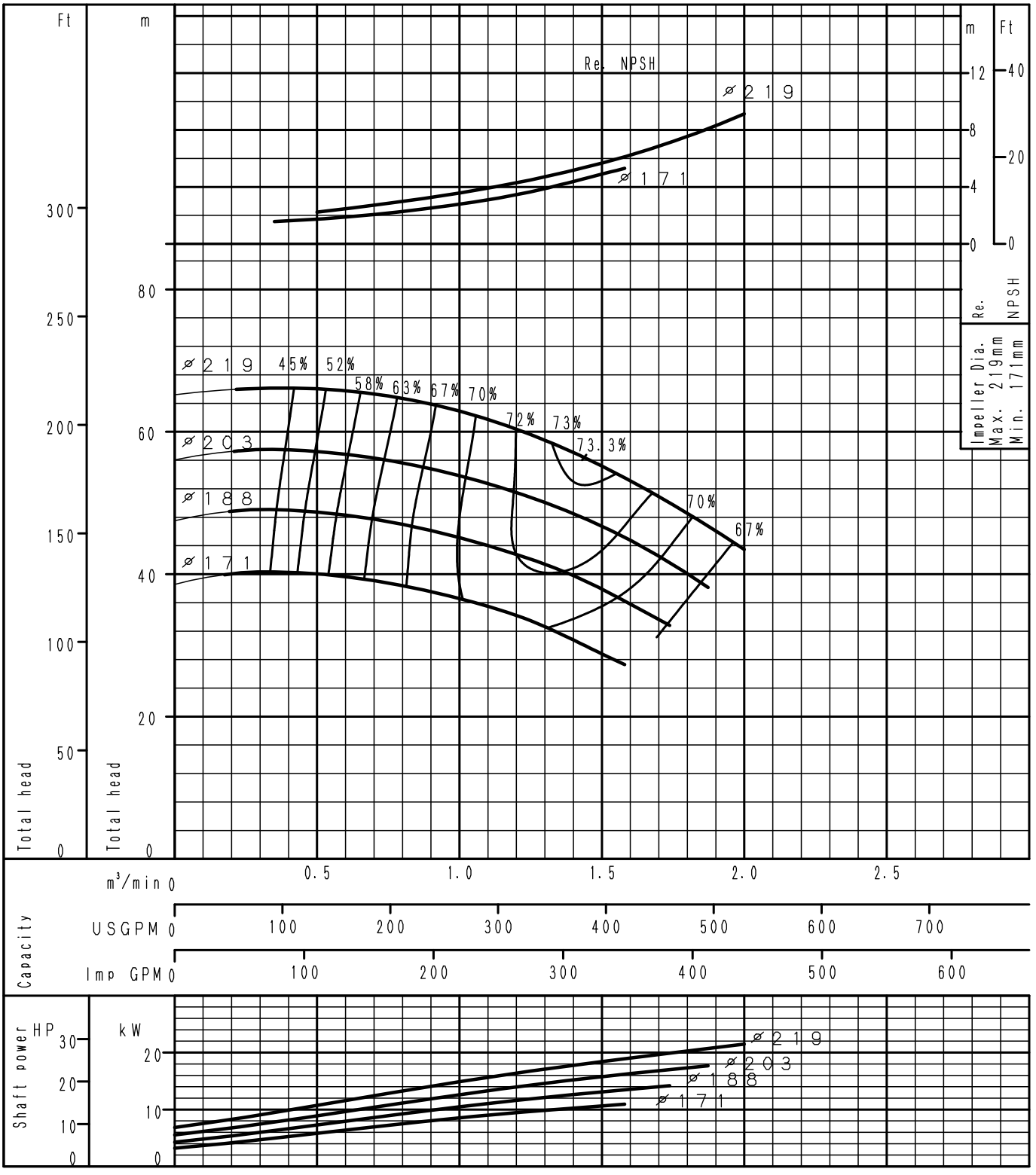
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630809-01

EBARA

EBARA CORPORATION

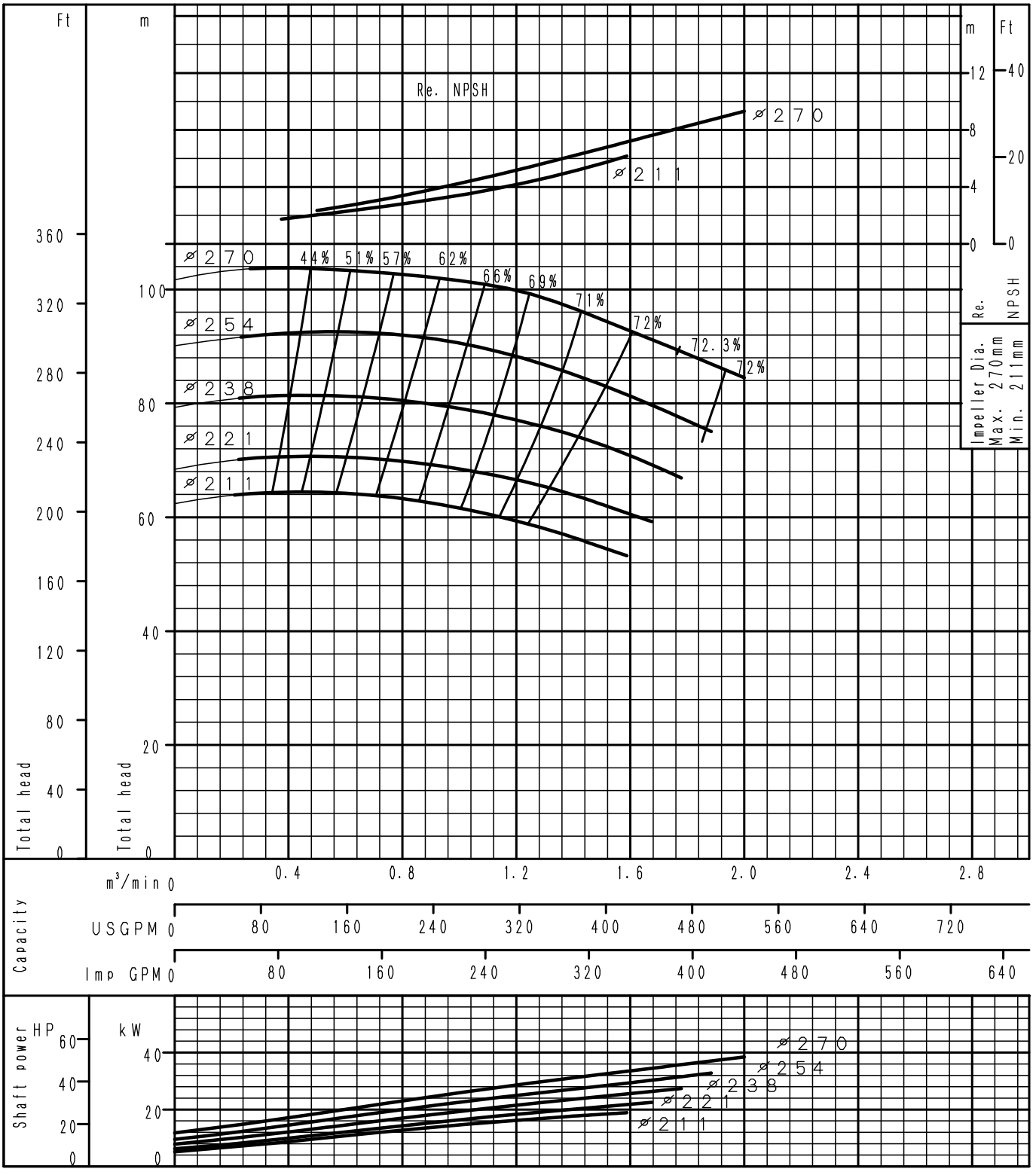
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630810-01

EBARA

EBARA CORPORATION

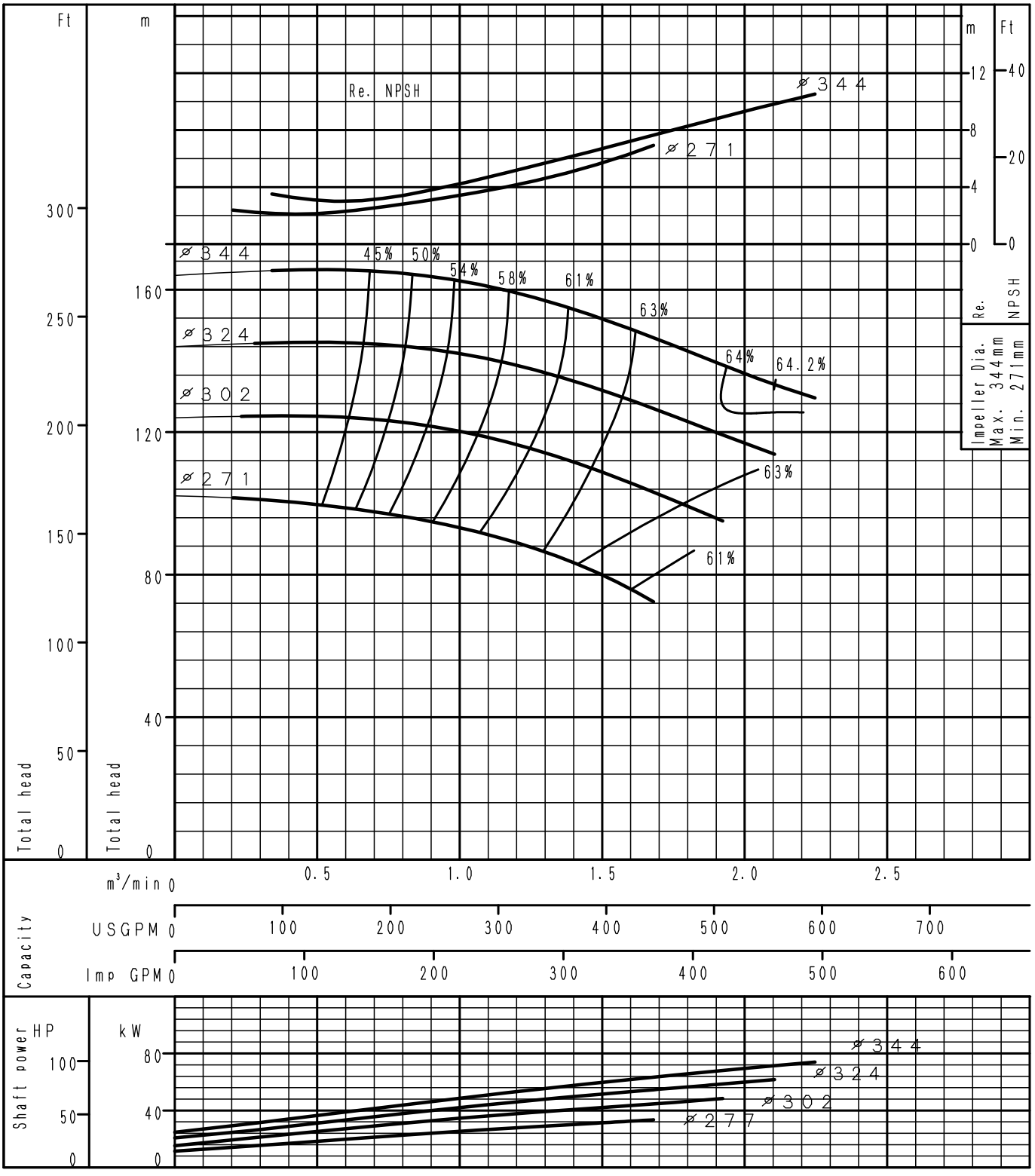
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630811-01

EBARA

EBARA CORPORATION

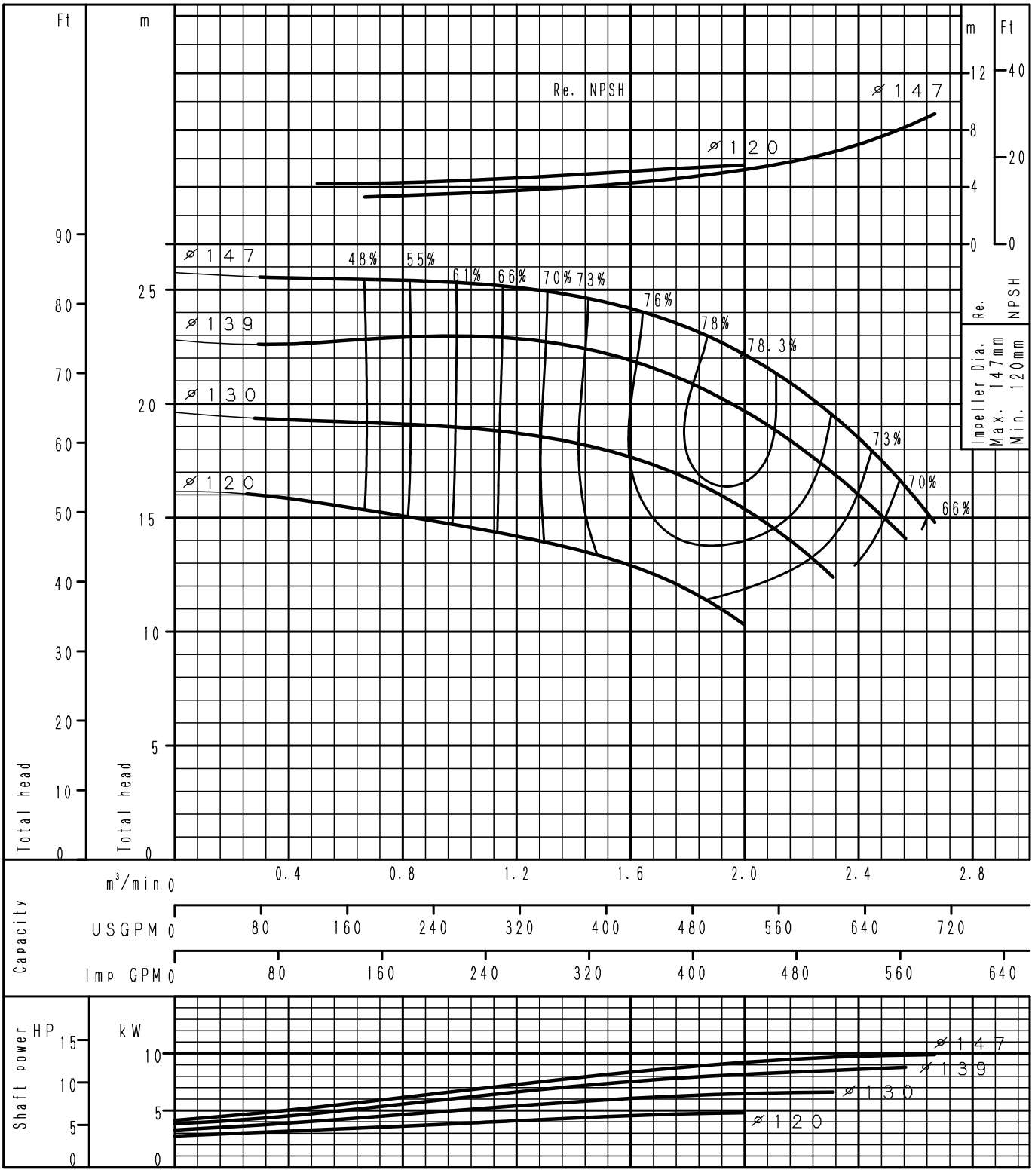
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630812-01

EBARA

EBARA CORPORATION

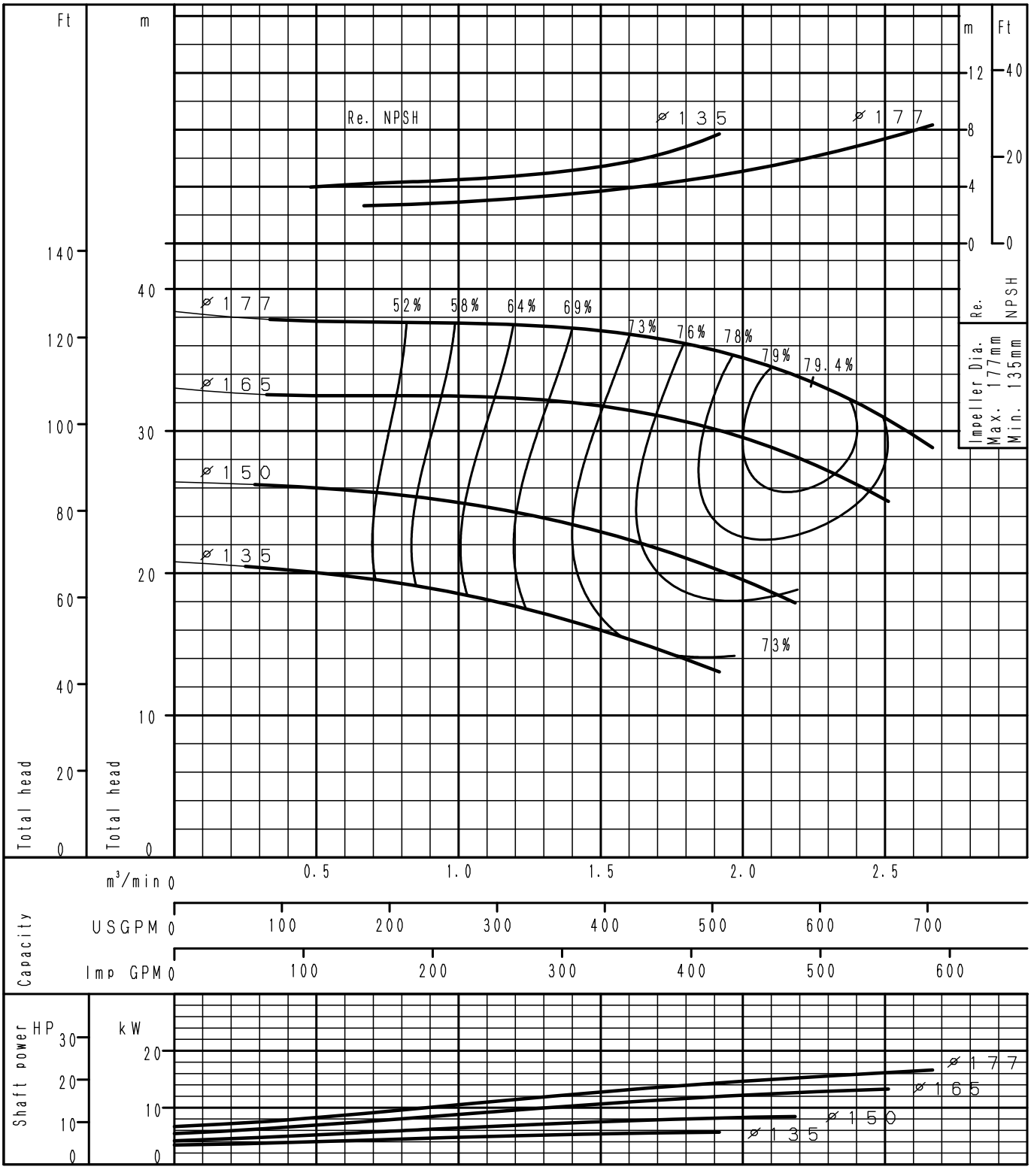
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630813-01

EBARA

EBARA CORPORATION

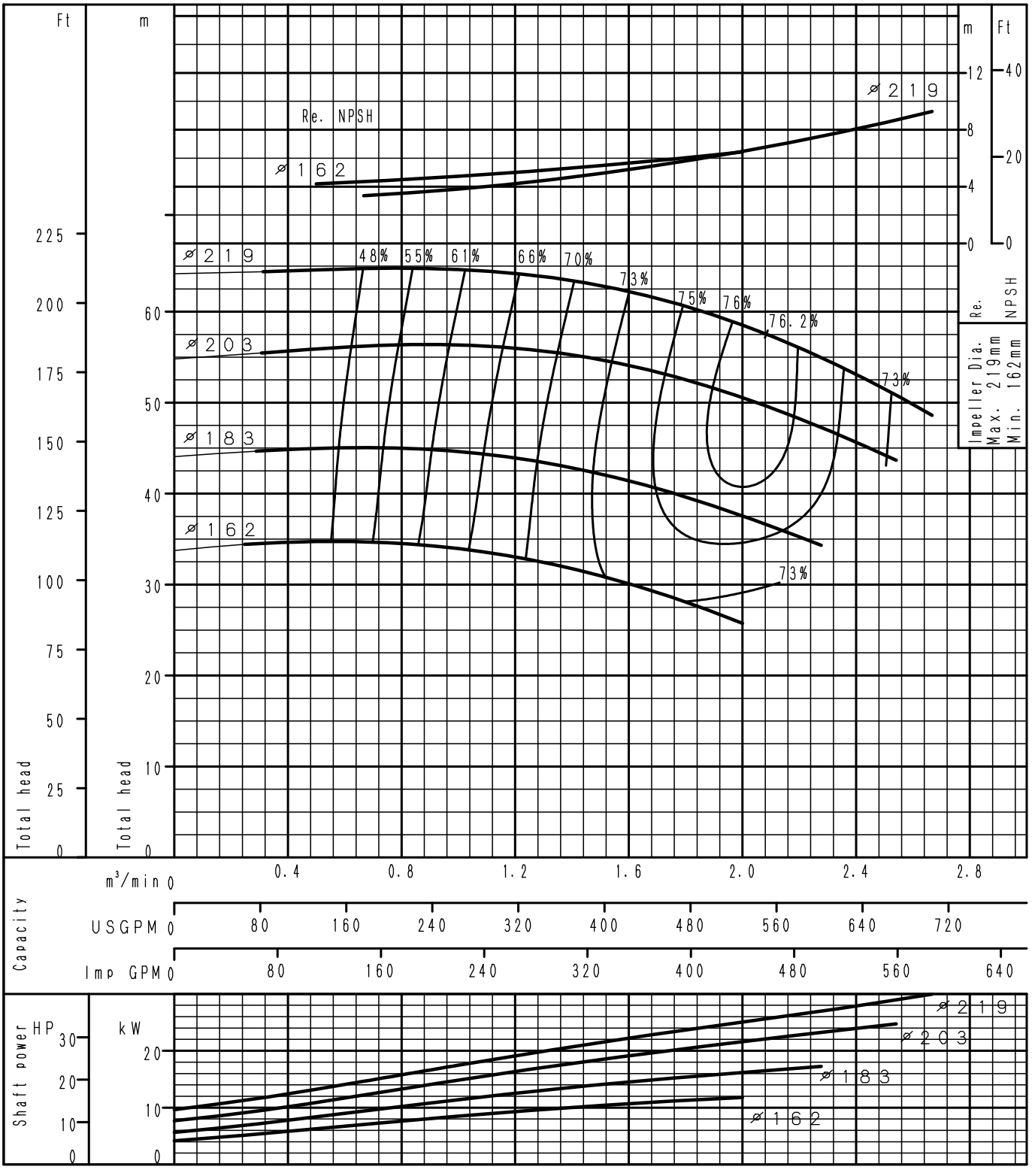
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630814-01

EBARA

EBARA CORPORATION

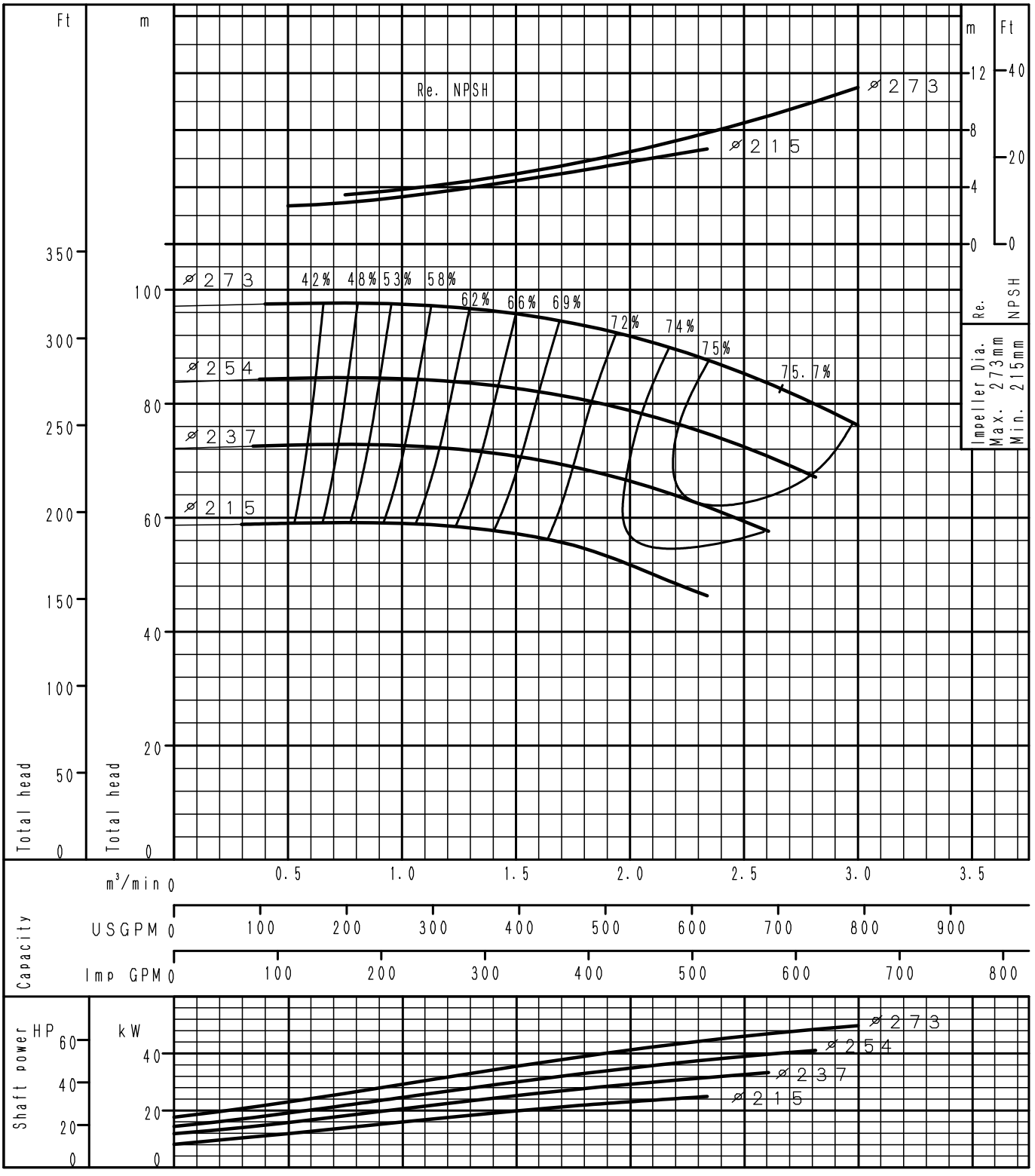
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630815-01

EBARA

EBARA CORPORATION

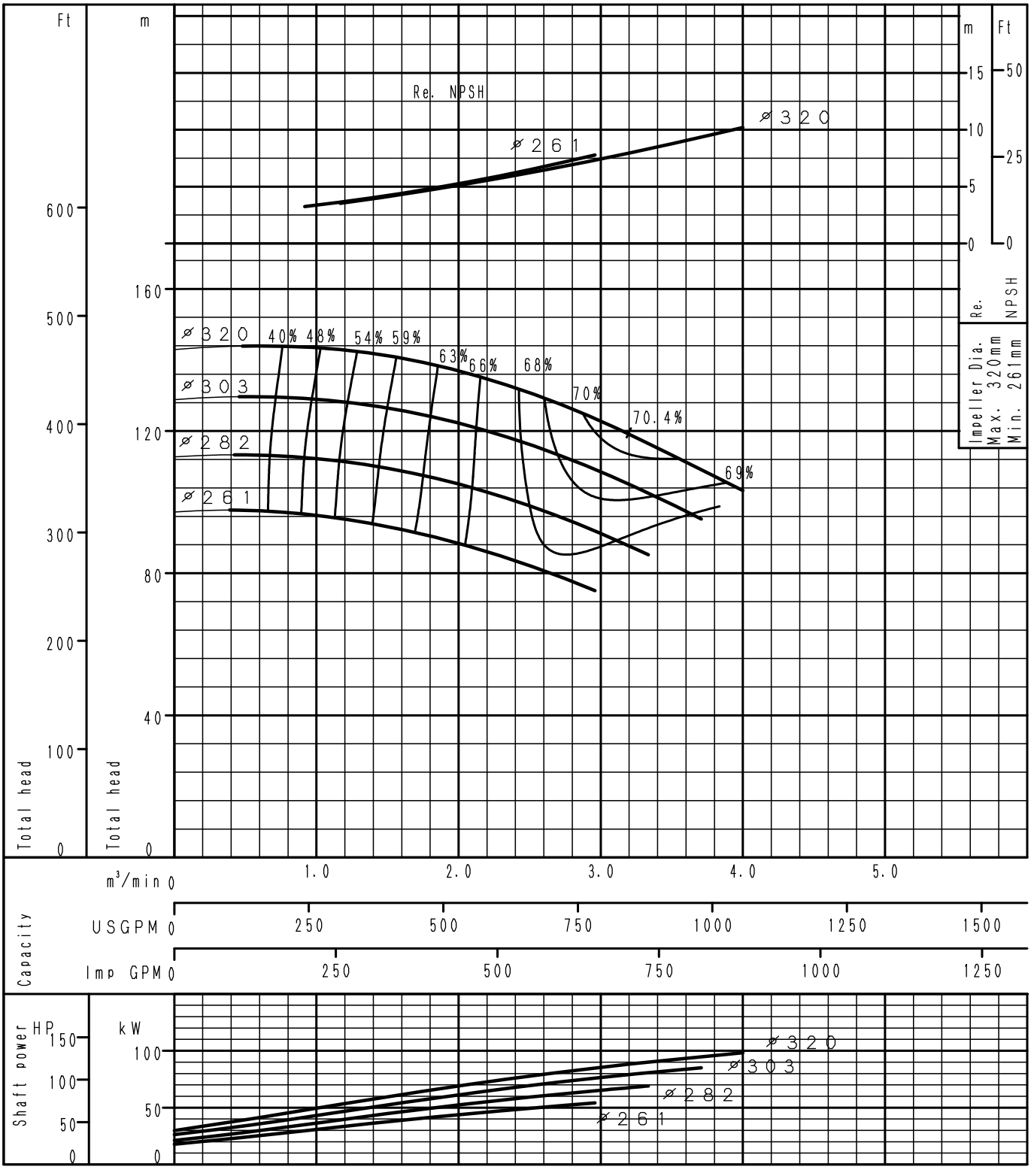
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630816-01

EBARA

EBARA CORPORATION

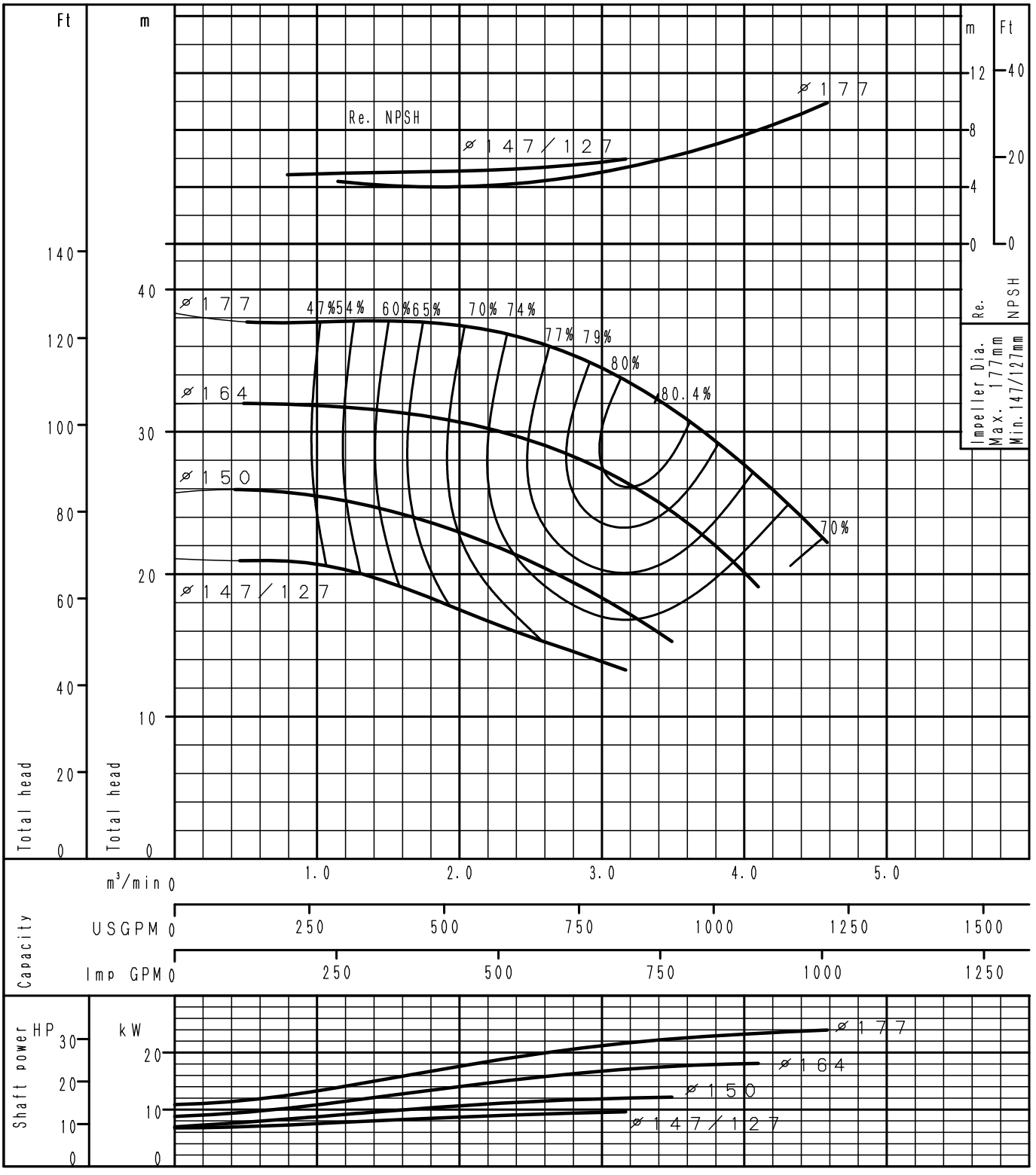
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS80-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630817-01

EBARA

EBARA CORPORATION

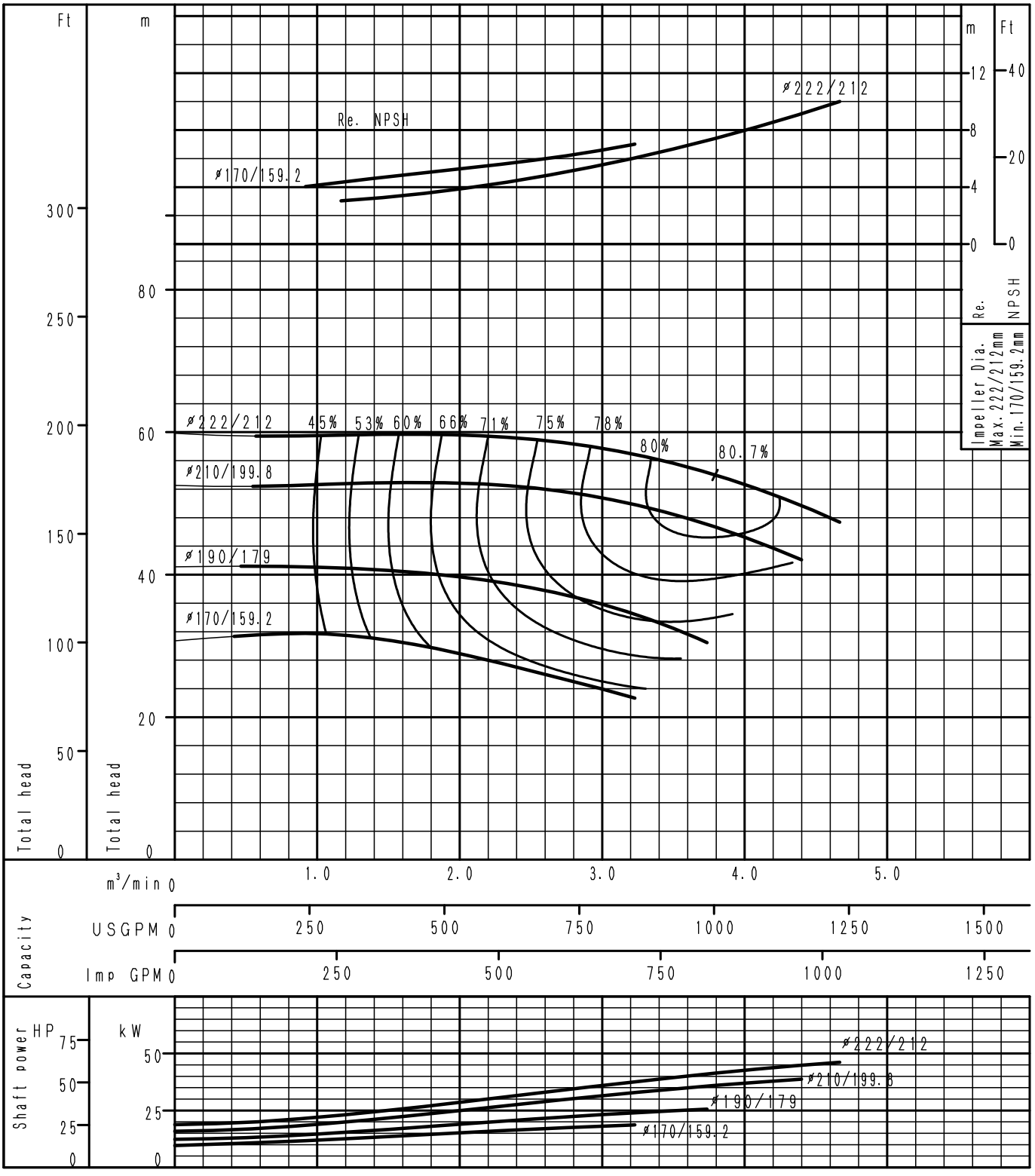
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS80-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630818-01

EBARA

EBARA CORPORATION

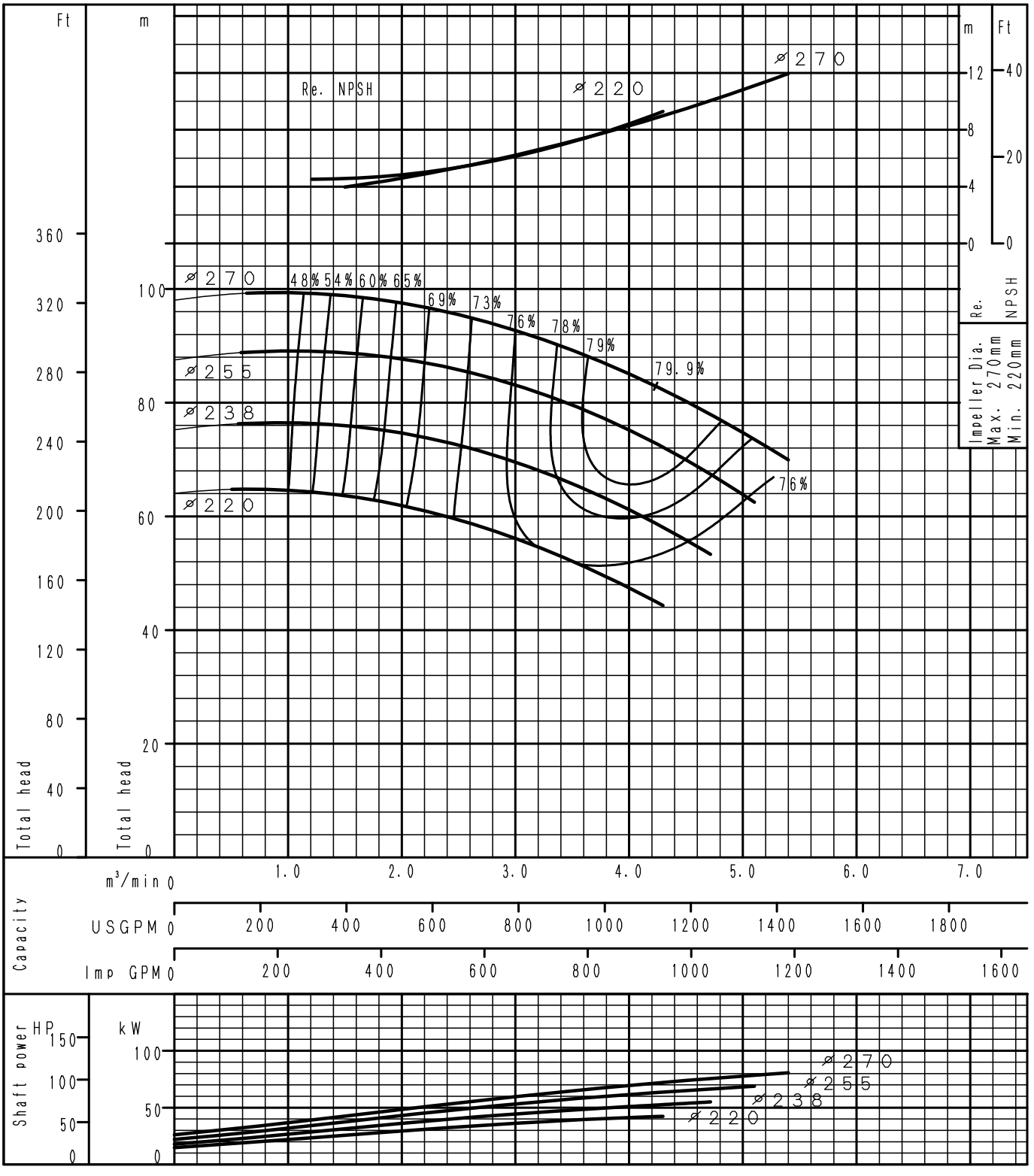
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS80-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630819-01

EBARA

EBARA CORPORATION

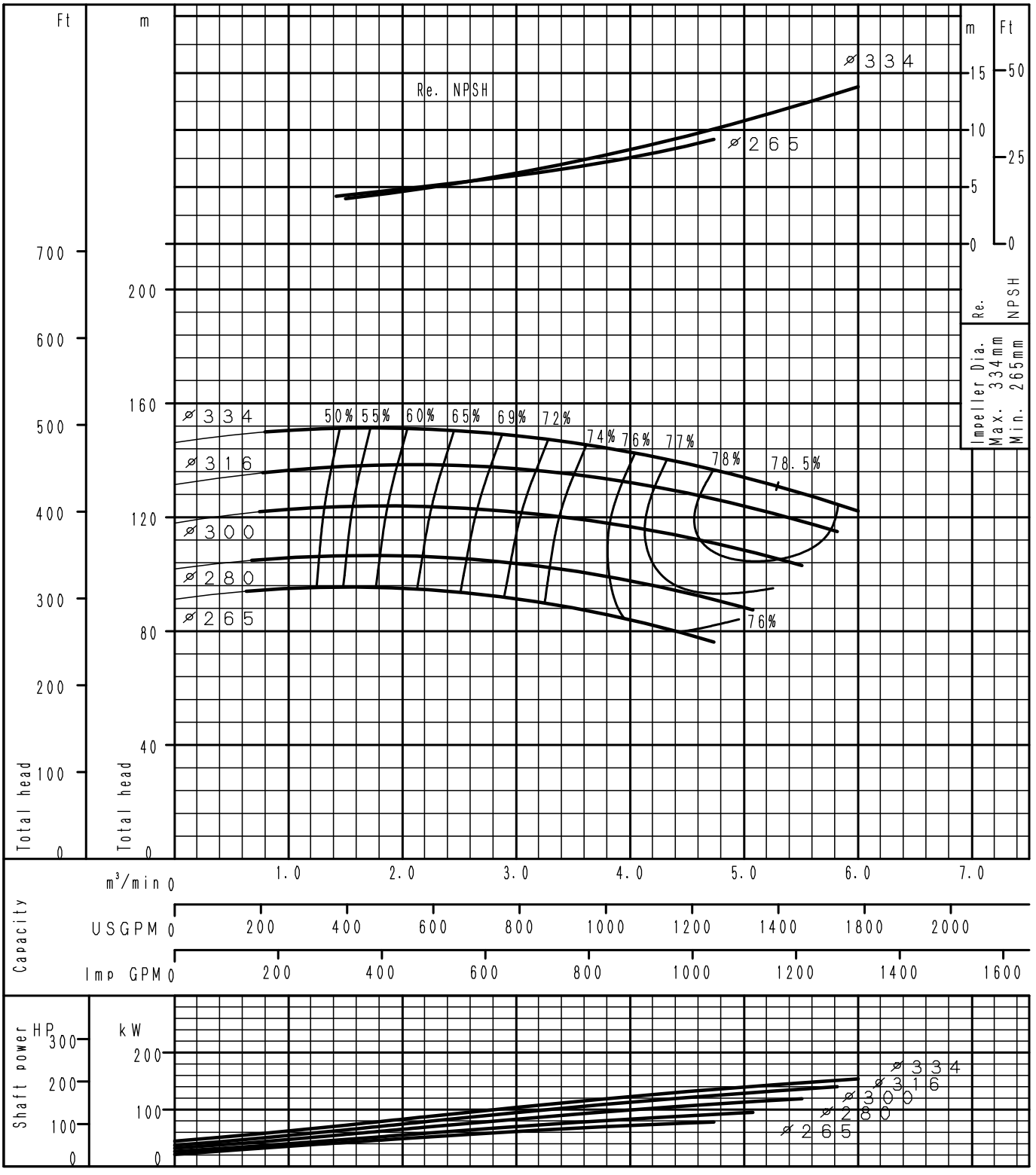
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS80-315L	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630820-01

EBARA

EBARA CORPORATION

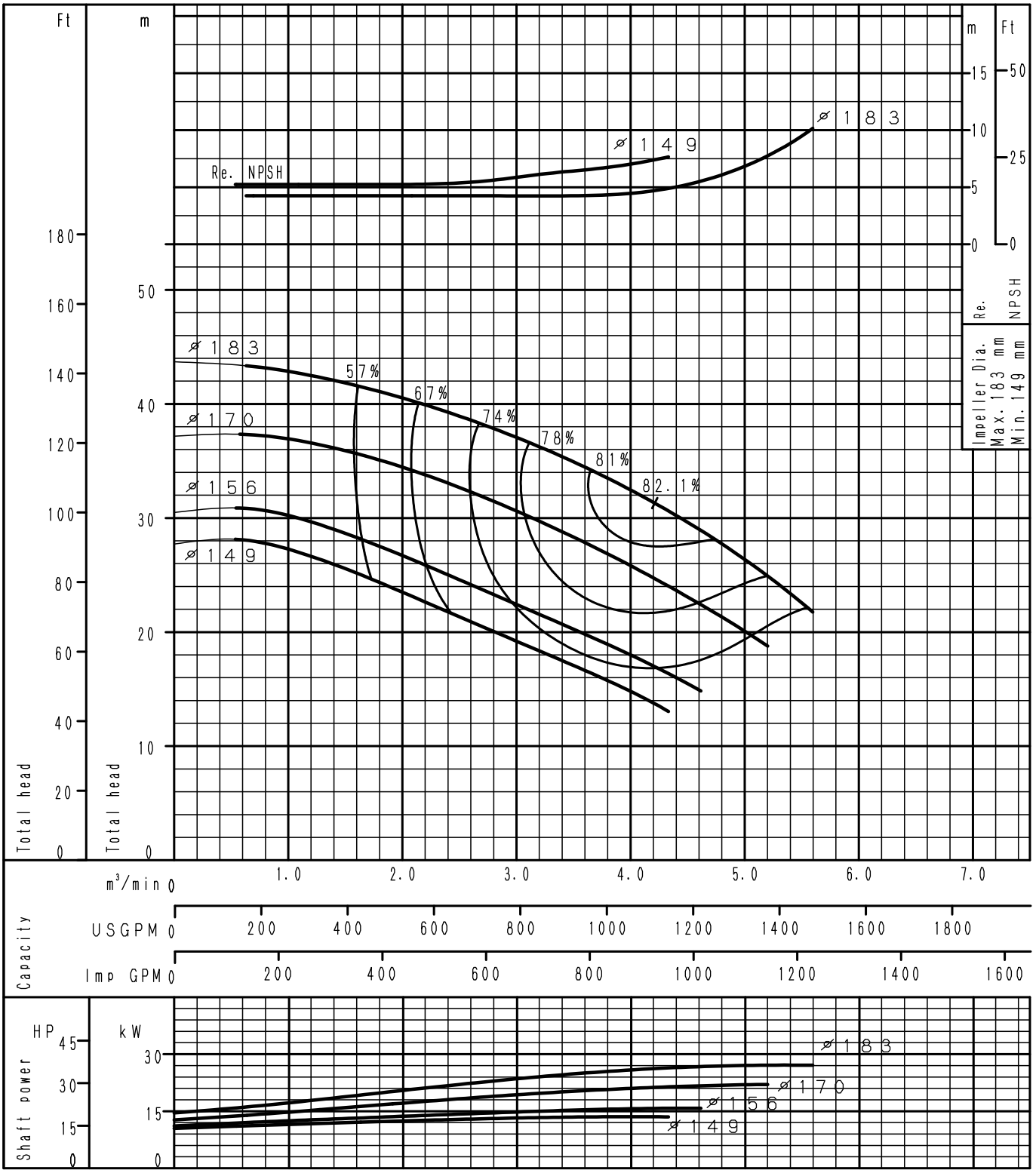
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS100-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731633-00

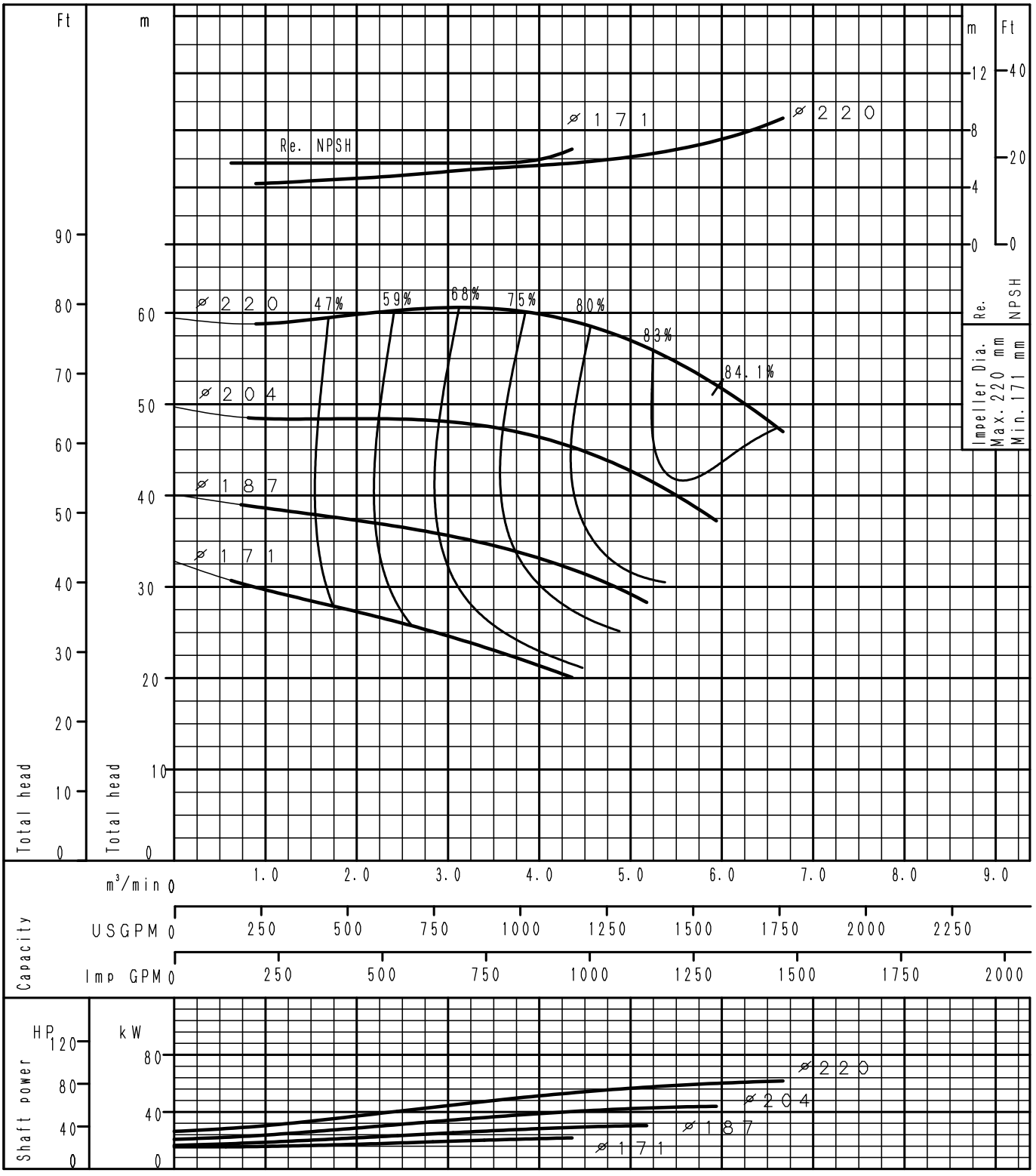
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS100-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731634-00

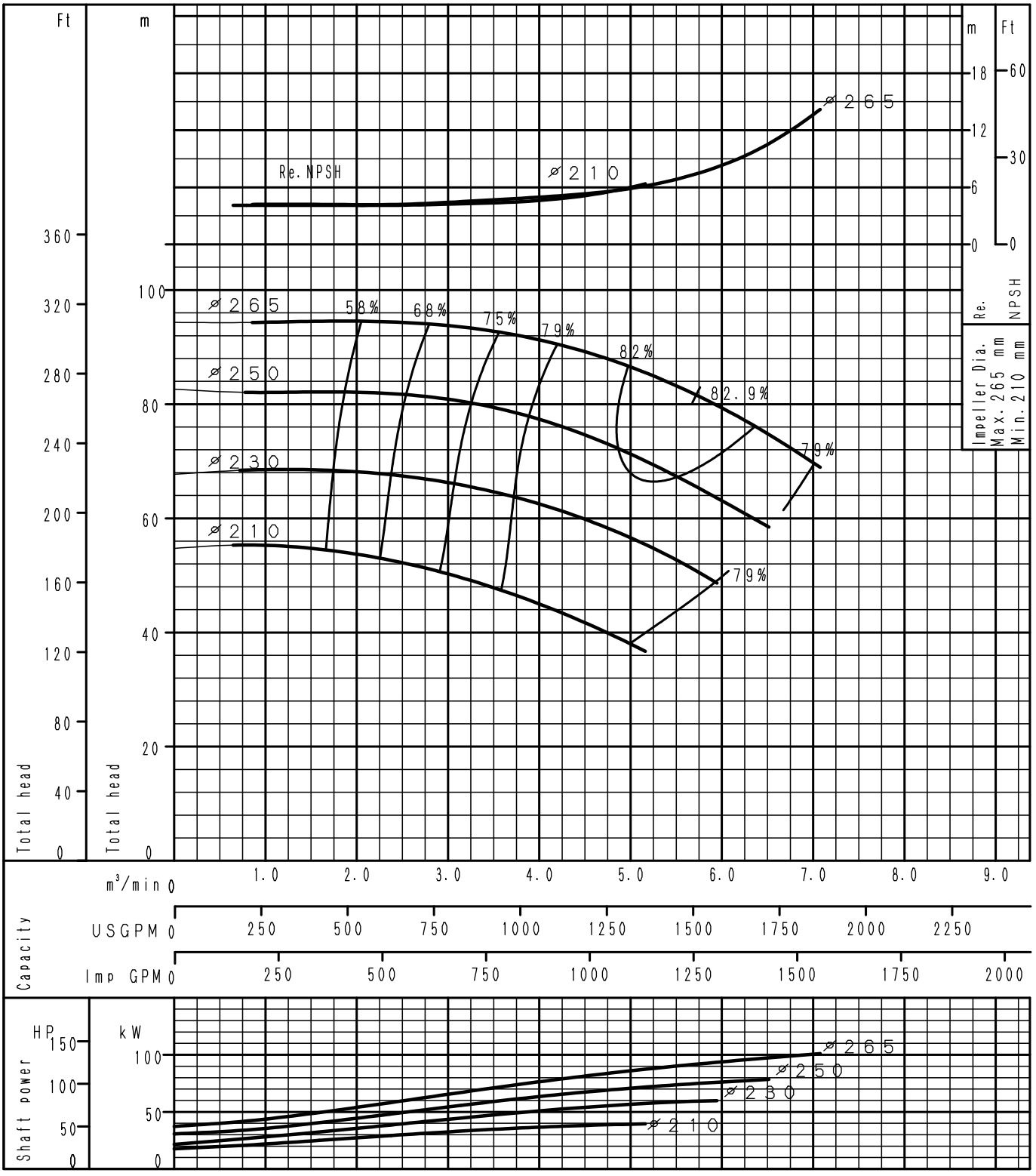
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS100-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1731635-00

EBARA

EBARA CORPORATION

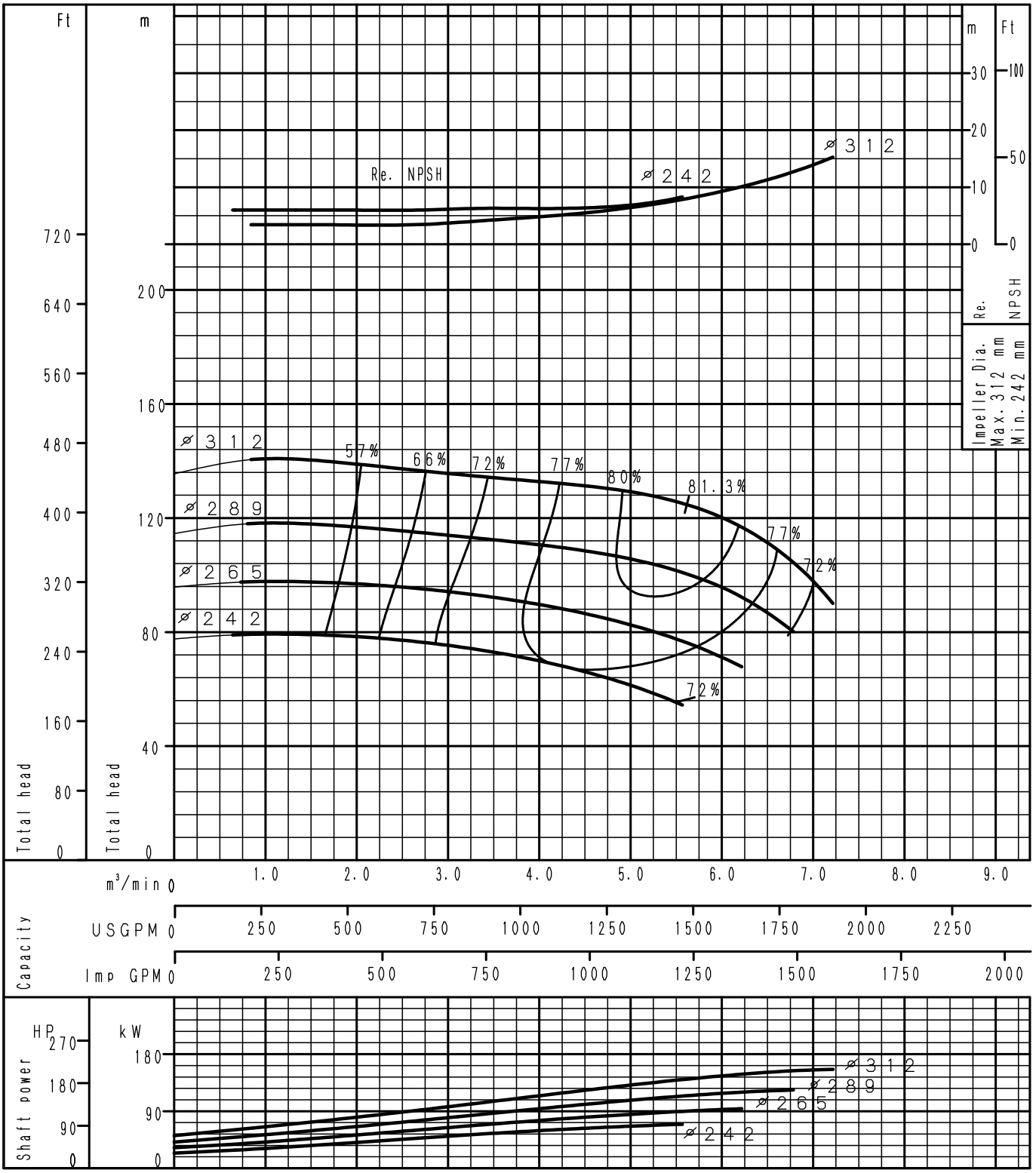
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS100-315L	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



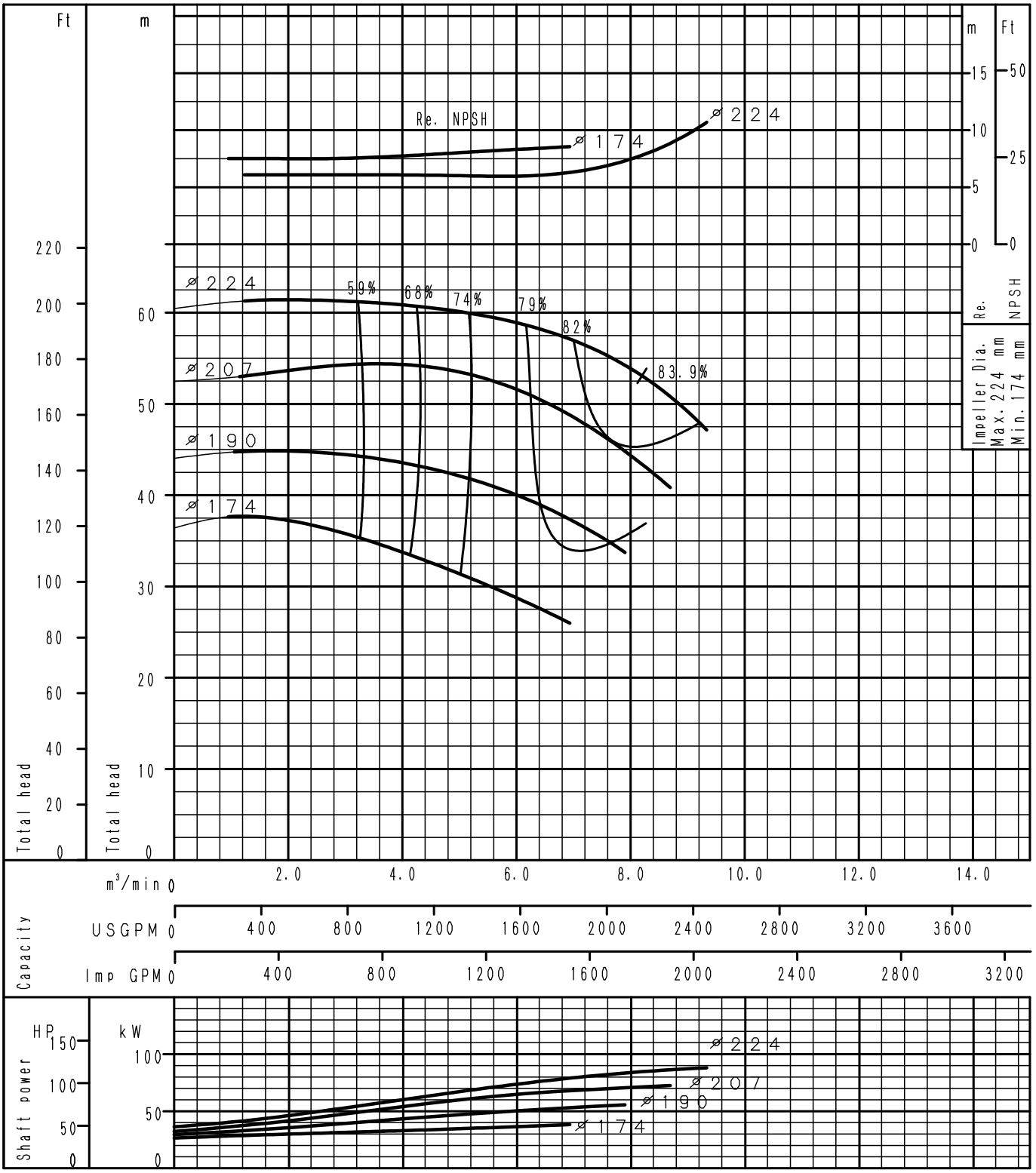
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS125-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731637-00

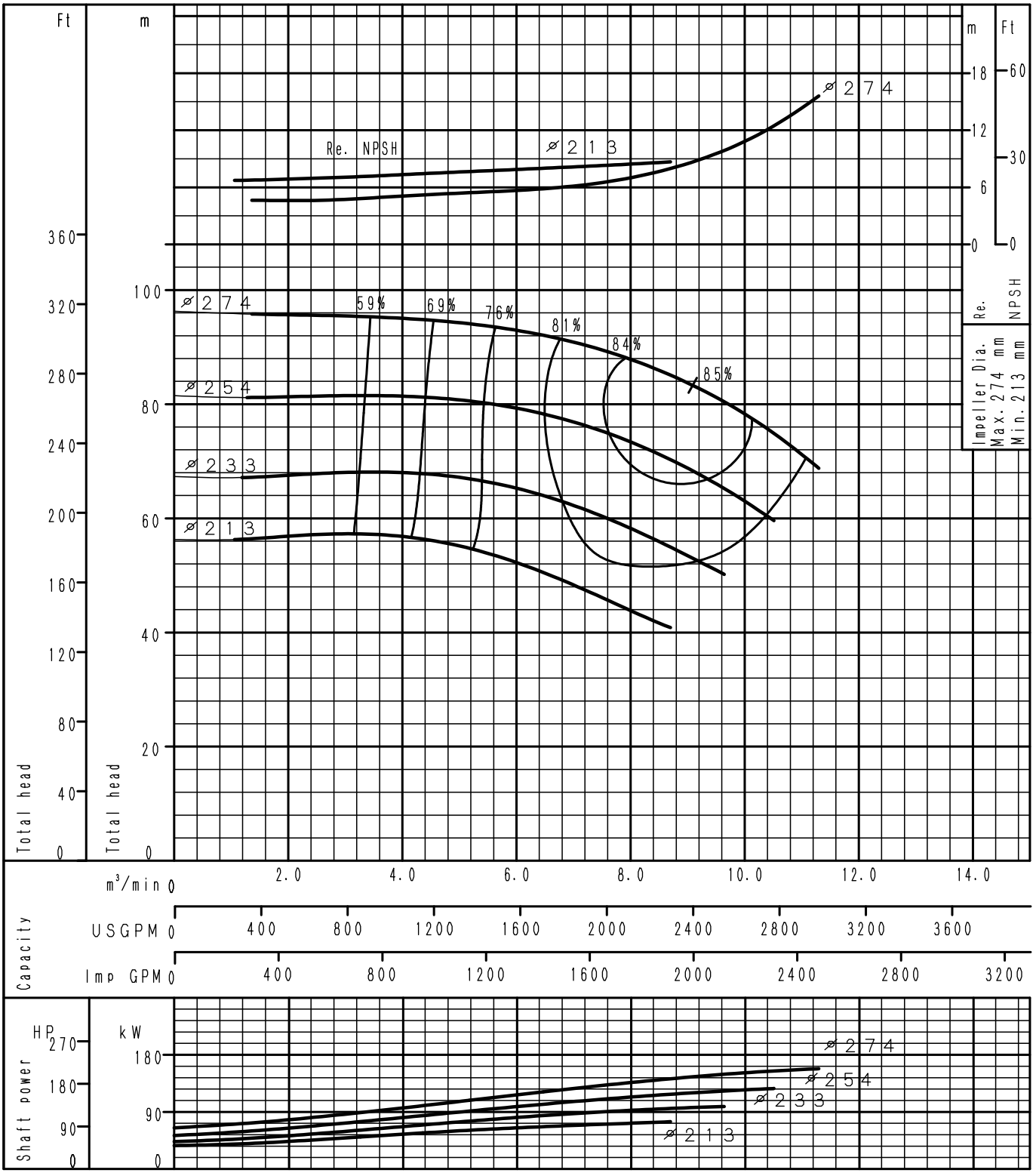
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS125-250L	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731638-00

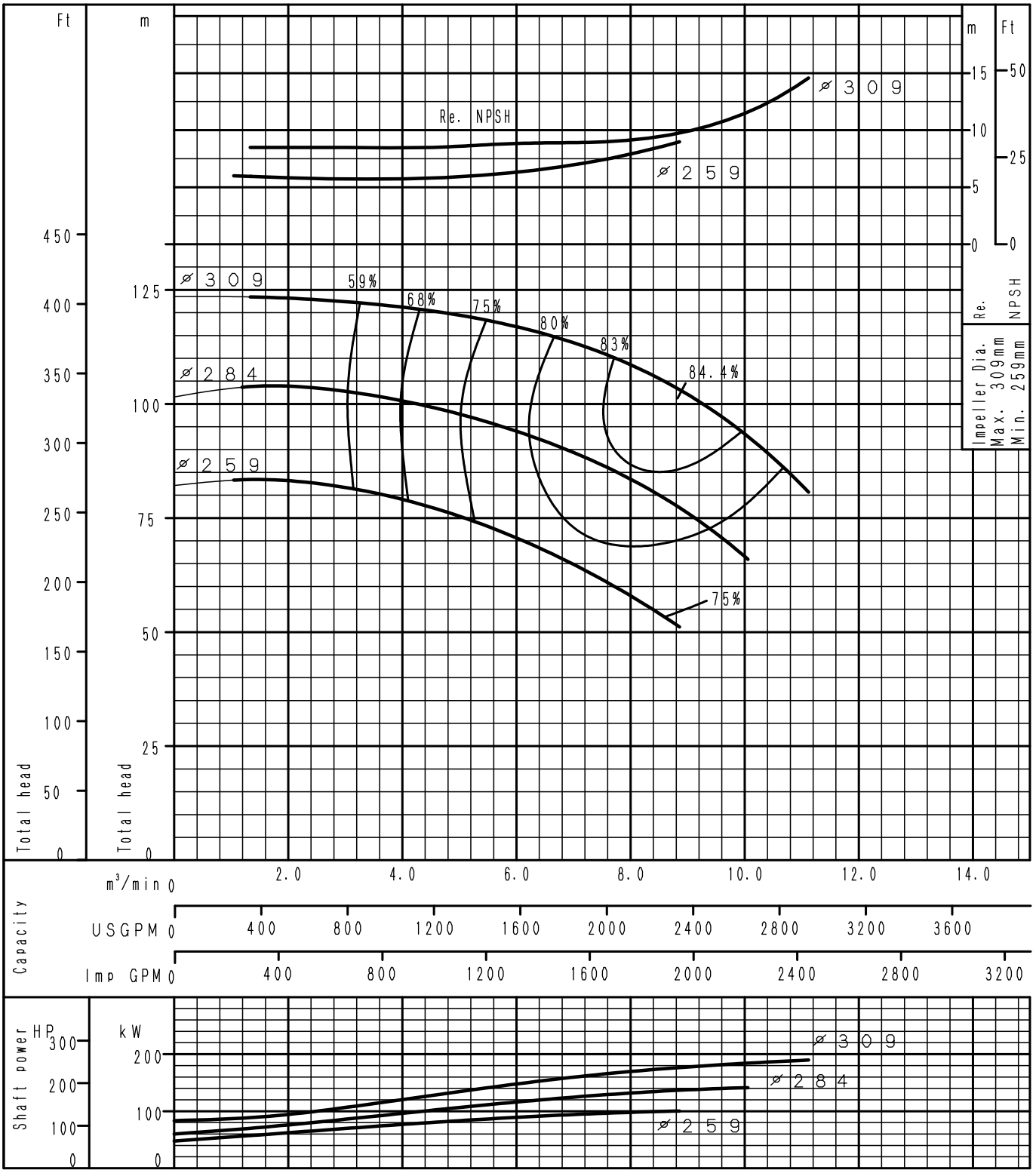
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS125-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731639-00

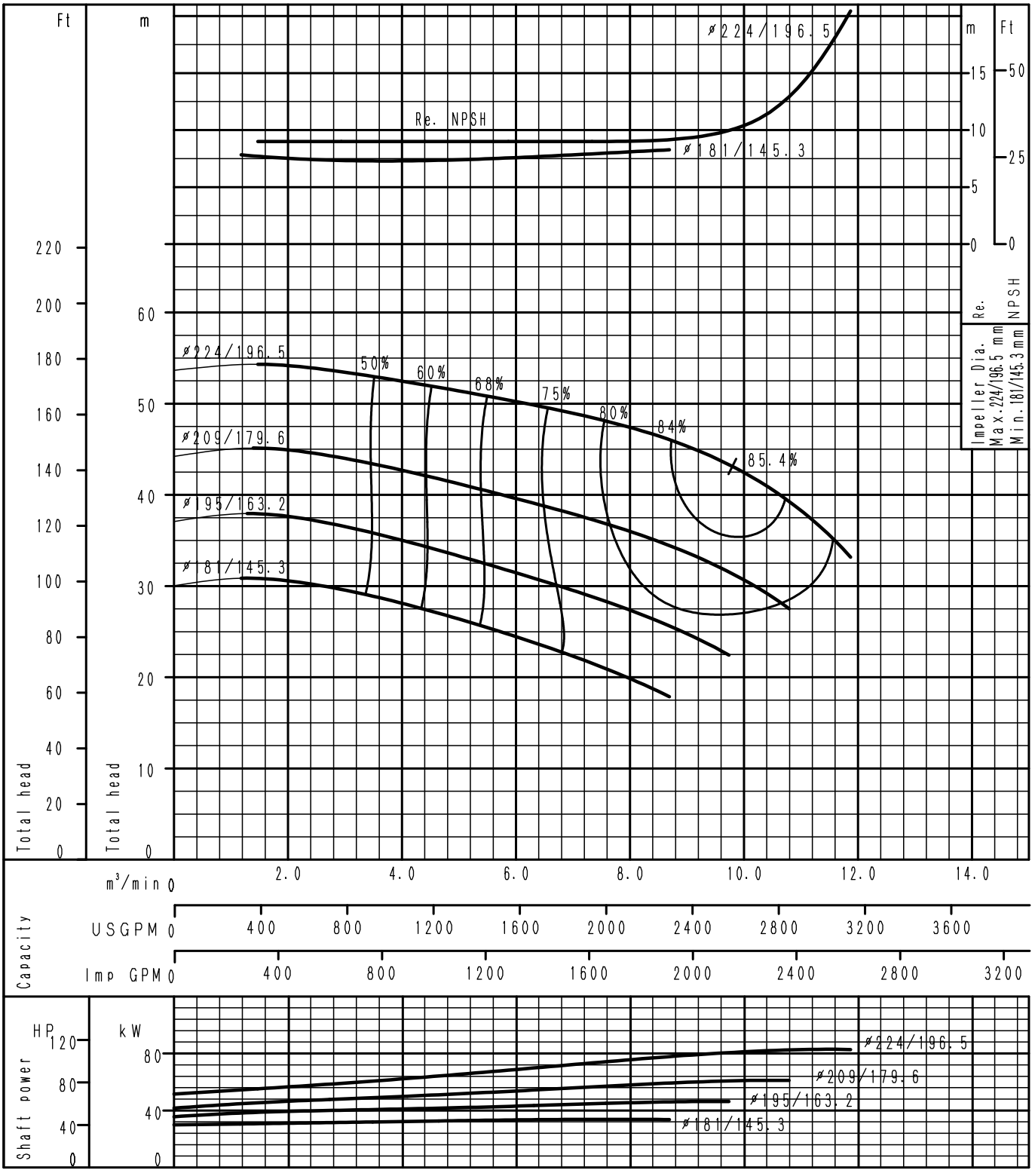
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS150-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731640-00

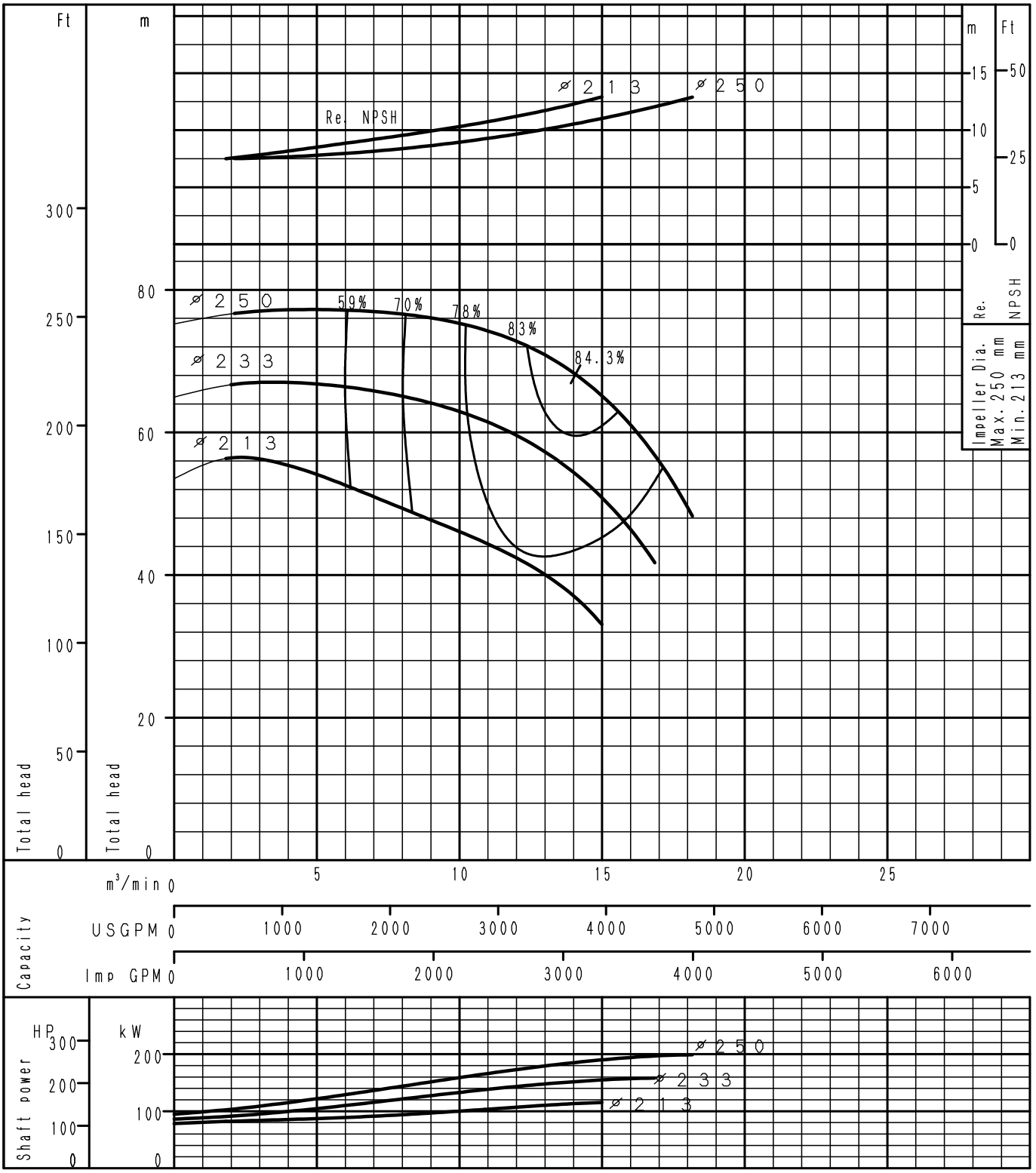
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS150-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 2900 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731641-00

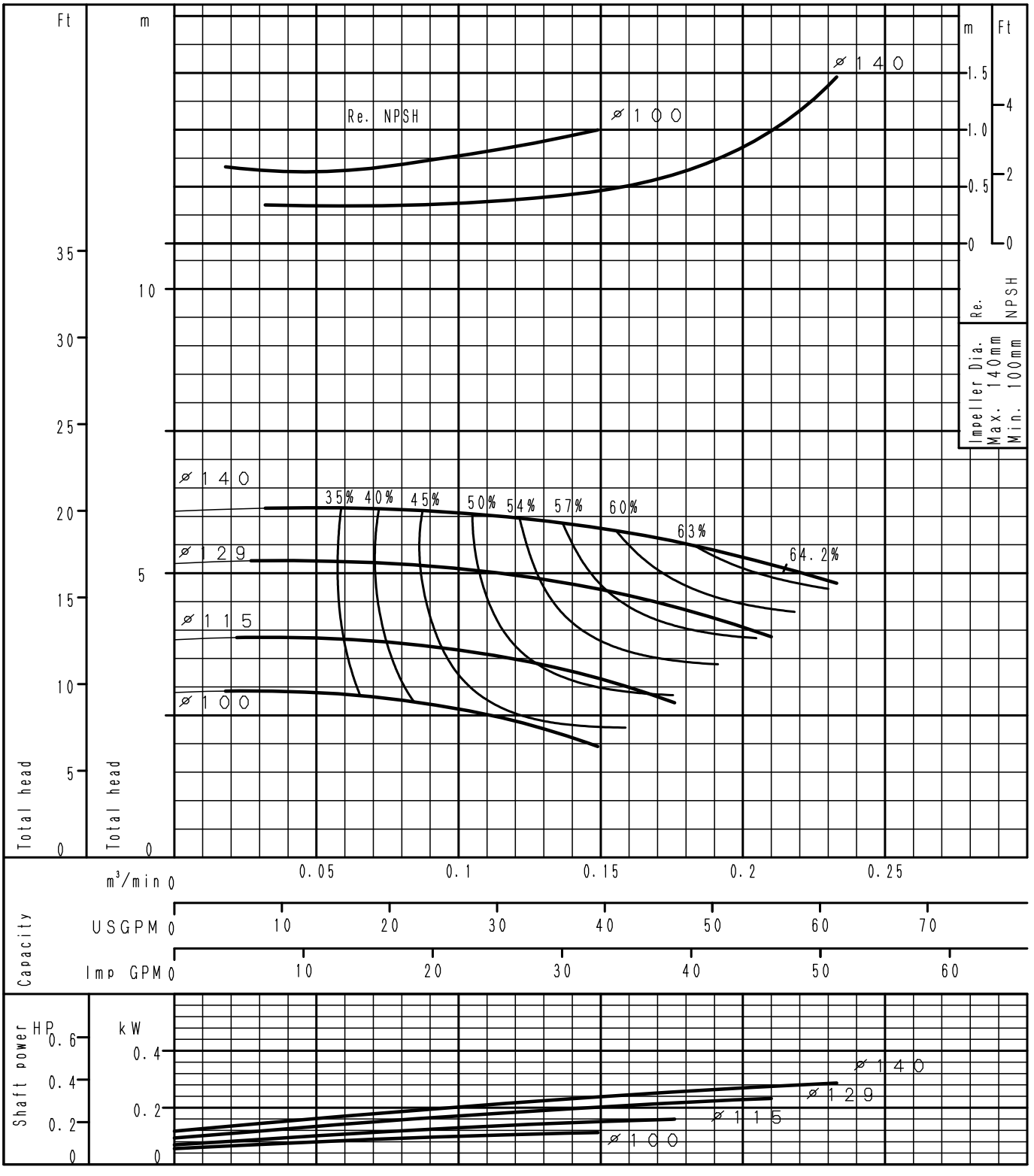
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-125.1	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630821-01

EBARA

EBARA CORPORATION

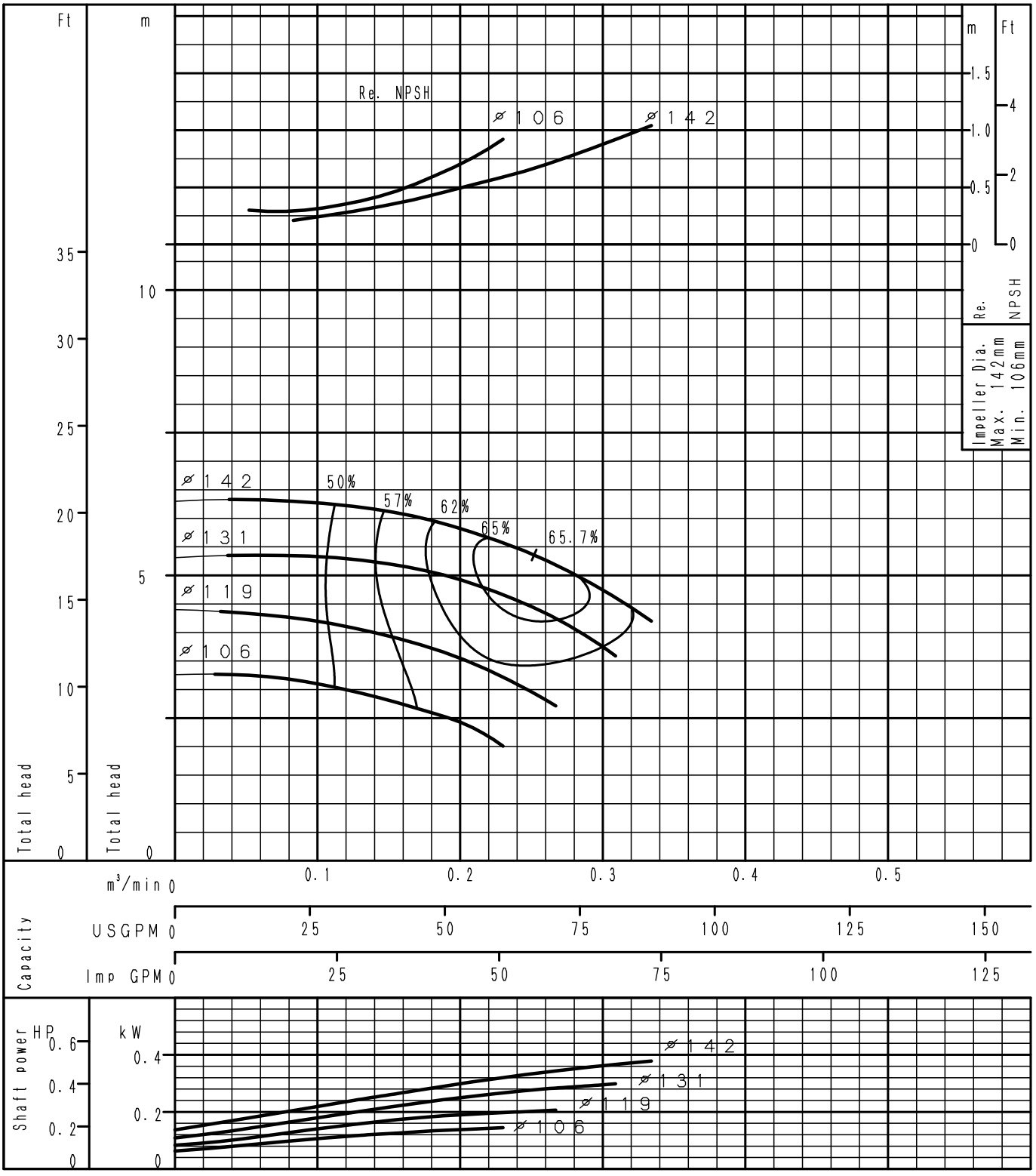
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630822-01

EBARA

EBARA CORPORATION

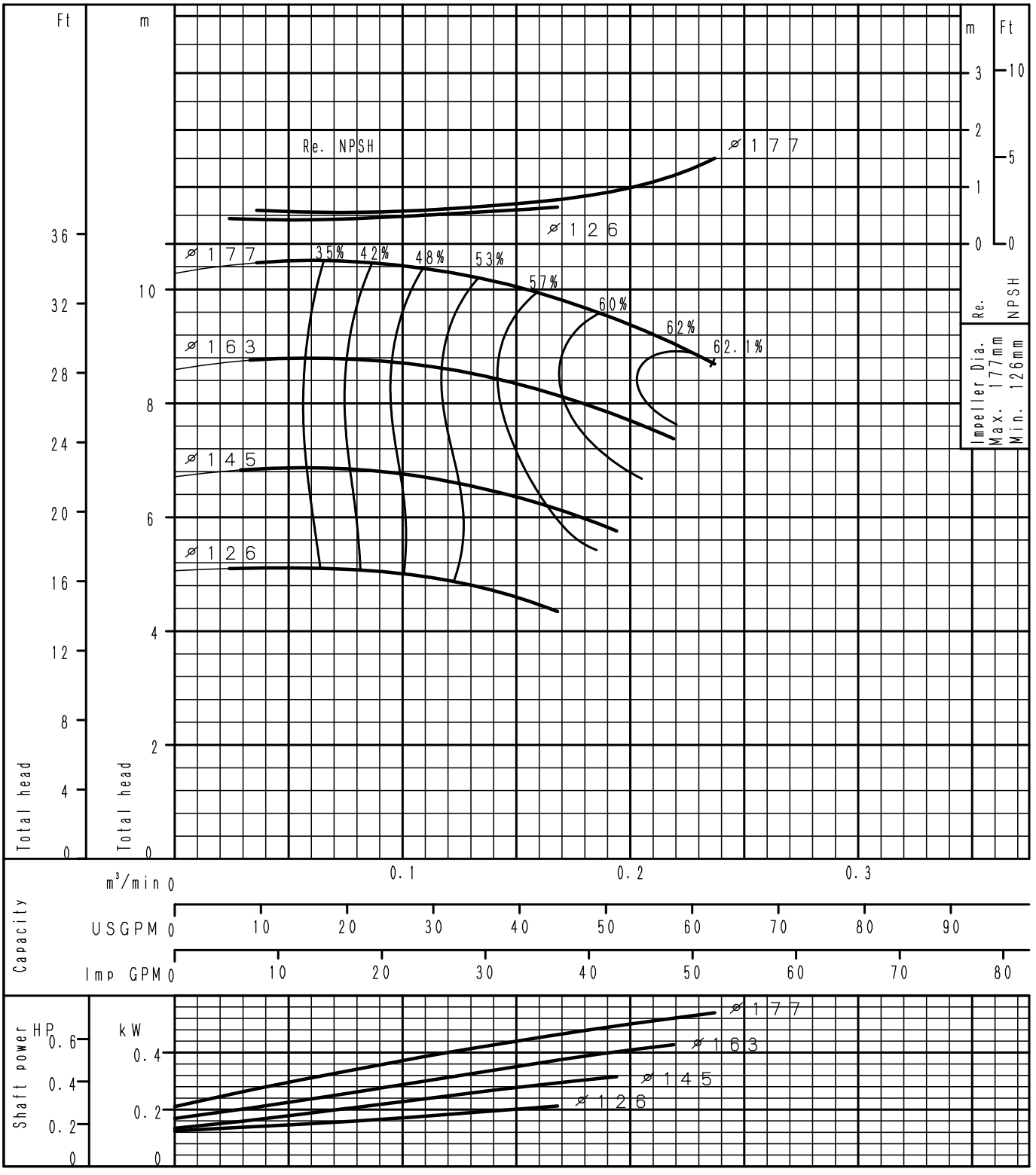
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-160.1	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630823-01

EBARA

EBARA CORPORATION

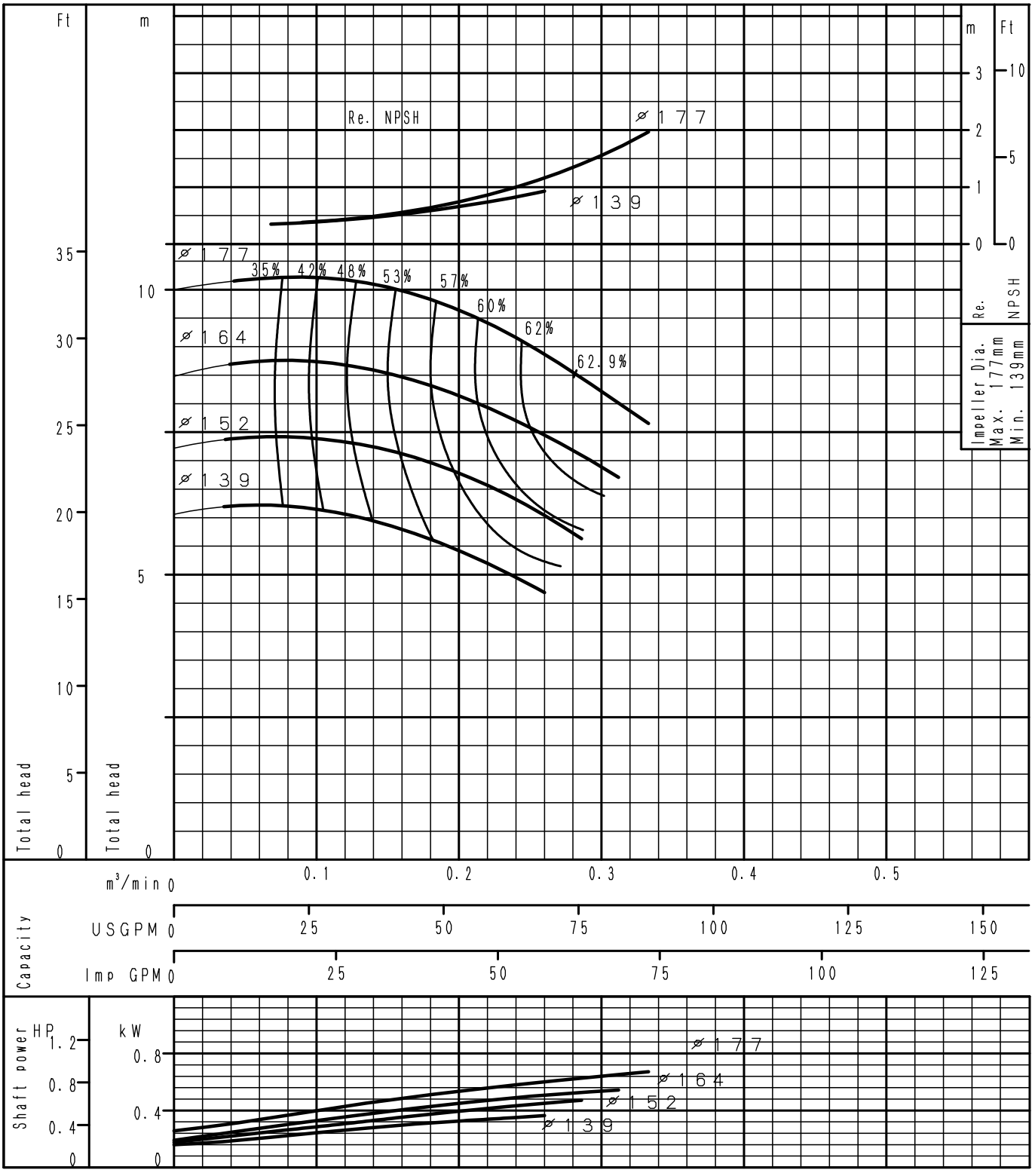
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630824-01

EBARA

EBARA CORPORATION

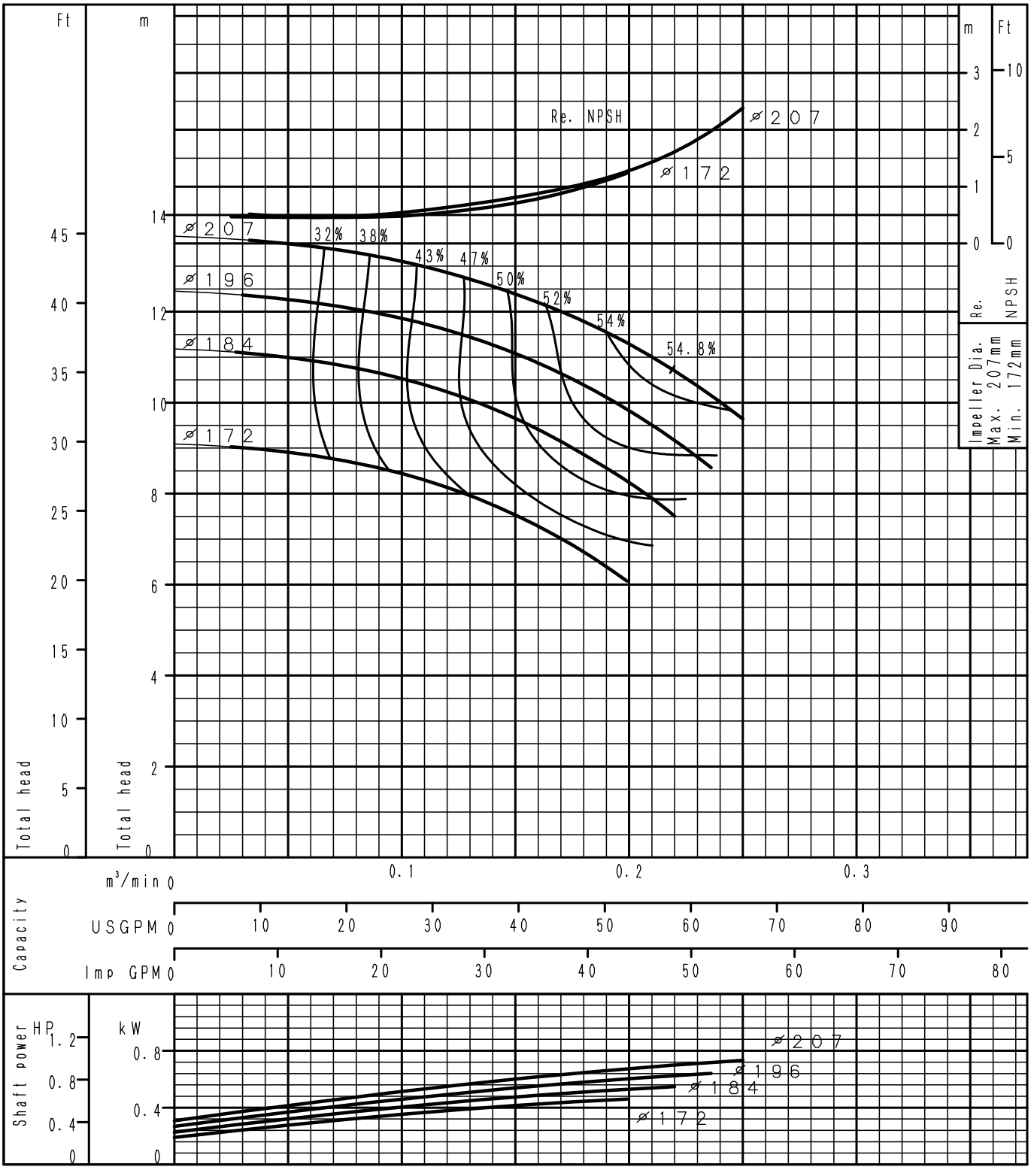
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-200.1	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630825-01

EBARA

EBARA CORPORATION

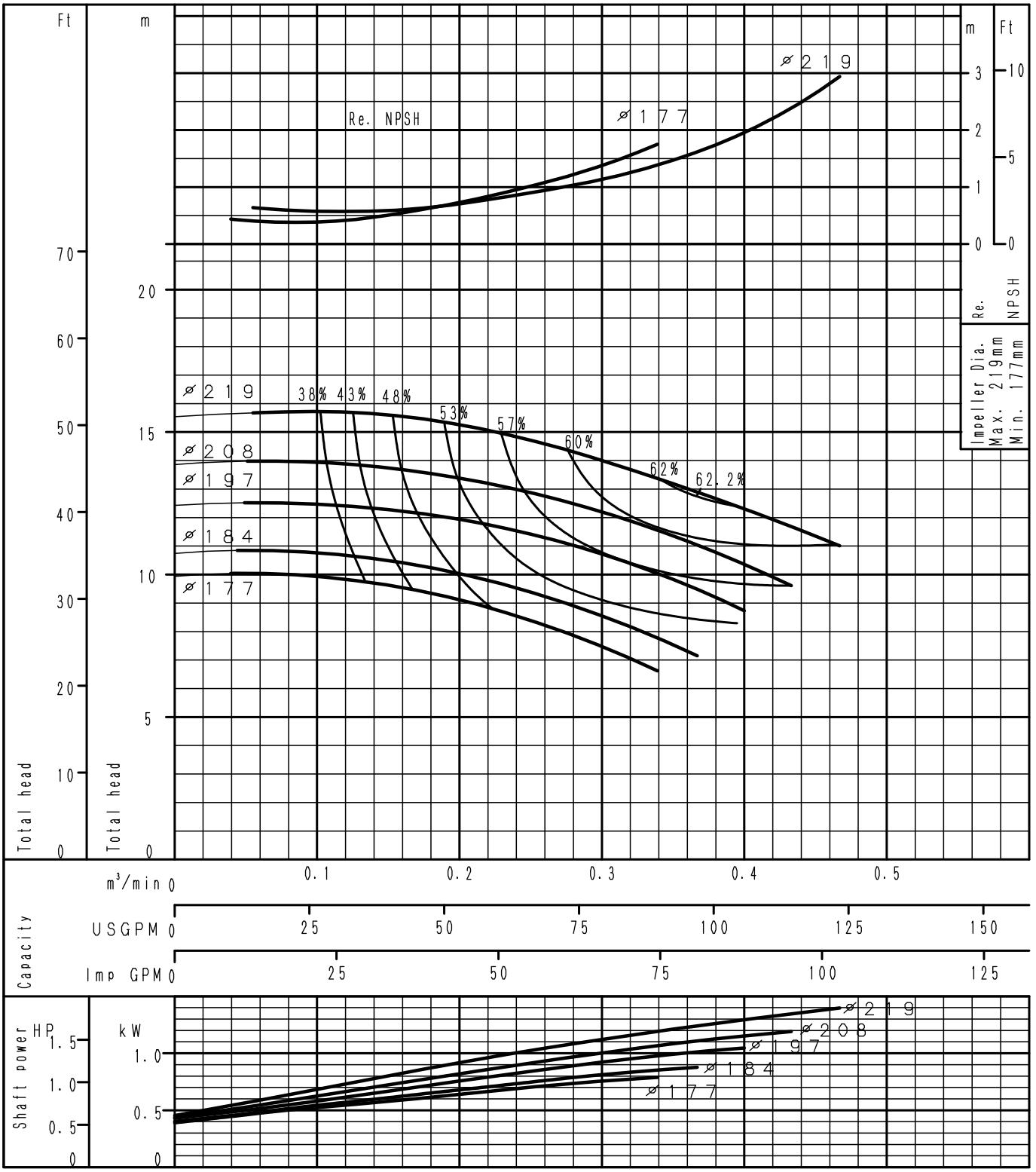
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630826-01

EBARA

EBARA CORPORATION

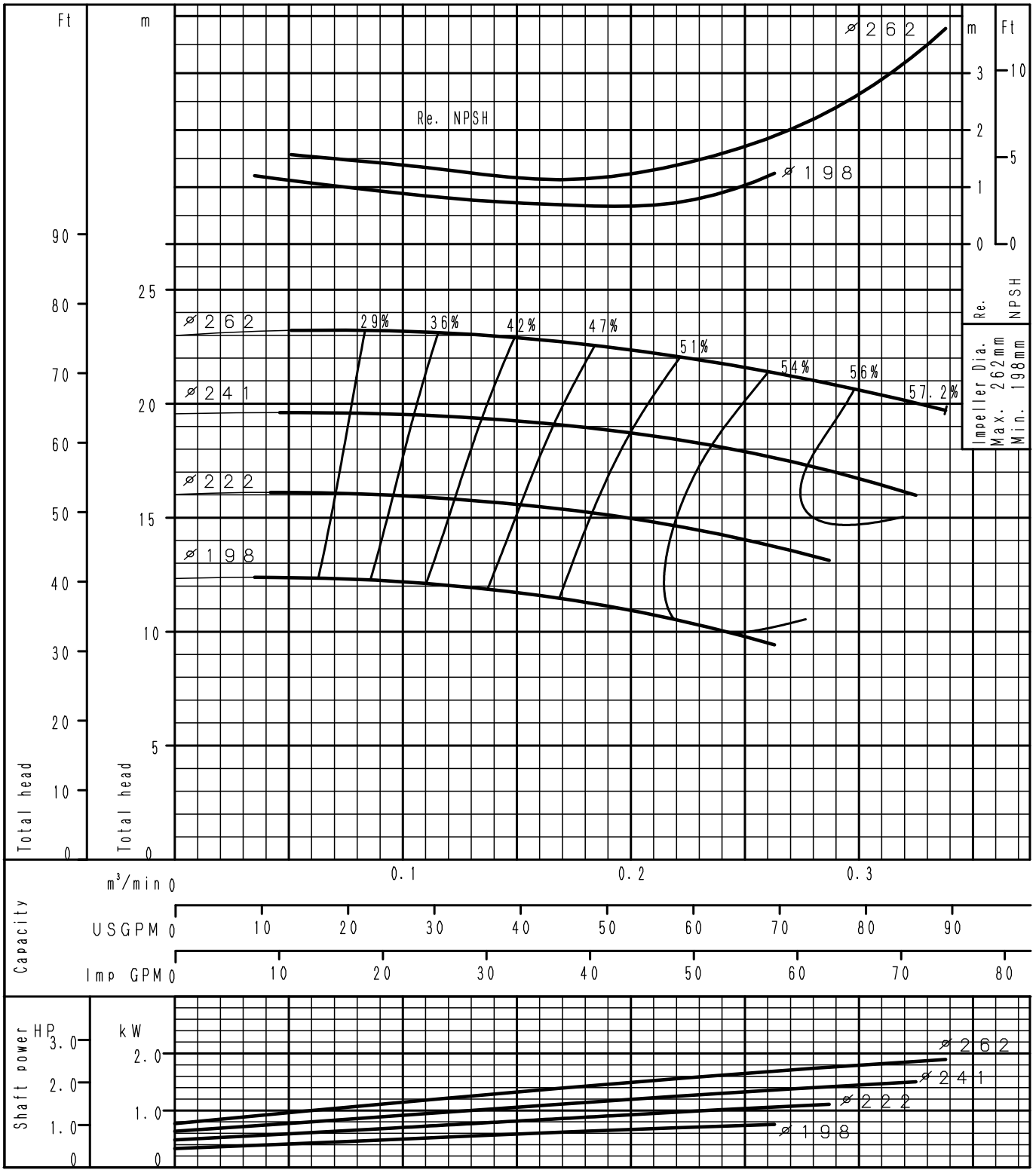
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630827-01

EBARA

EBARA CORPORATION

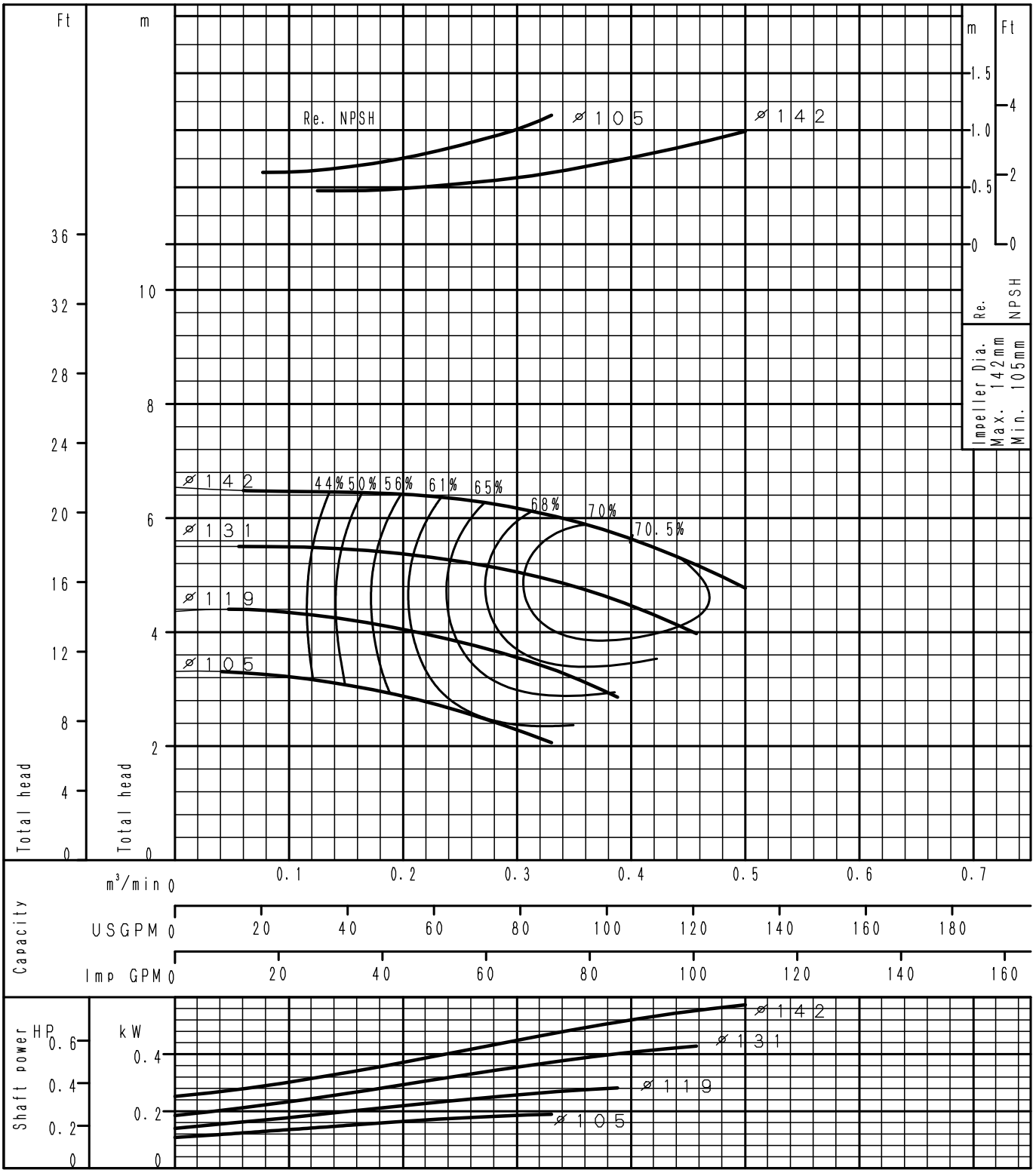
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630828-01

EBARA

EBARA CORPORATION

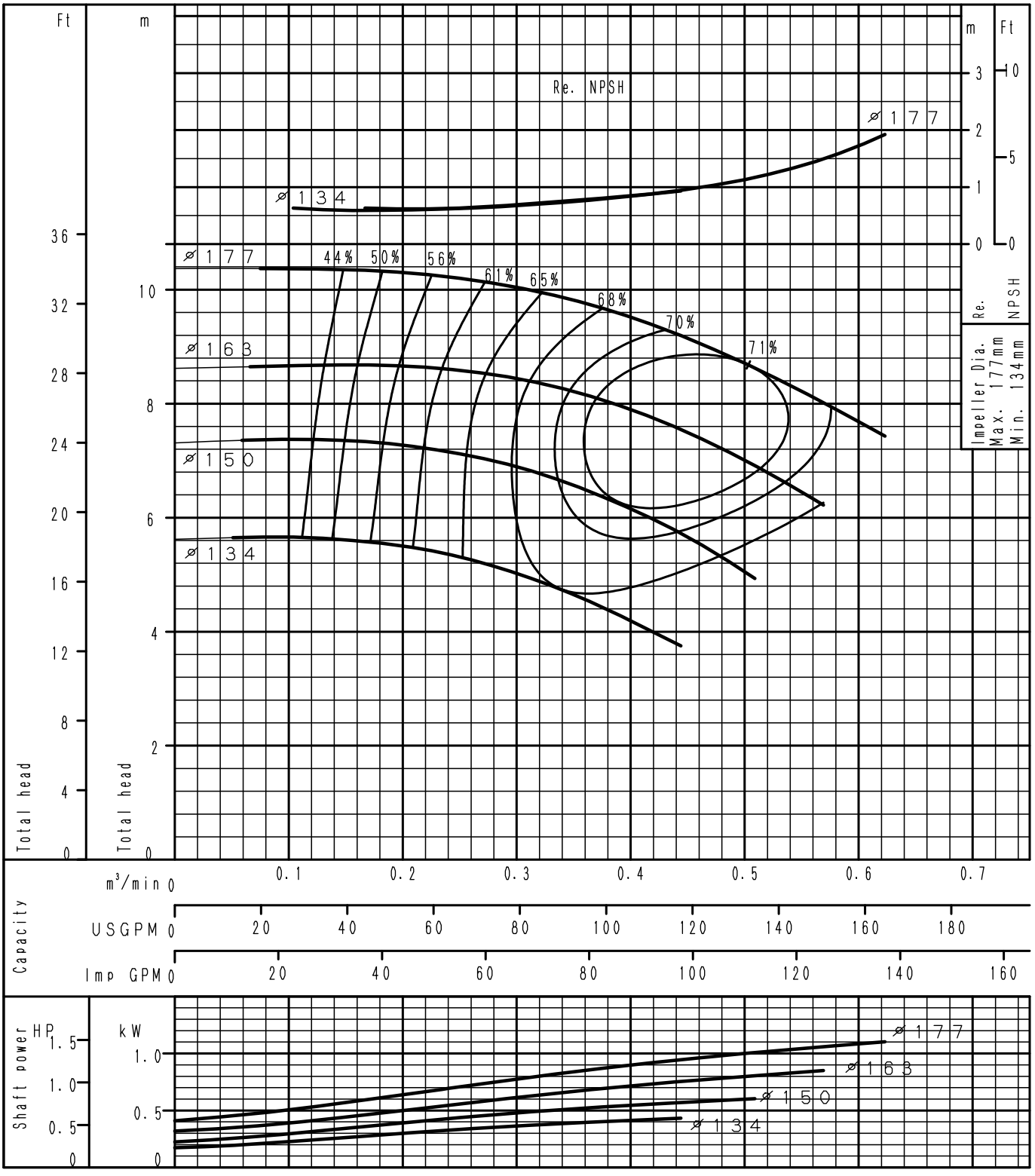
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630829-01

EBARA

EBARA CORPORATION

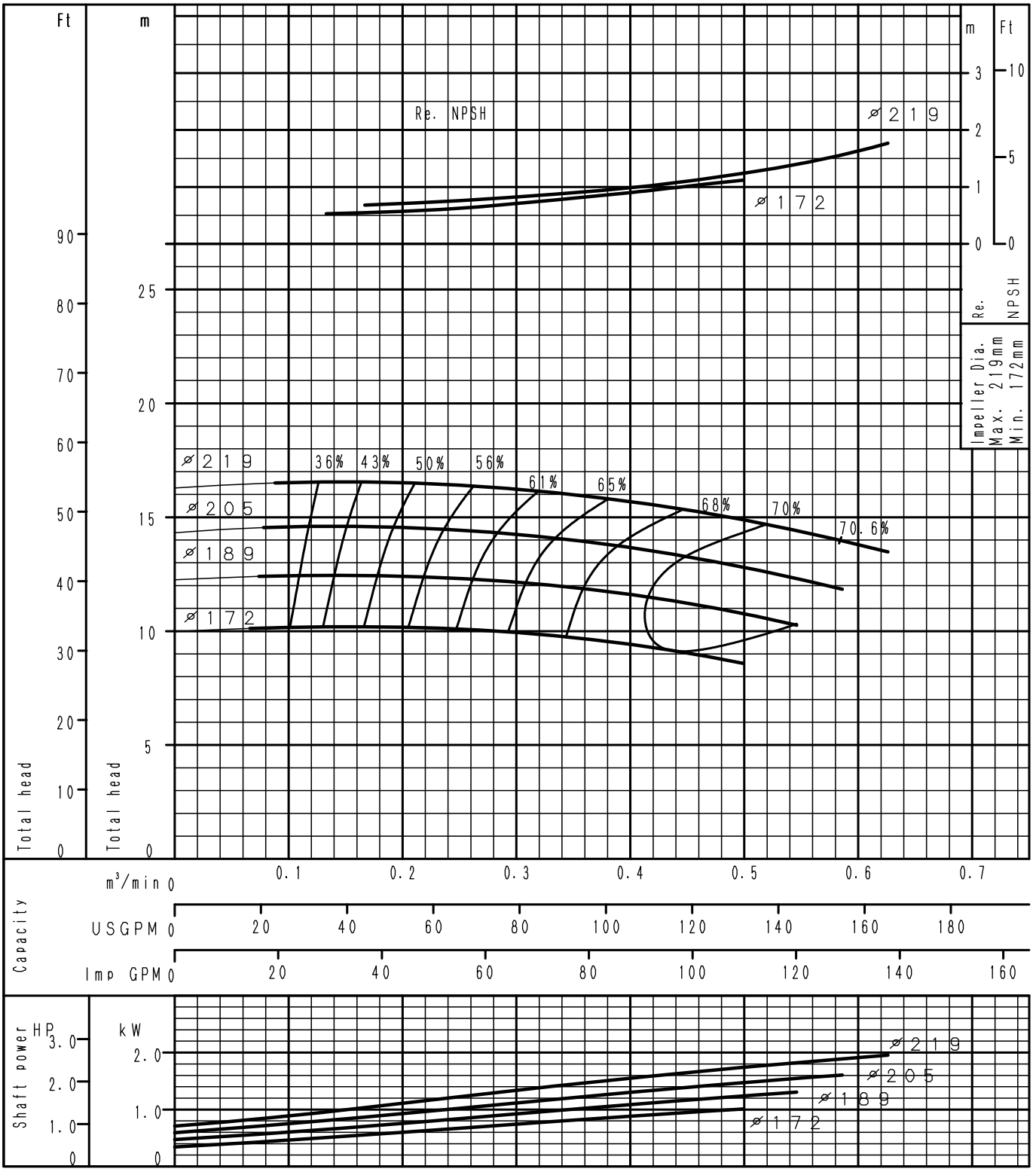
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630830-01

EBARA

EBARA CORPORATION

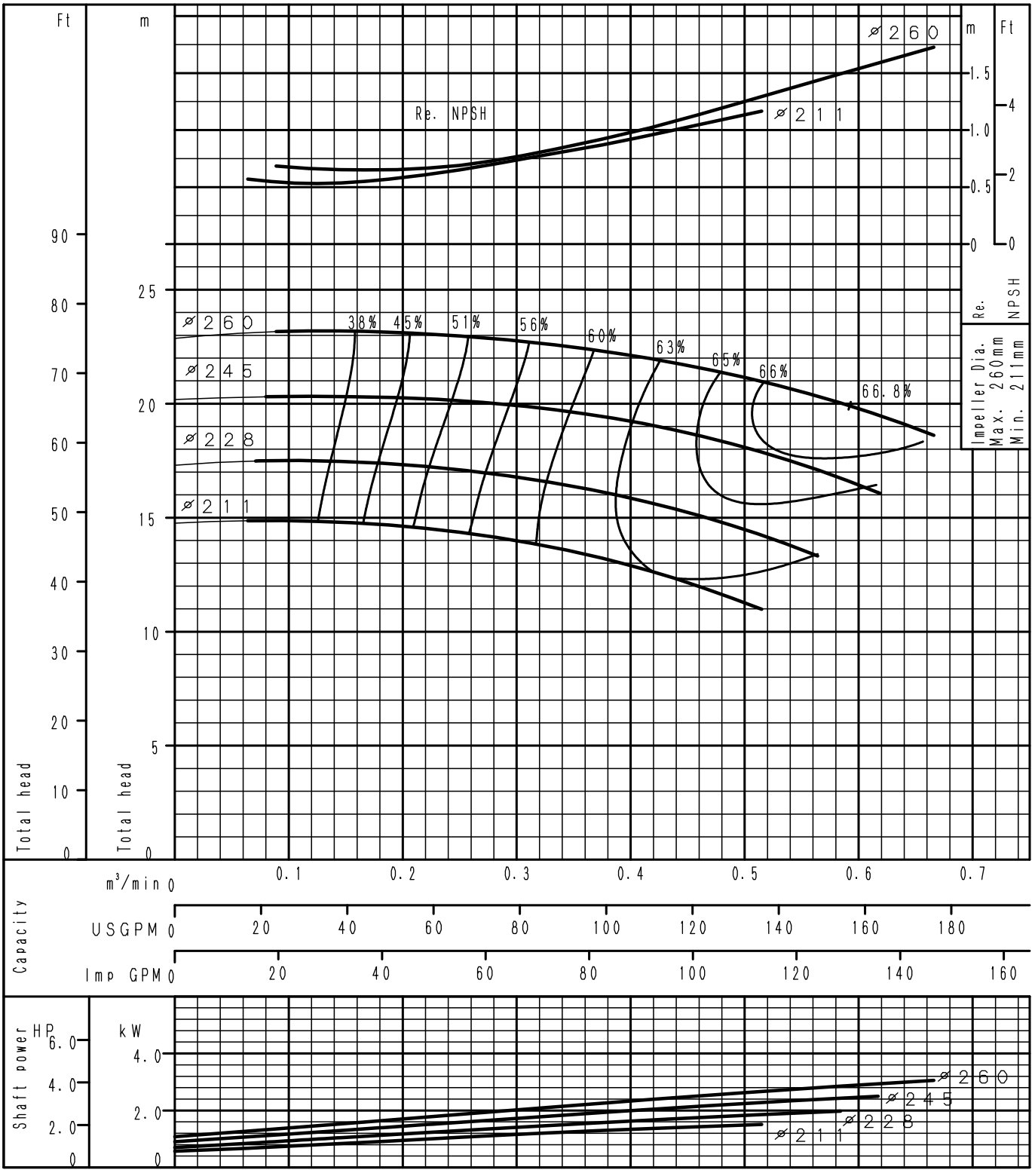
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630831-01

EBARA

EBARA CORPORATION

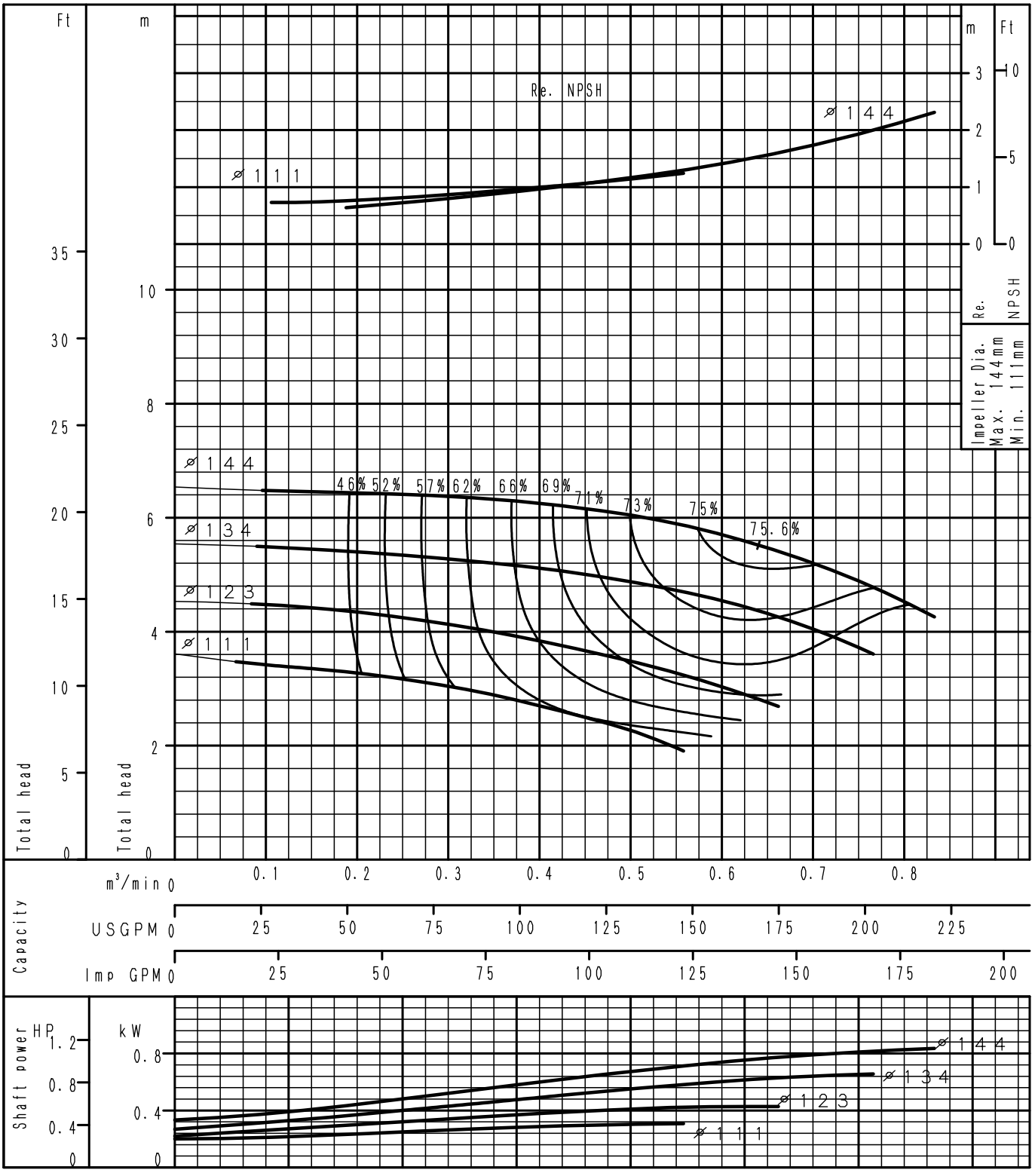
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630832-01

EBARA

EBARA CORPORATION

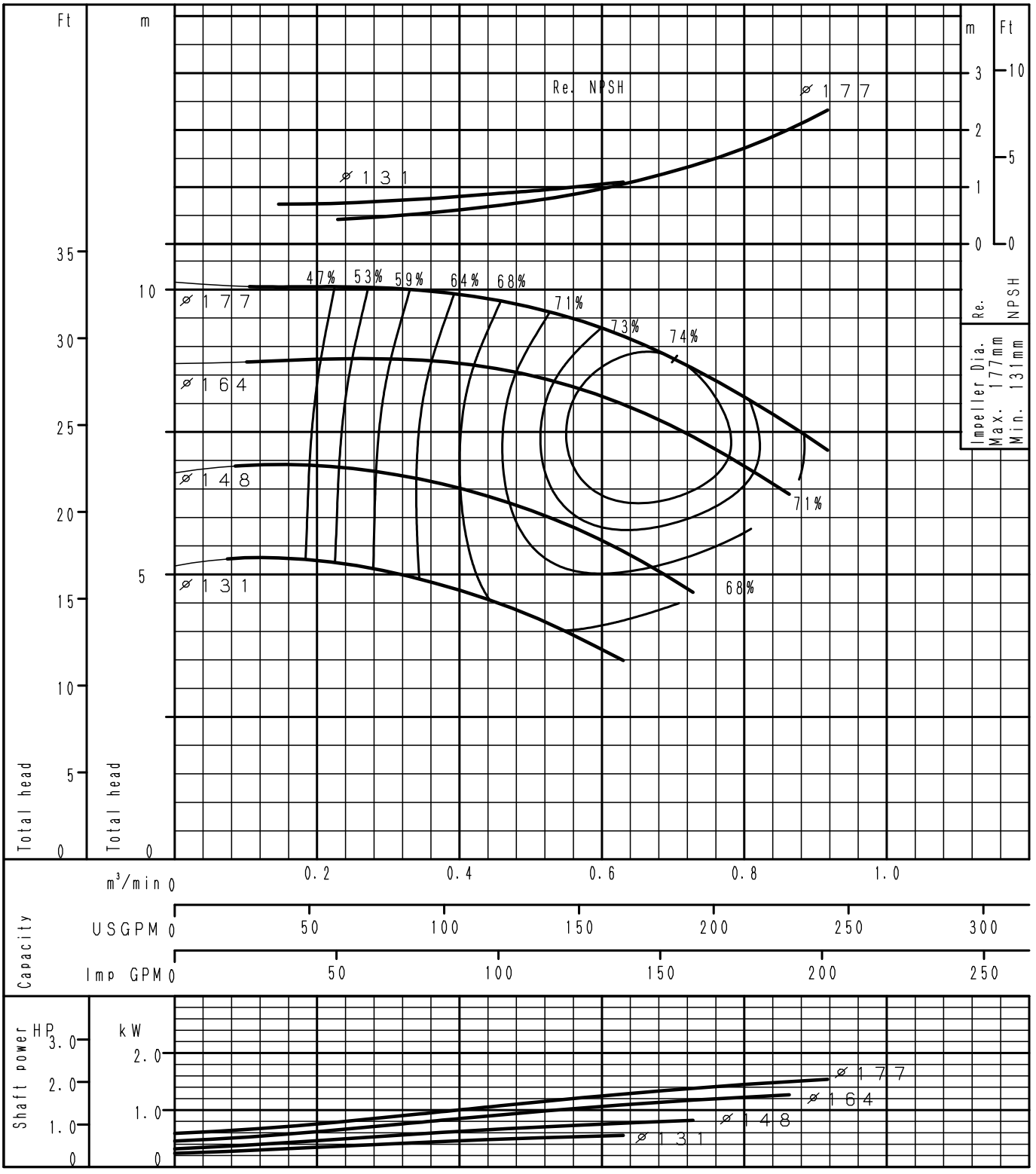
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630833-01

EBARA

EBARA CORPORATION

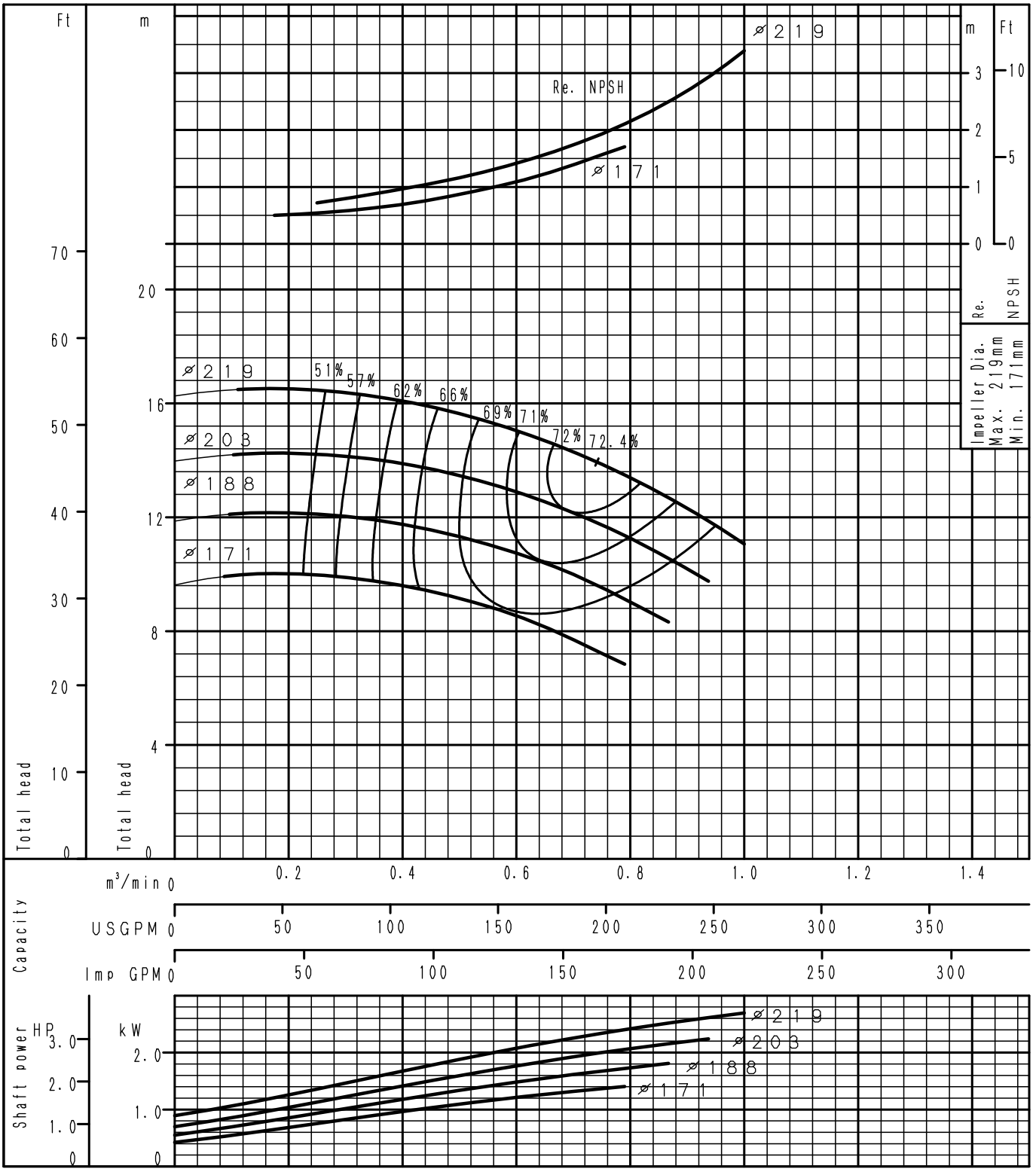
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630834-01

EBARA

EBARA CORPORATION

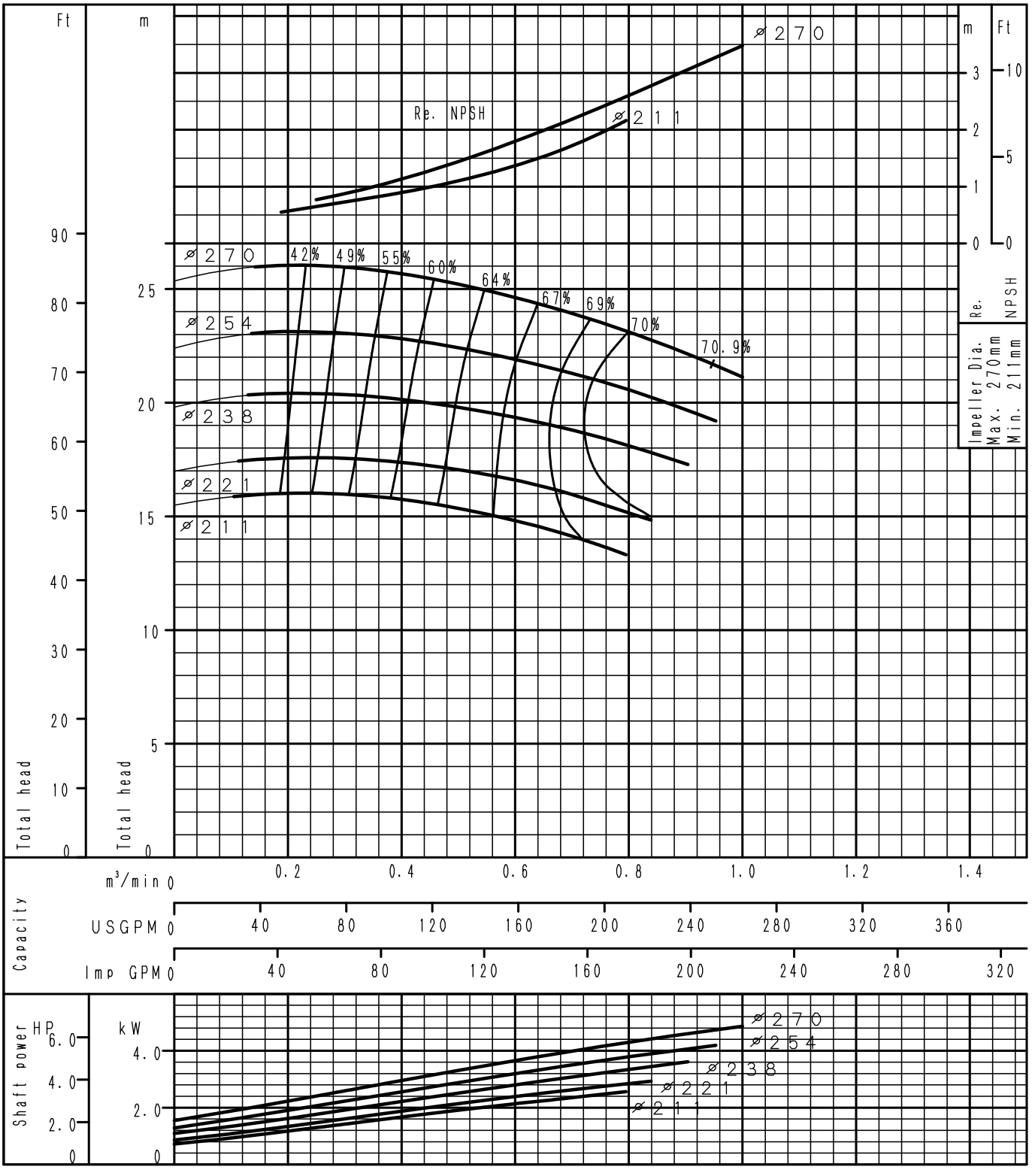
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630835-01

EBARA

EBARA CORPORATION

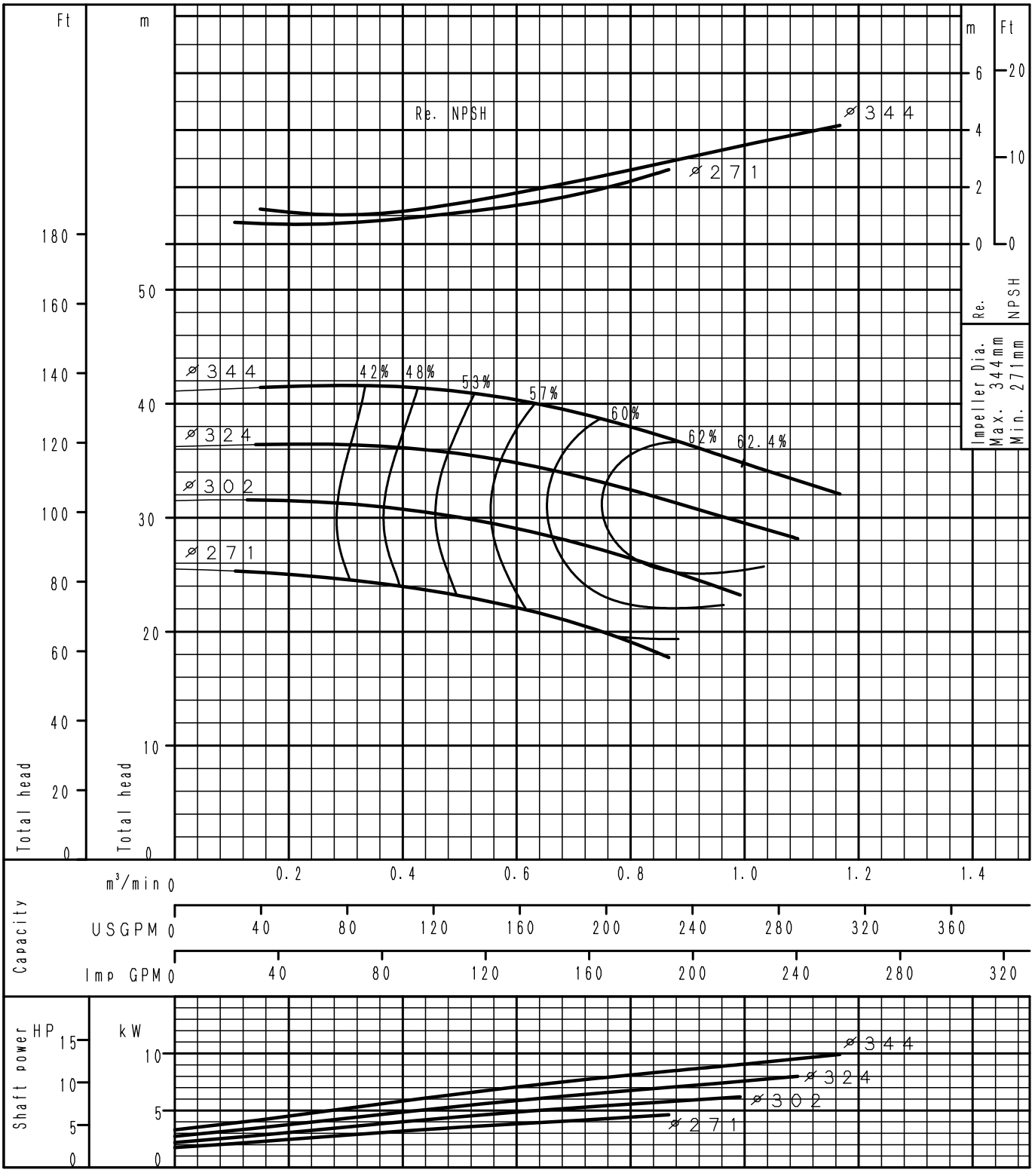
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630836-01

EBARA

EBARA CORPORATION

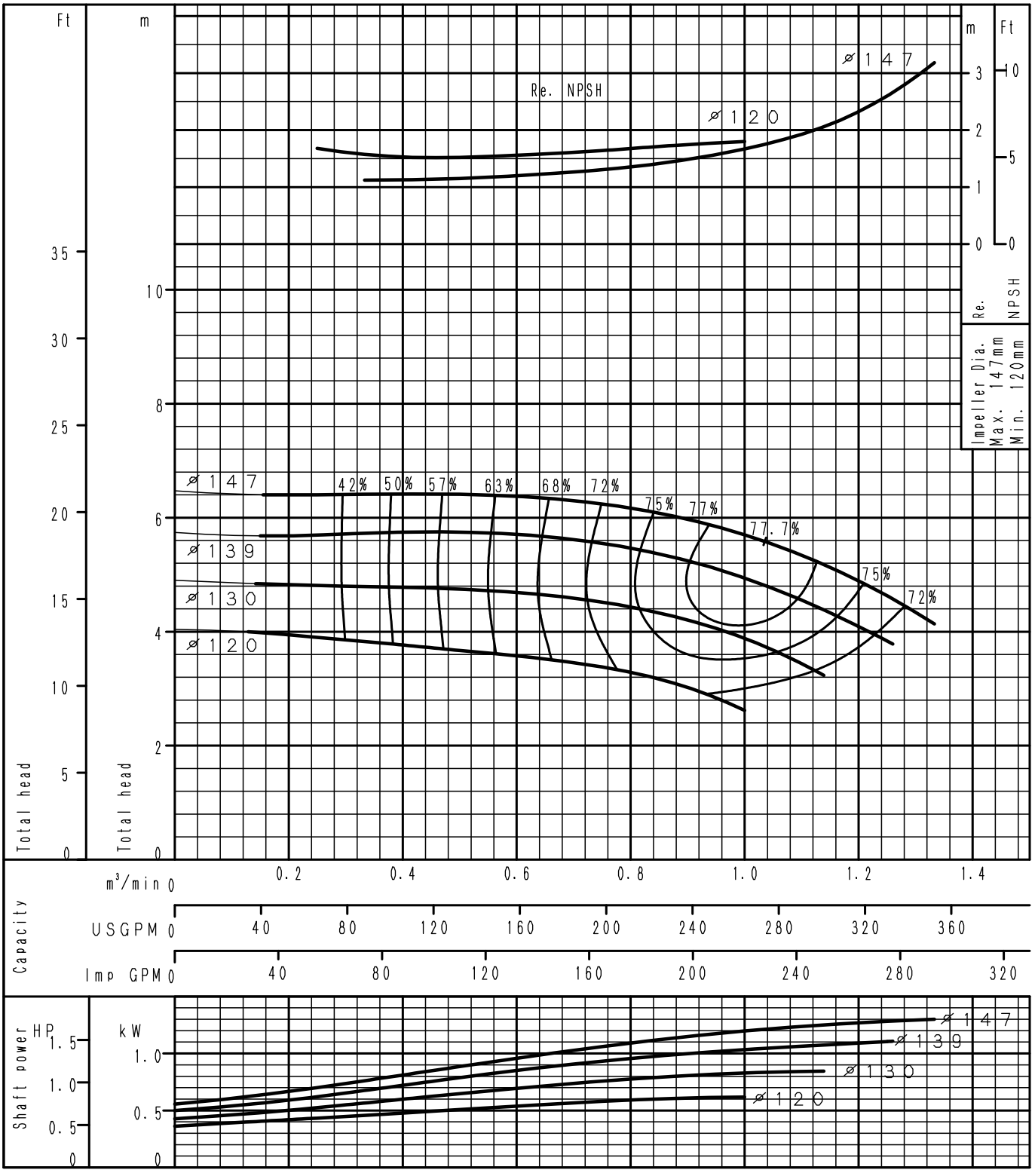
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-125	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630837-01

EBARA

EBARA CORPORATION

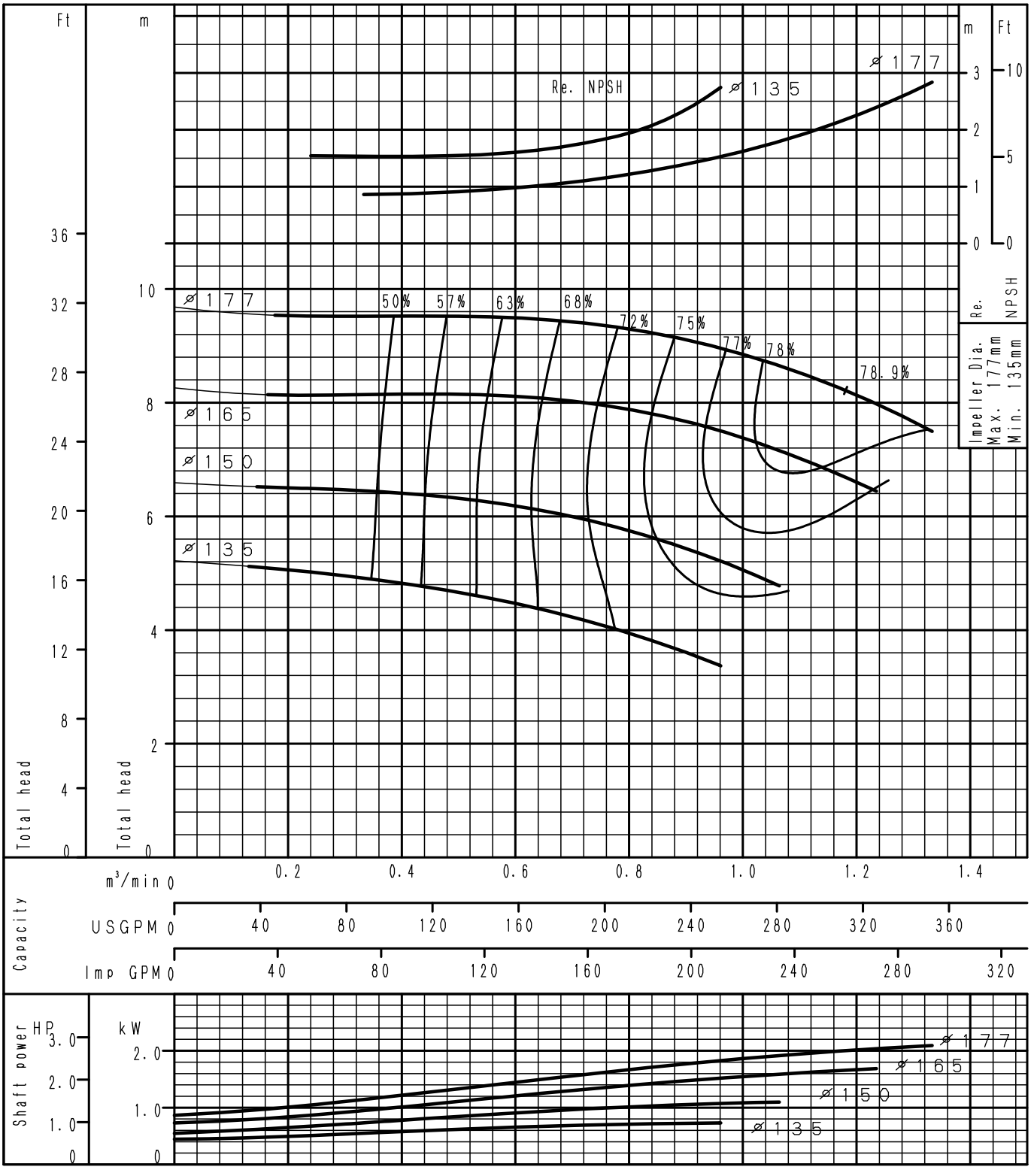
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630838-01

EBARA

EBARA CORPORATION

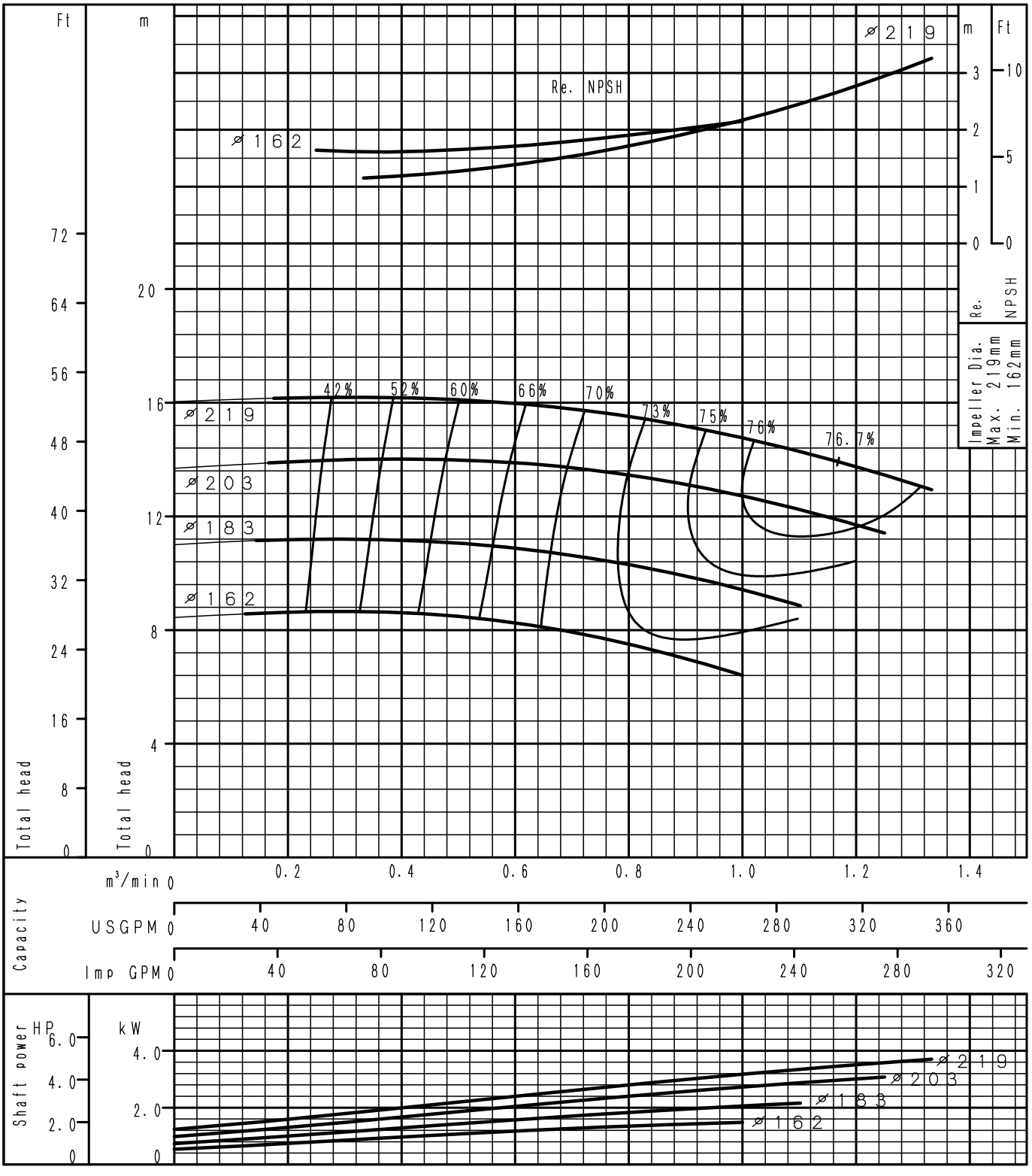
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630839-01

EBARA

EBARA CORPORATION

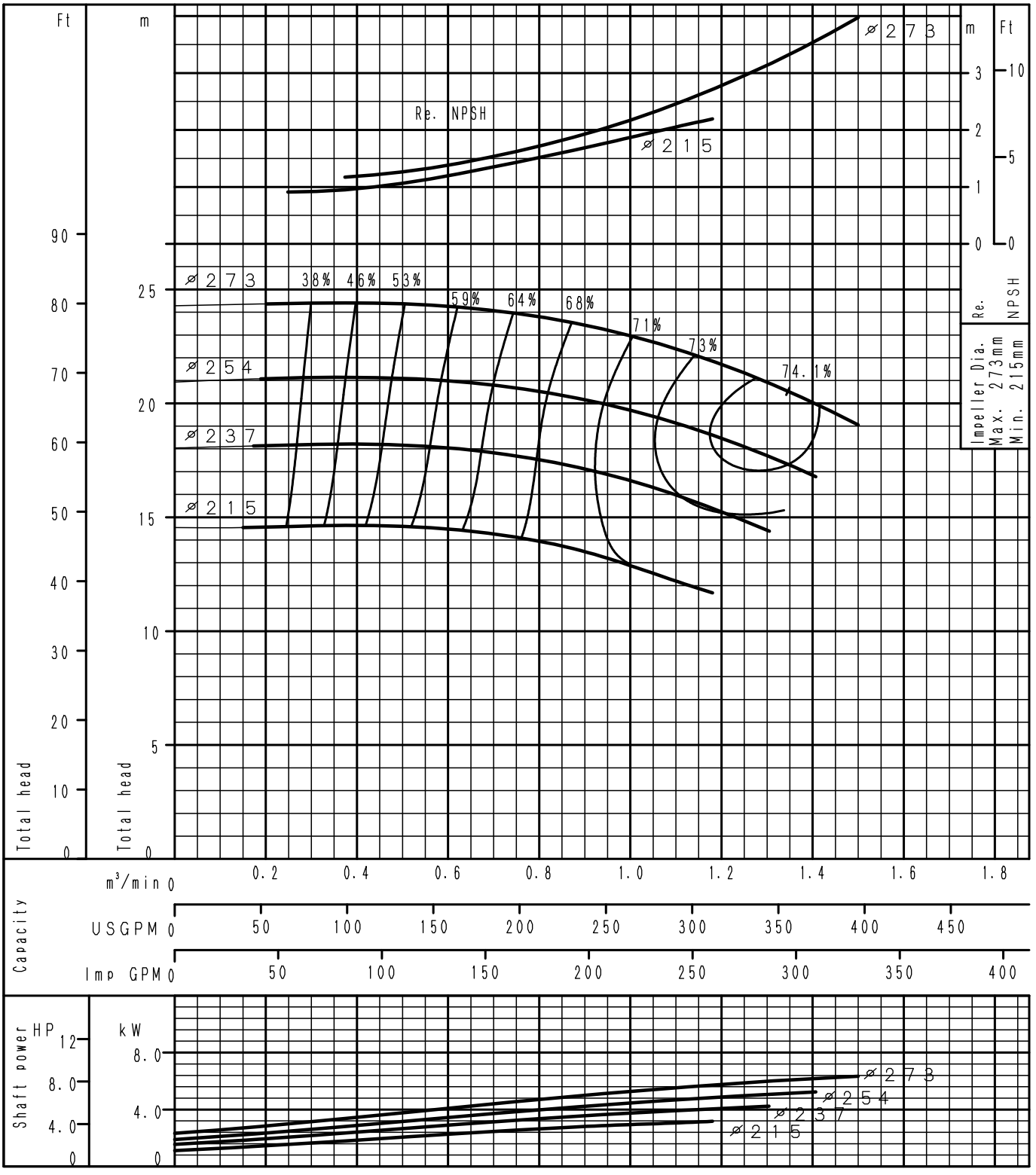
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630840-01

EBARA

EBARA CORPORATION

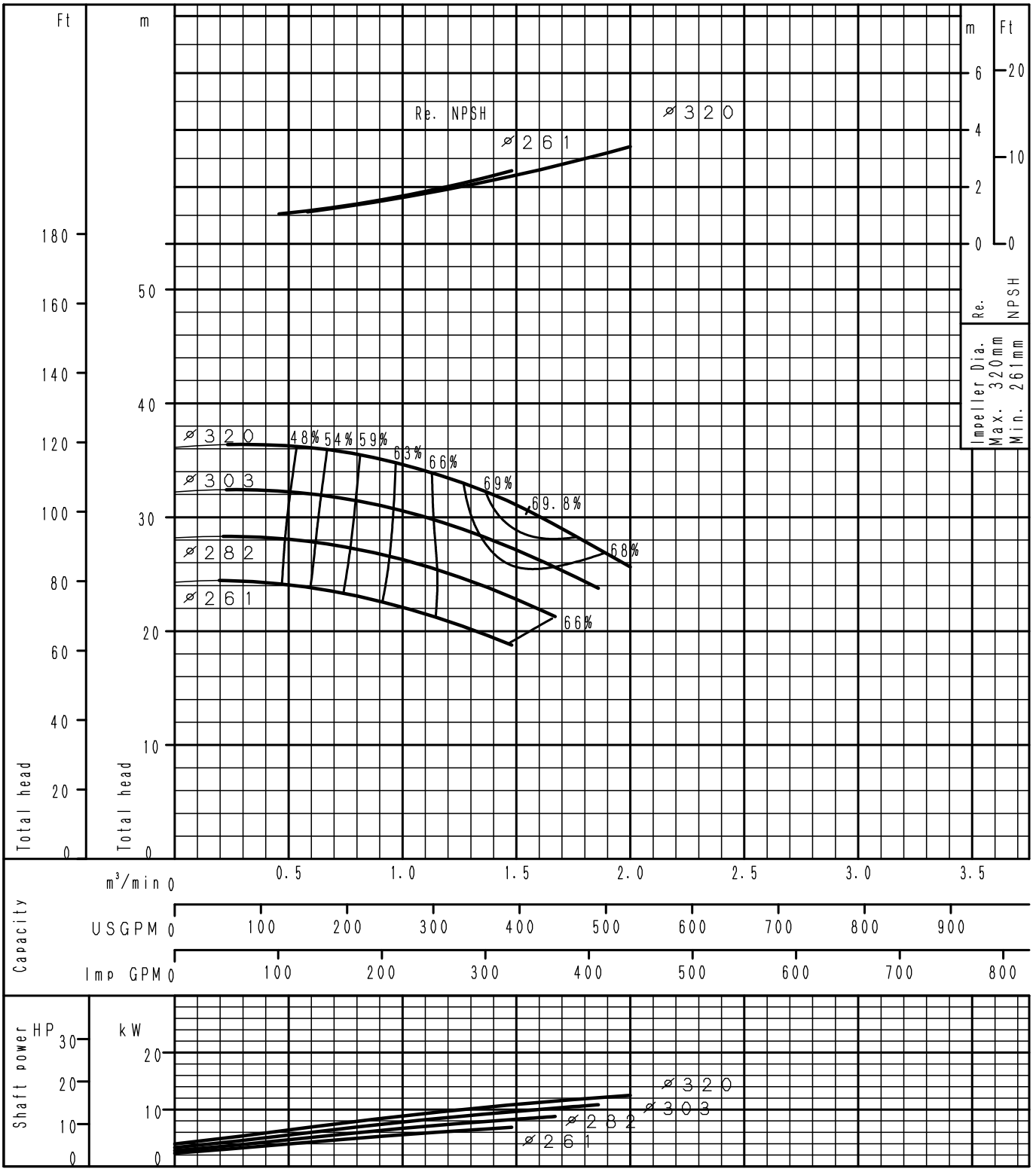
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630841-01

EBARA

EBARA CORPORATION

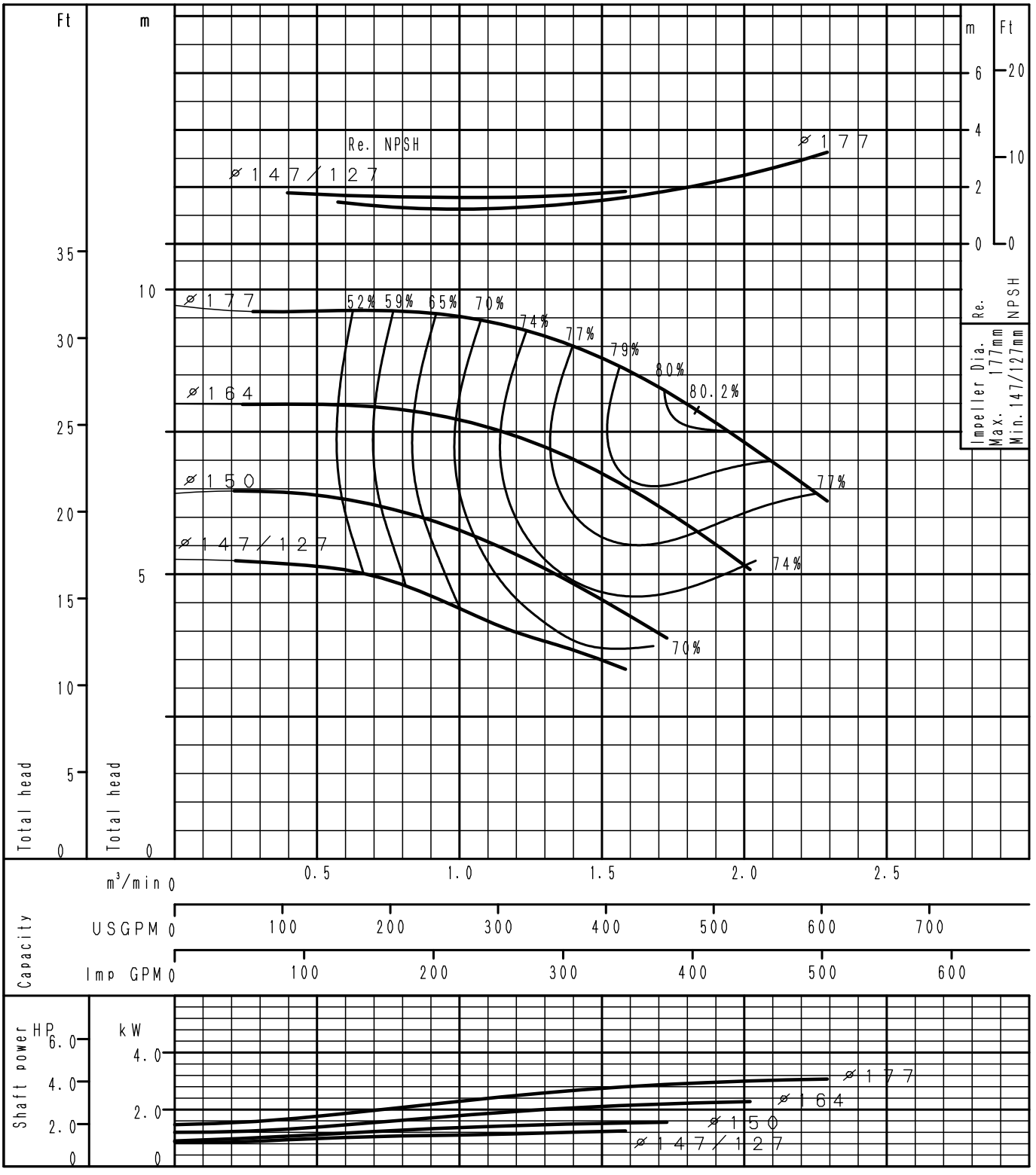
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630842-01

EBARA

EBARA CORPORATION

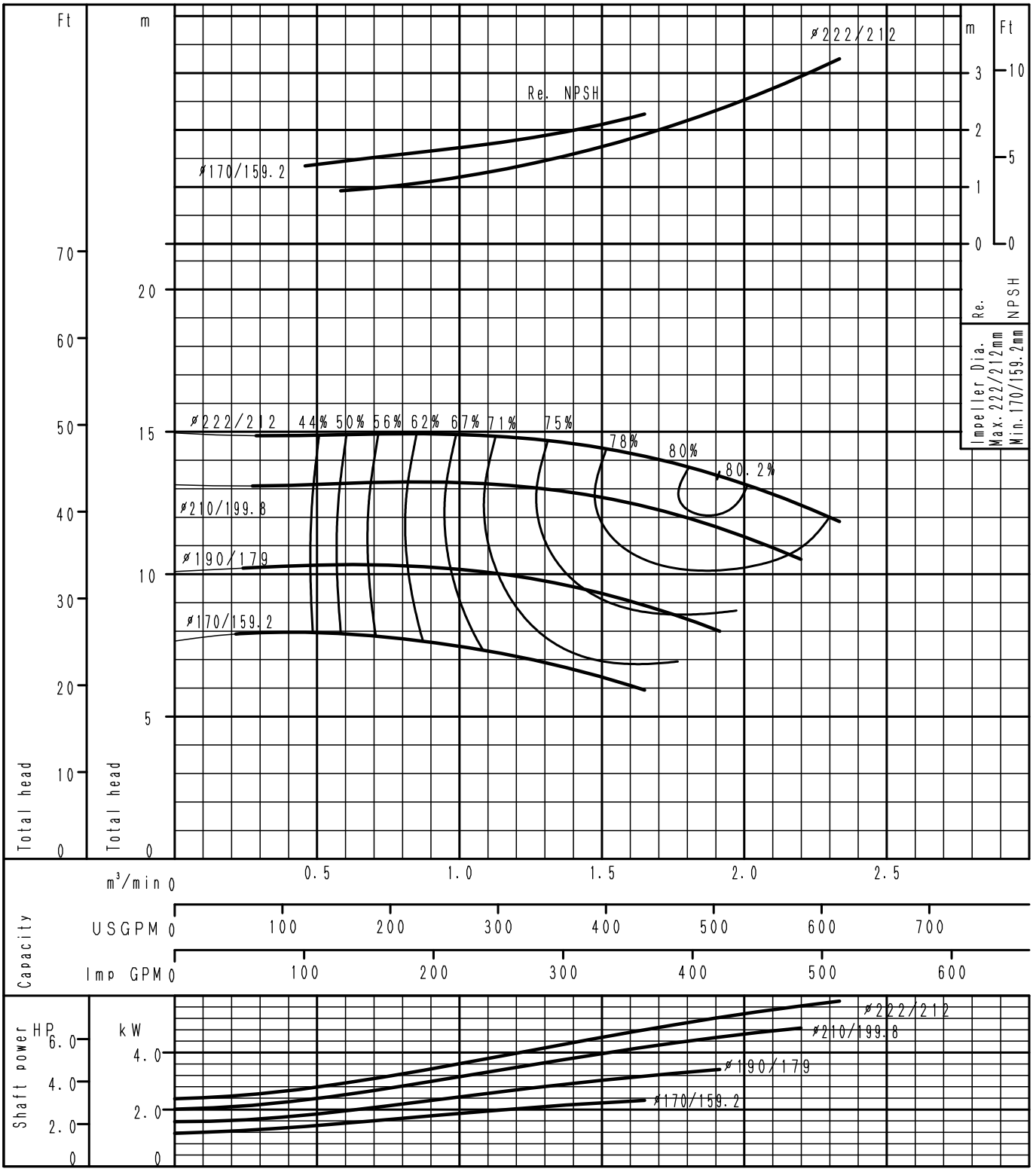
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630843-01

EBARA

EBARA CORPORATION

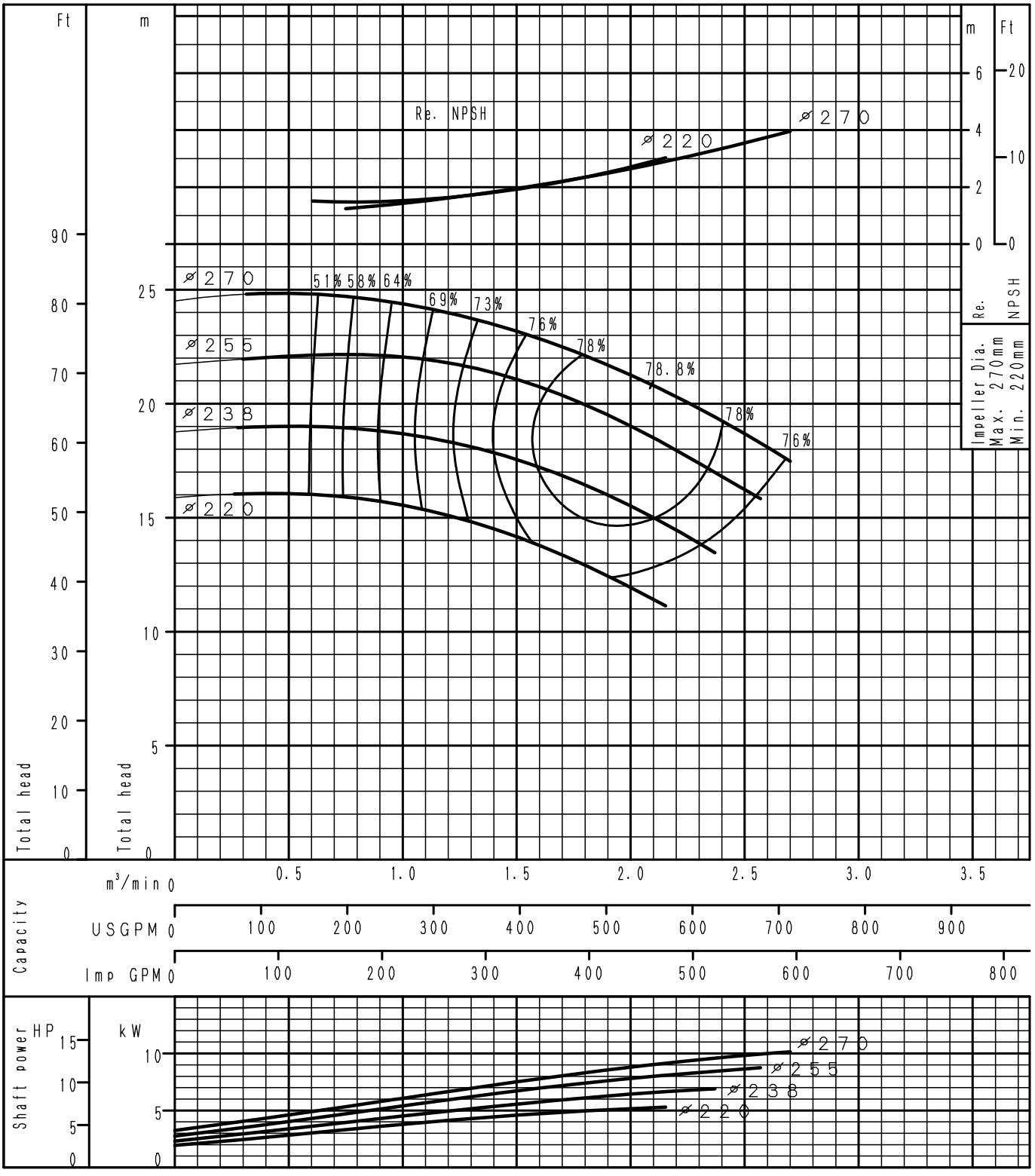
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630844-01

EBARA

EBARA CORPORATION

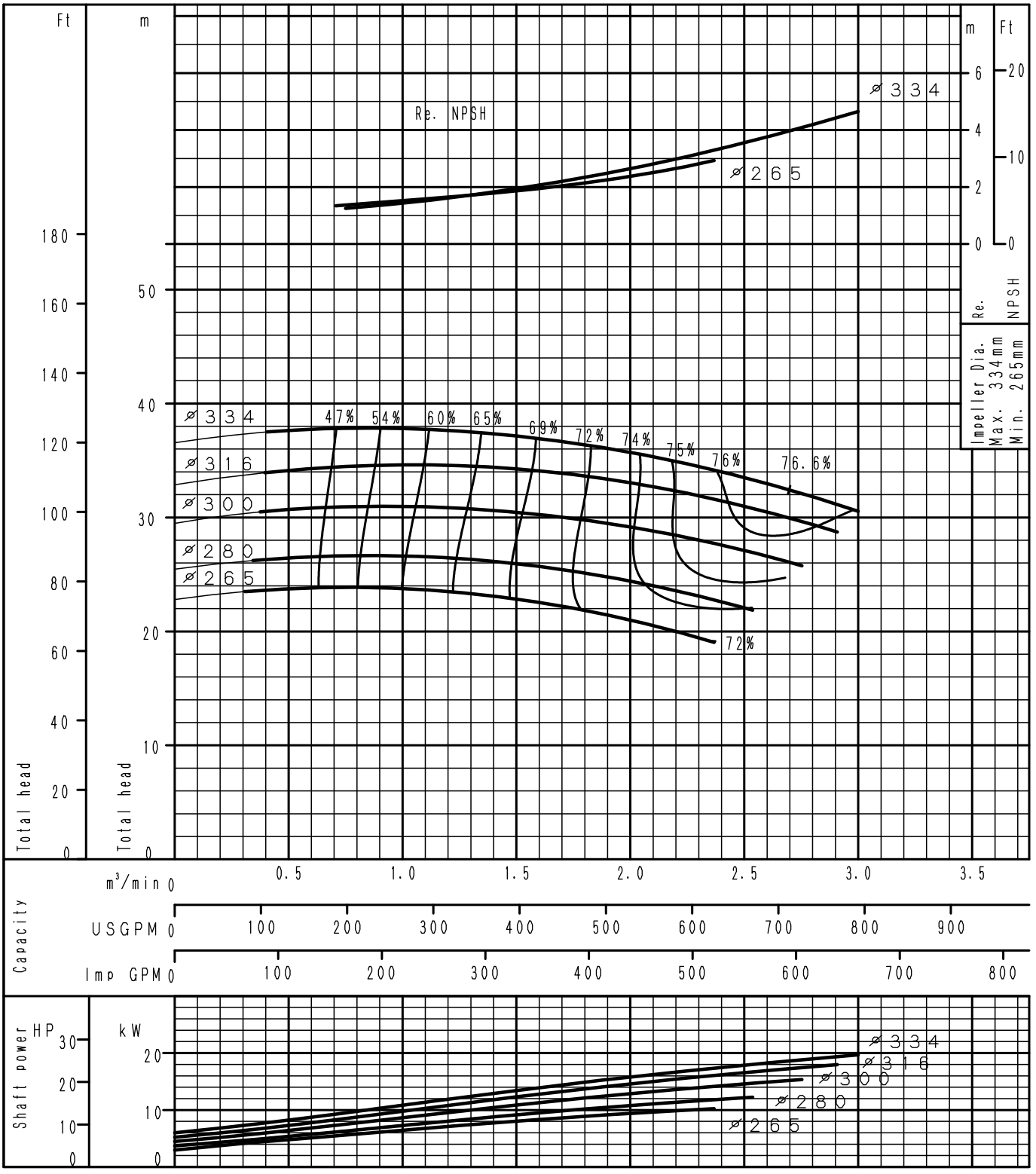
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630845-01

EBARA

EBARA CORPORATION

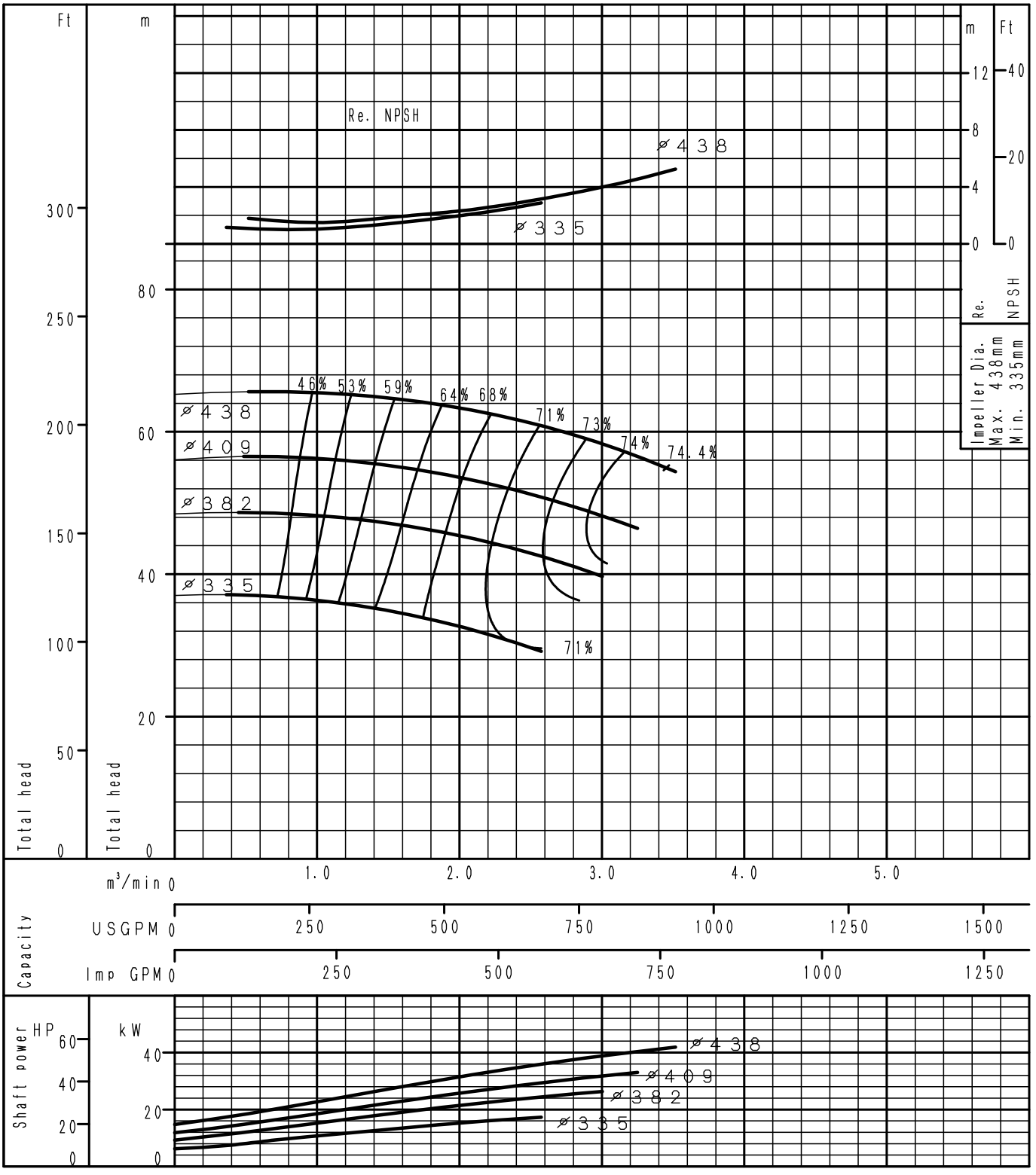
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-400	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630846-01

EBARA

EBARA CORPORATION

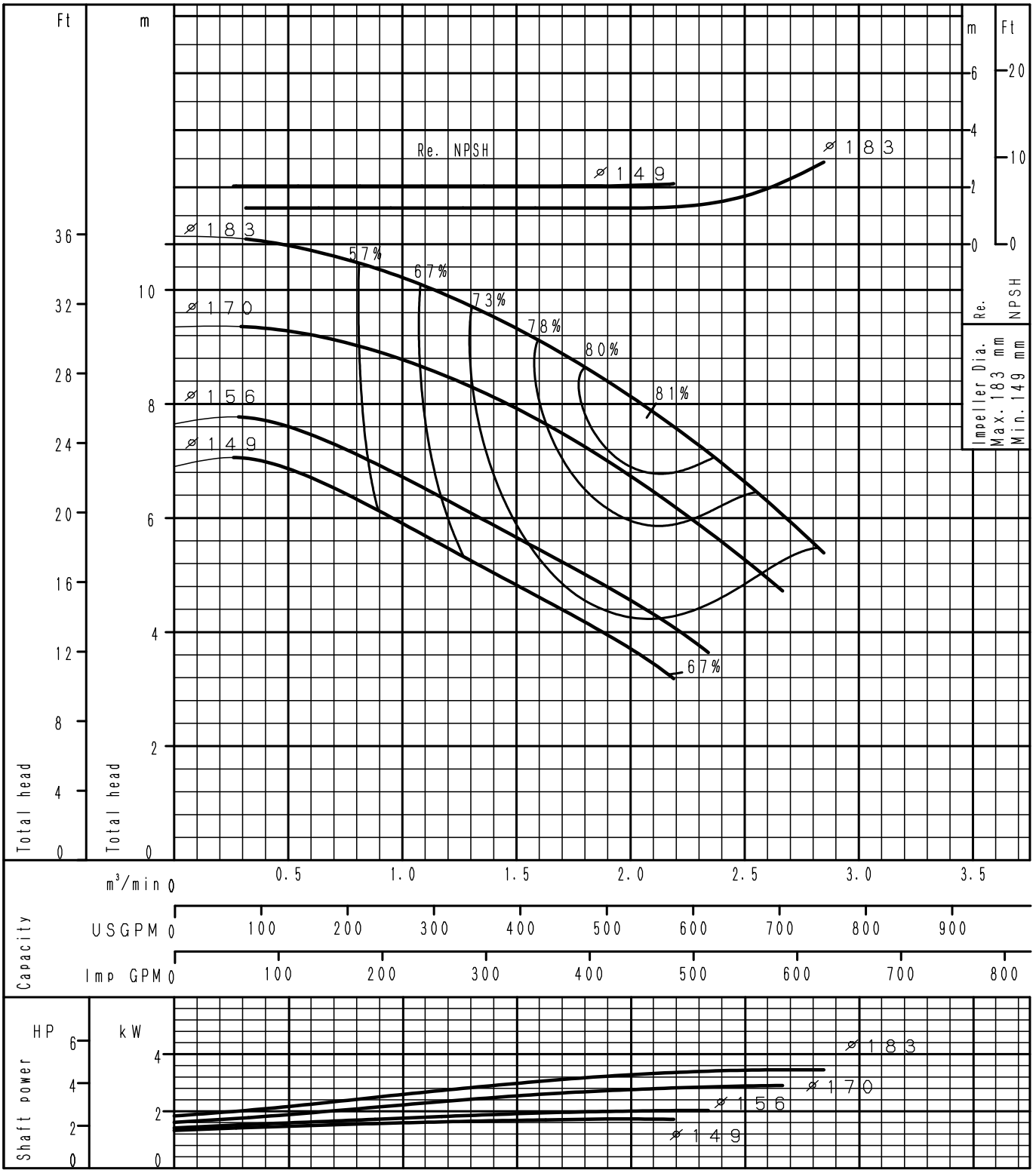
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-160	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731642-00

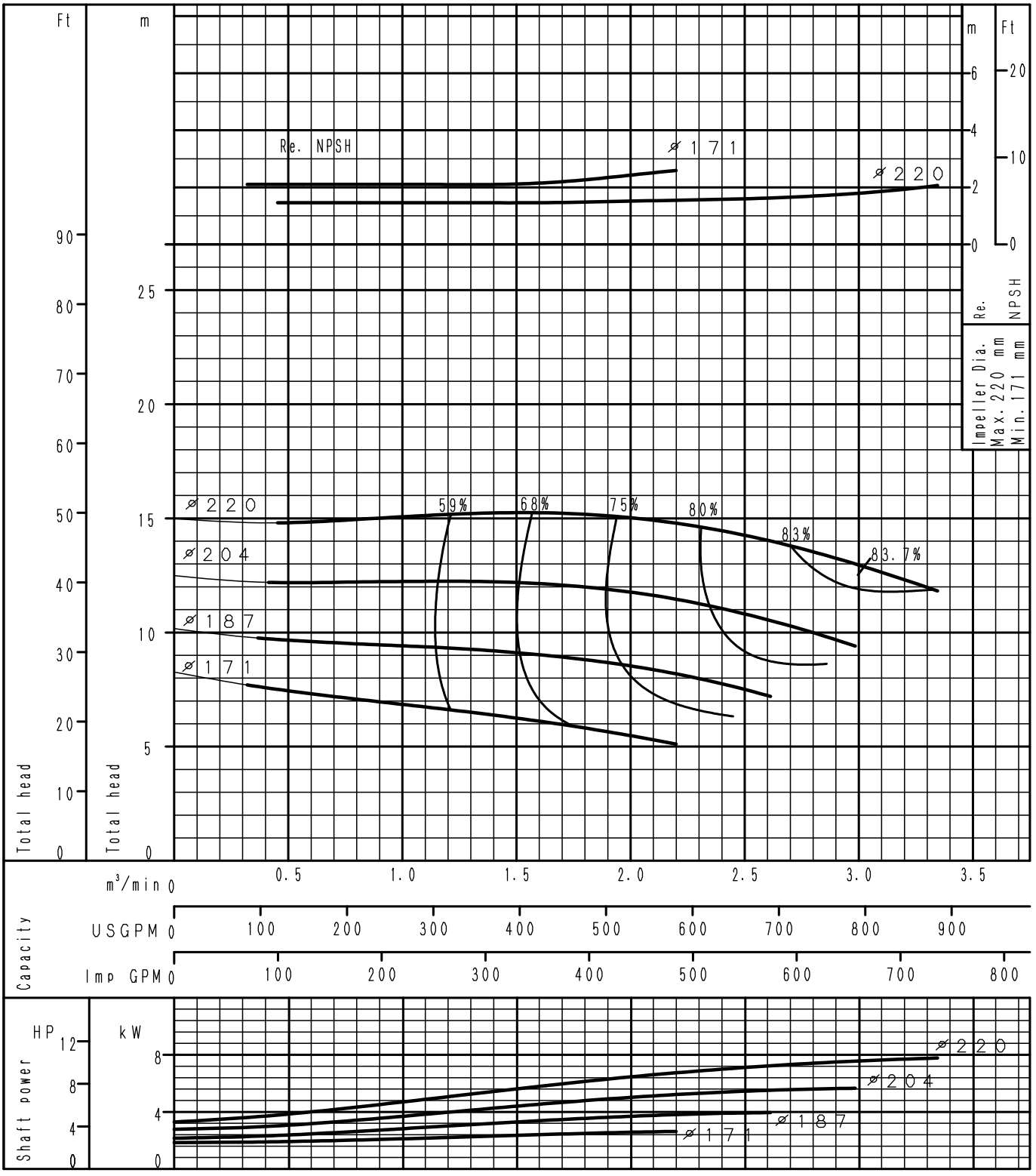
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731643-00

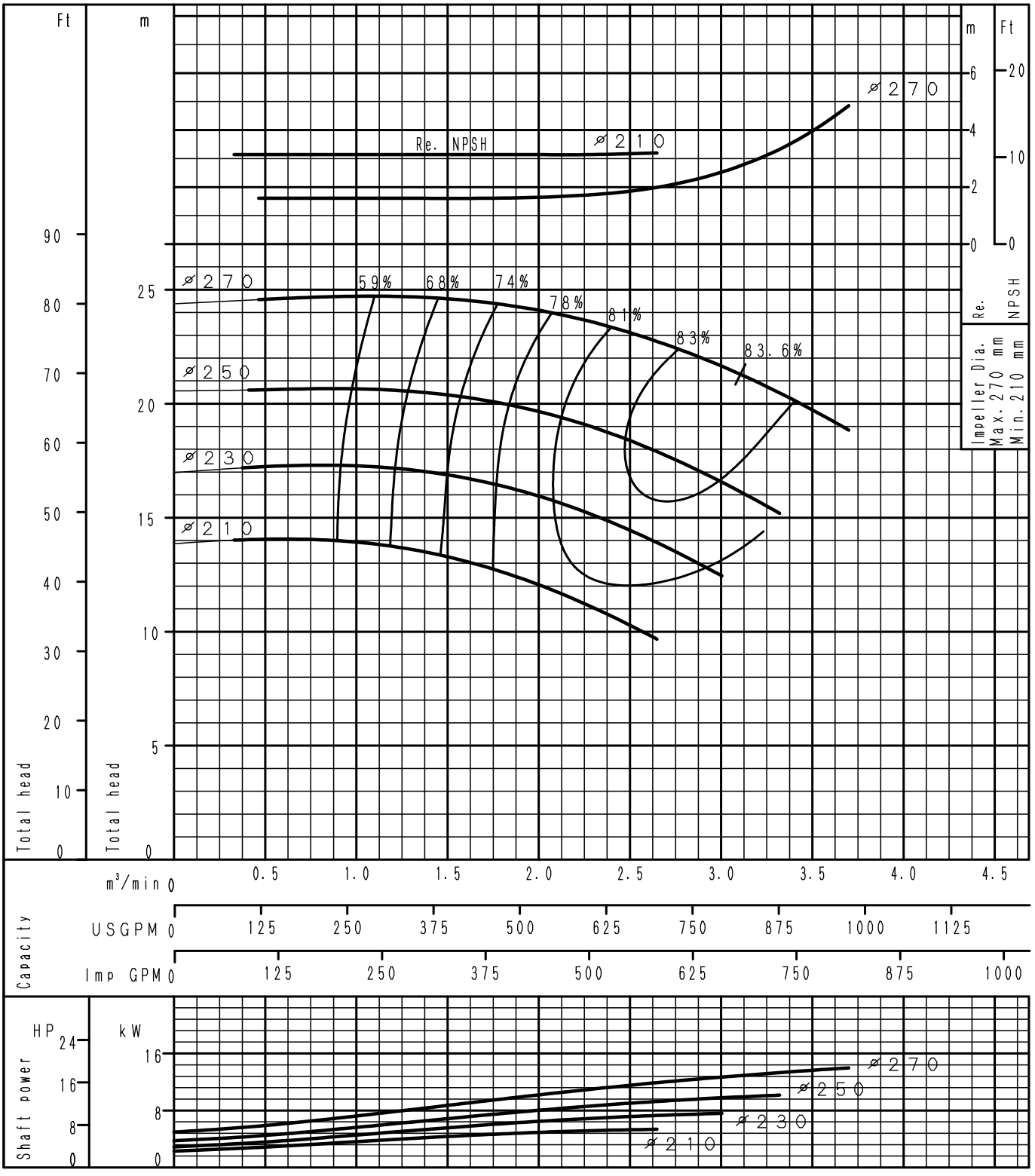
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731644-00

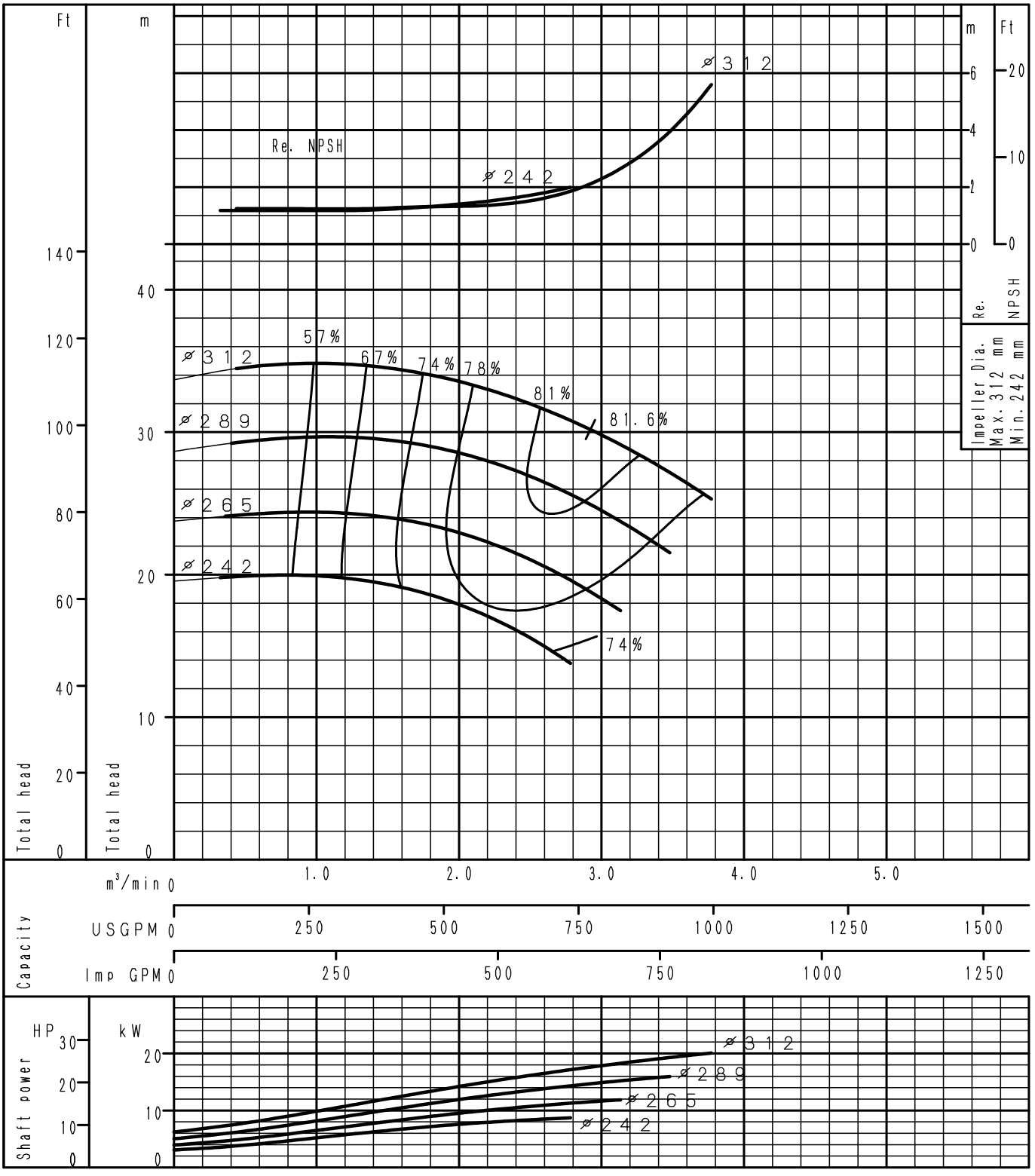
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731645-00

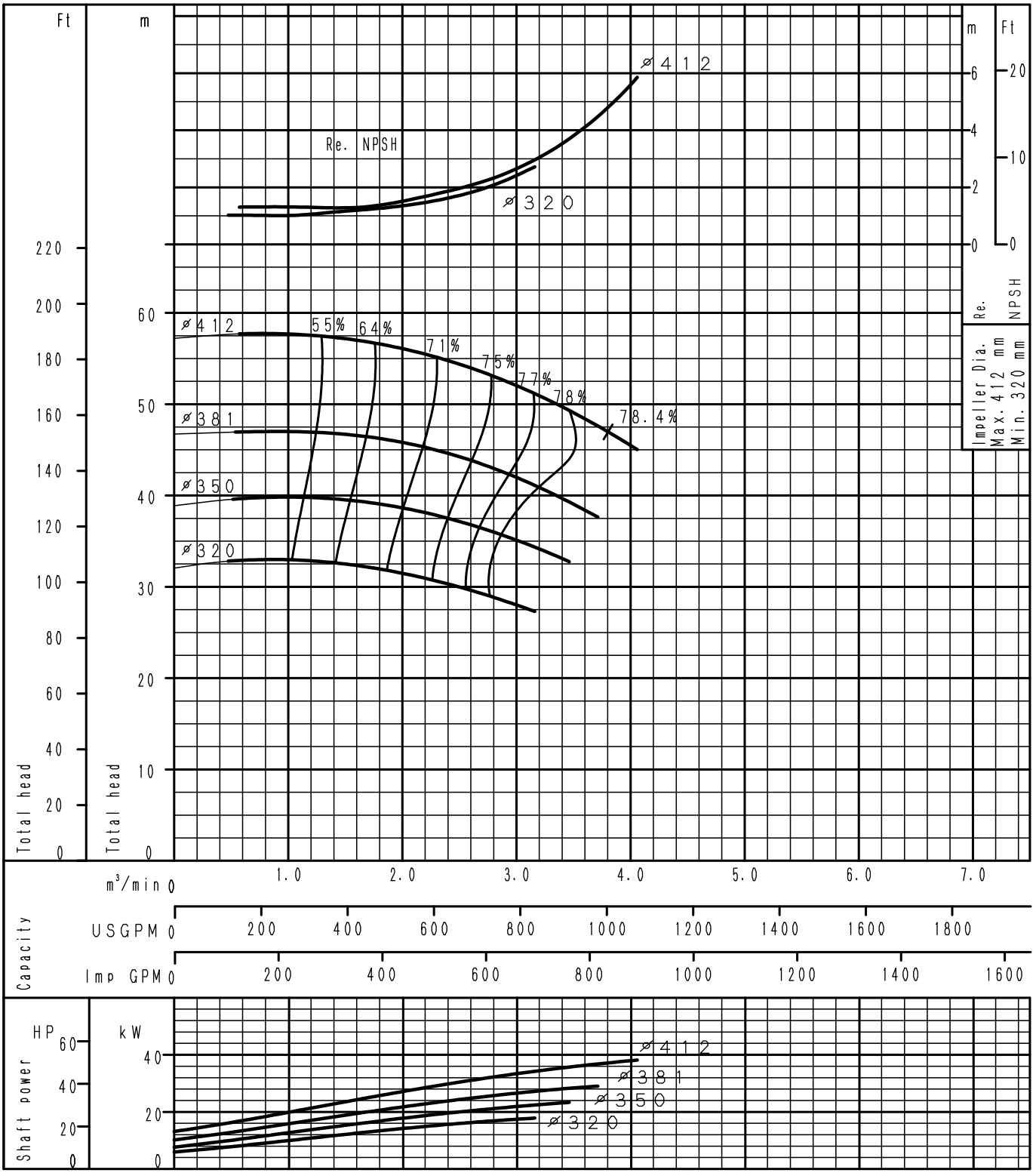
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-400	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731646-00

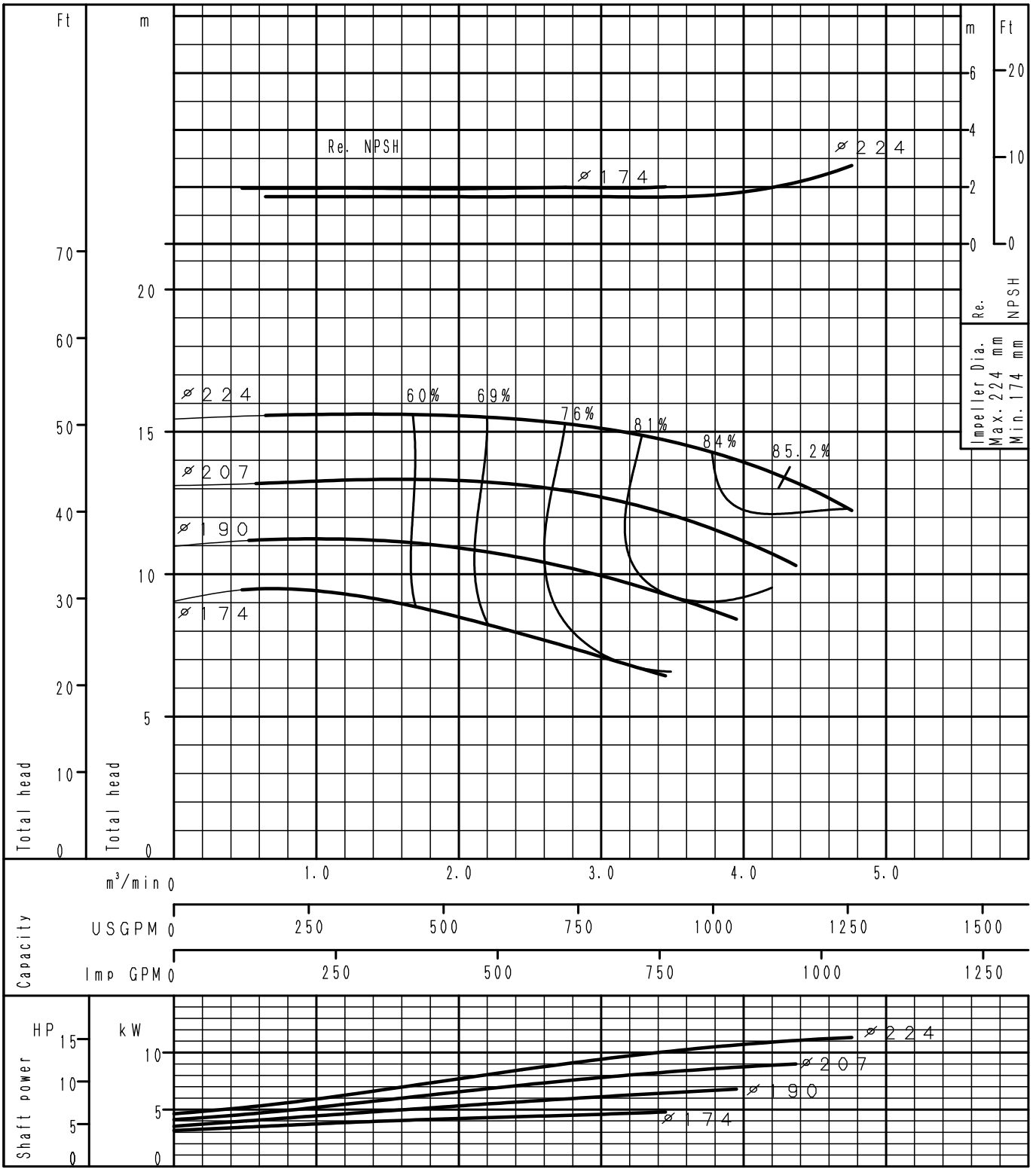
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731647-00

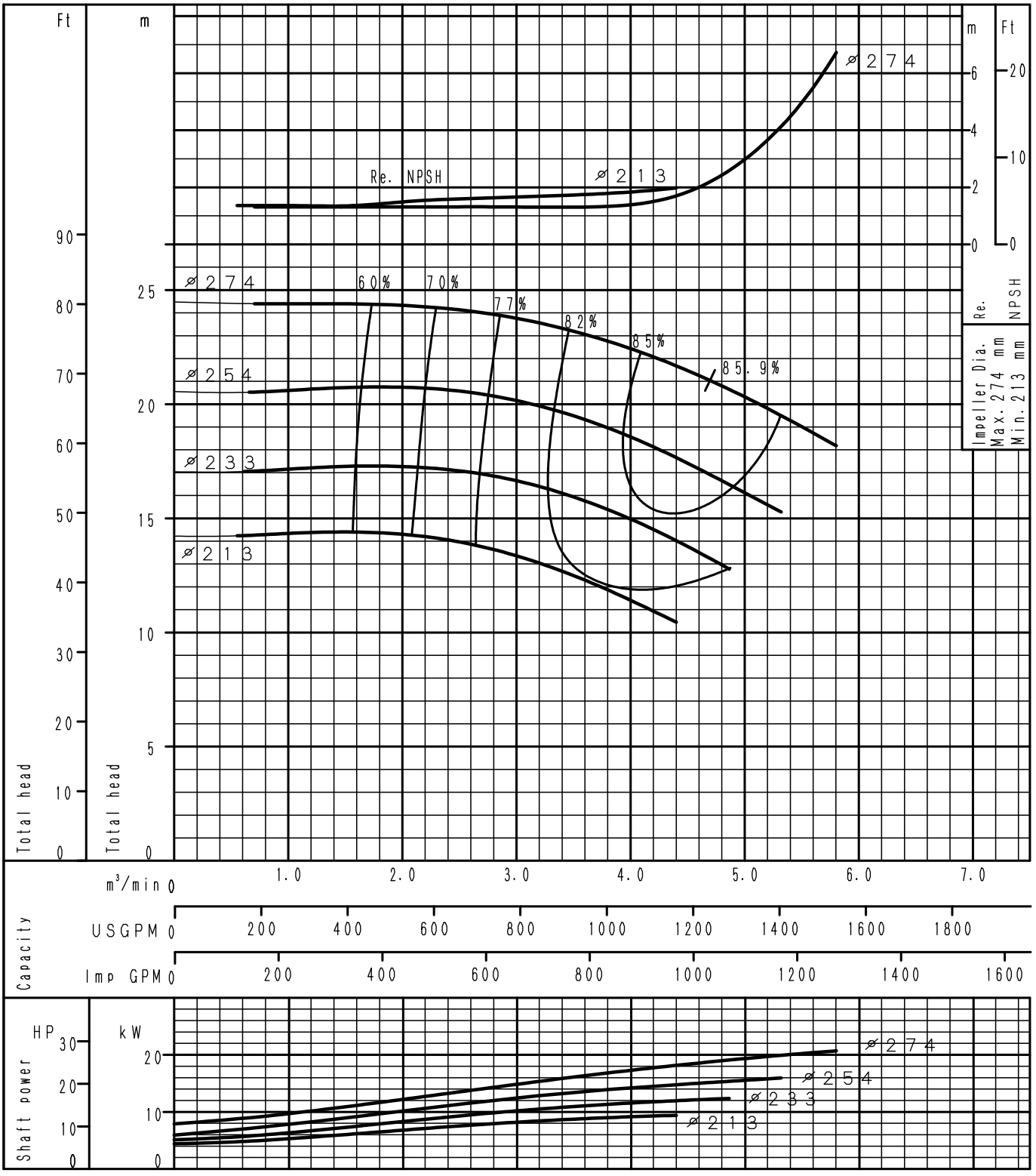
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731648-00

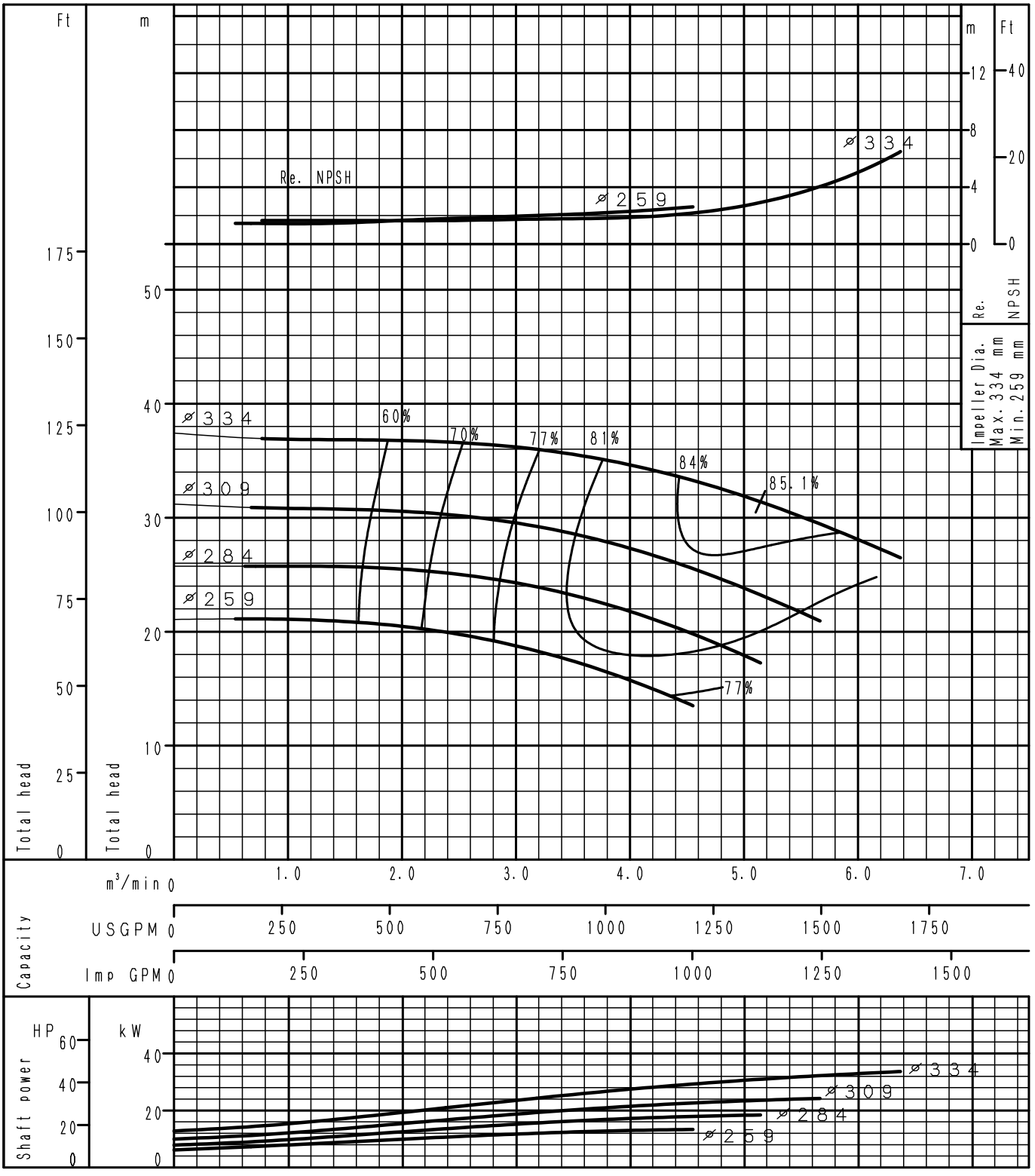
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731649-00

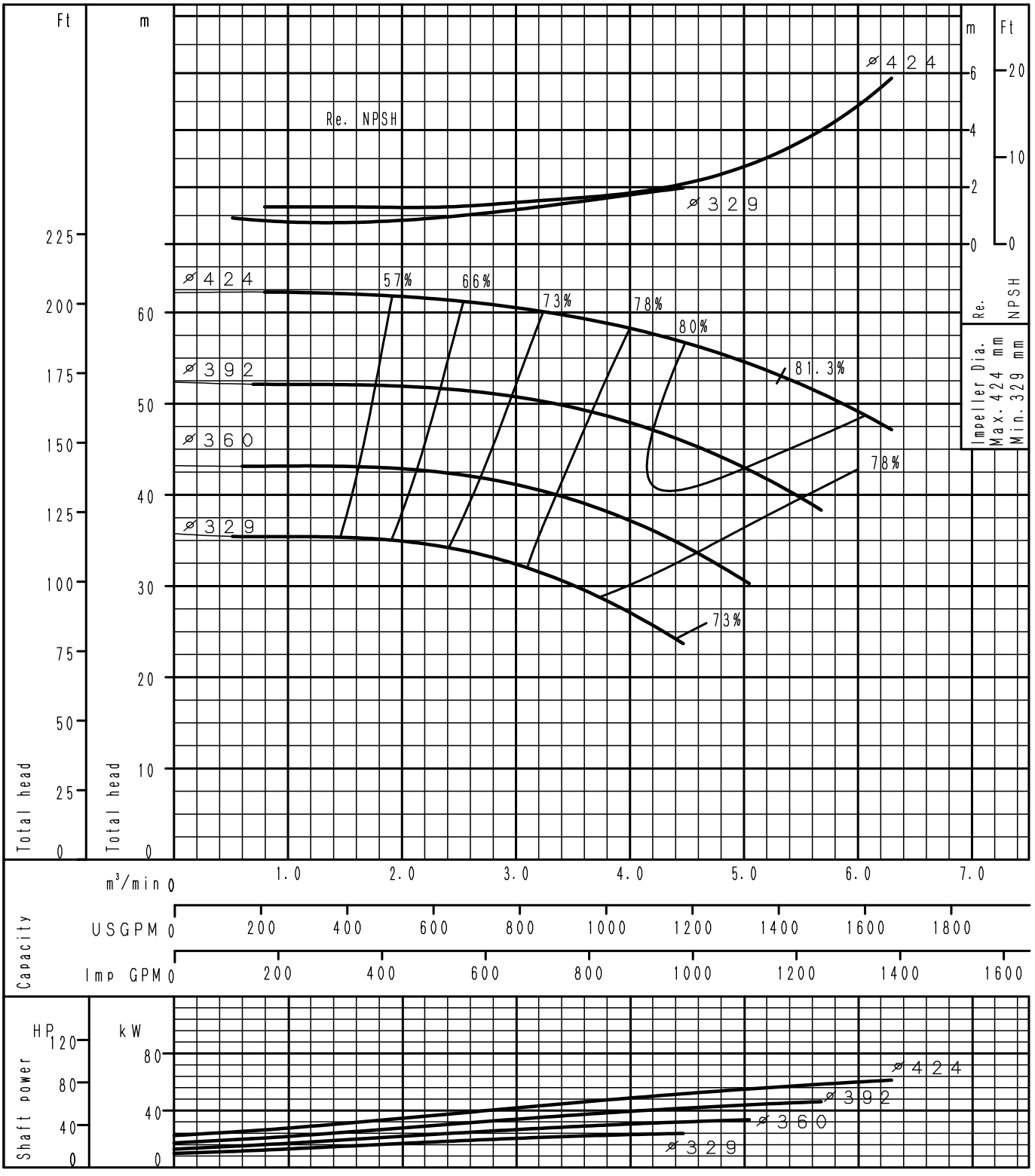
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-400	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1731650-00

EBARA

EBARA CORPORATION

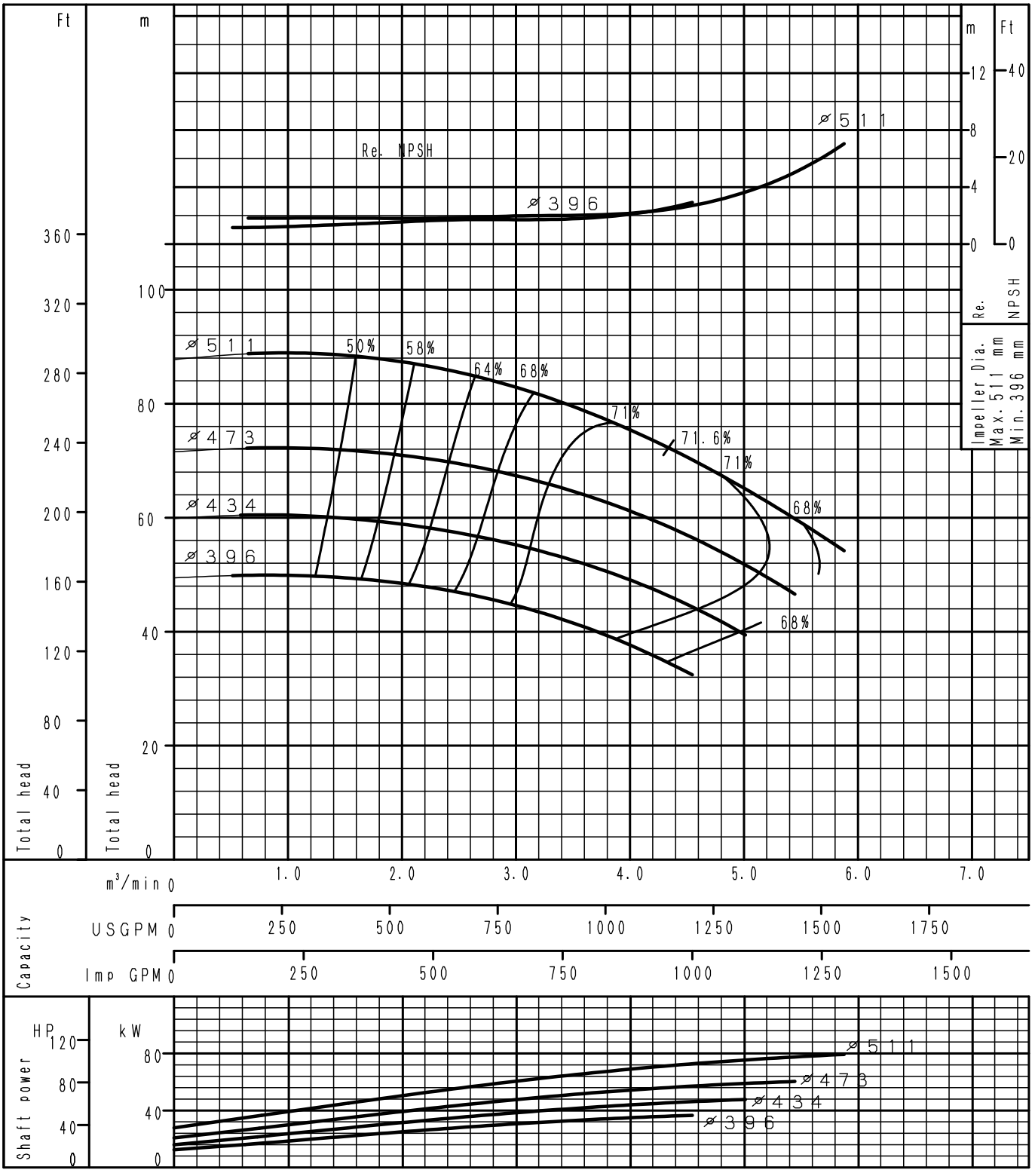
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-500	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1731651-00

EBARA

EBARA CORPORATION

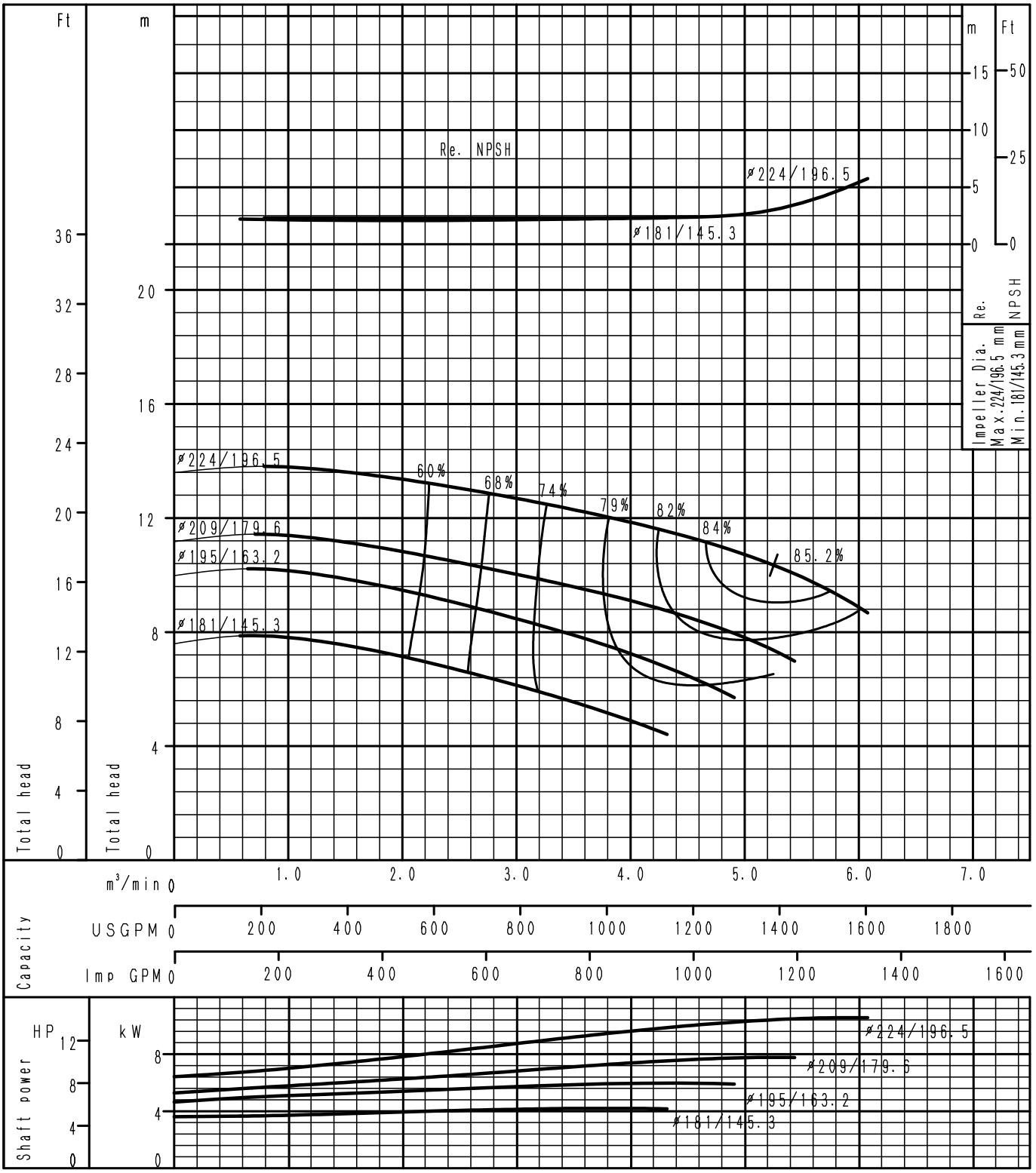
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-200	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731652-00

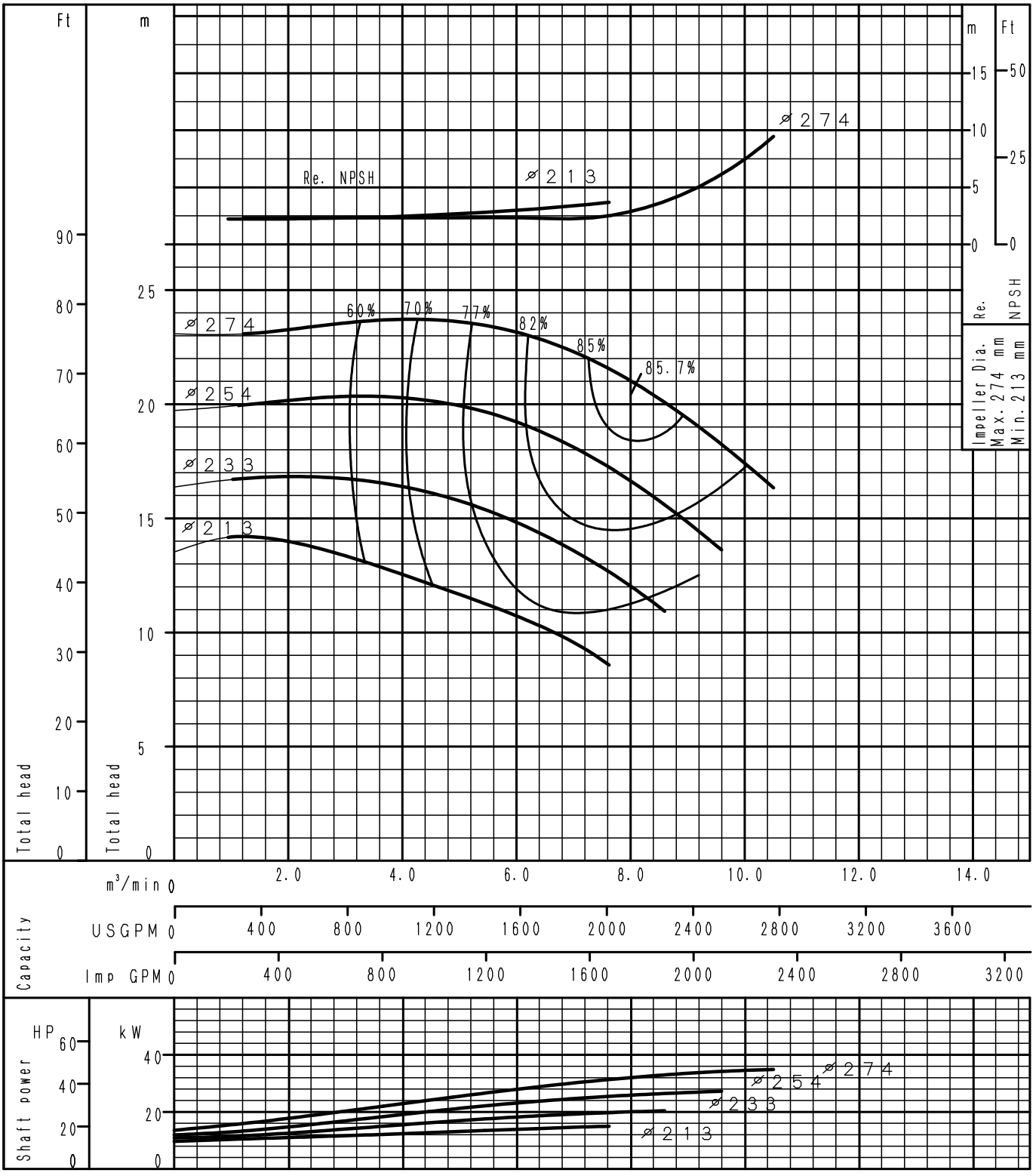
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-250	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731653-00

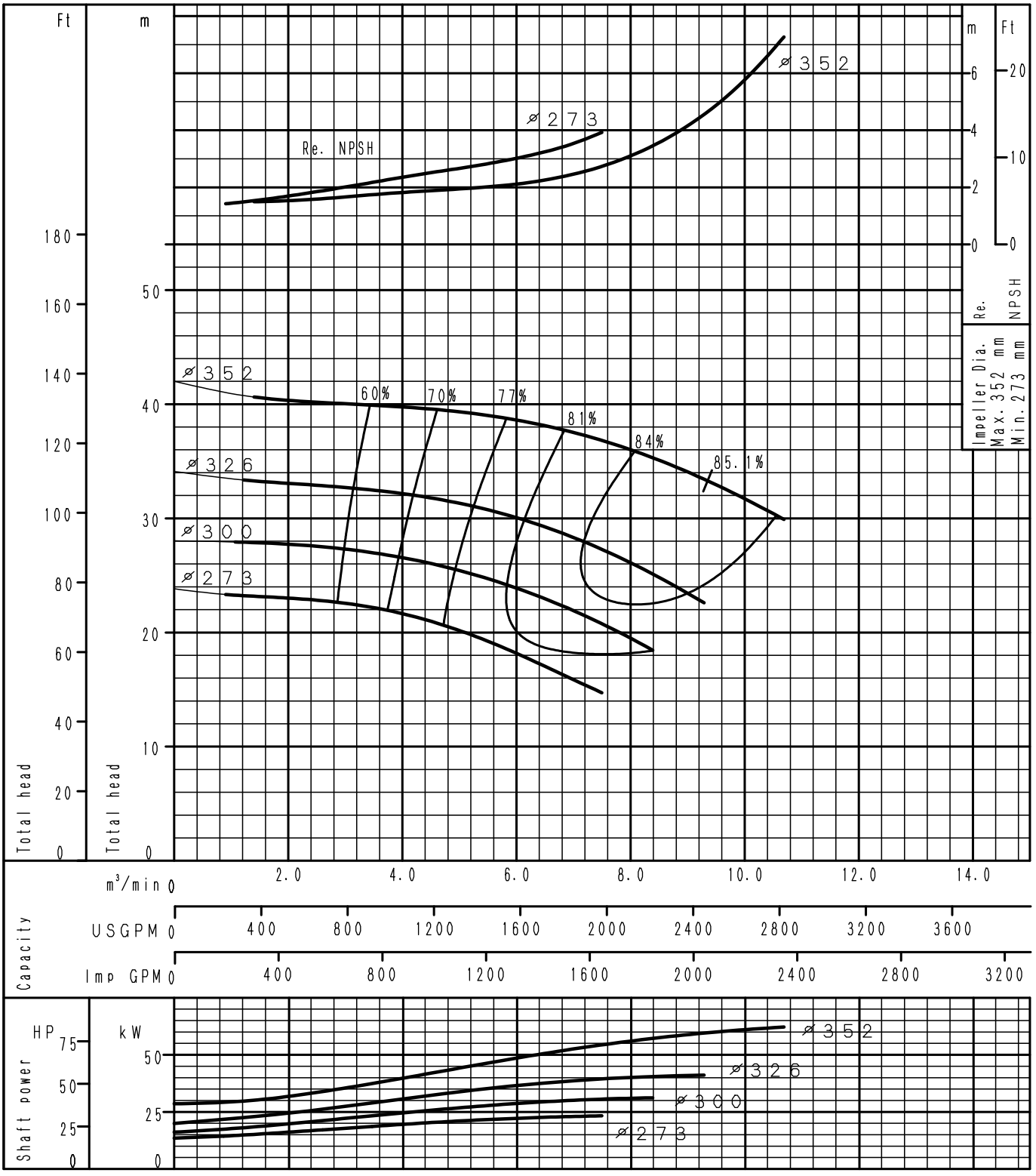
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-315	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731654-00

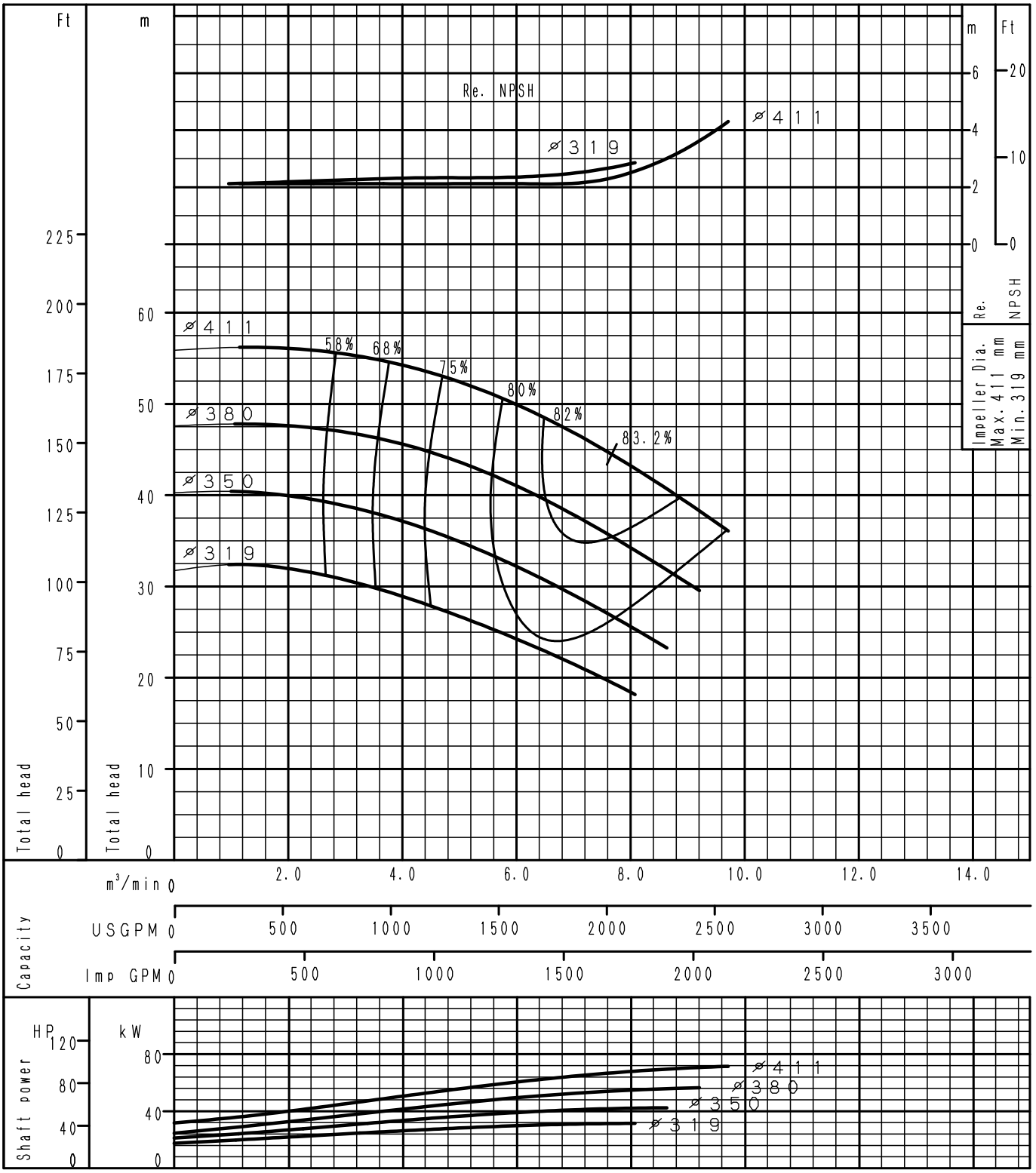
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-400	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731655-00

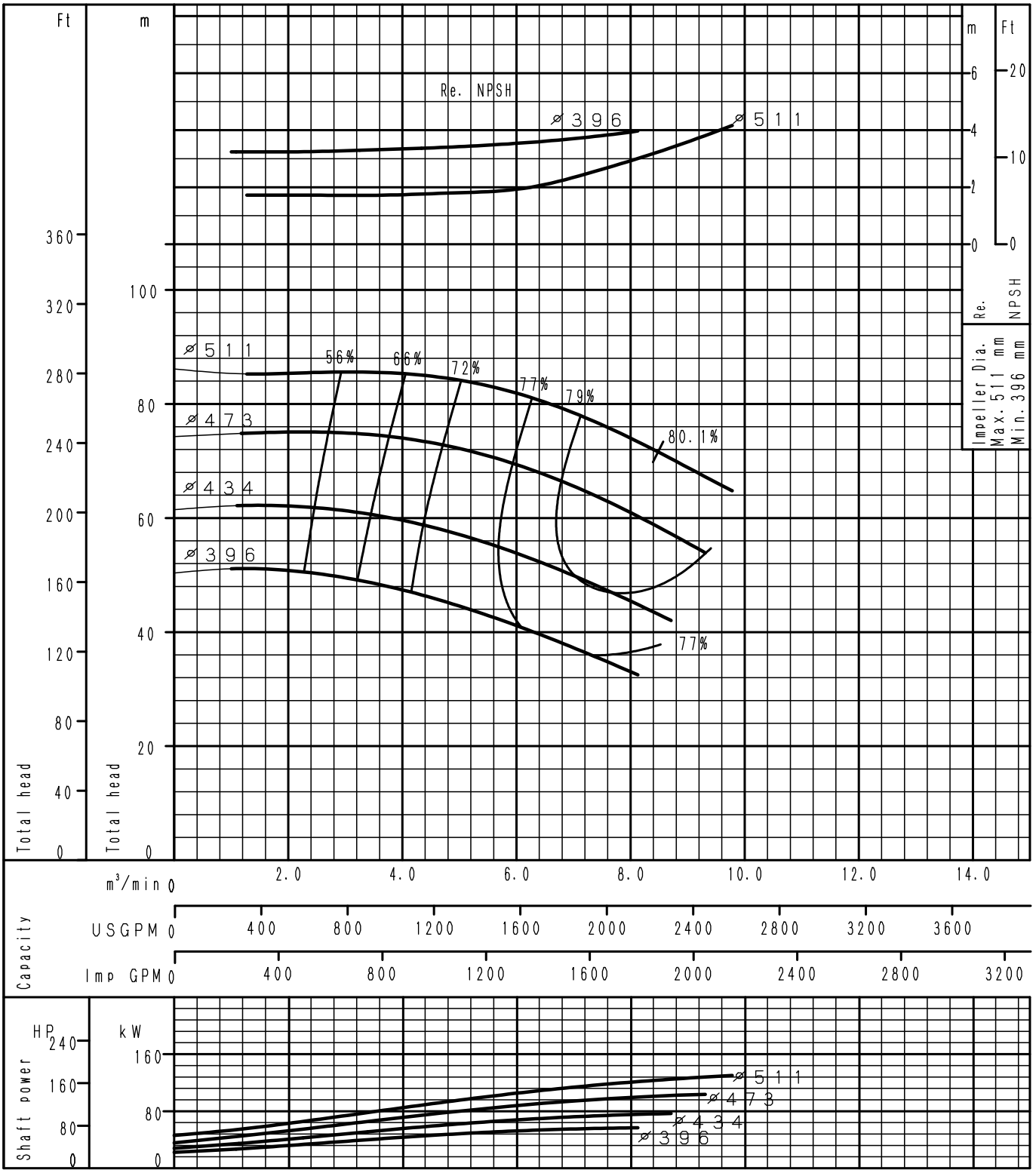
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-500	According to ISO testing code 9906 Grade 3B
50Hz (Speed 1450 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731656-00

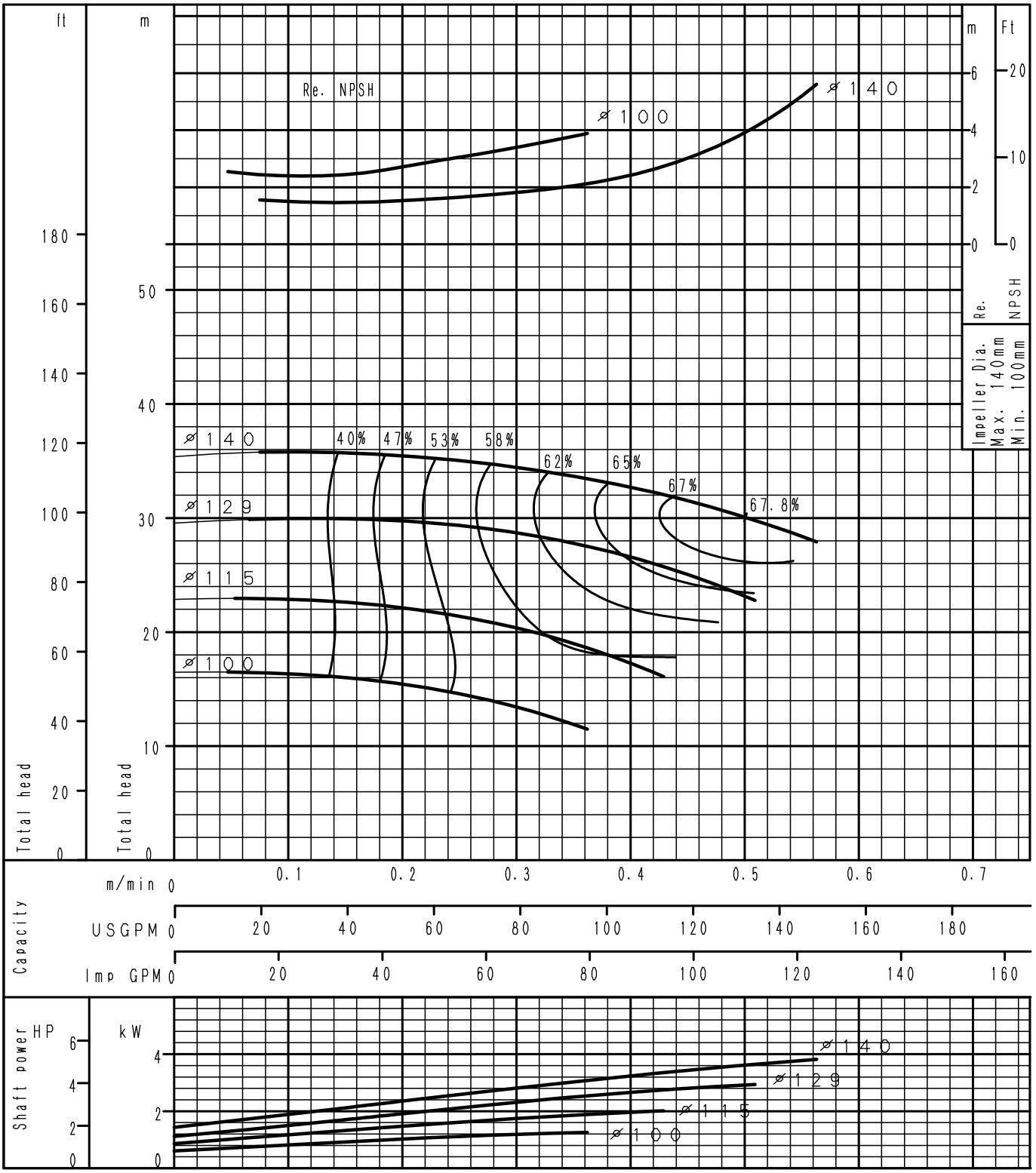
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-125.1	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630847-01

EBARA

EBARA CORPORATION

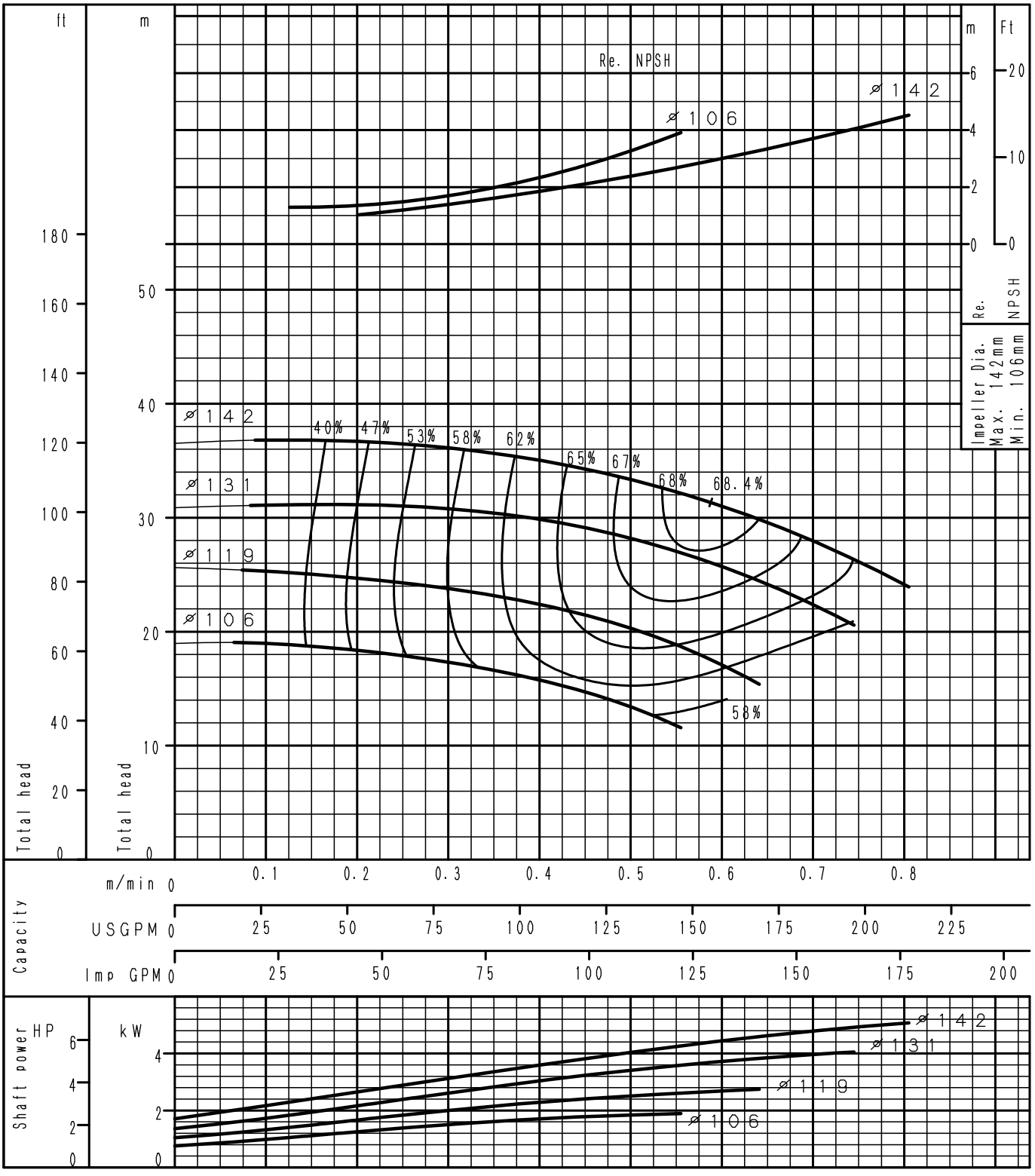
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630848-01

EBARA

EBARA CORPORATION

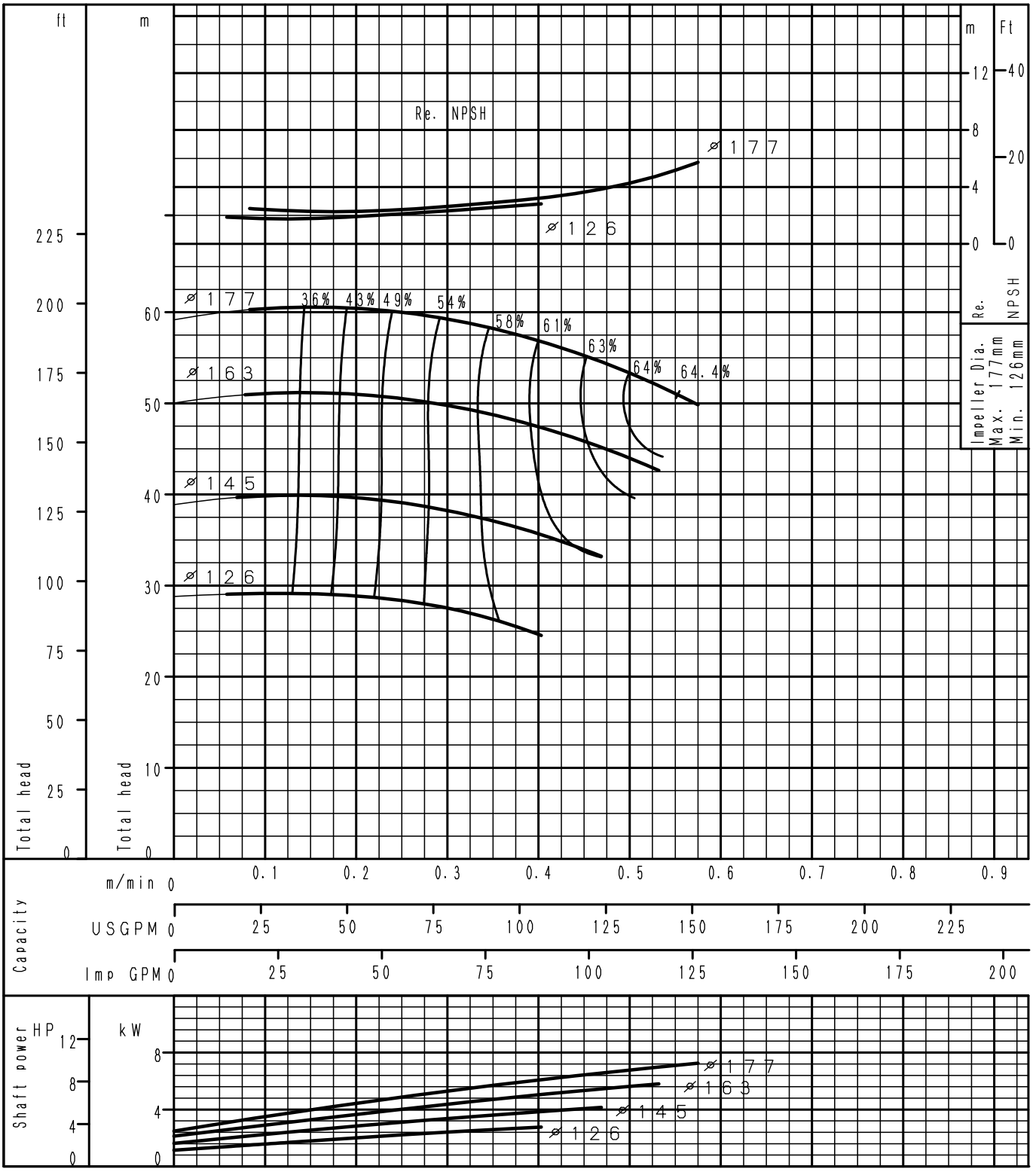
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-160.1	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630849-01

EBARA

EBARA CORPORATION

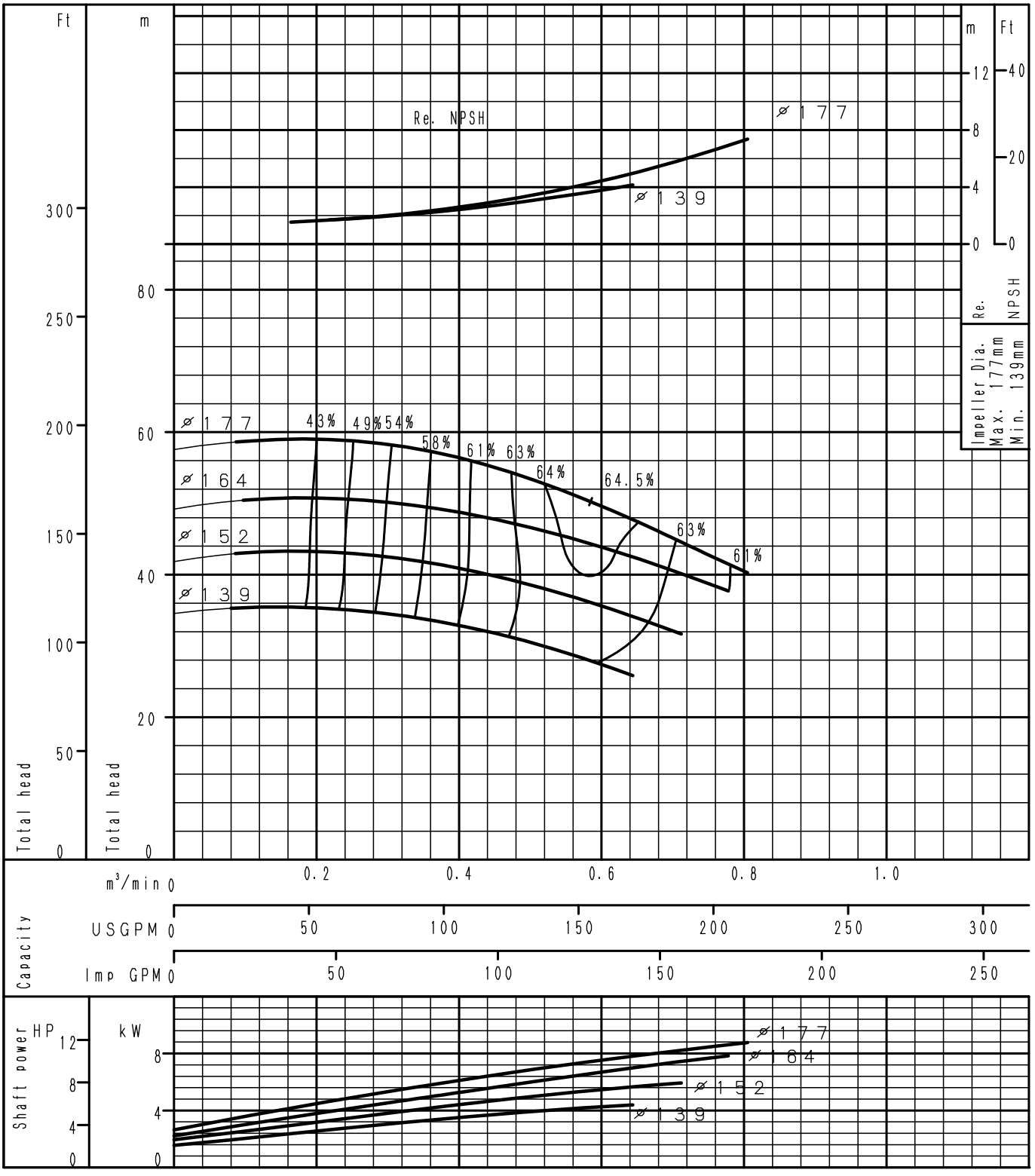
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630850-01

EBARA

EBARA CORPORATION

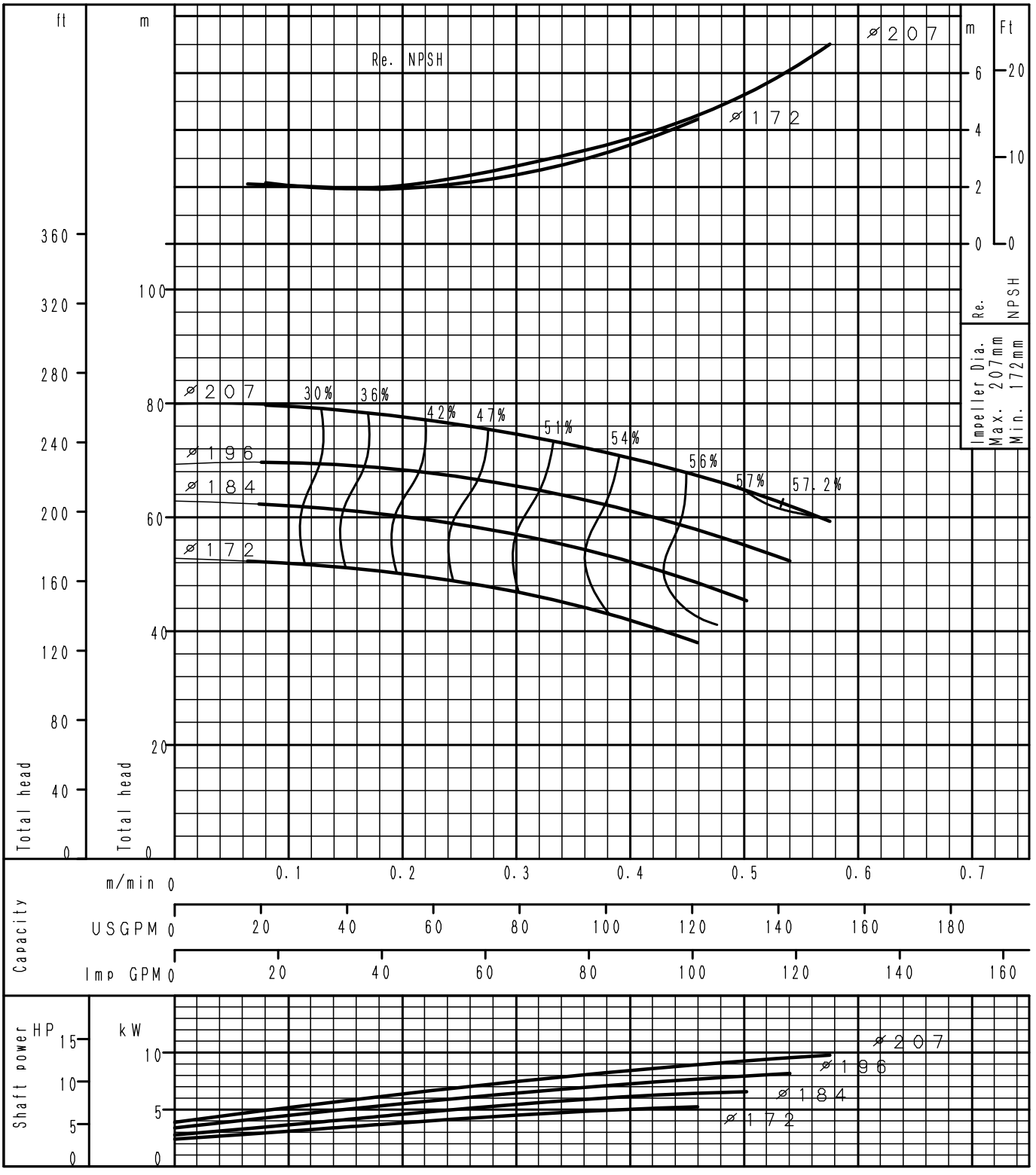
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-200.1	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630851-01

EBARA

EBARA CORPORATION

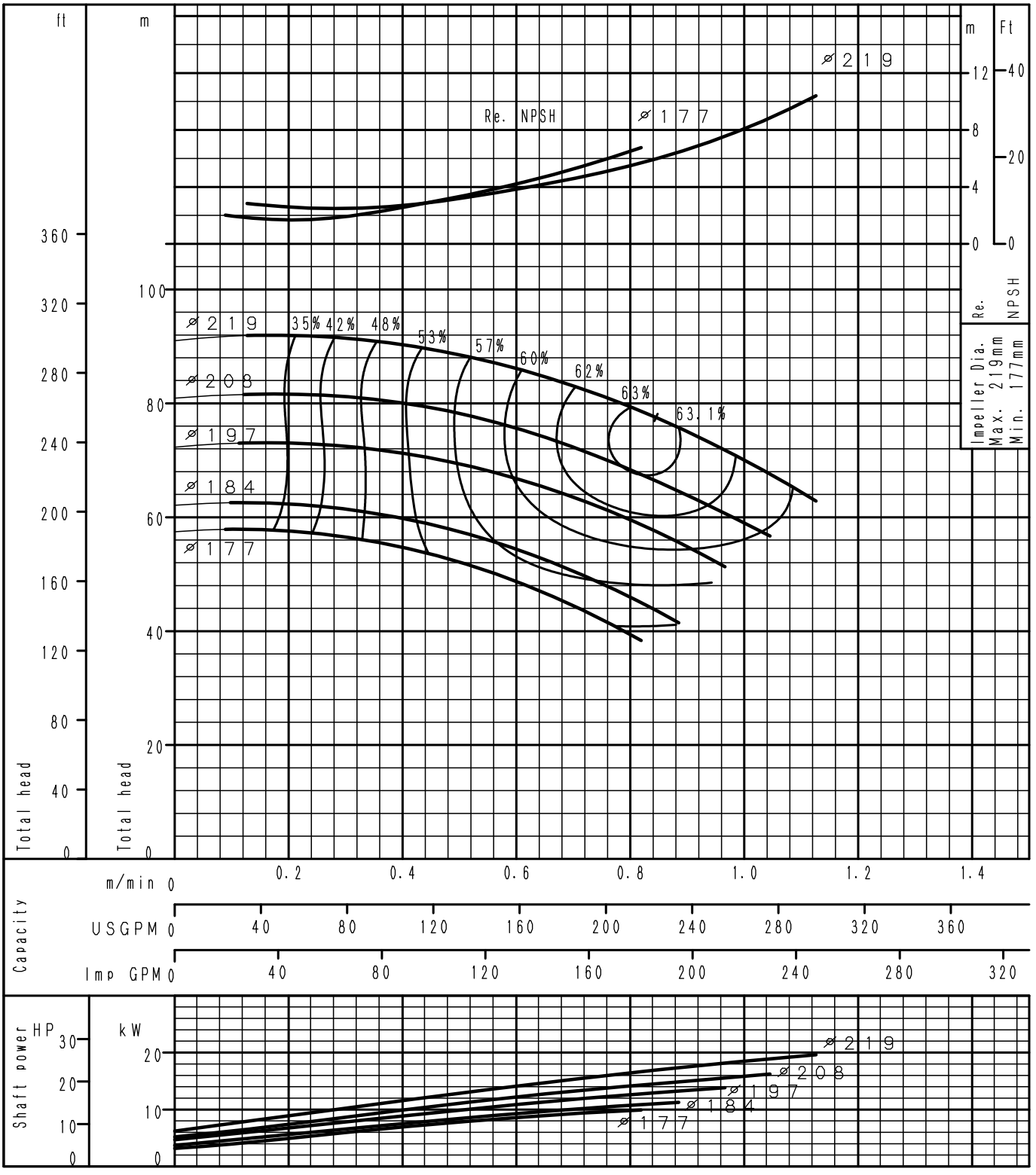
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630852-01

EBARA

EBARA CORPORATION

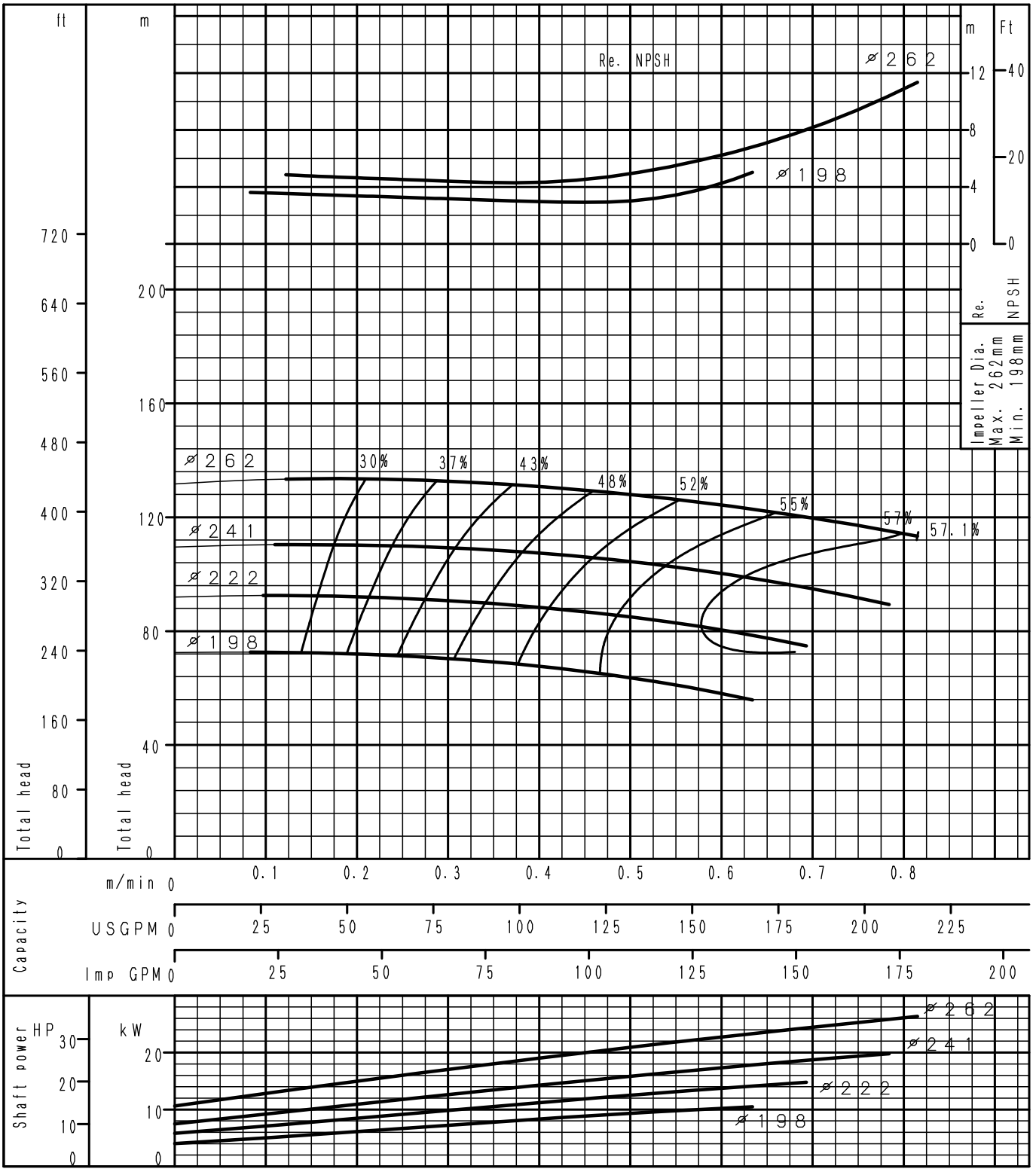
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS32-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630853-01

EBARA

EBARA CORPORATION

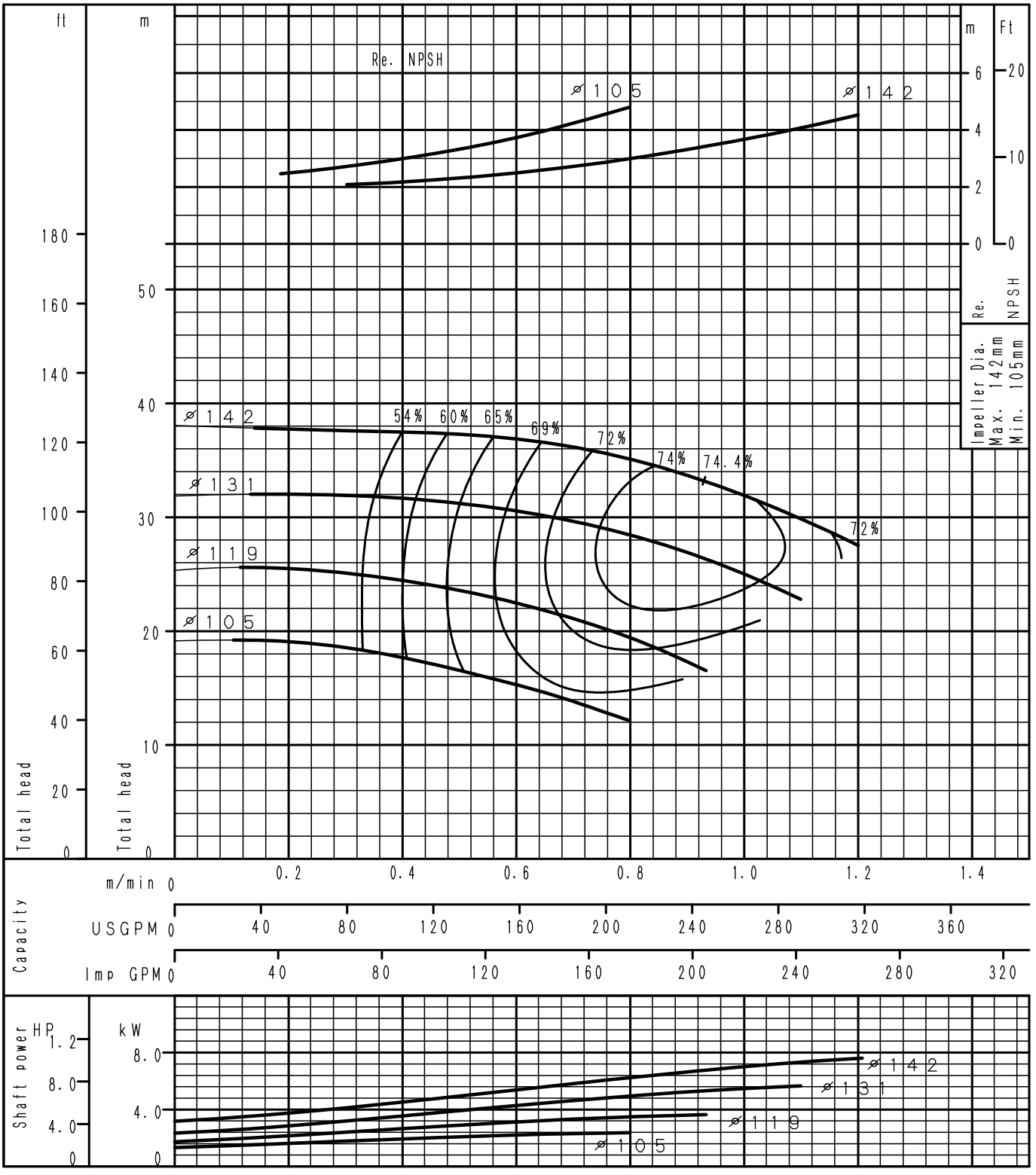
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630854-01

EBARA

EBARA CORPORATION

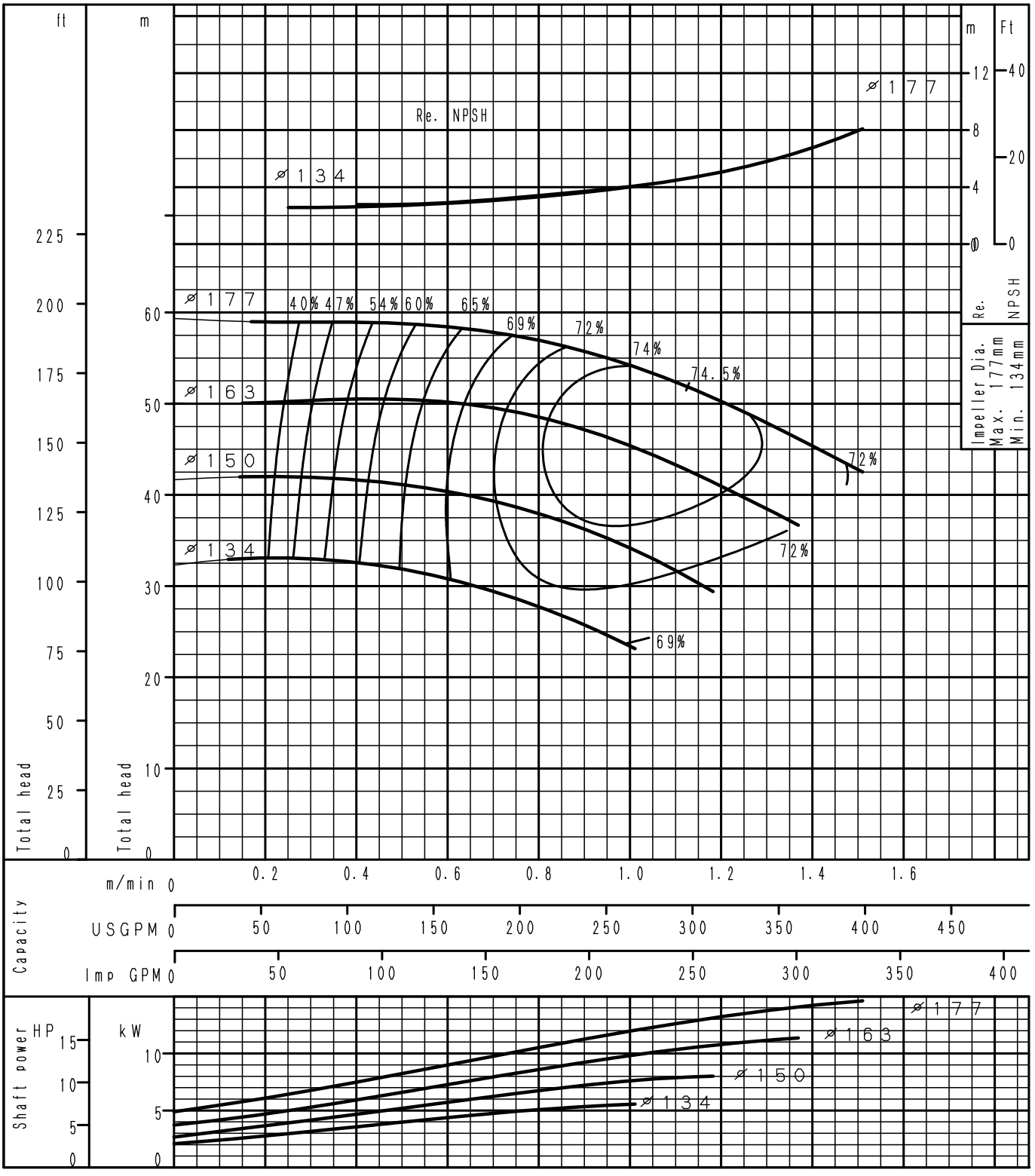
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630855-01

EBARA

EBARA CORPORATION

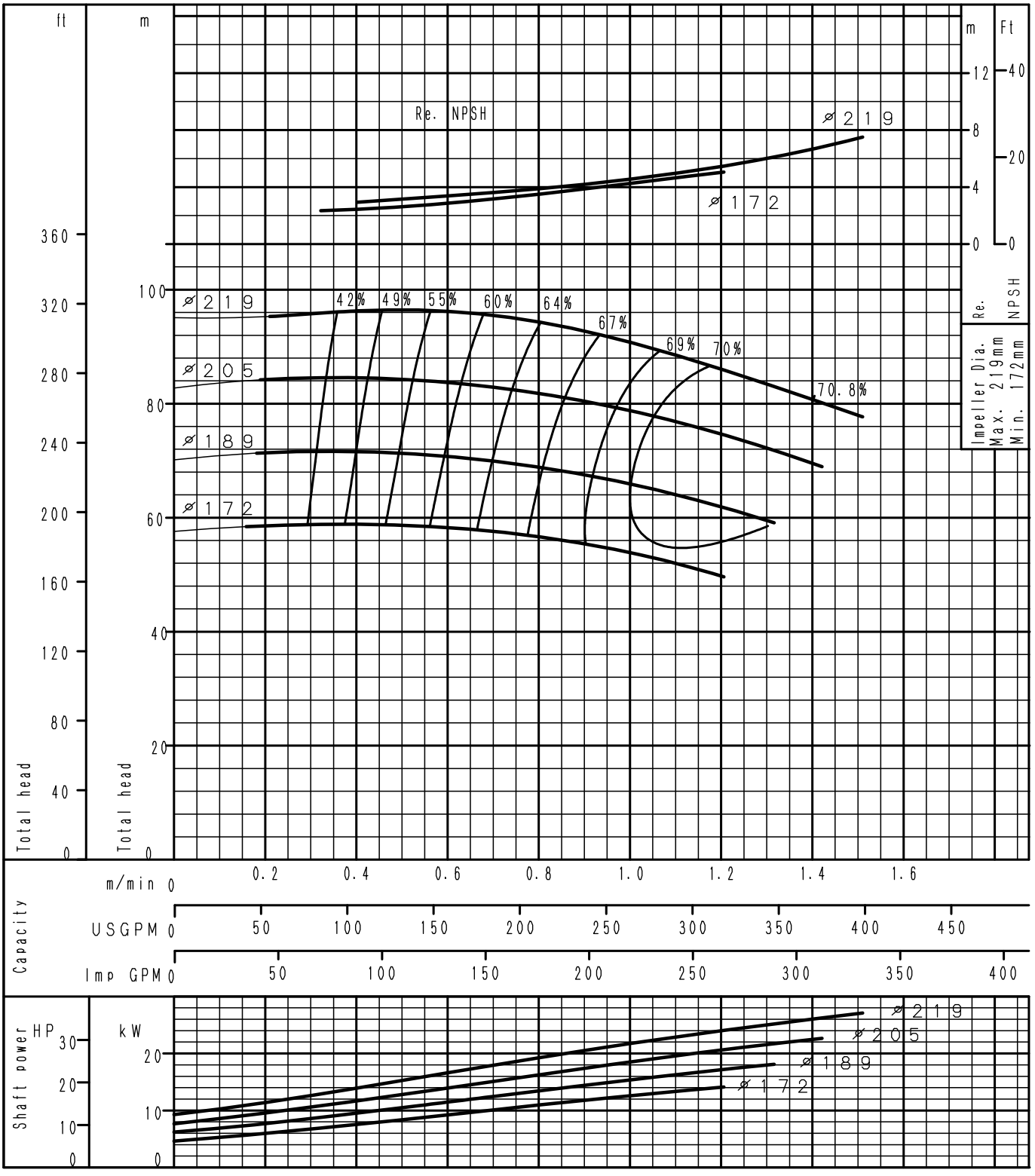
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630856-01

EBARA

EBARA CORPORATION

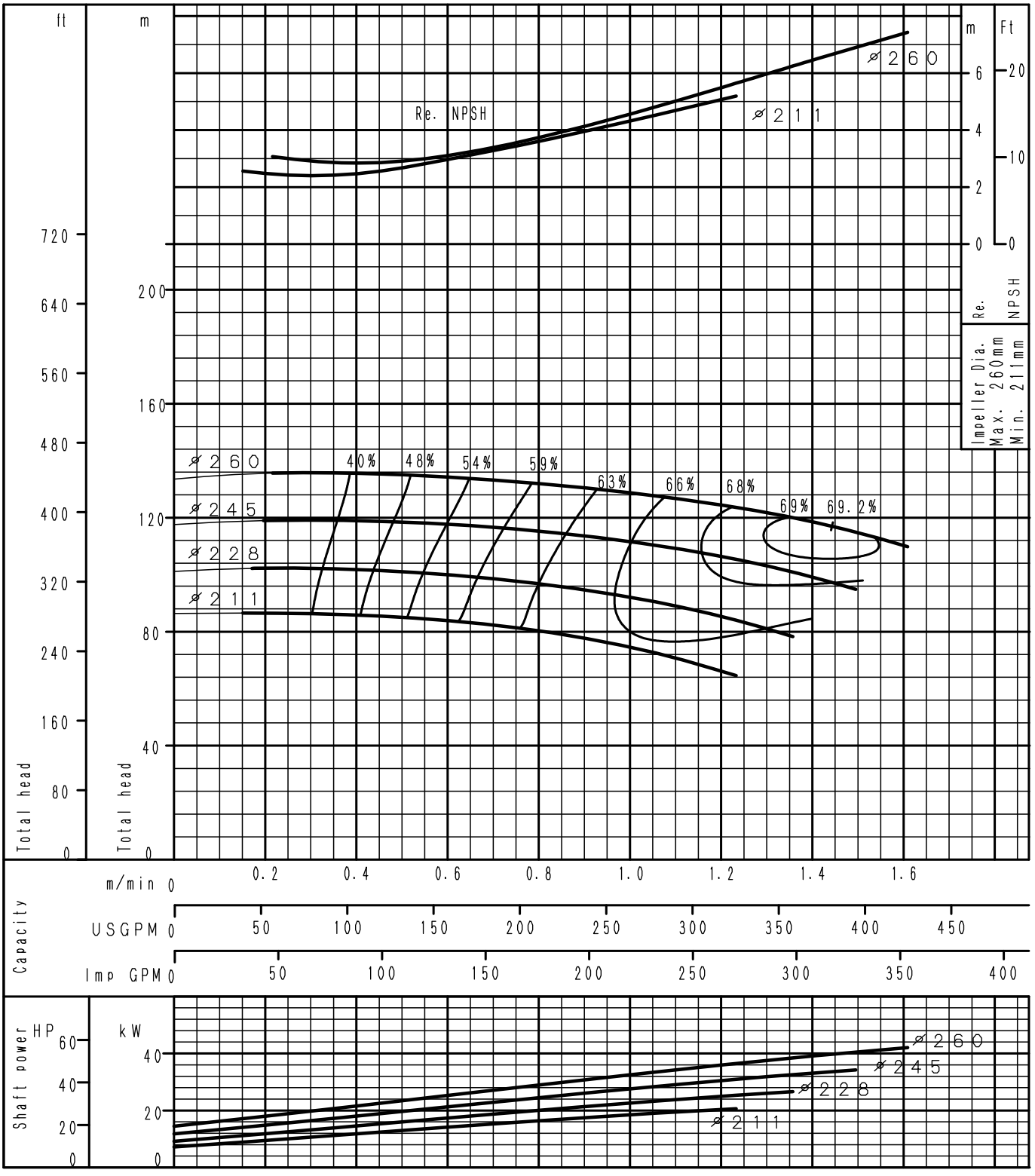
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS40-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630857-01

EBARA

EBARA CORPORATION

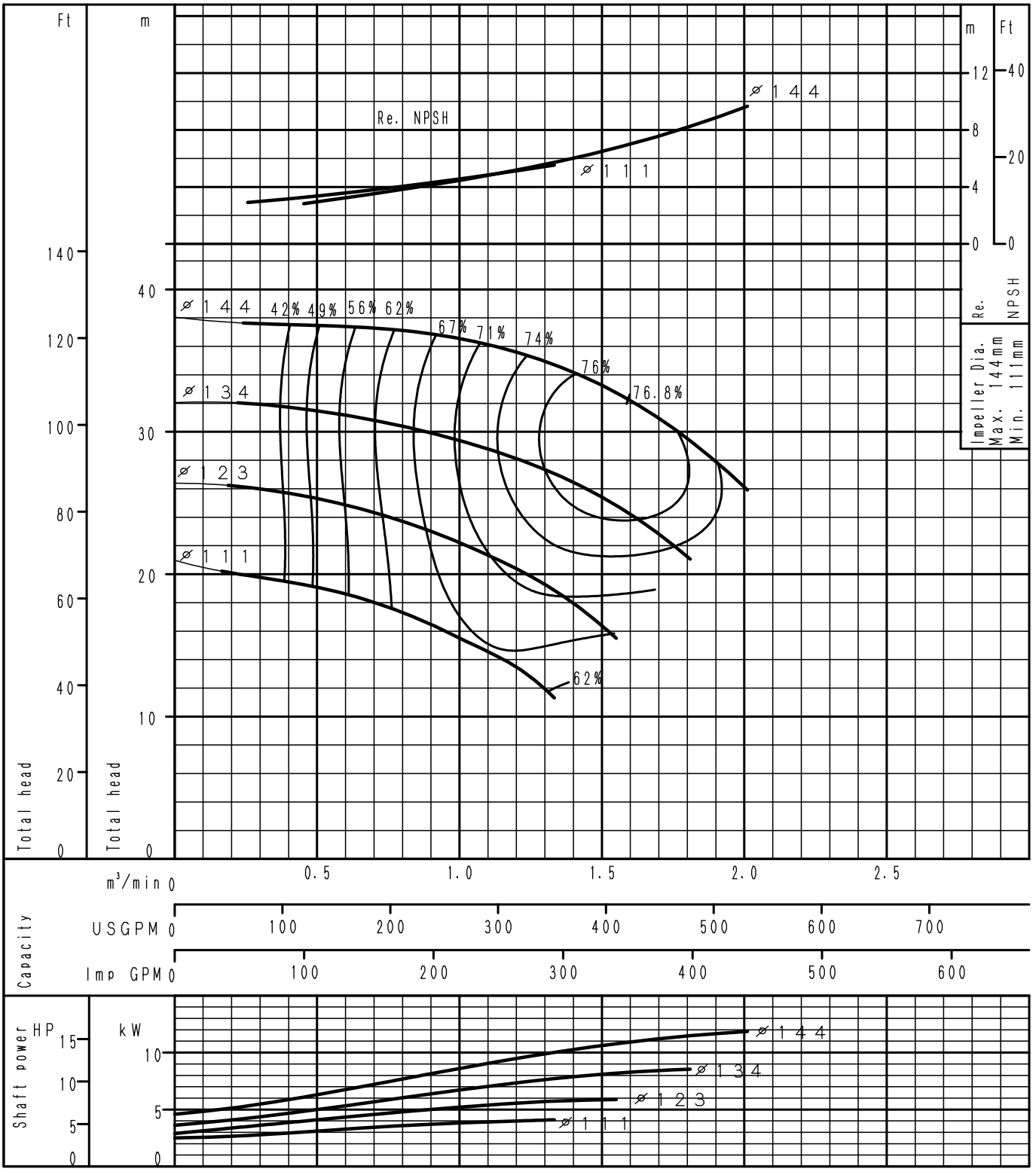
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630858-01

EBARA

EBARA CORPORATION

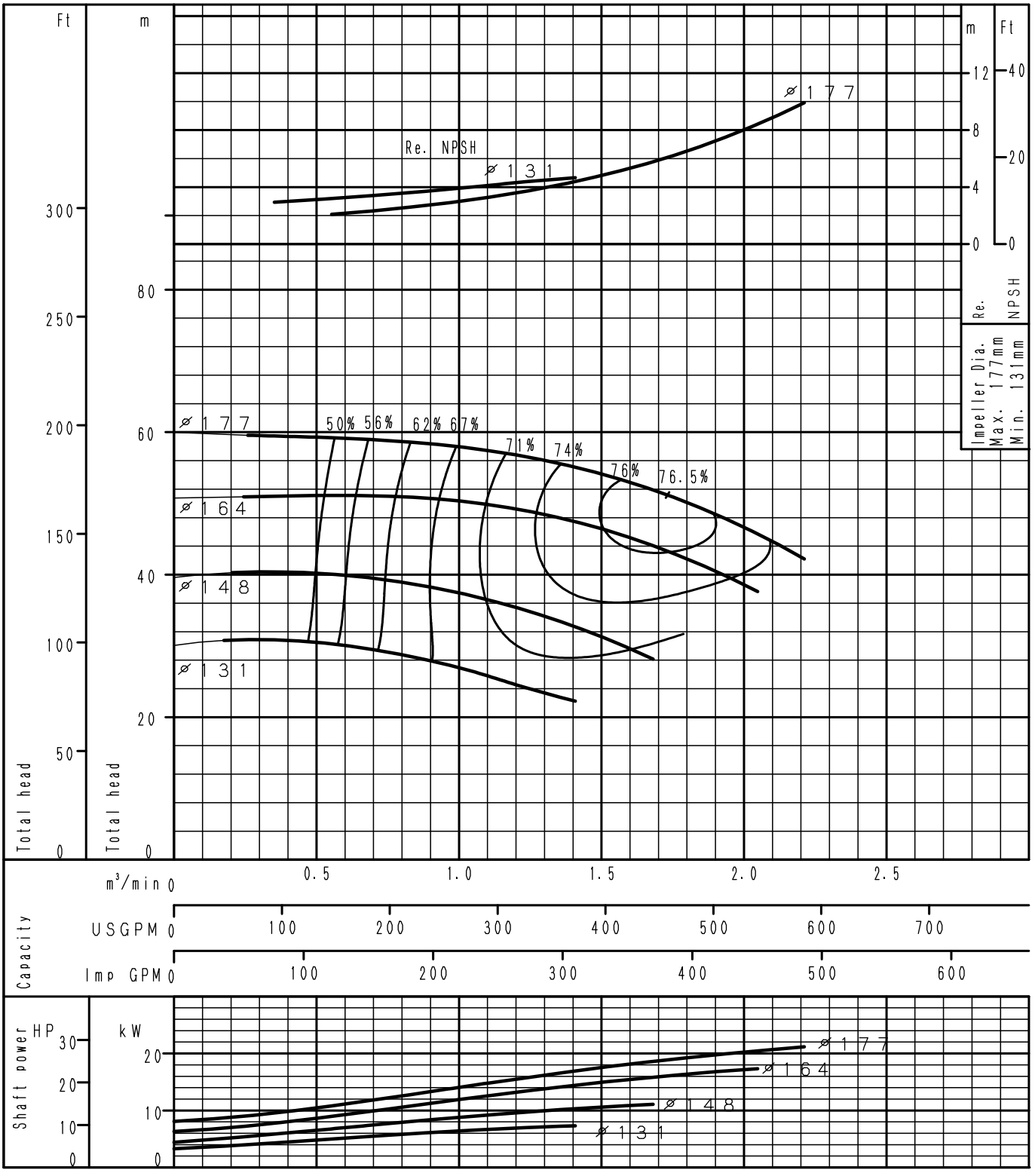
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630859-01

EBARA

EBARA CORPORATION

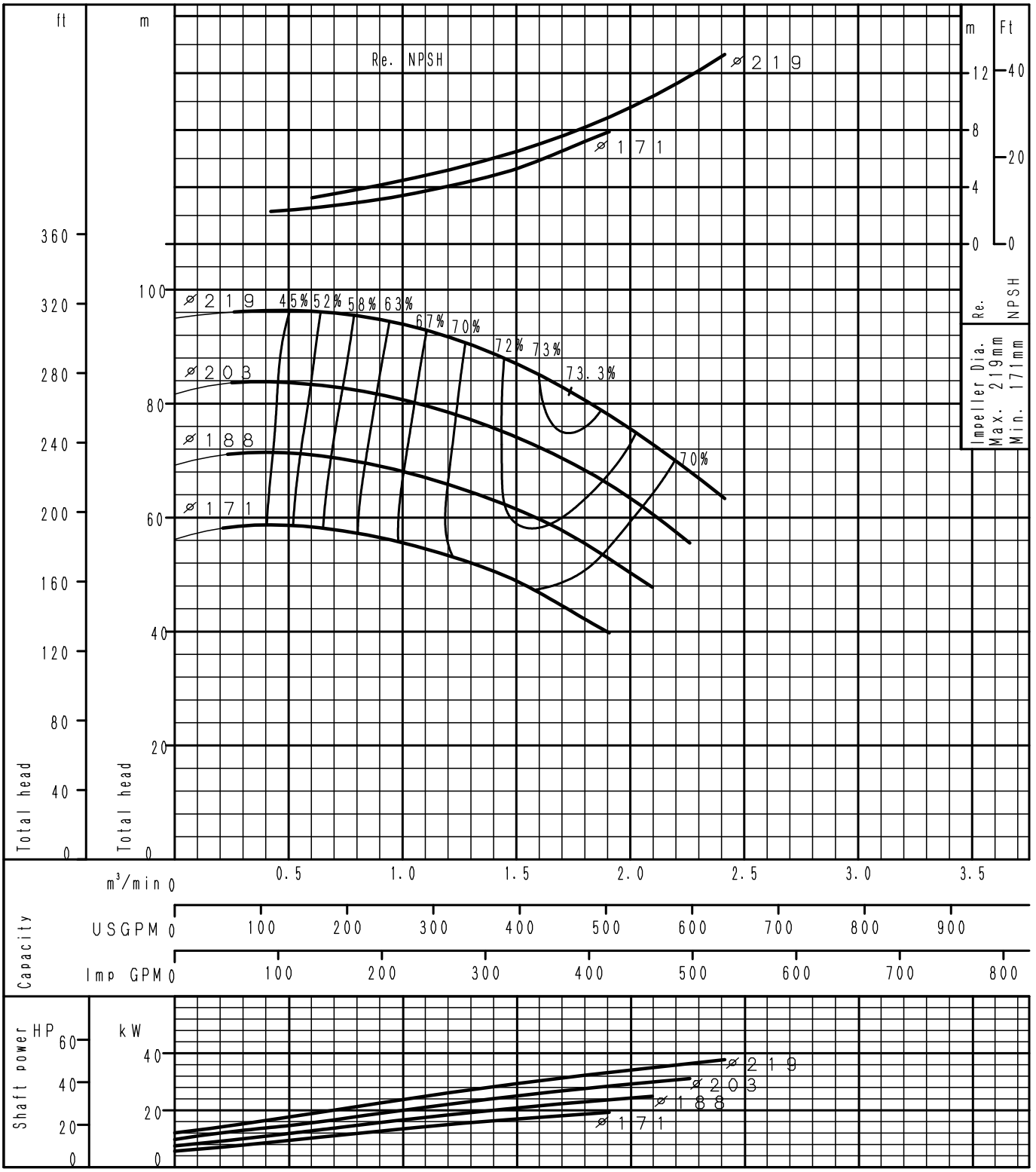
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630860-01

EBARA

EBARA CORPORATION

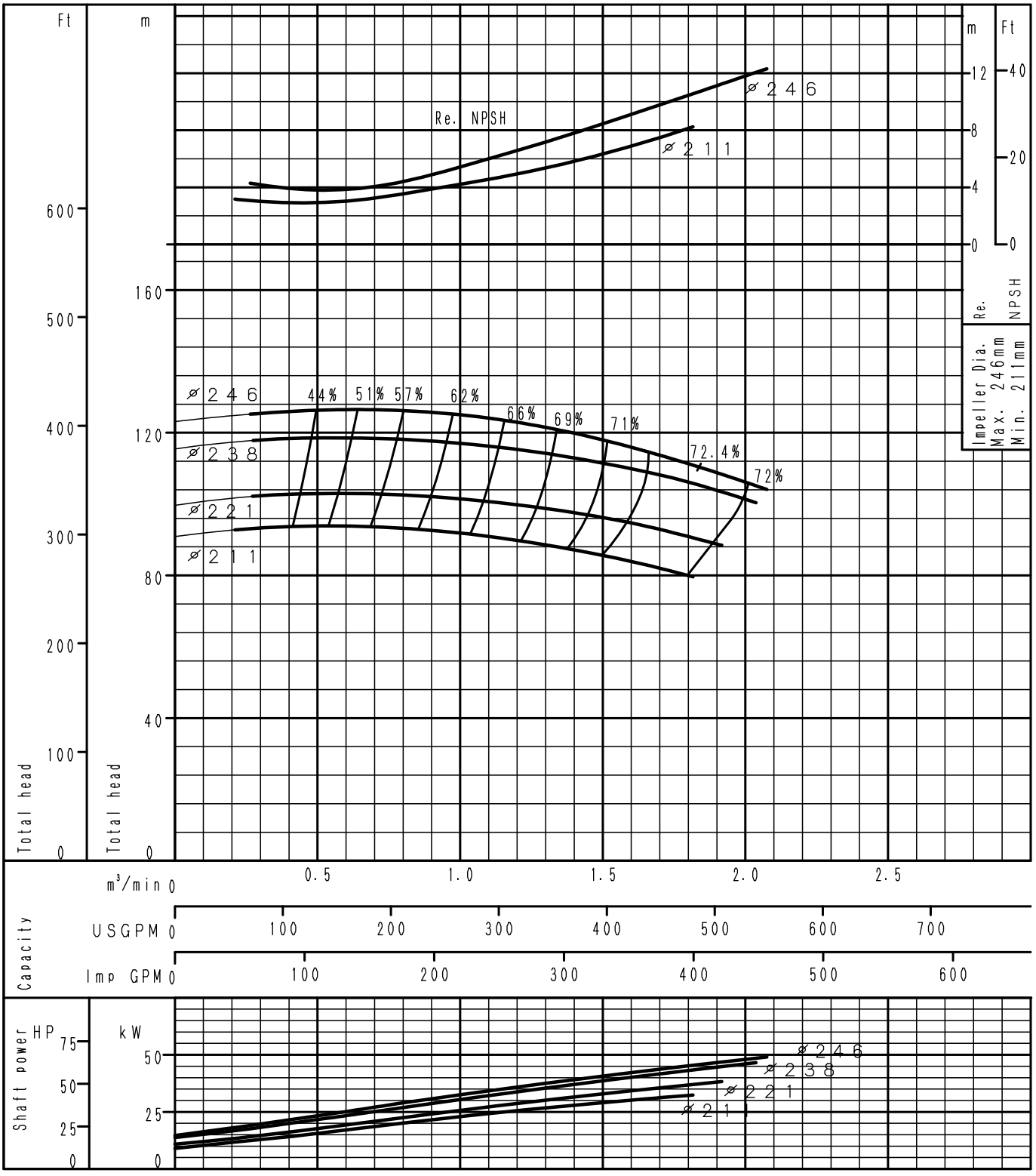
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS50-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630861-01

EBARA

EBARA CORPORATION

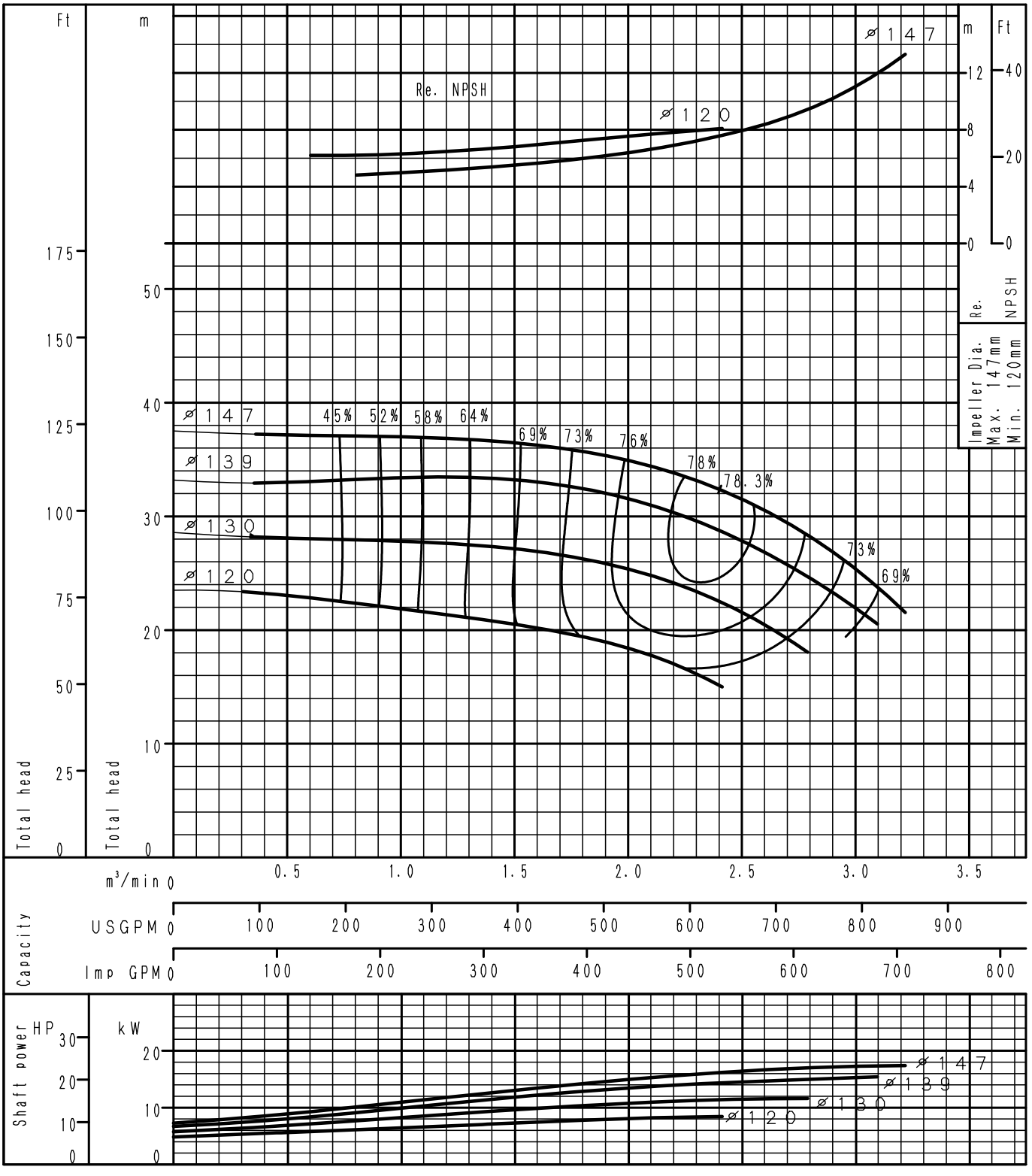
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630862-01

EBARA

EBARA CORPORATION

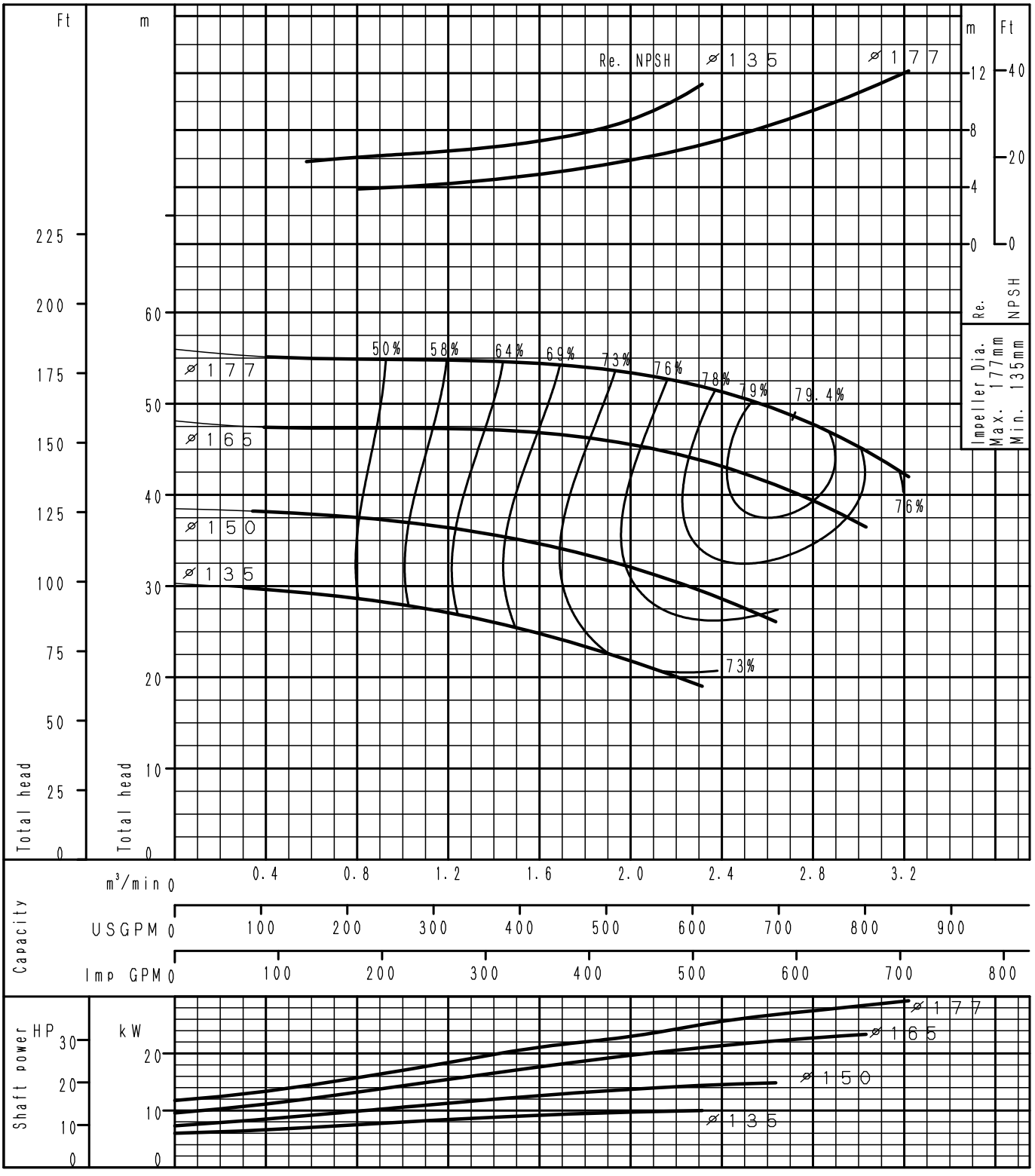
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630863-01

EBARA

EBARA CORPORATION

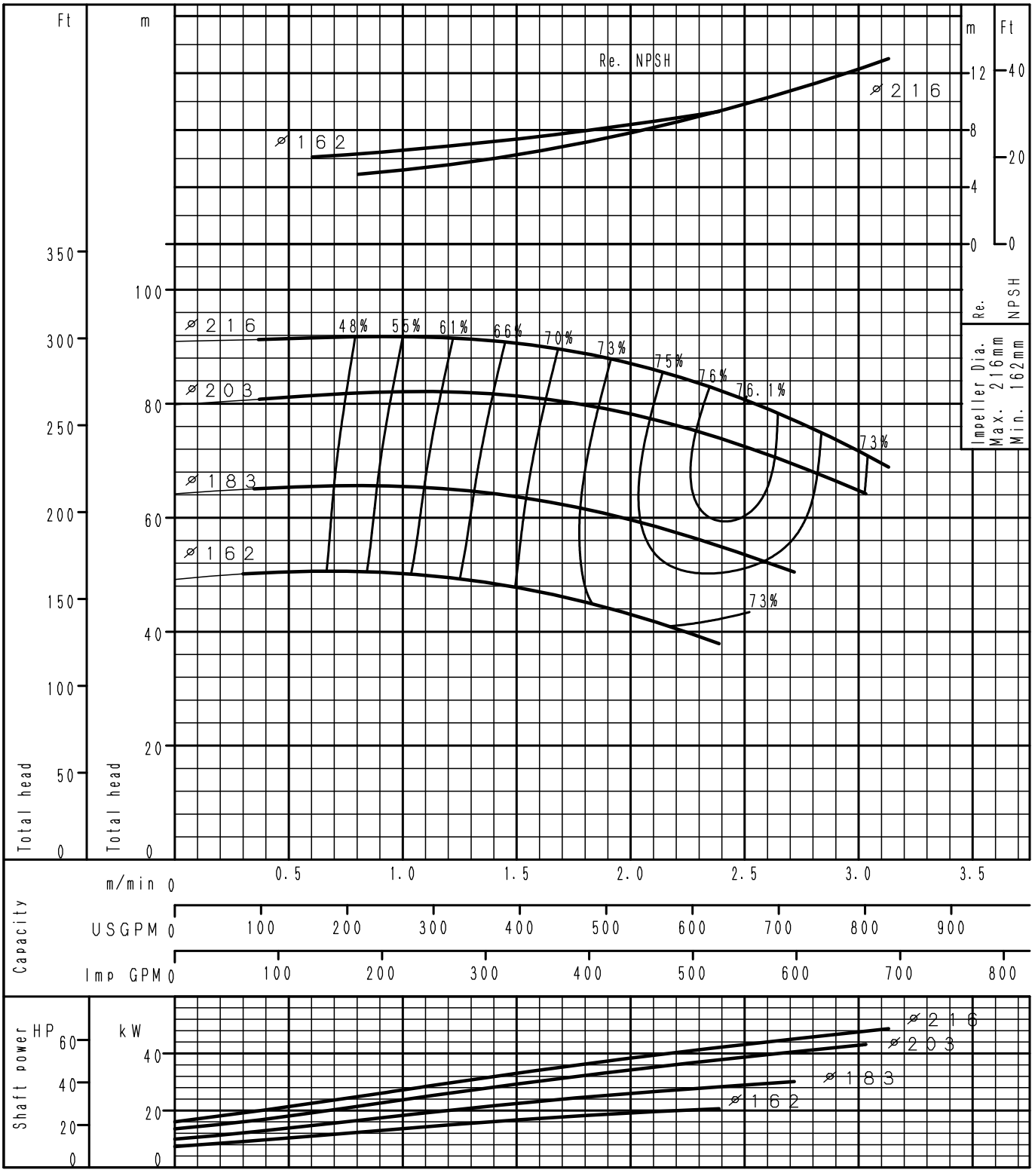
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630864-01

EBARA

EBARA CORPORATION

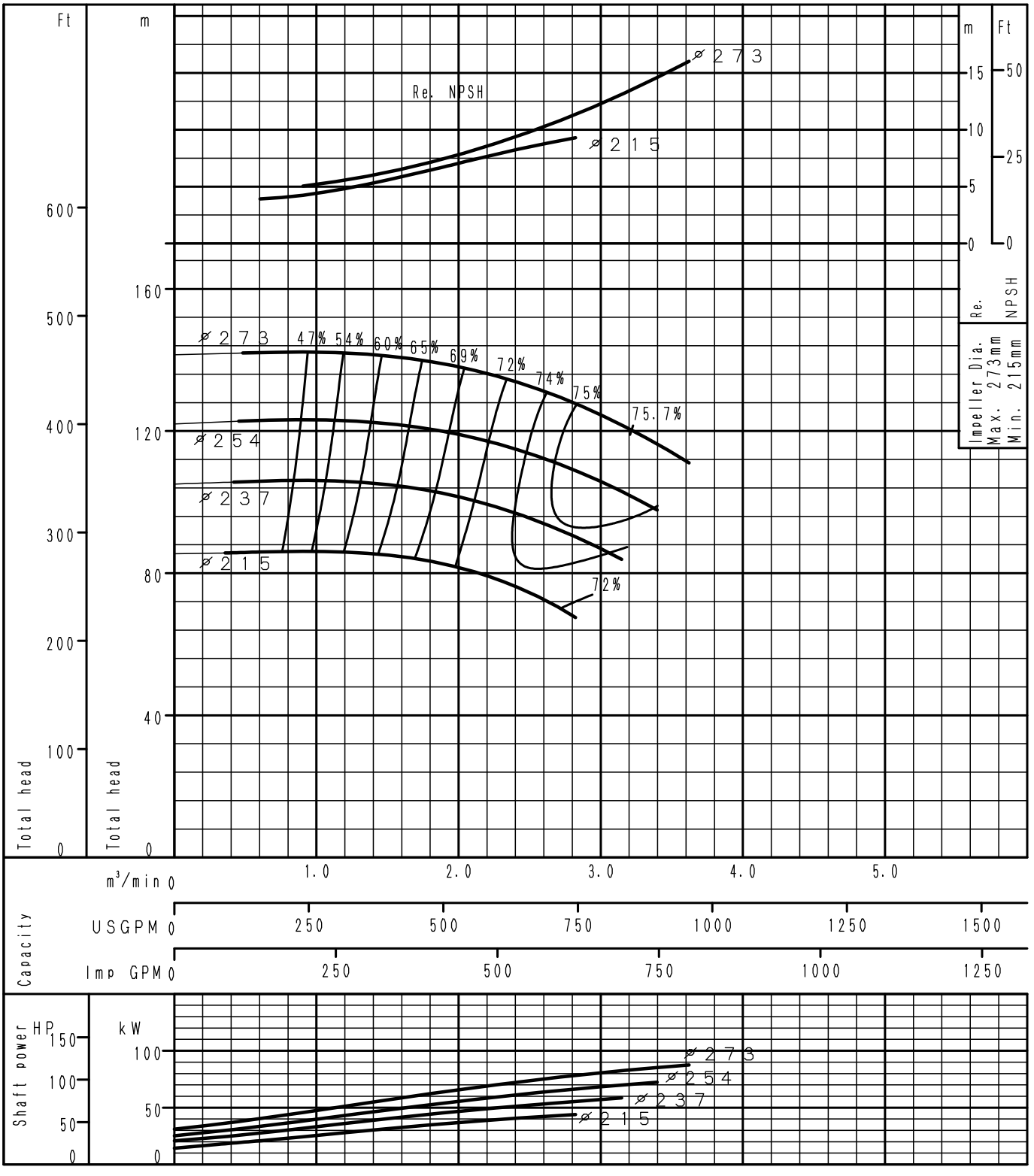
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS65-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630865-01

EBARA

EBARA CORPORATION

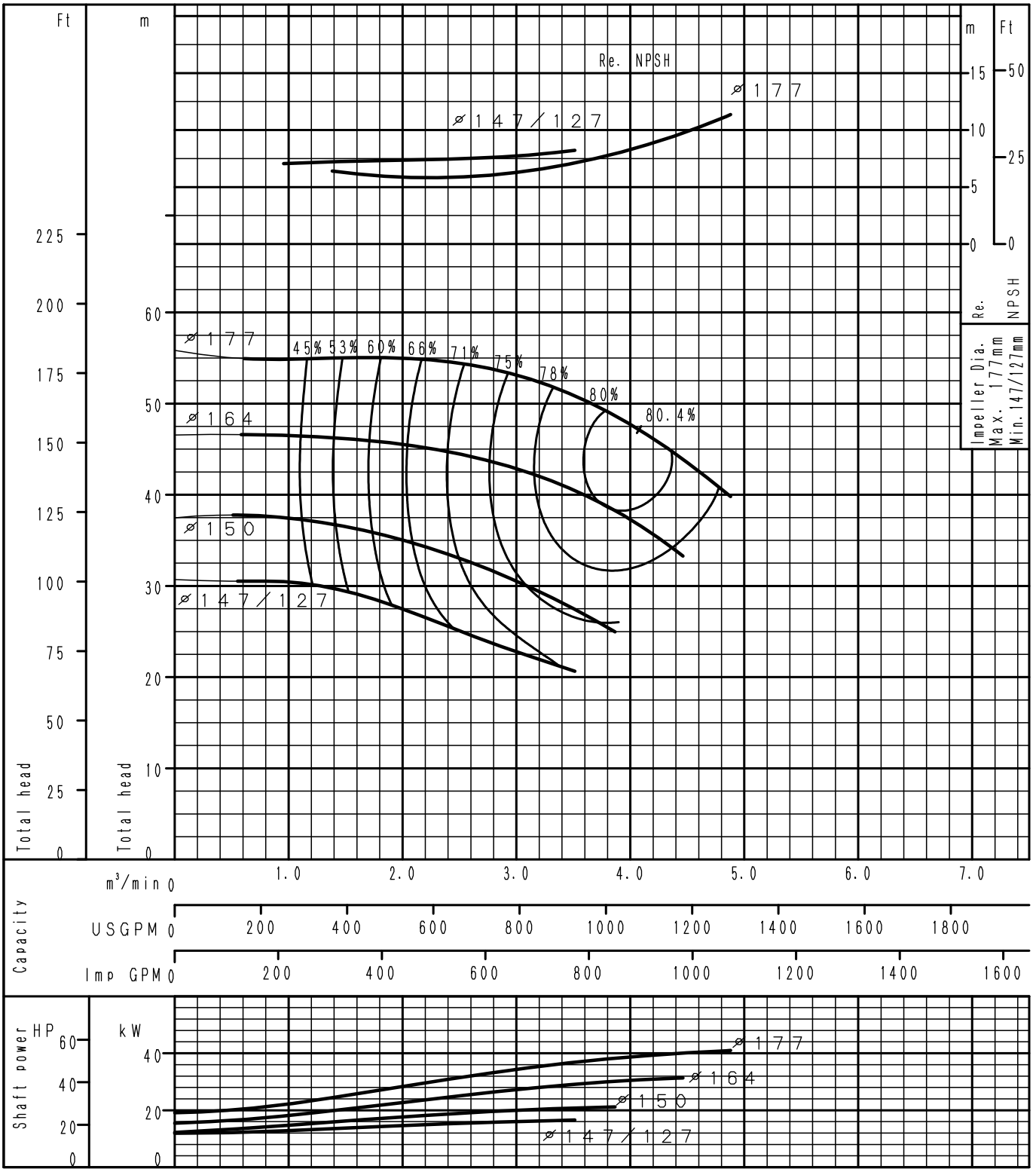
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS80-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630866-01

EBARA

EBARA CORPORATION

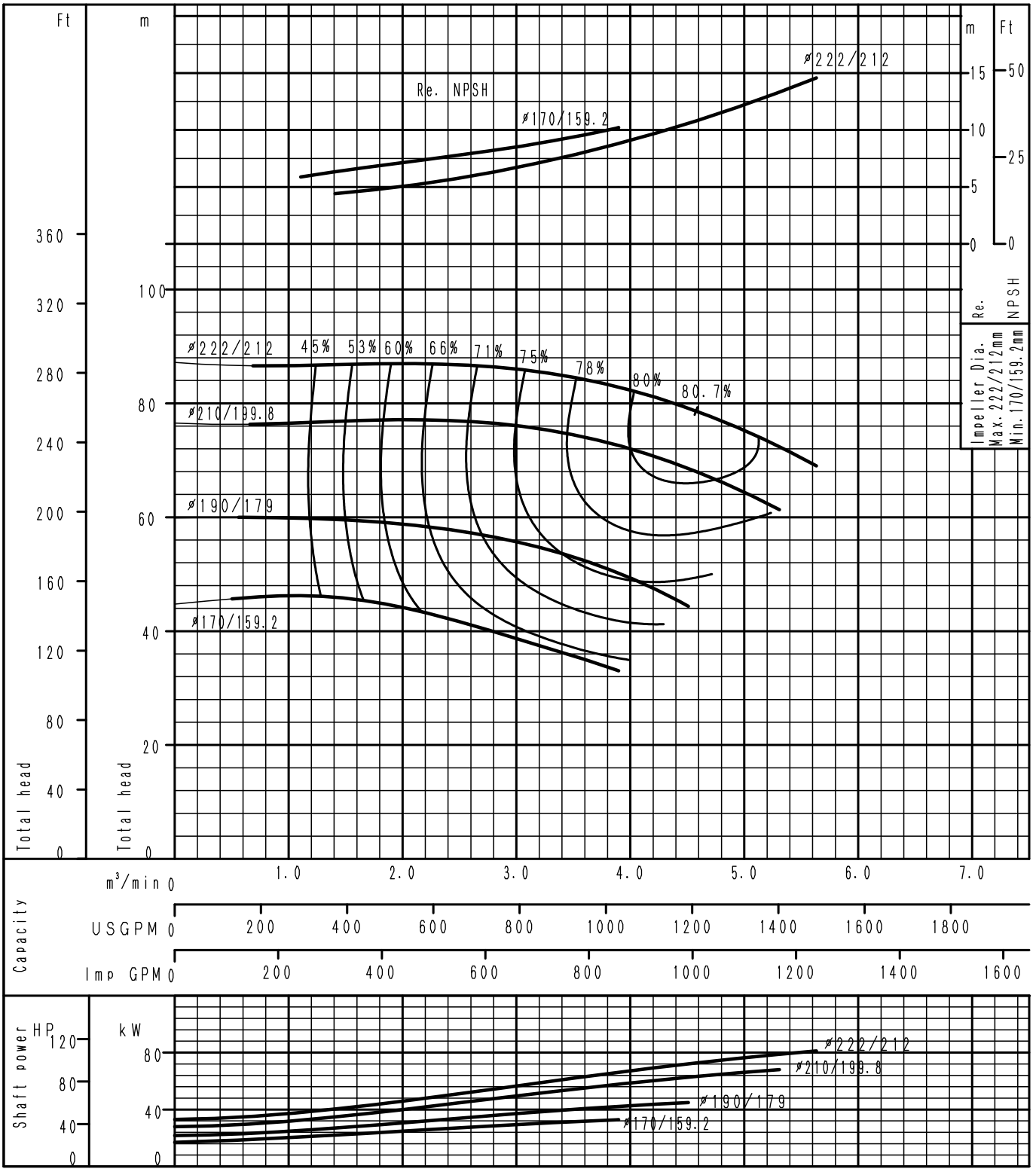
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS80-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630867-01

EBARA

EBARA CORPORATION

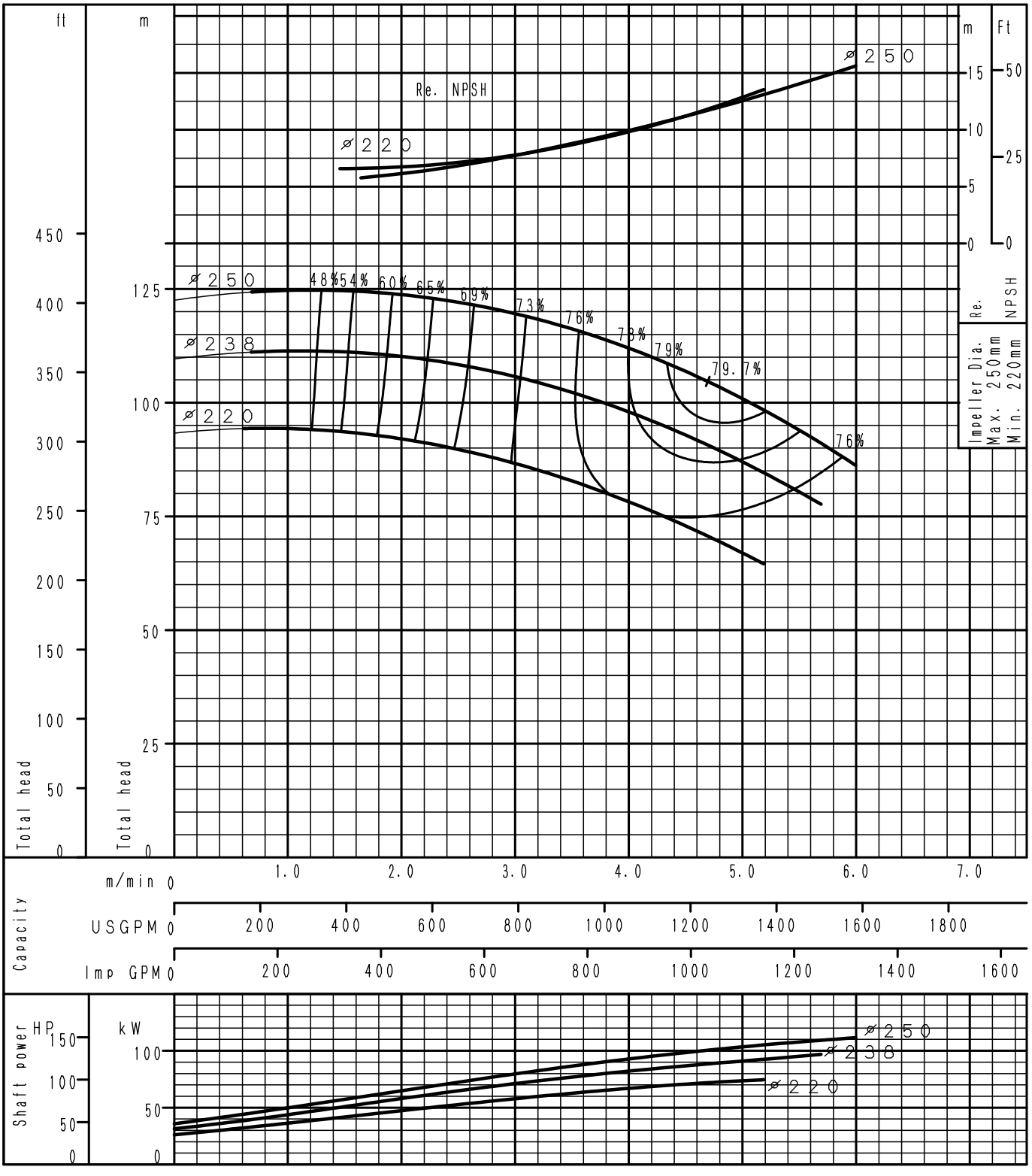
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS80-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630868-01

EBARA

EBARA CORPORATION

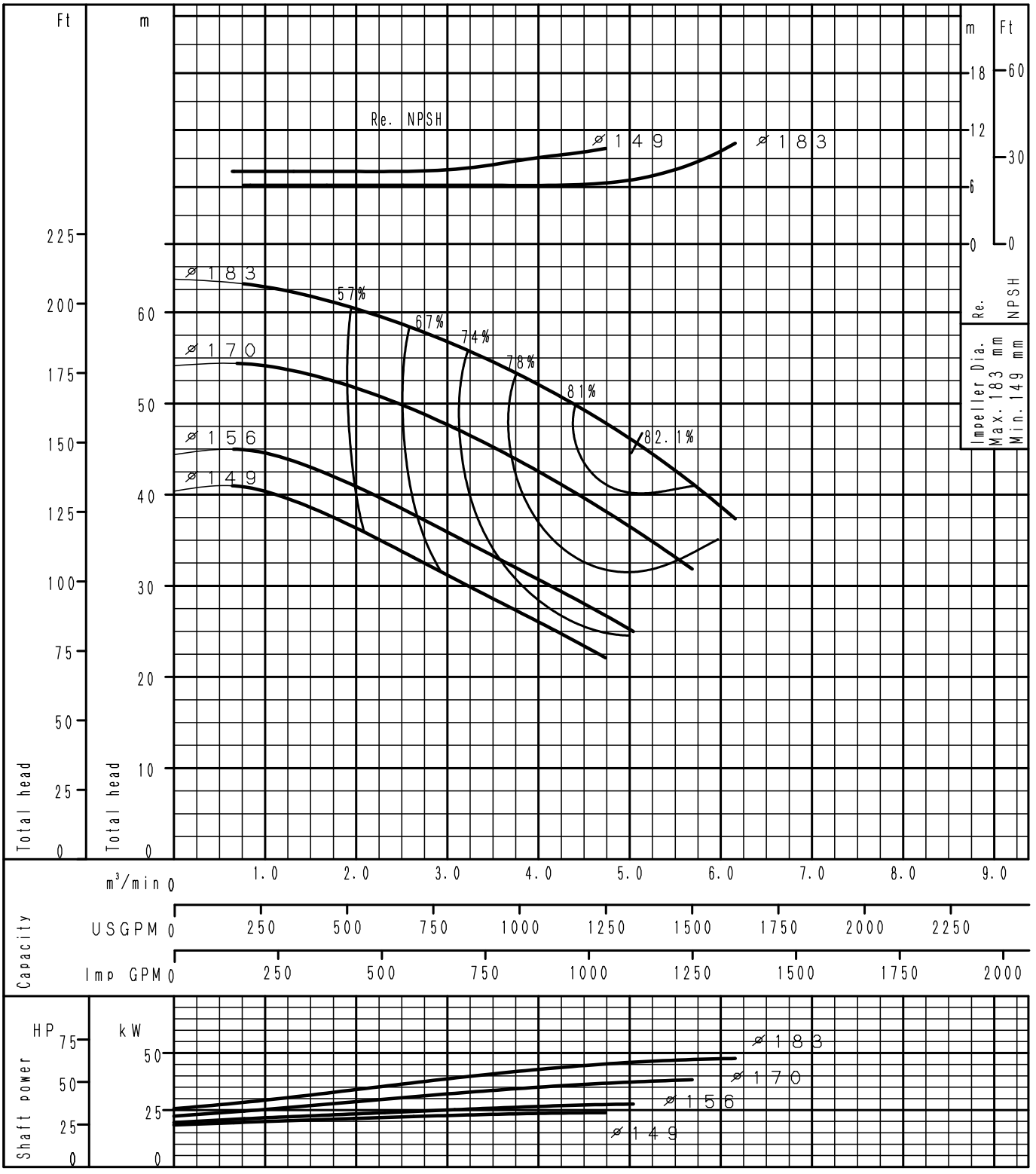
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS100-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731657-00

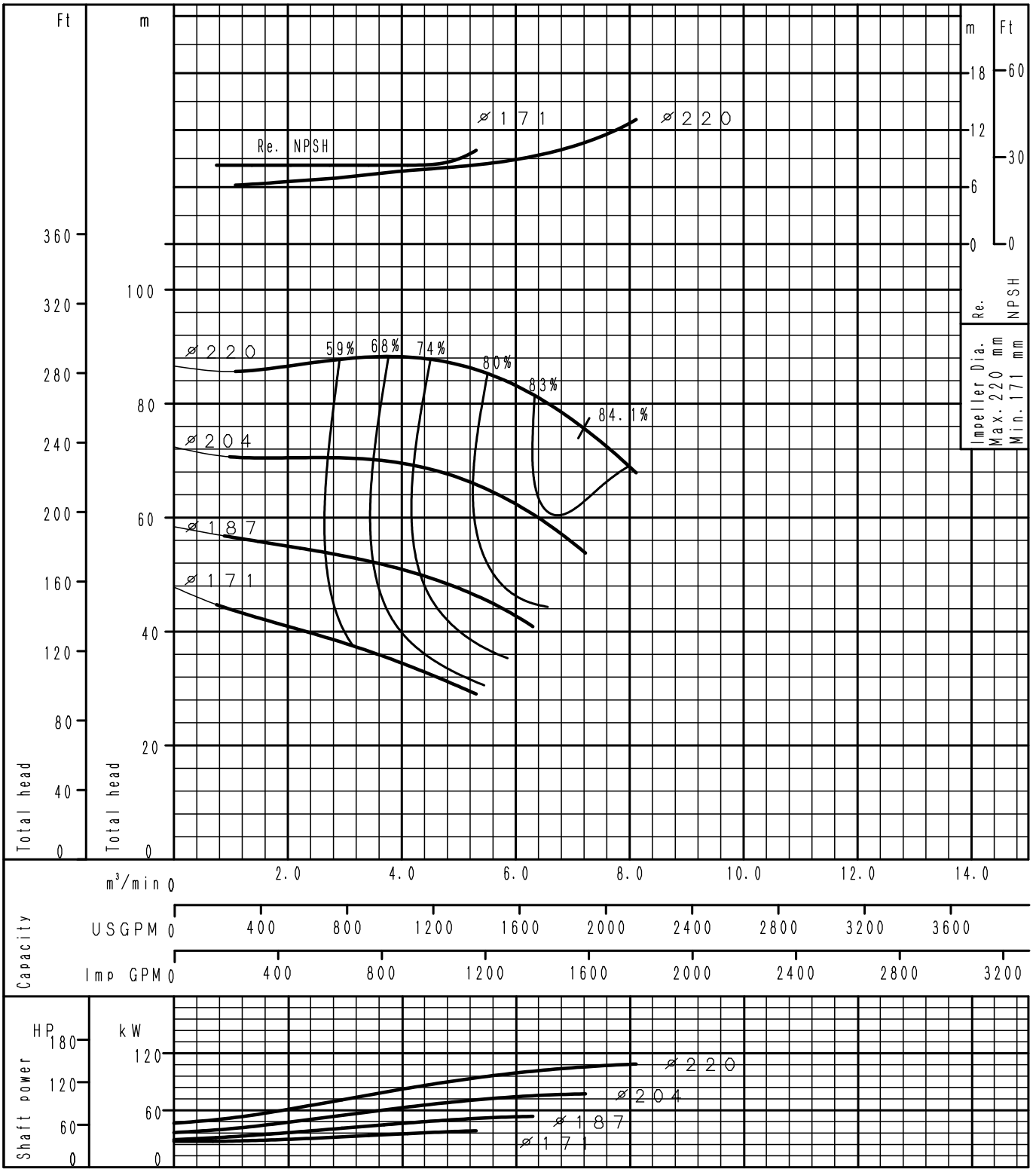
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS100-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1731658-00

EBARA

EBARA CORPORATION

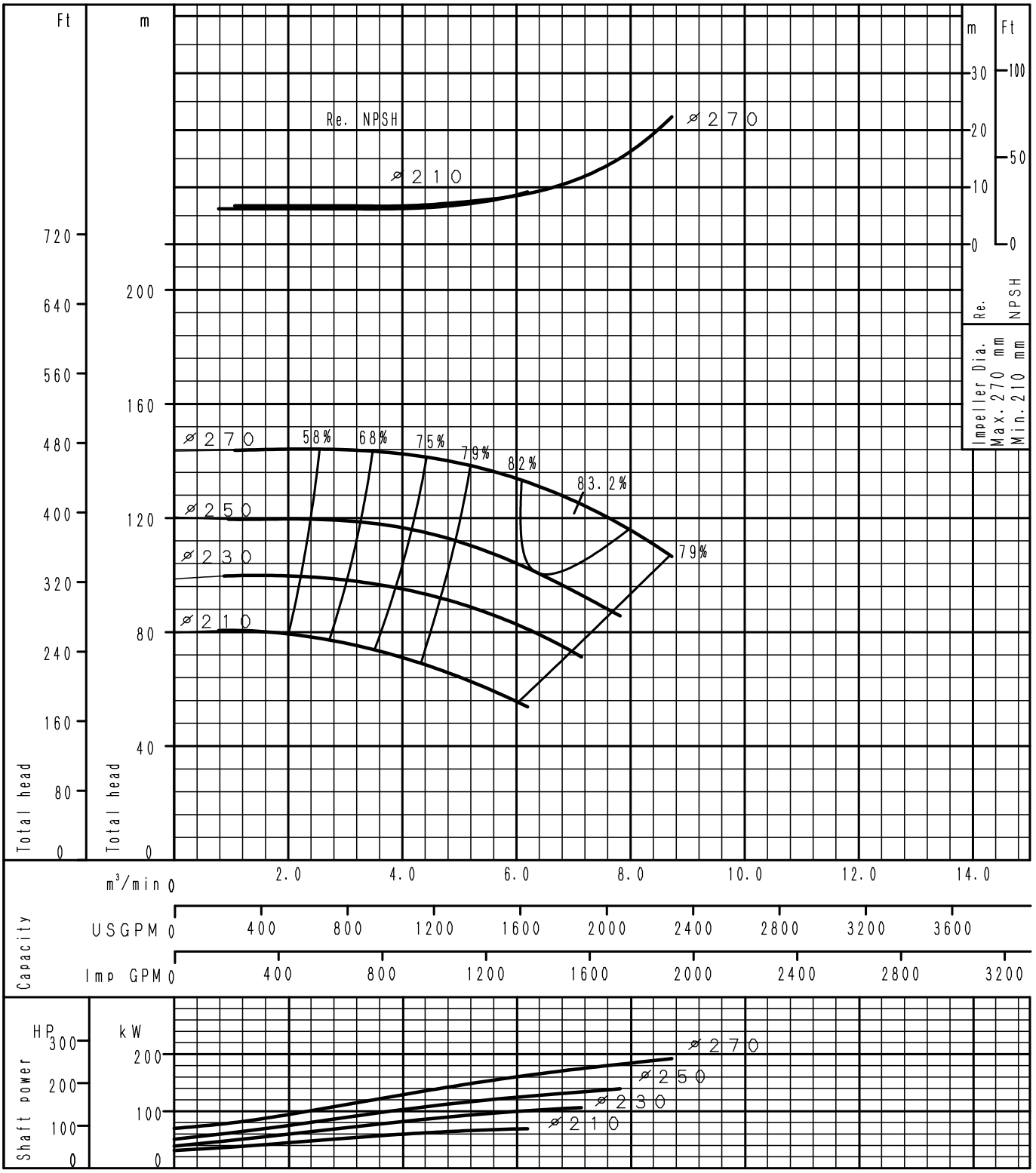
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS100-250L	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731659-00

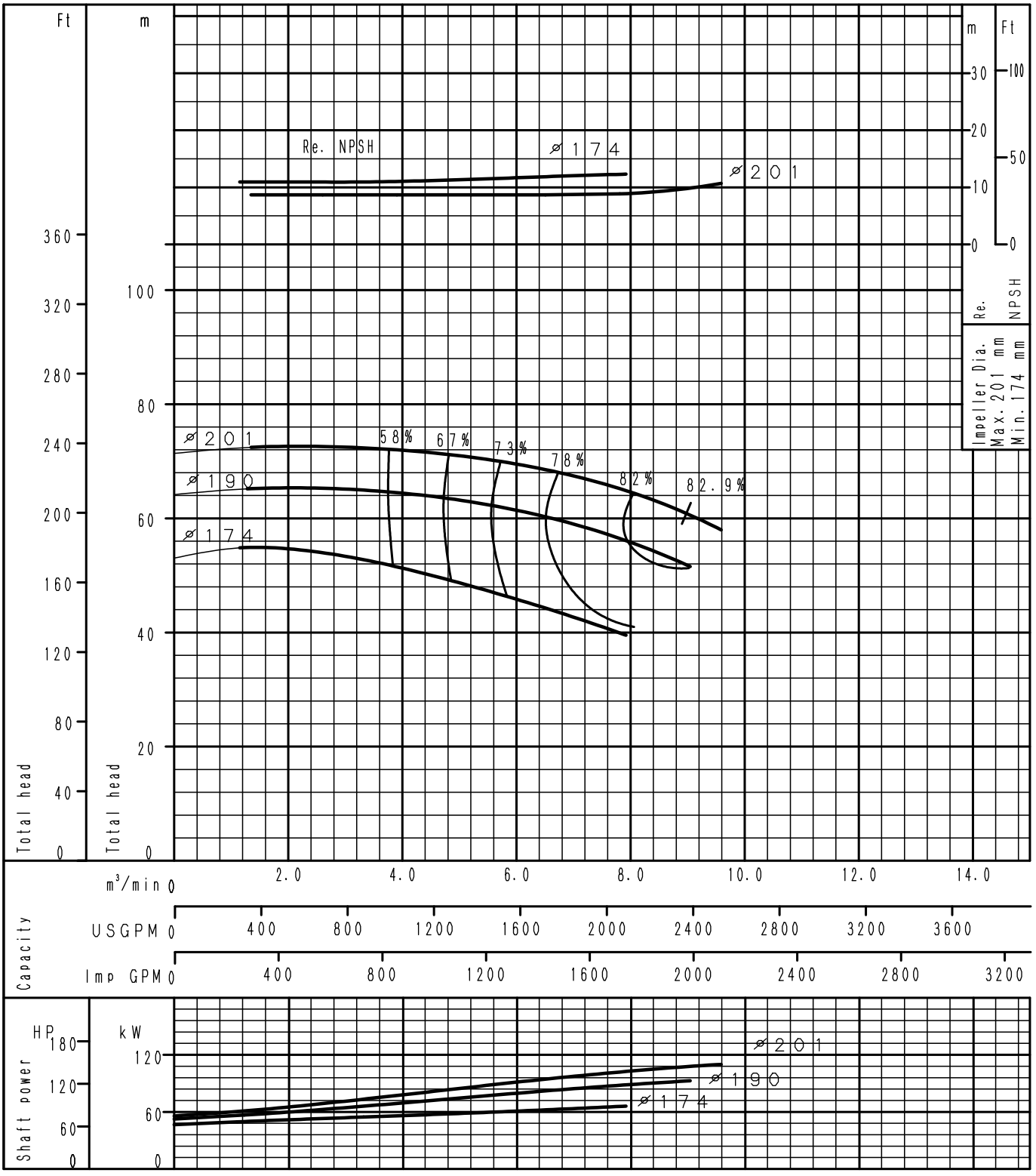
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS125-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731660-00

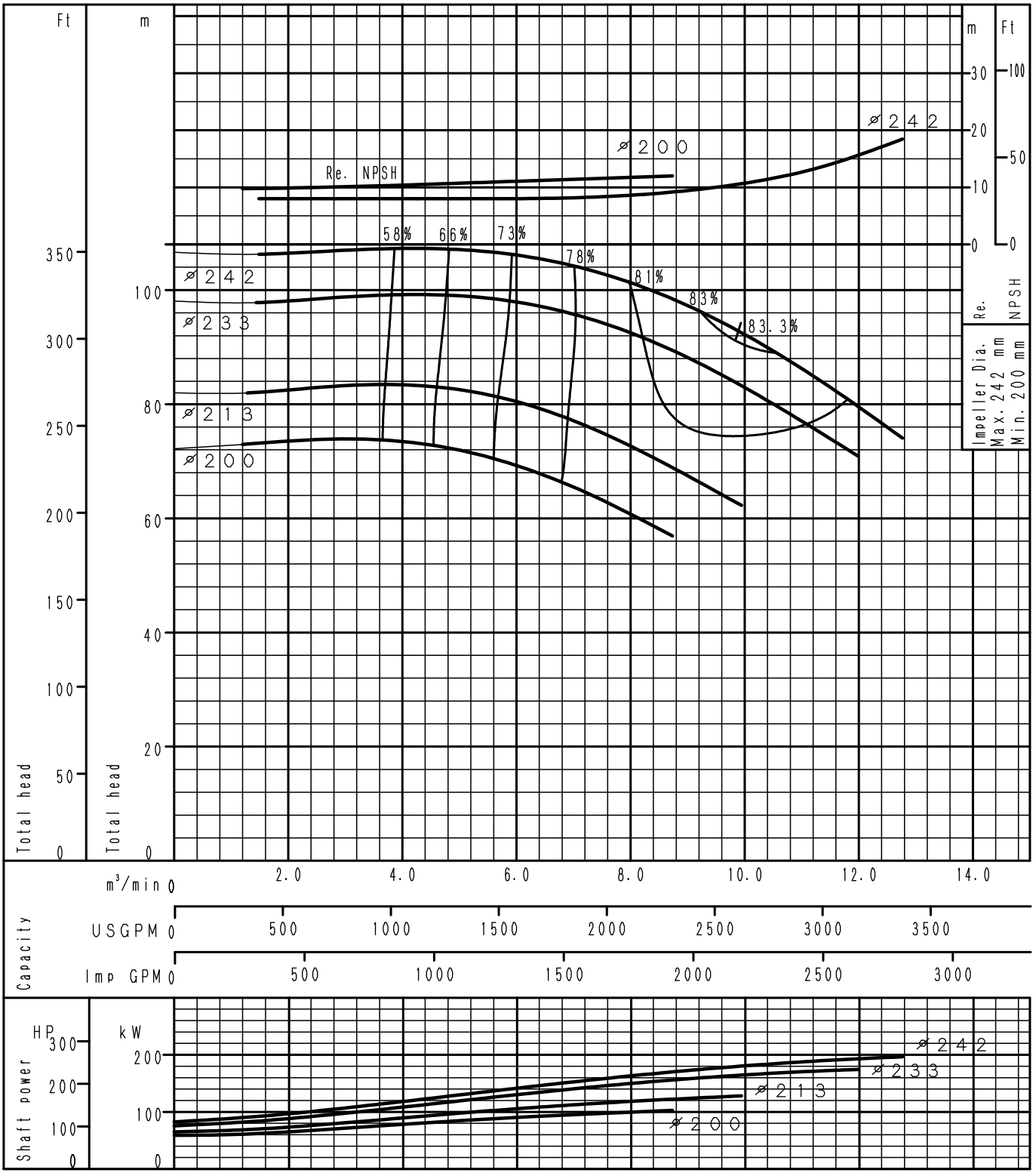
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS125-250L	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731661-00

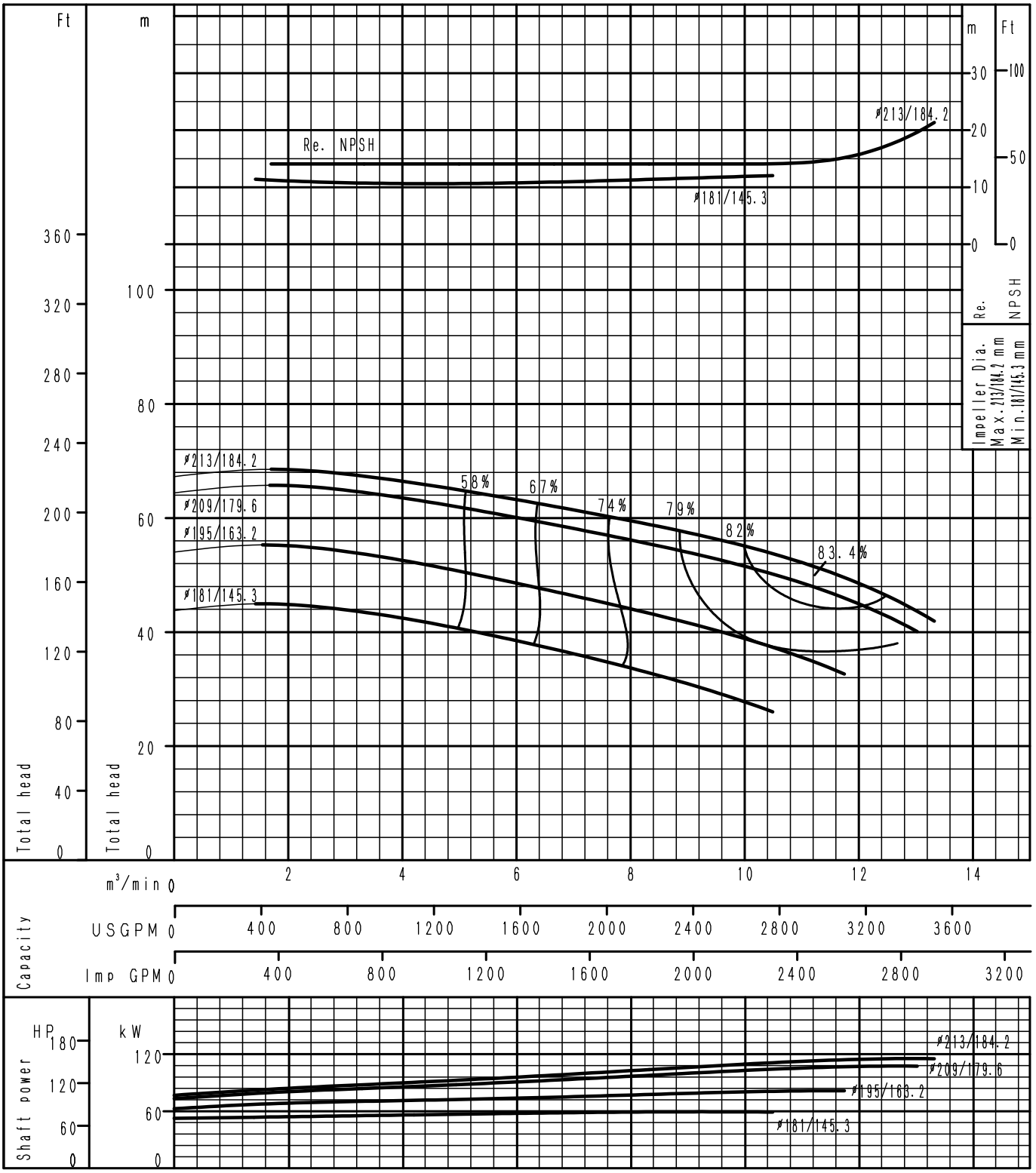
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

2 Poles

GSS150-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 3500 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731662-00

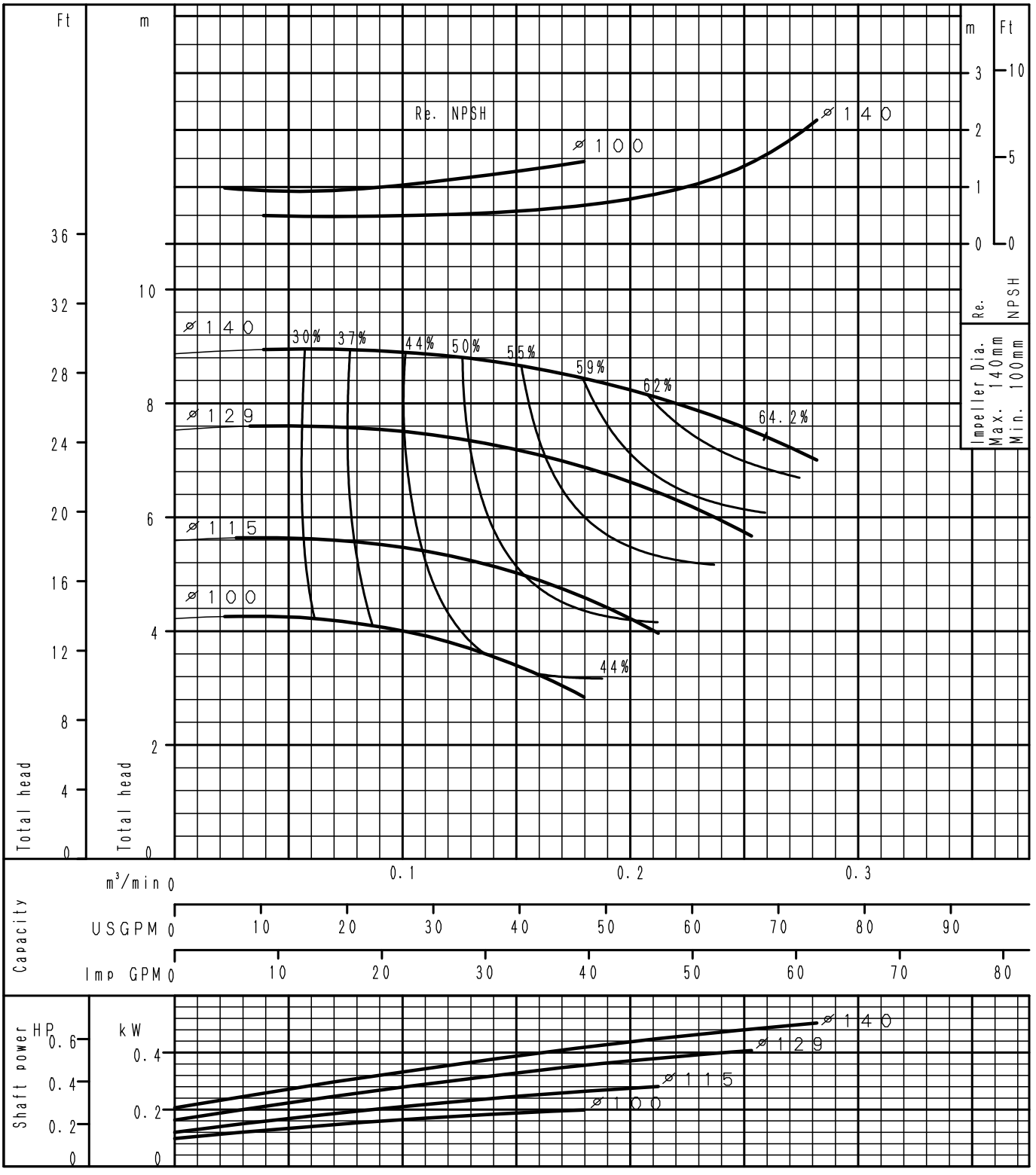
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-125.1	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630869-01

EBARA

EBARA CORPORATION

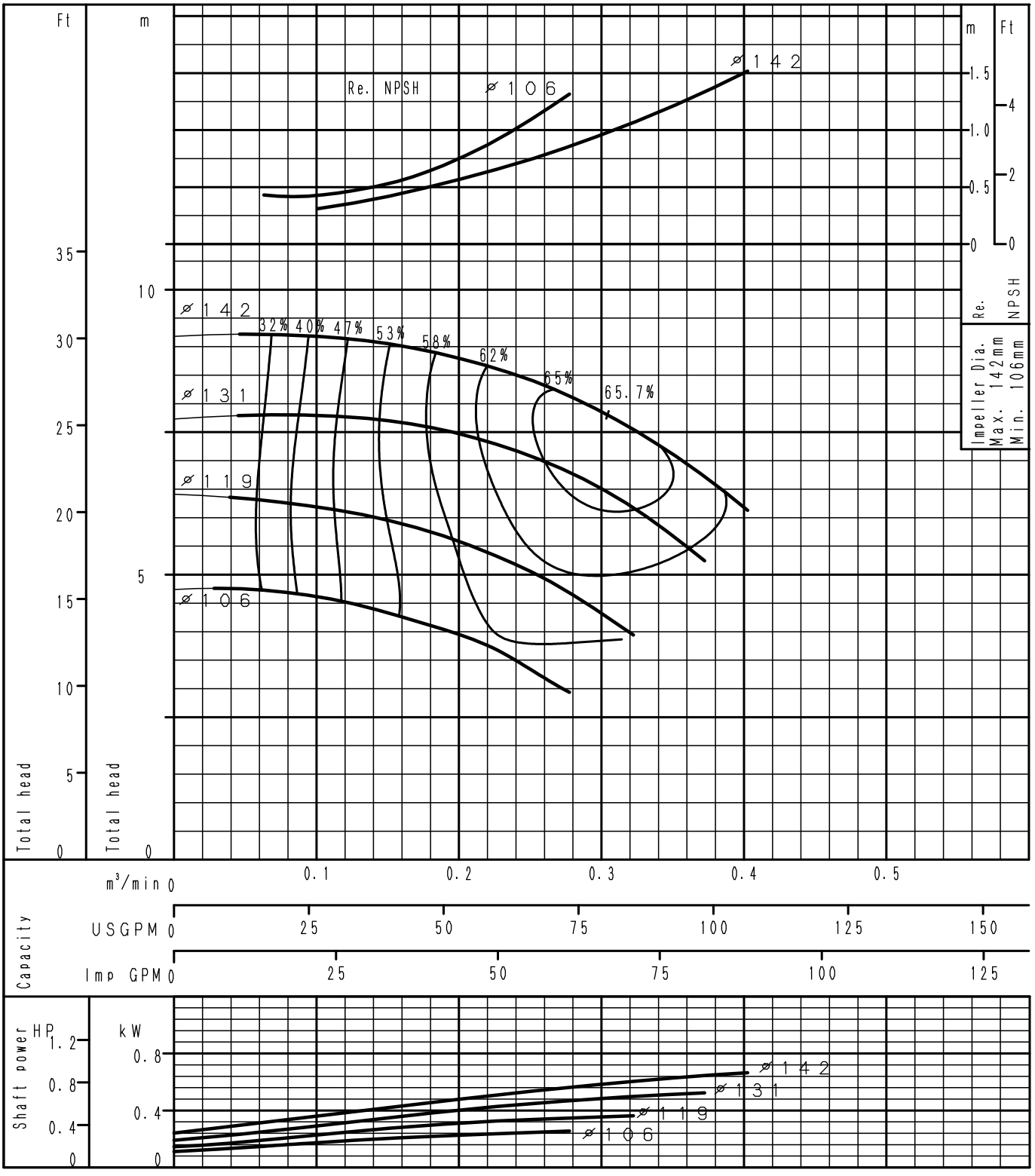
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630870-01

EBARA

EBARA CORPORATION

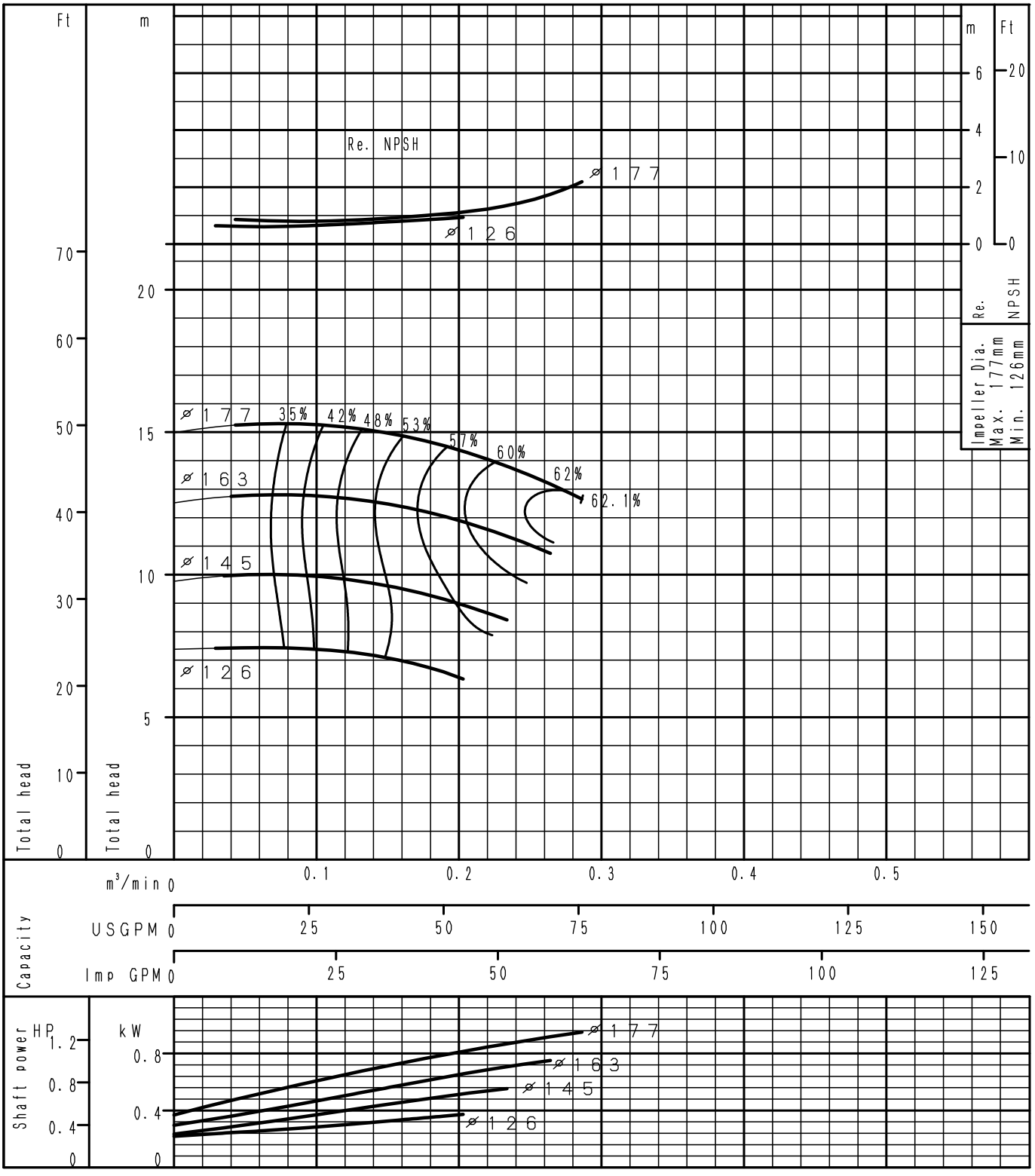
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-160.1	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630871-01

EBARA

EBARA CORPORATION

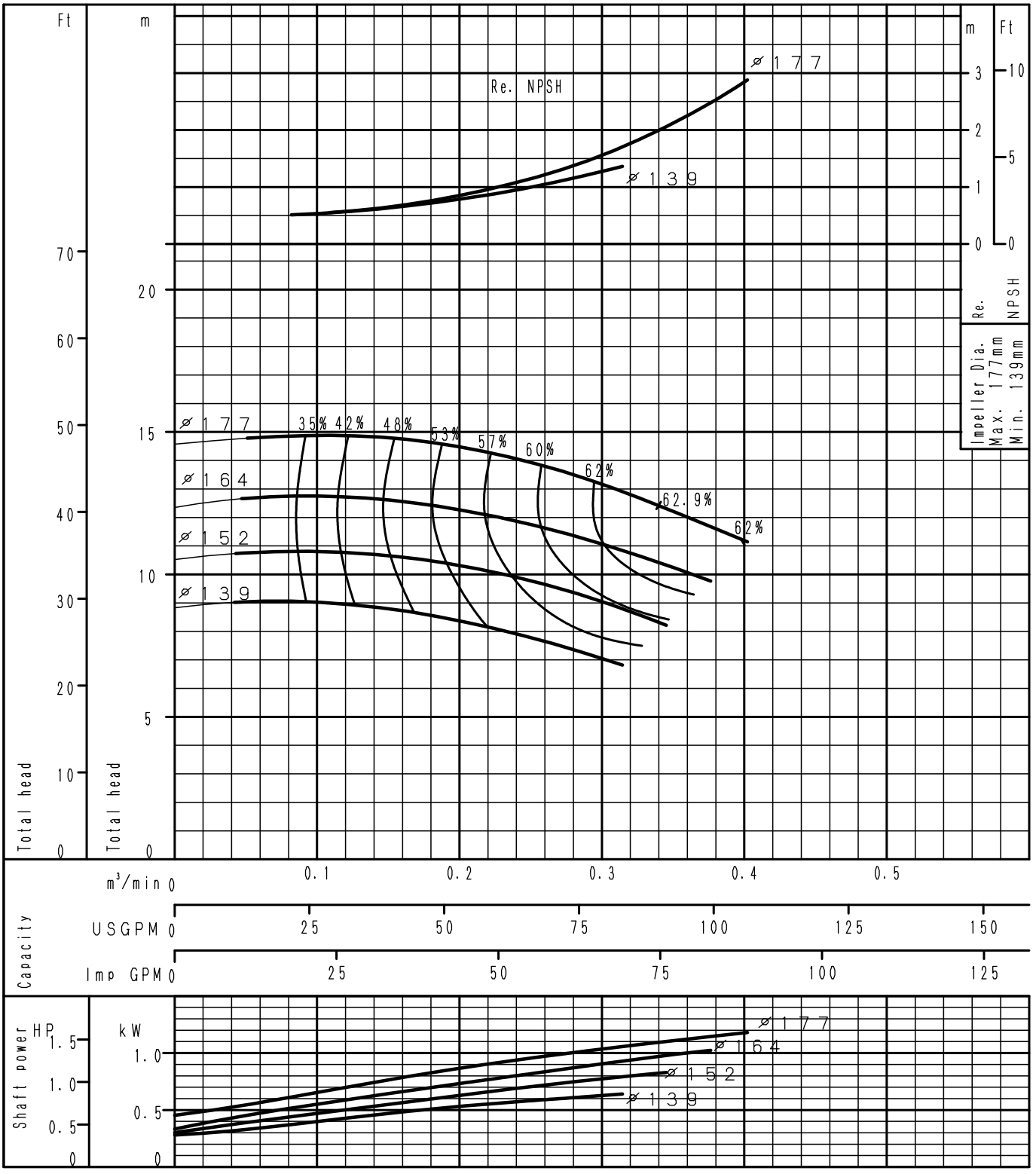
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630872-01

EBARA

EBARA CORPORATION

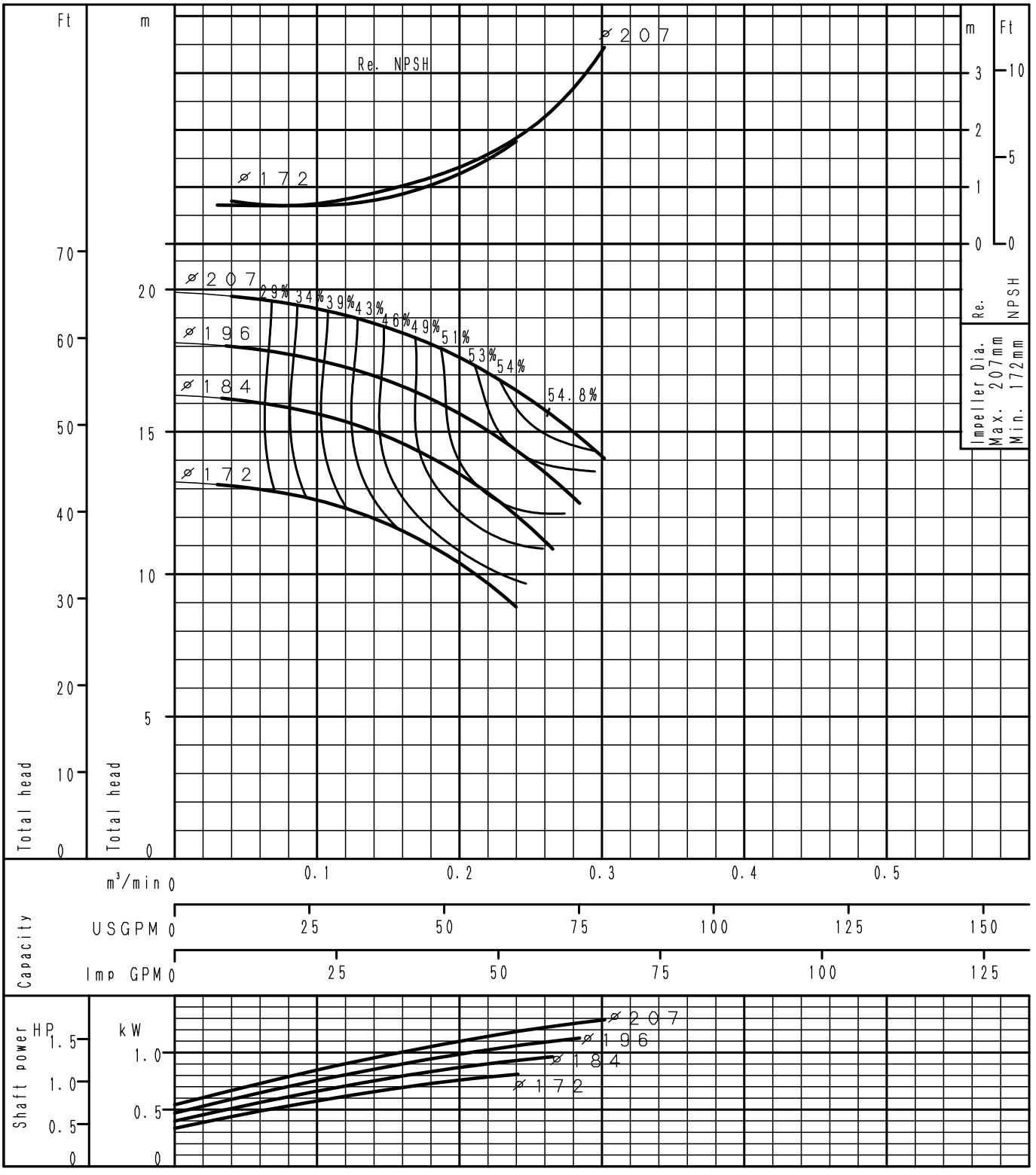
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-200.1	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630873-01

EBARA

EBARA CORPORATION

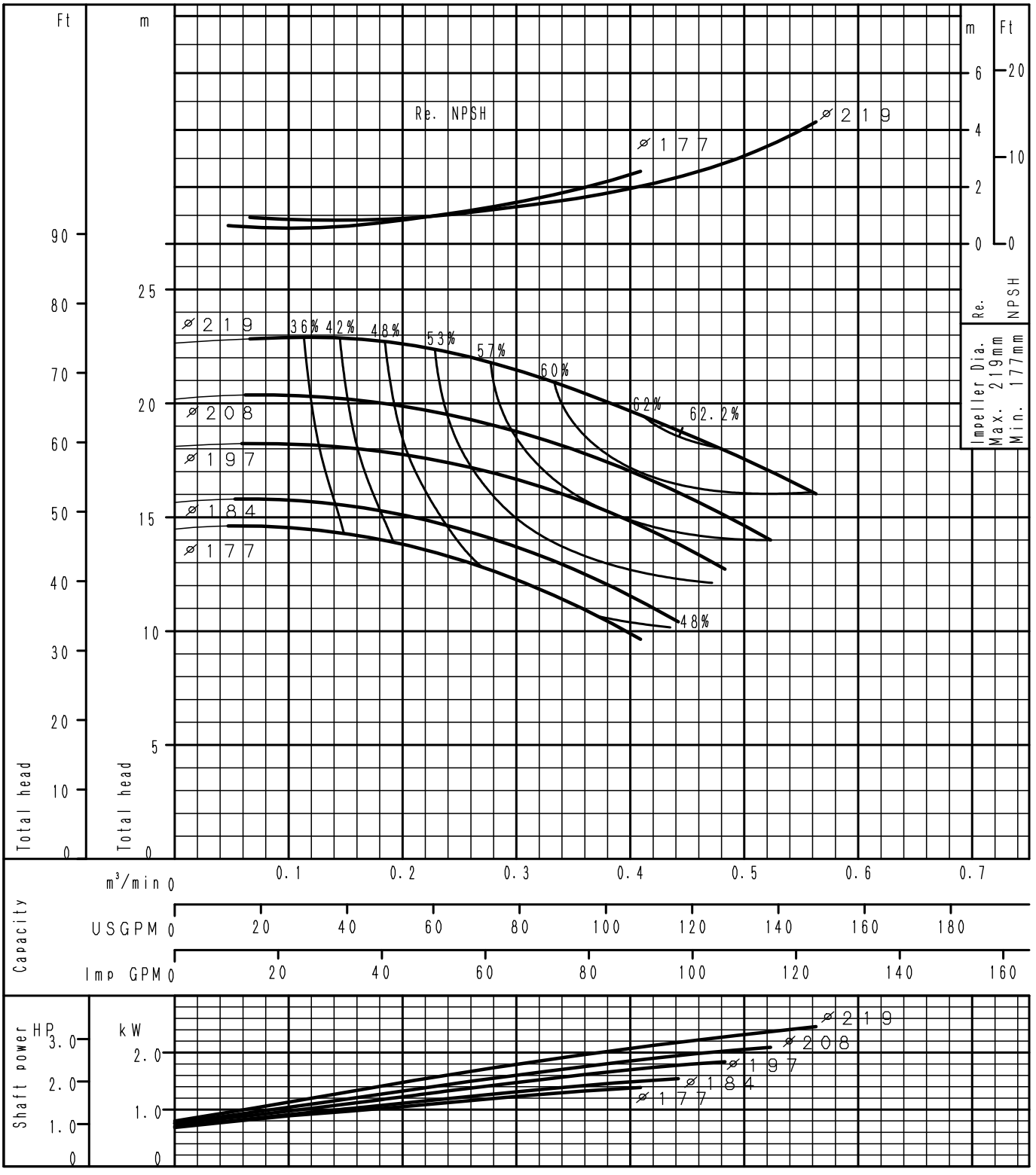
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630874-01

EBARA

EBARA CORPORATION

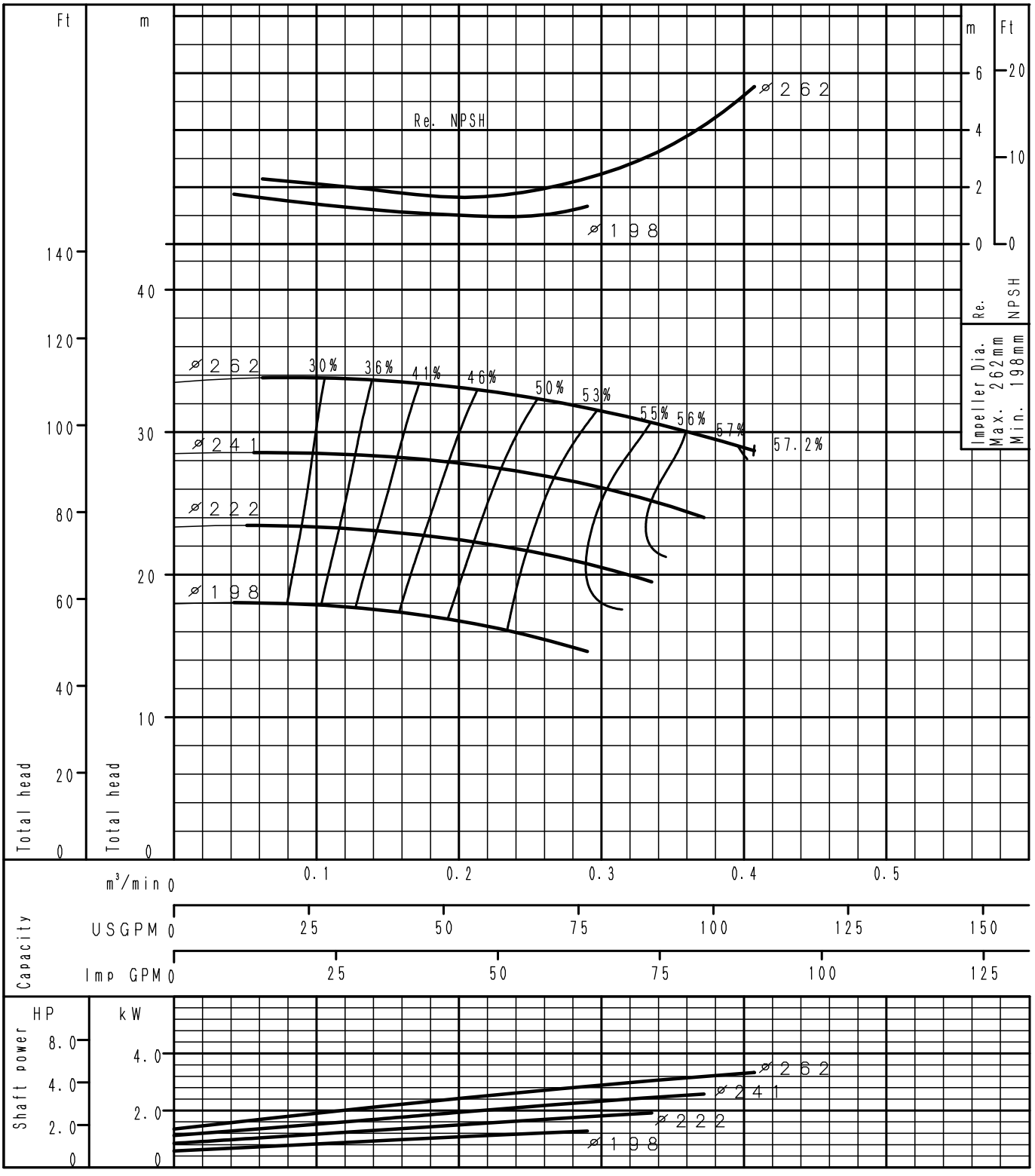
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS32-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630875-01

EBARA

EBARA CORPORATION

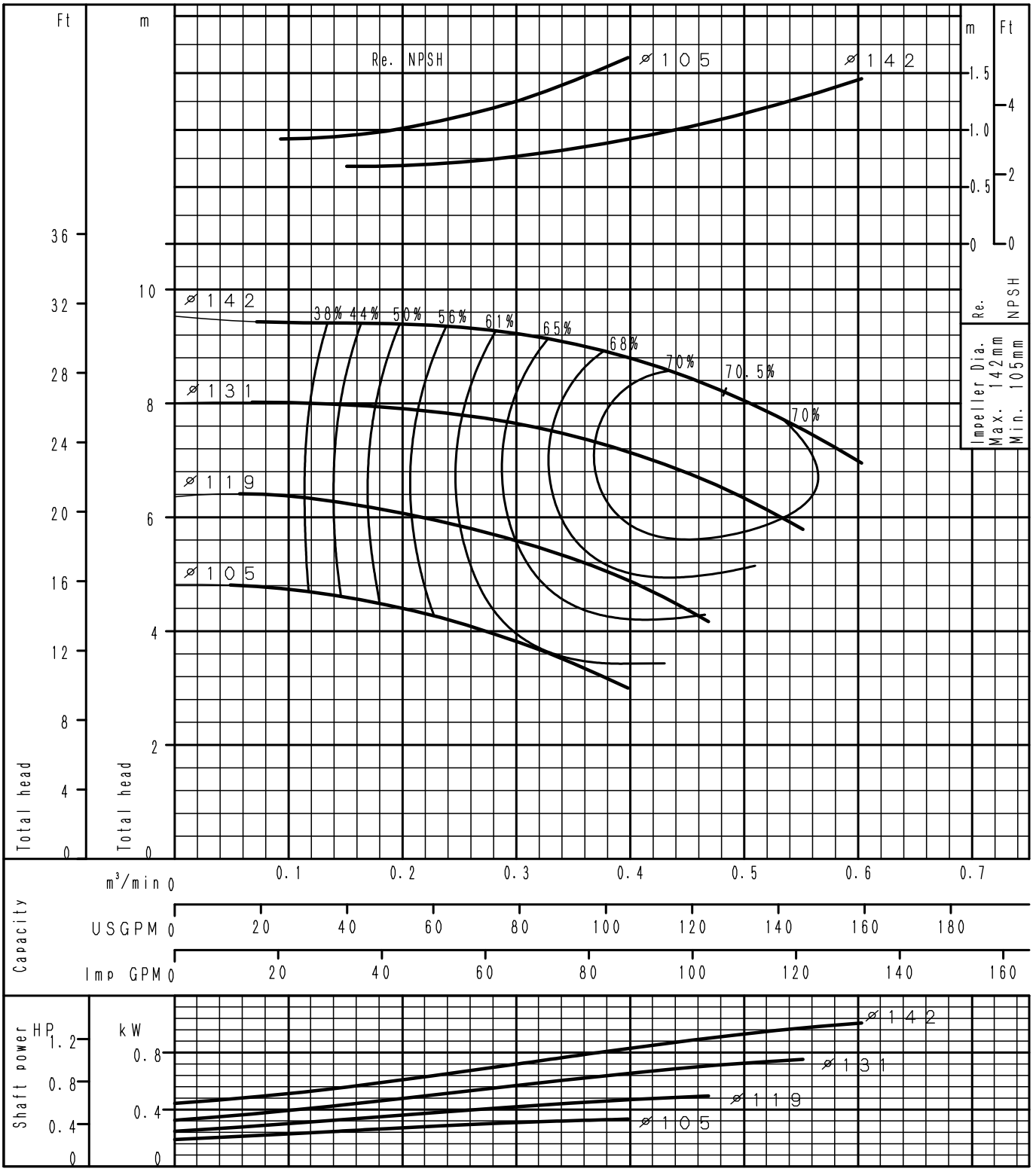
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630876-01

EBARA

EBARA CORPORATION

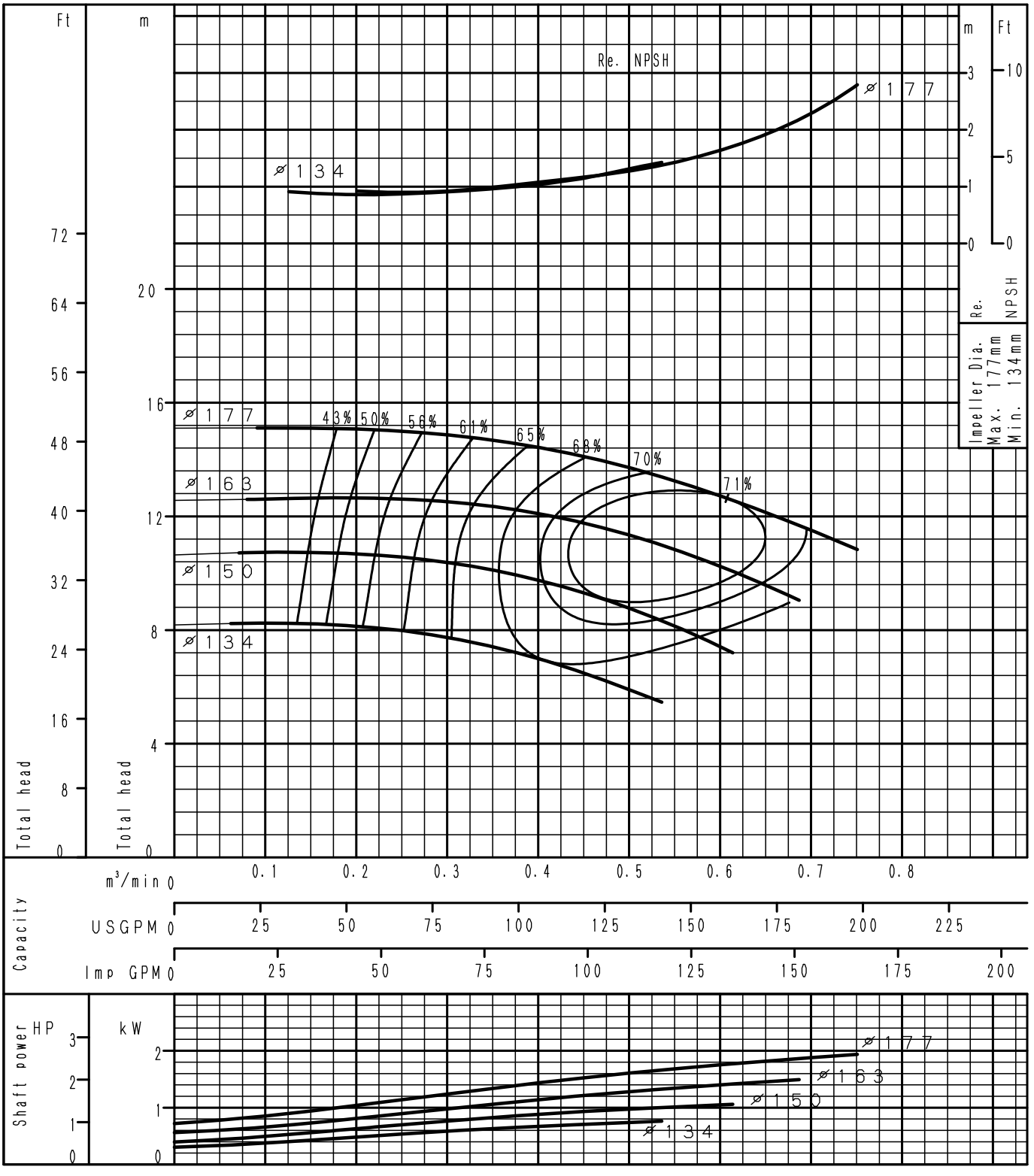
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630877-01

EBARA

EBARA CORPORATION

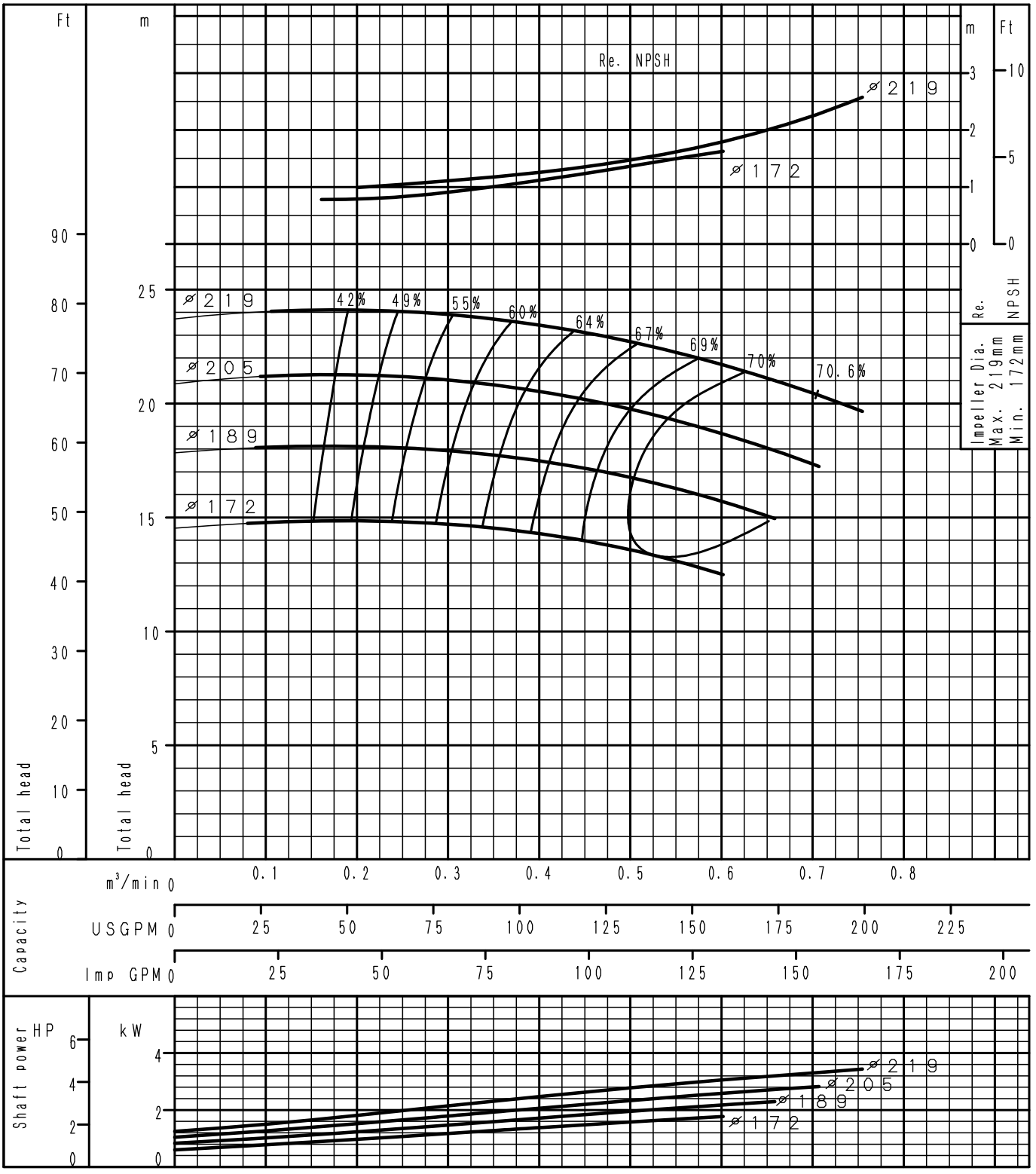
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630878-01

EBARA

EBARA CORPORATION

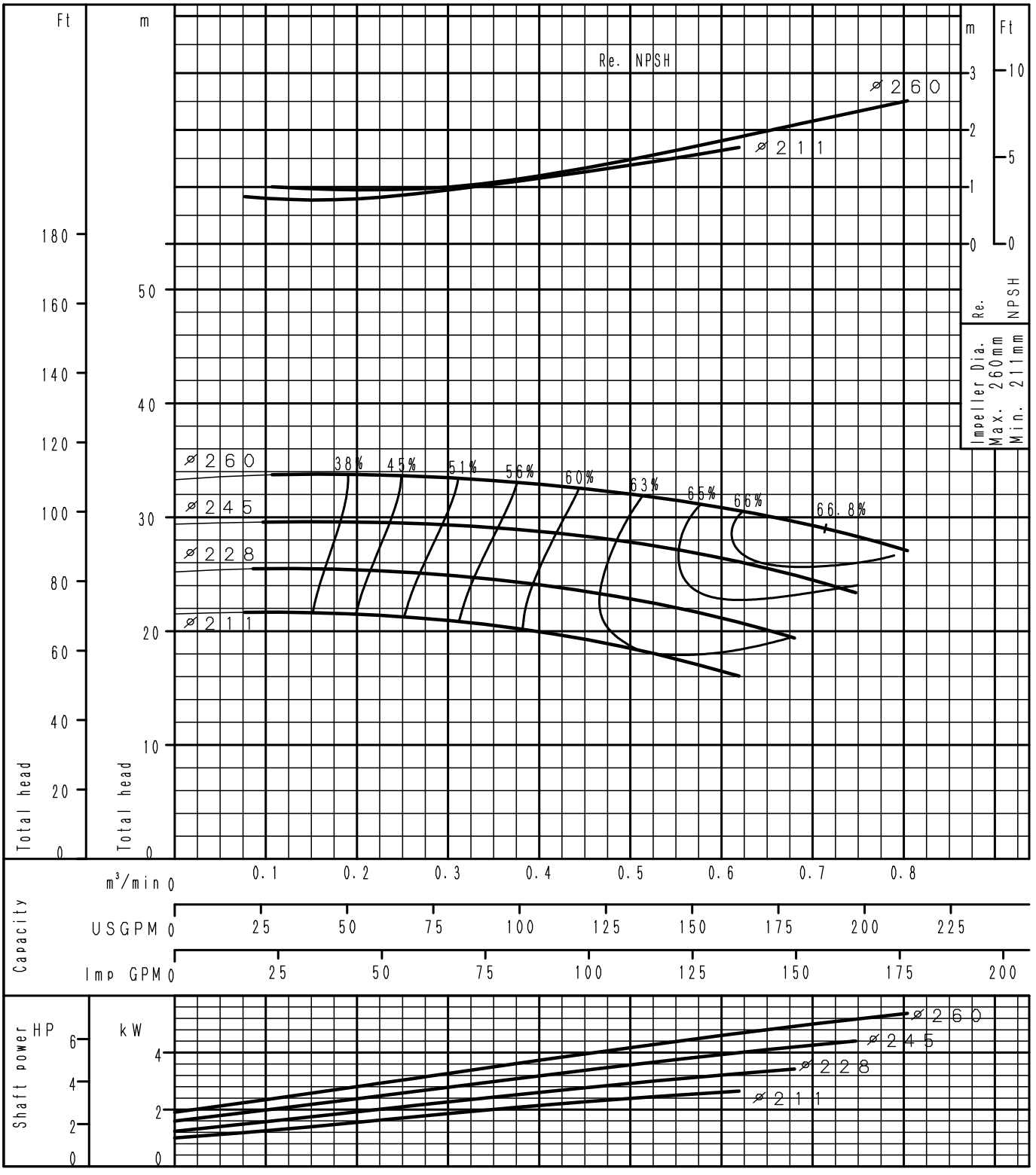
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS40-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630879-01

EBARA

EBARA CORPORATION

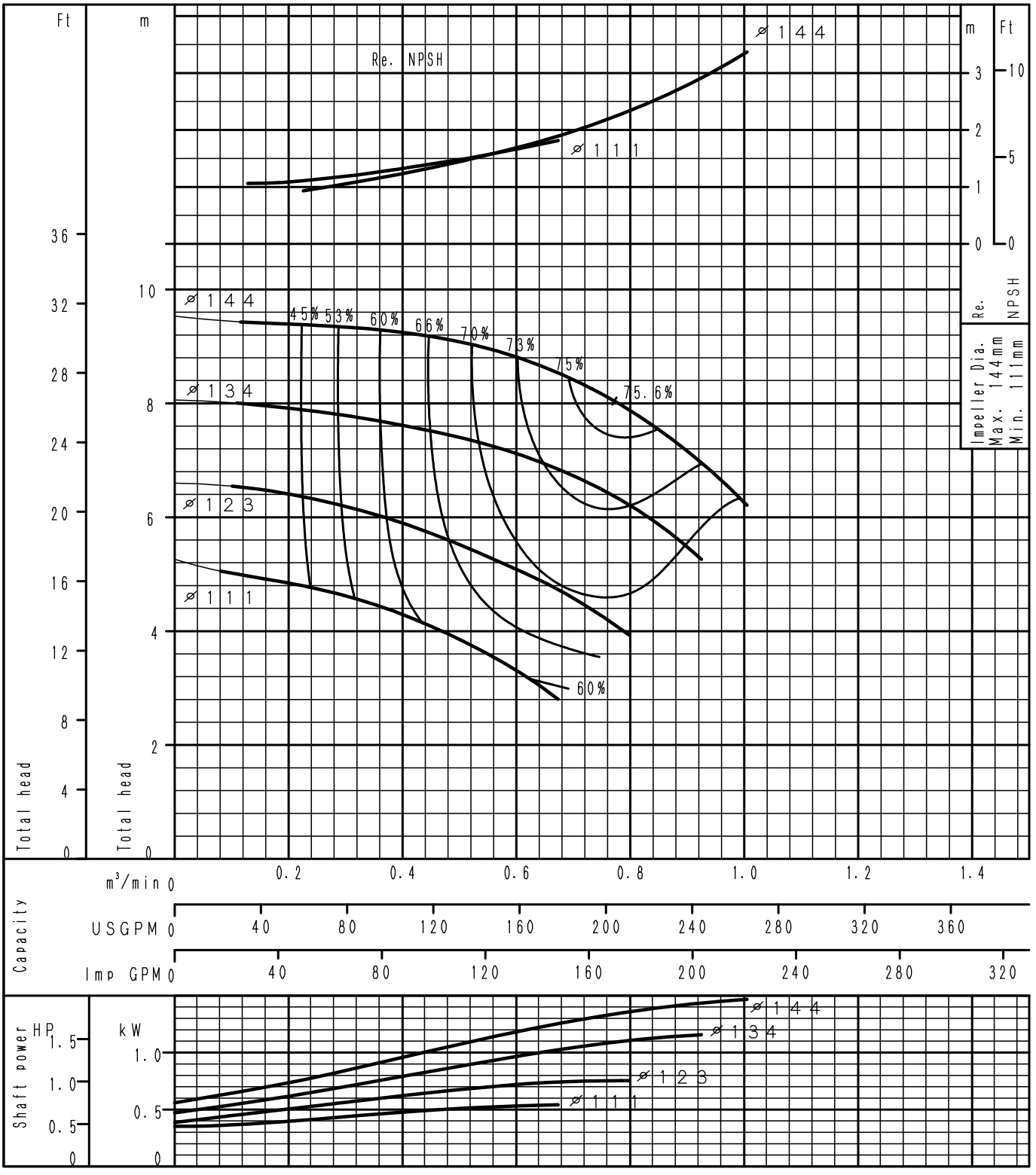
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630880-01

EBARA

EBARA CORPORATION

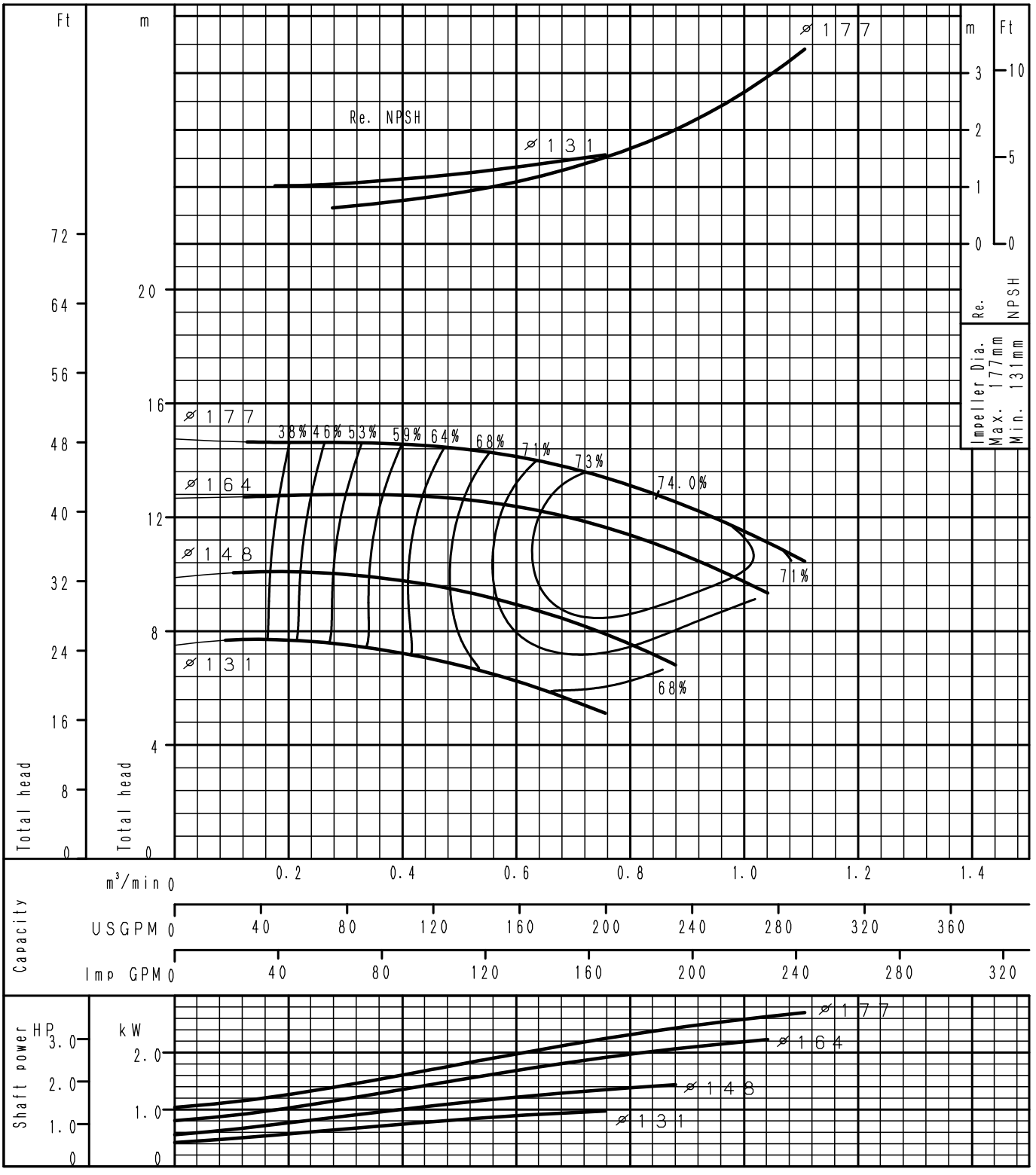
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630881-01

EBARA

EBARA CORPORATION

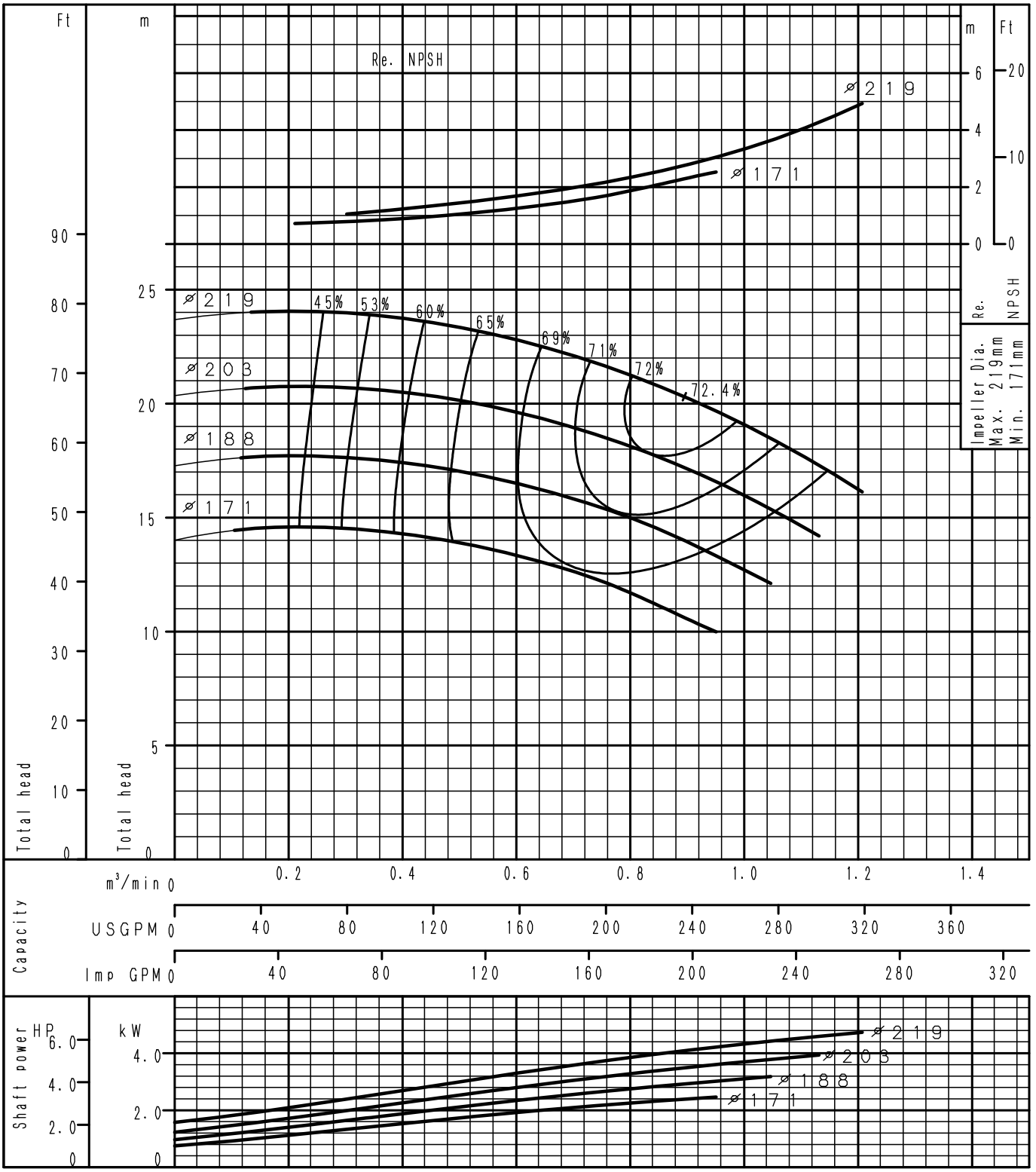
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630882-01

EBARA

EBARA CORPORATION

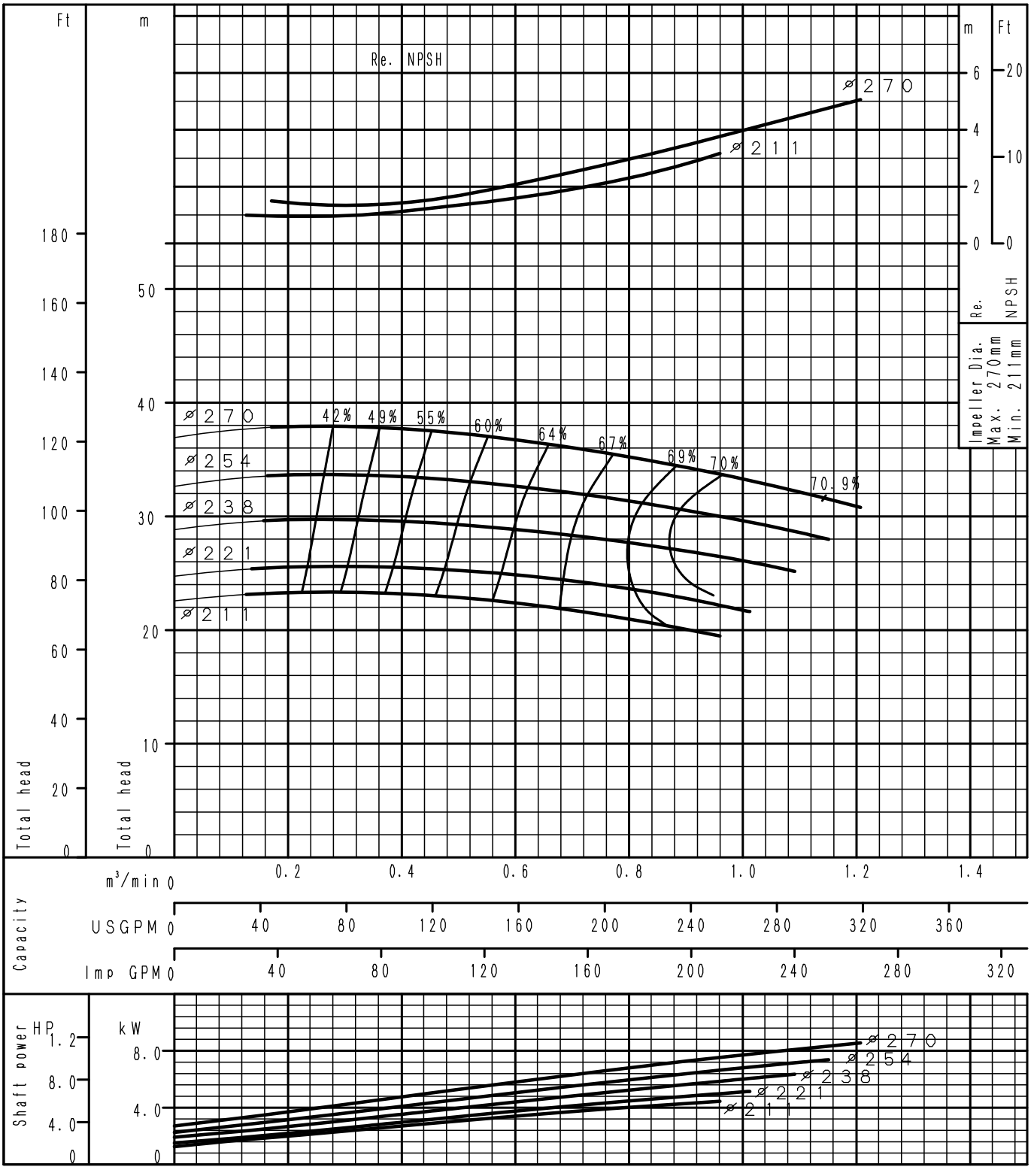
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630883-01

EBARA

EBARA CORPORATION

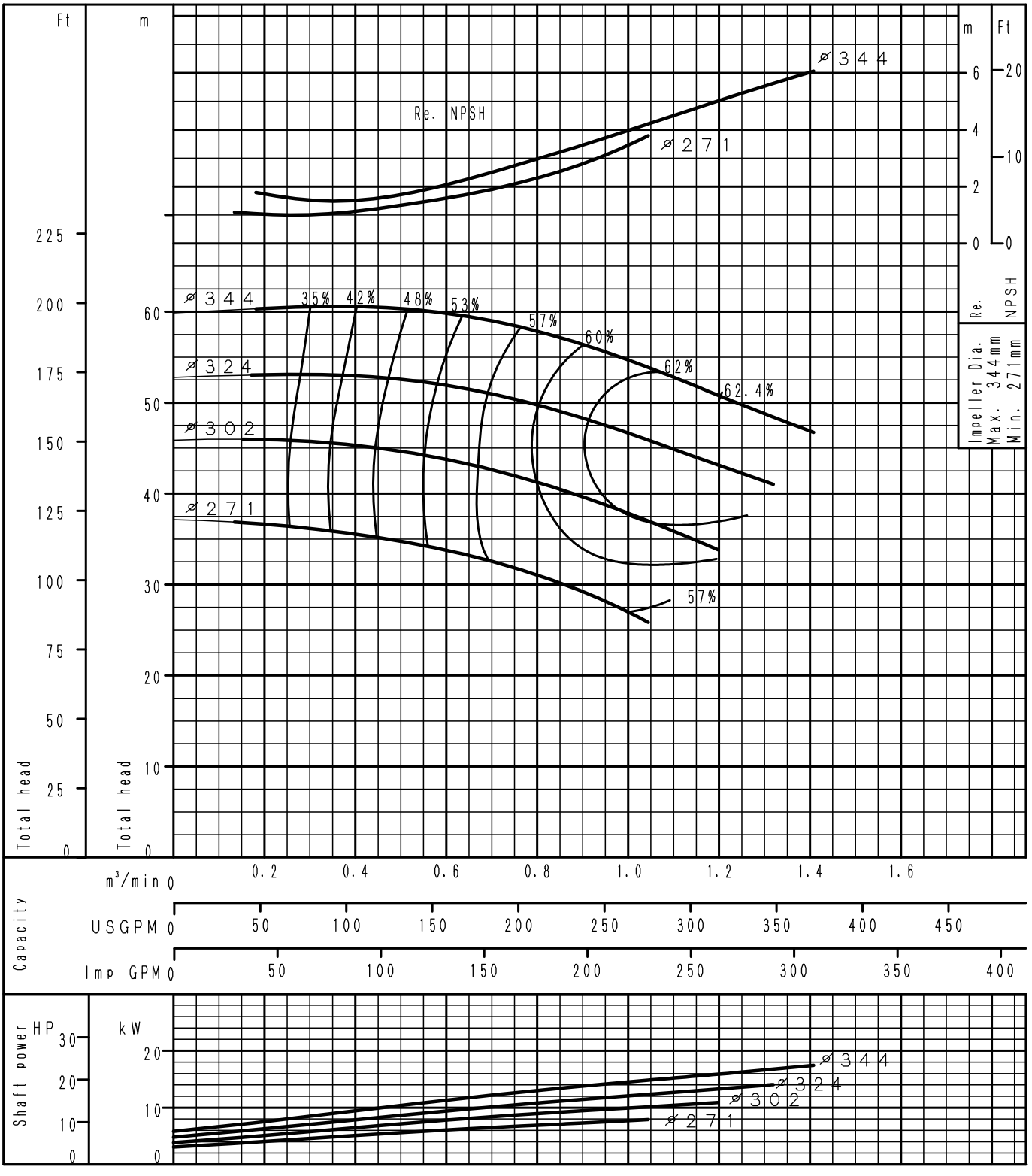
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS50-315	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630884-01

EBARA

EBARA CORPORATION

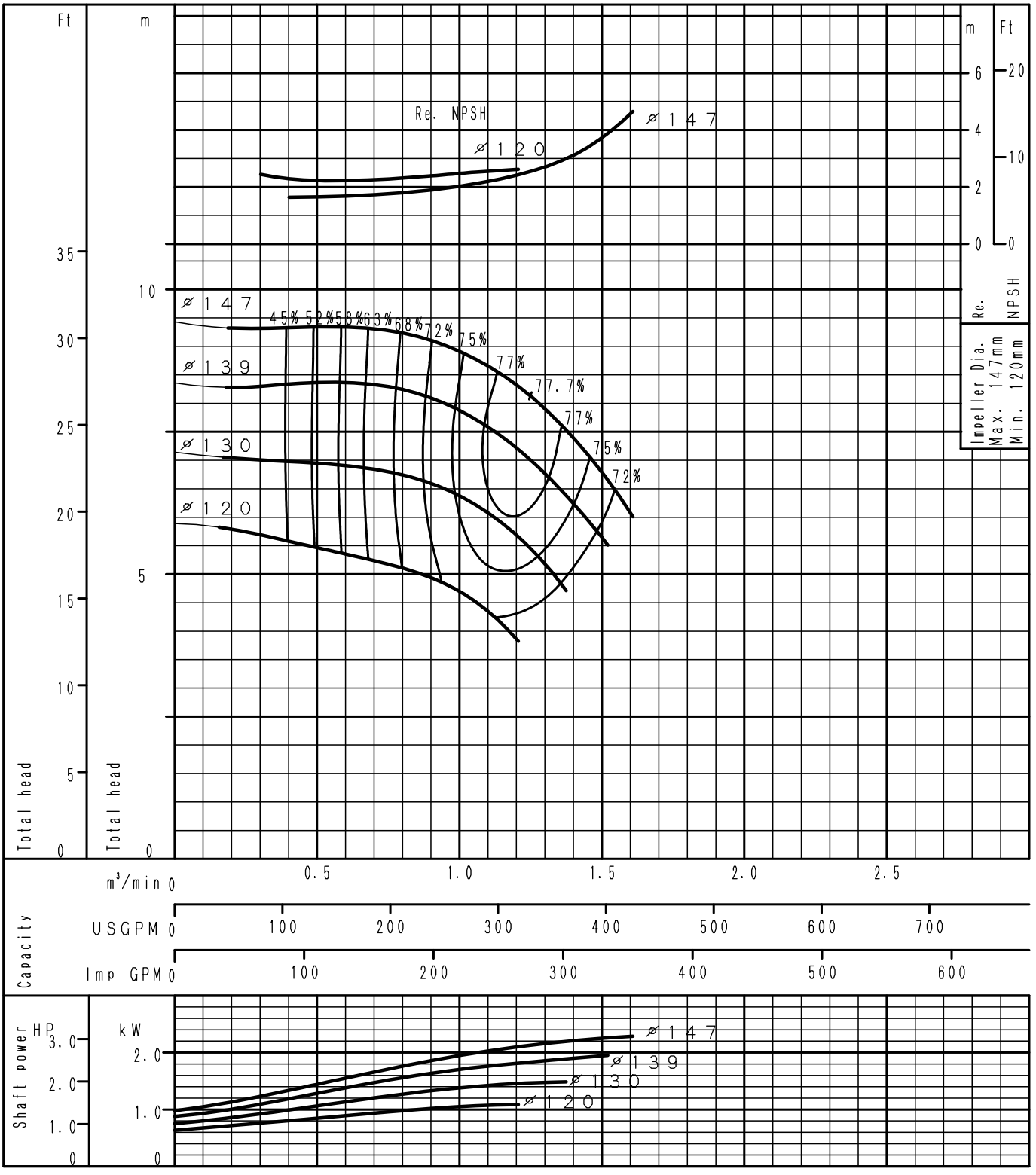
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-125	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630885-01

EBARA

EBARA CORPORATION

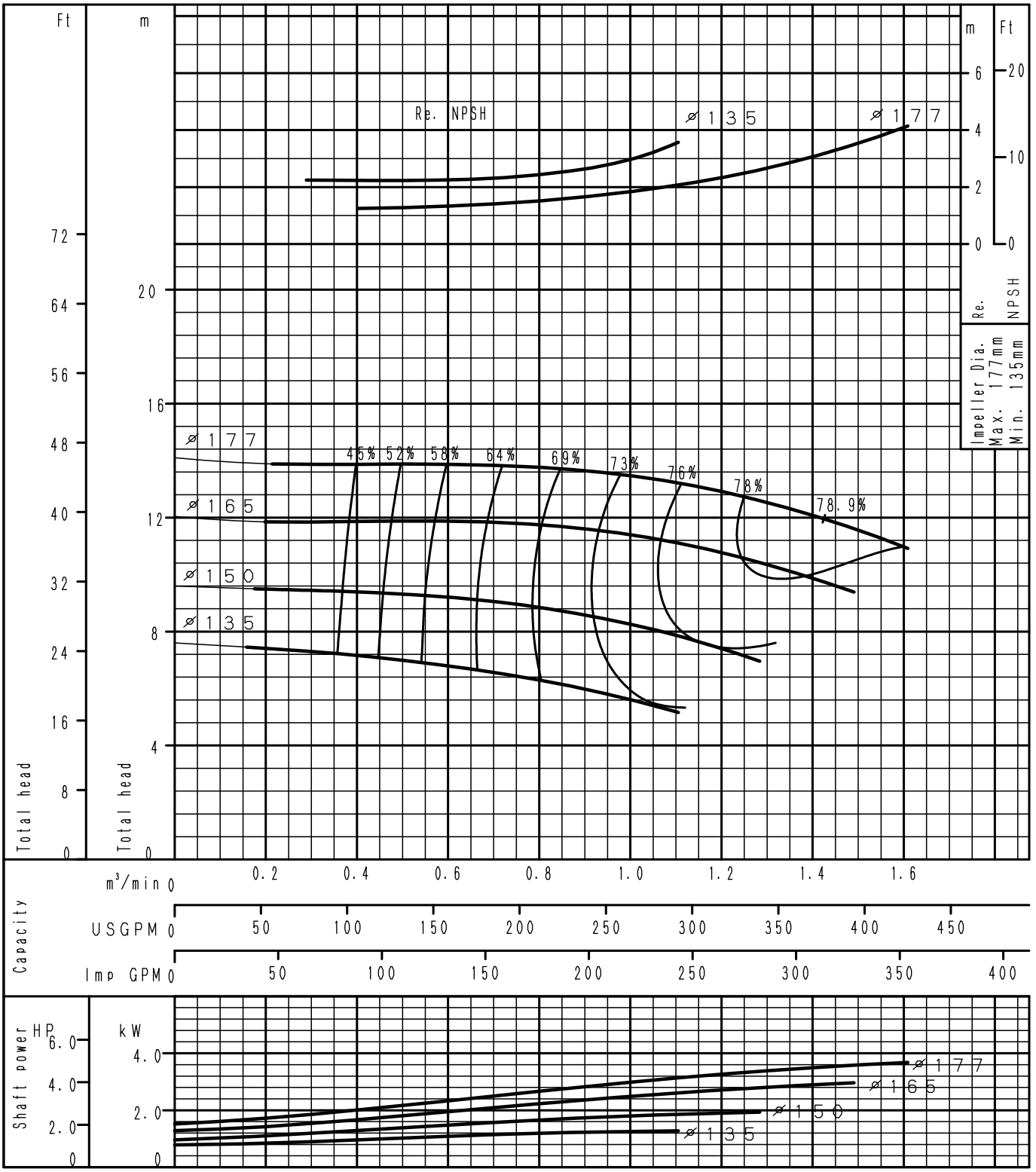
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630886-01

EBARA

EBARA CORPORATION

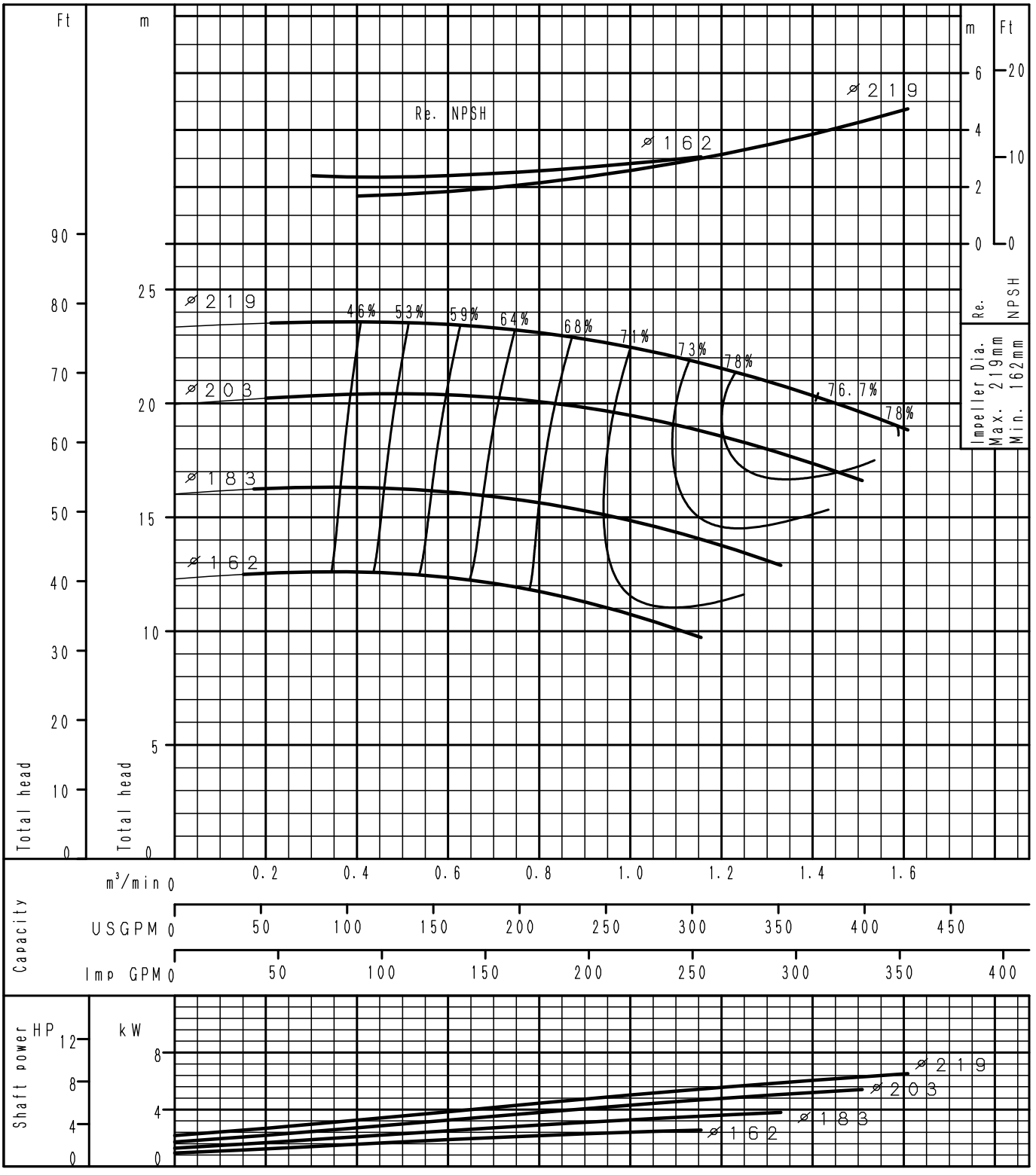
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630887-01

EBARA

EBARA CORPORATION

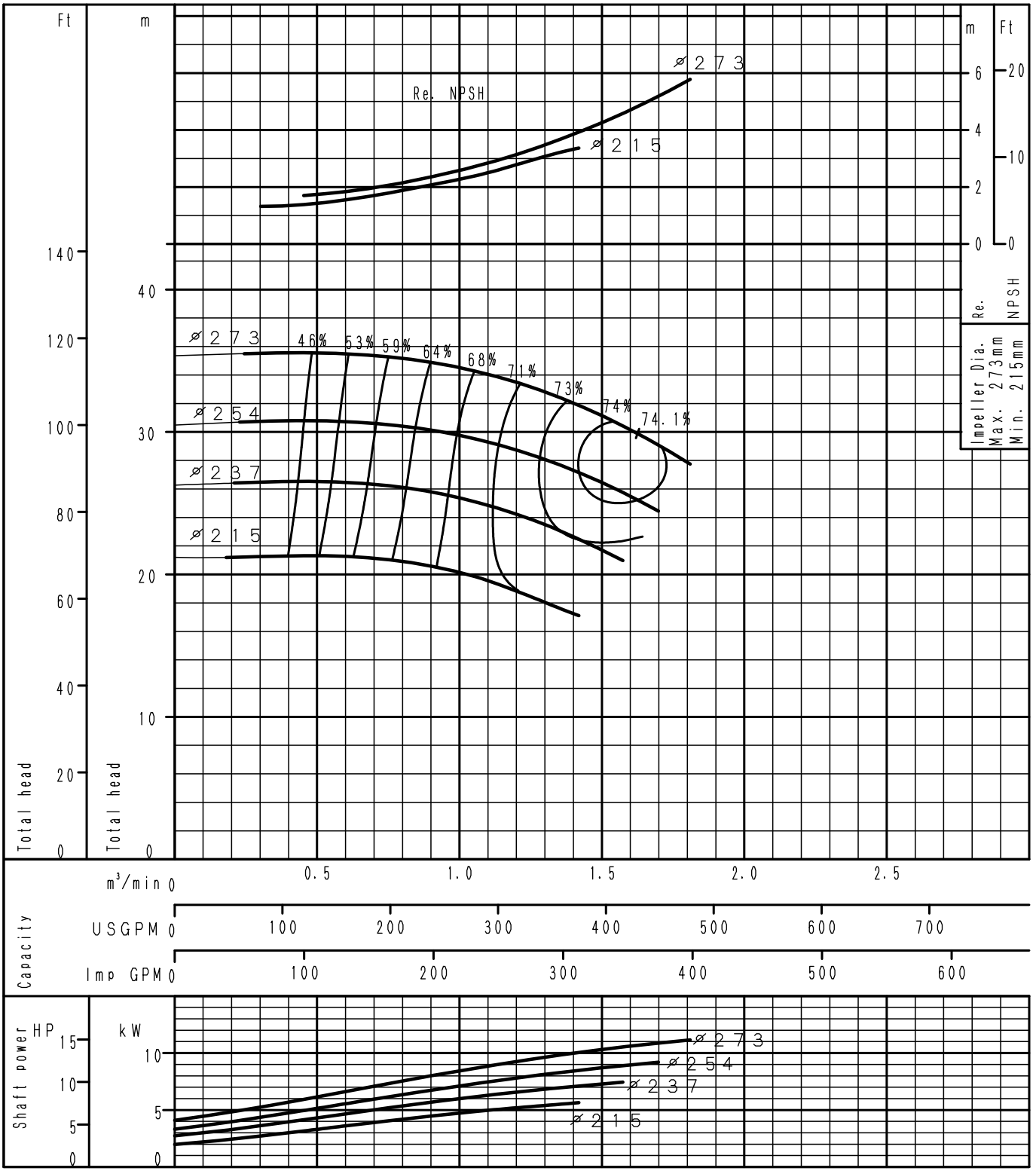
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630888-01

EBARA

EBARA CORPORATION

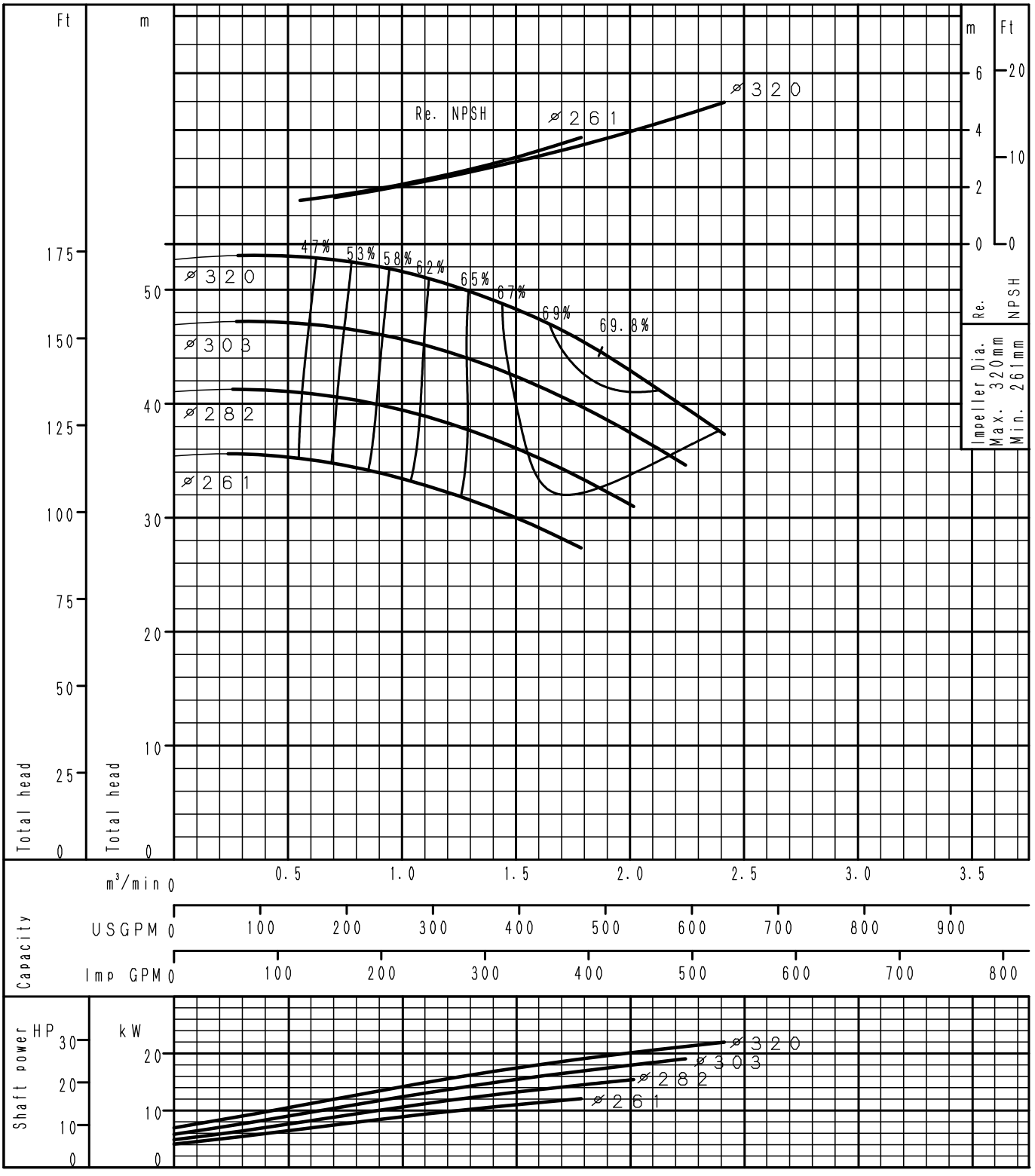
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS65-315	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630889-01

EBARA

EBARA CORPORATION

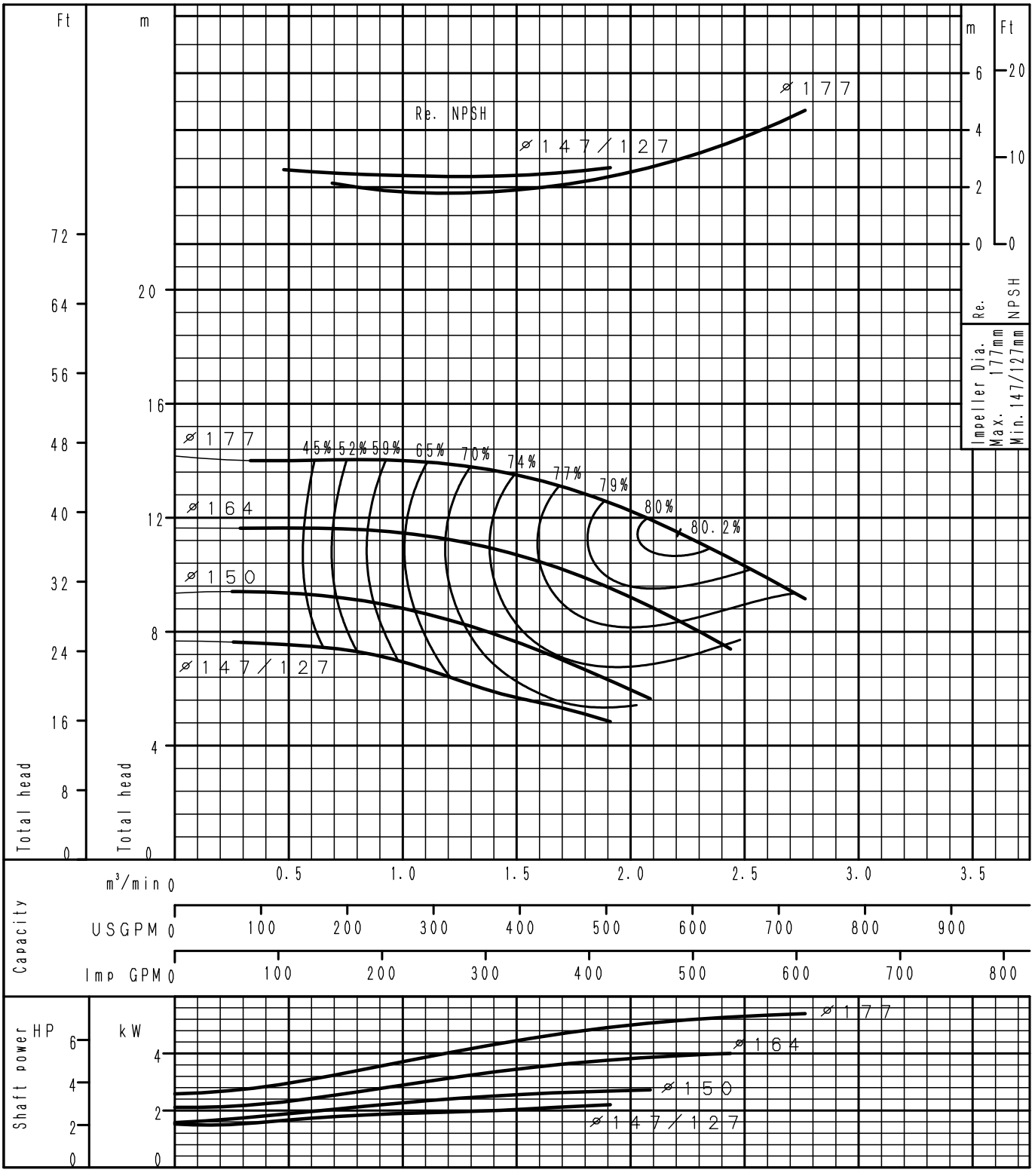
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630890-01

EBARA

EBARA CORPORATION

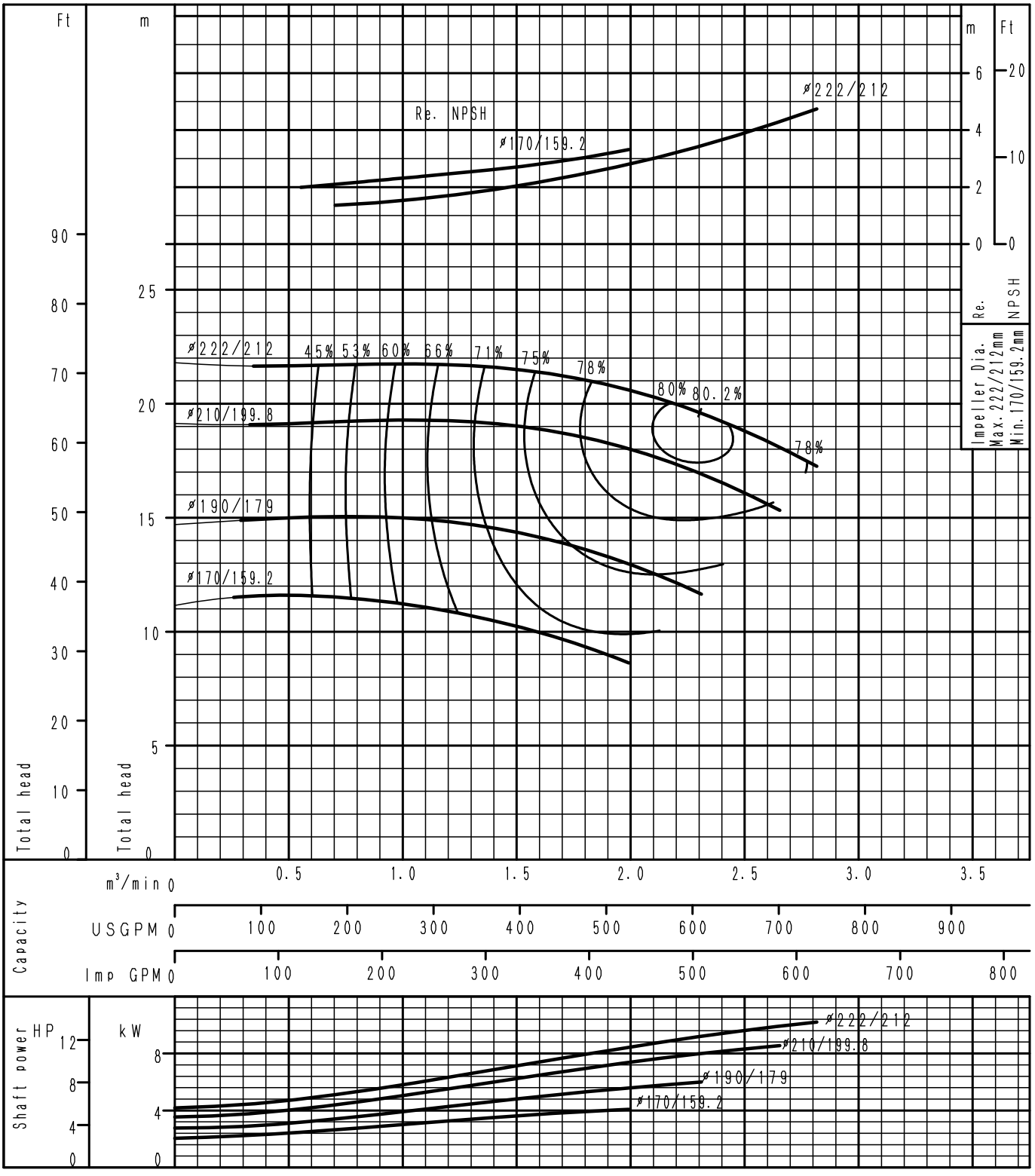
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630891-01

EBARA

EBARA CORPORATION

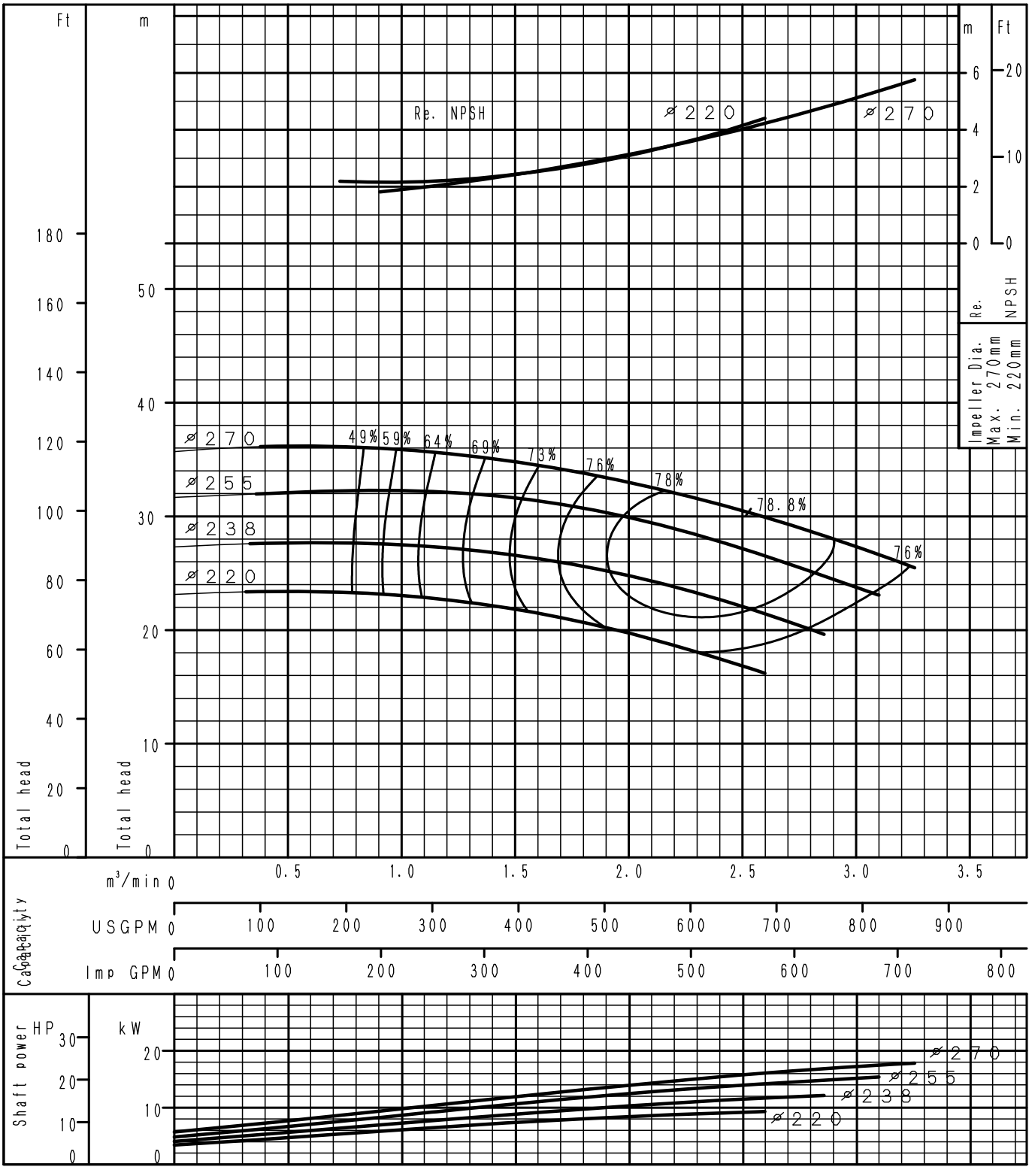
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630892-01

EBARA

EBARA CORPORATION

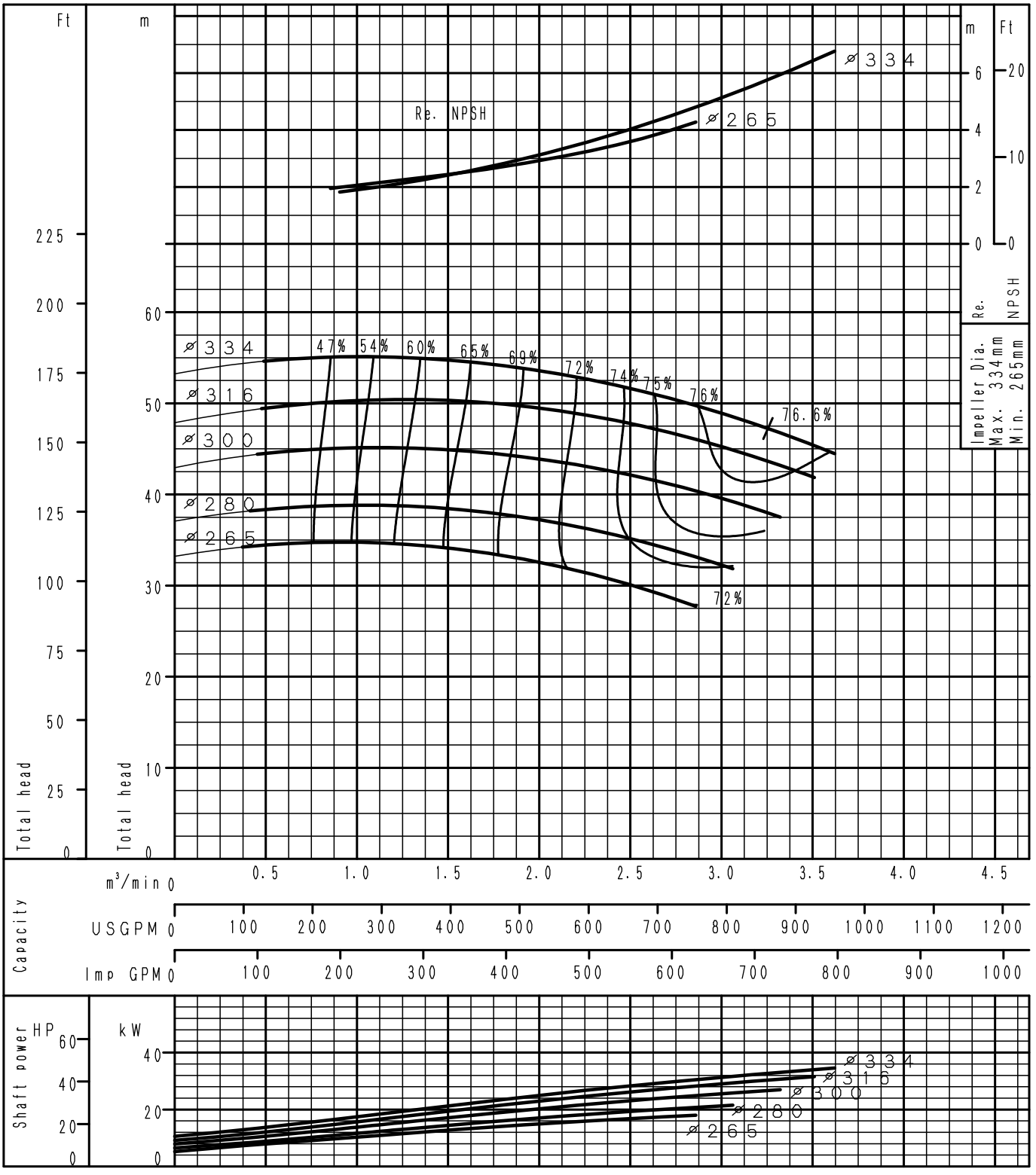
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-315	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630893-01

EBARA

EBARA CORPORATION

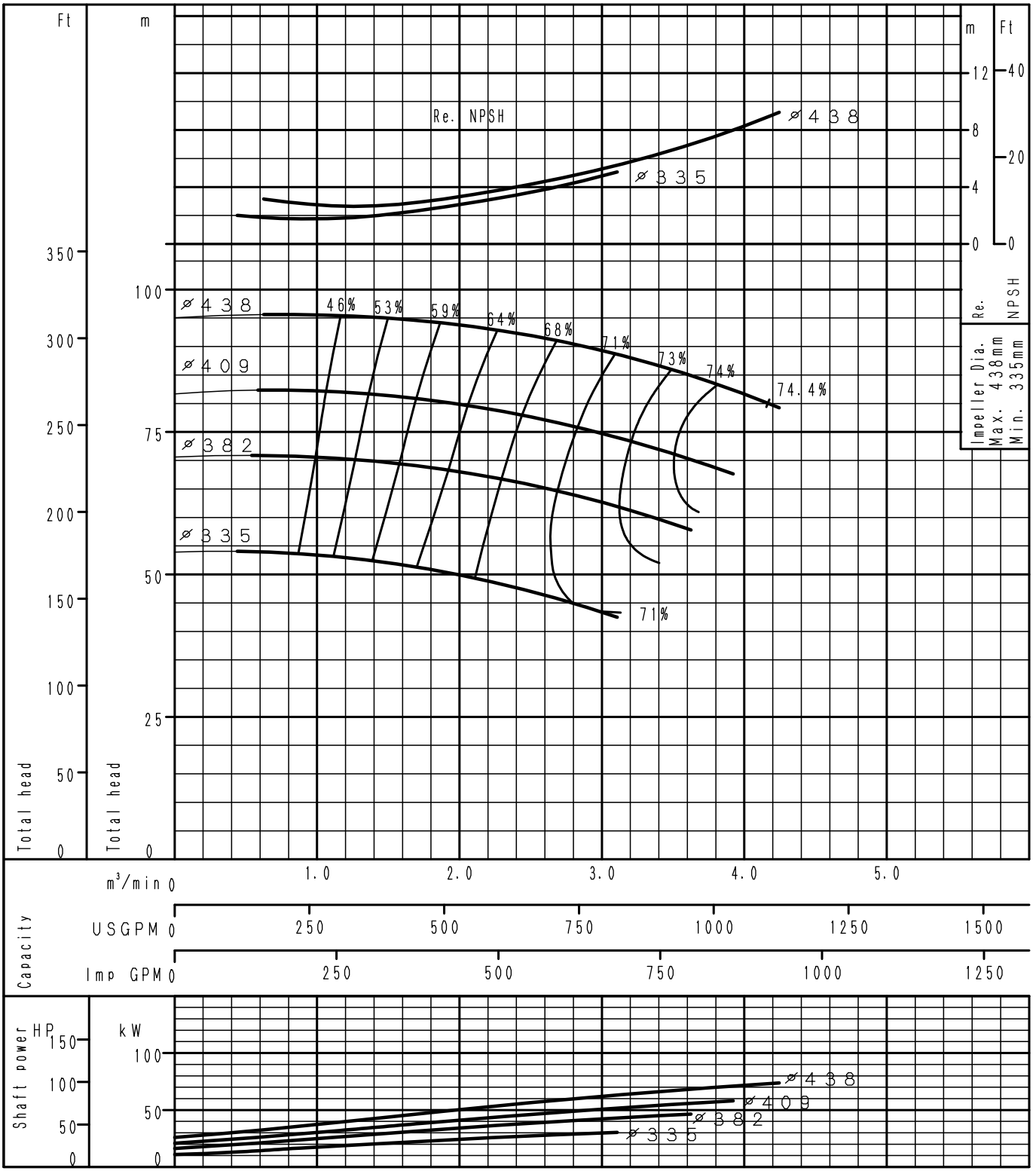
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS80-400	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1630894-01

EBARA

EBARA CORPORATION

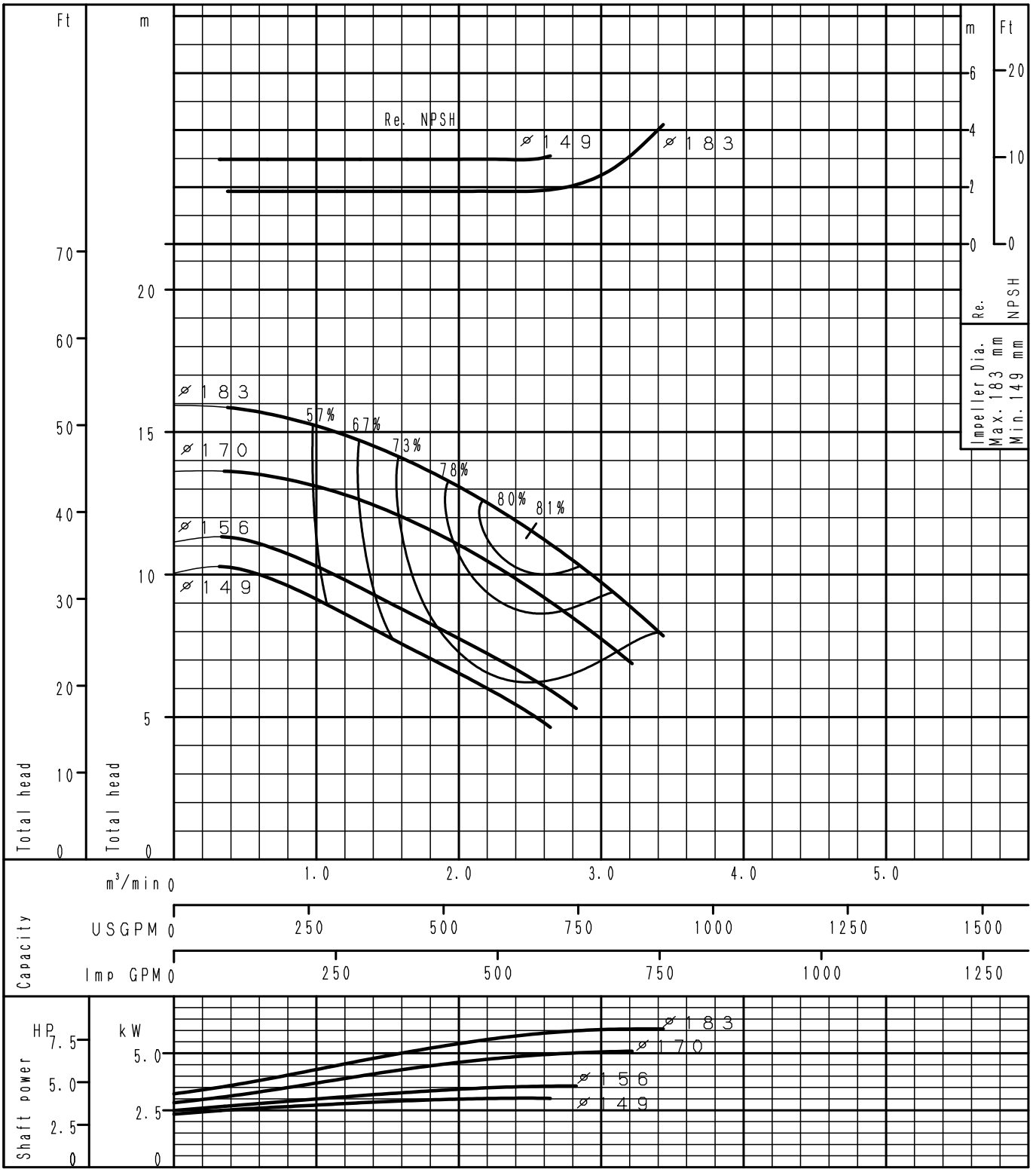
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-160	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731663-00

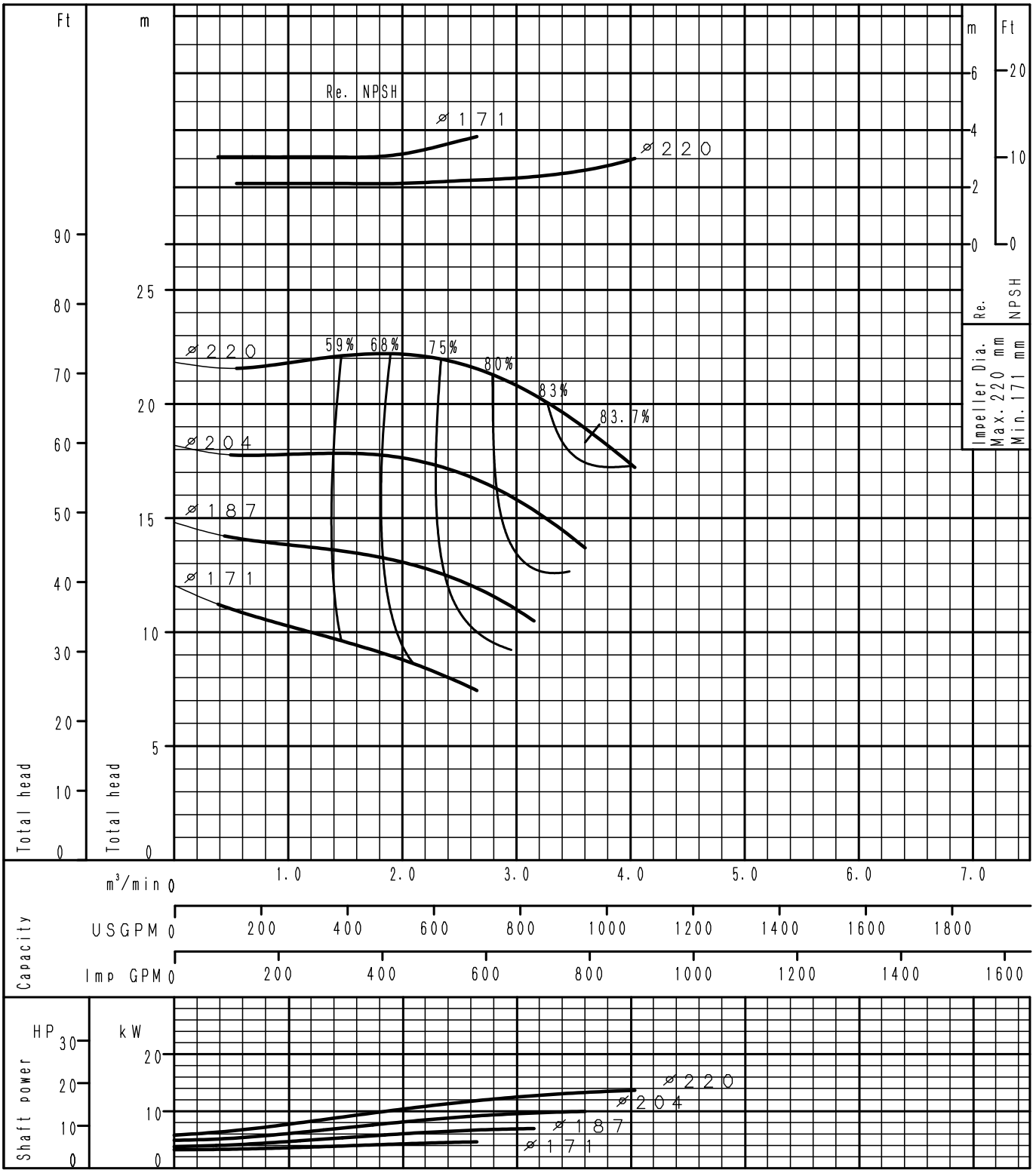
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1731664-00

EBARA

EBARA CORPORATION

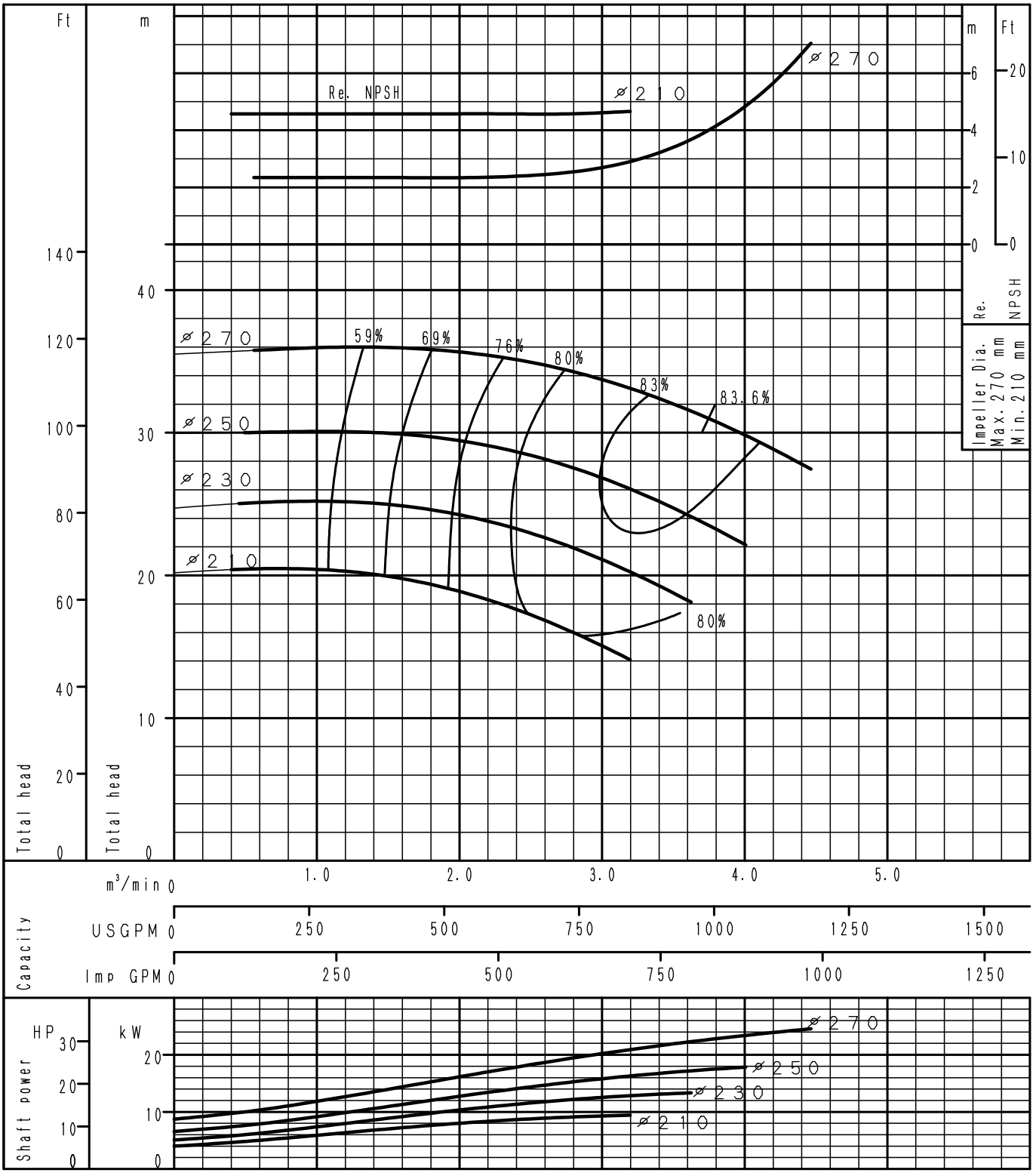
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731665-00

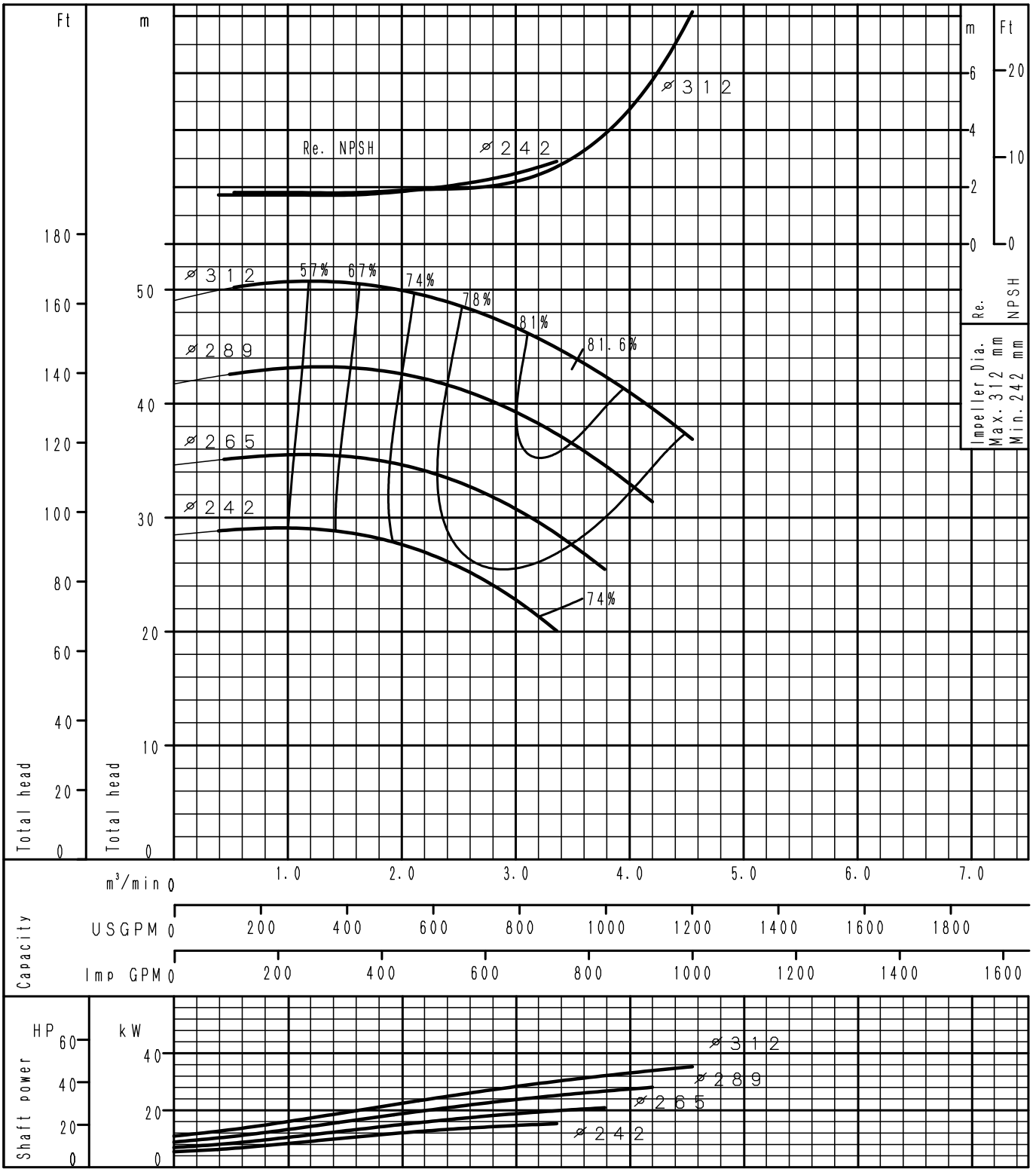
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-315	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



F8-1731666-00

EBARA

EBARA CORPORATION

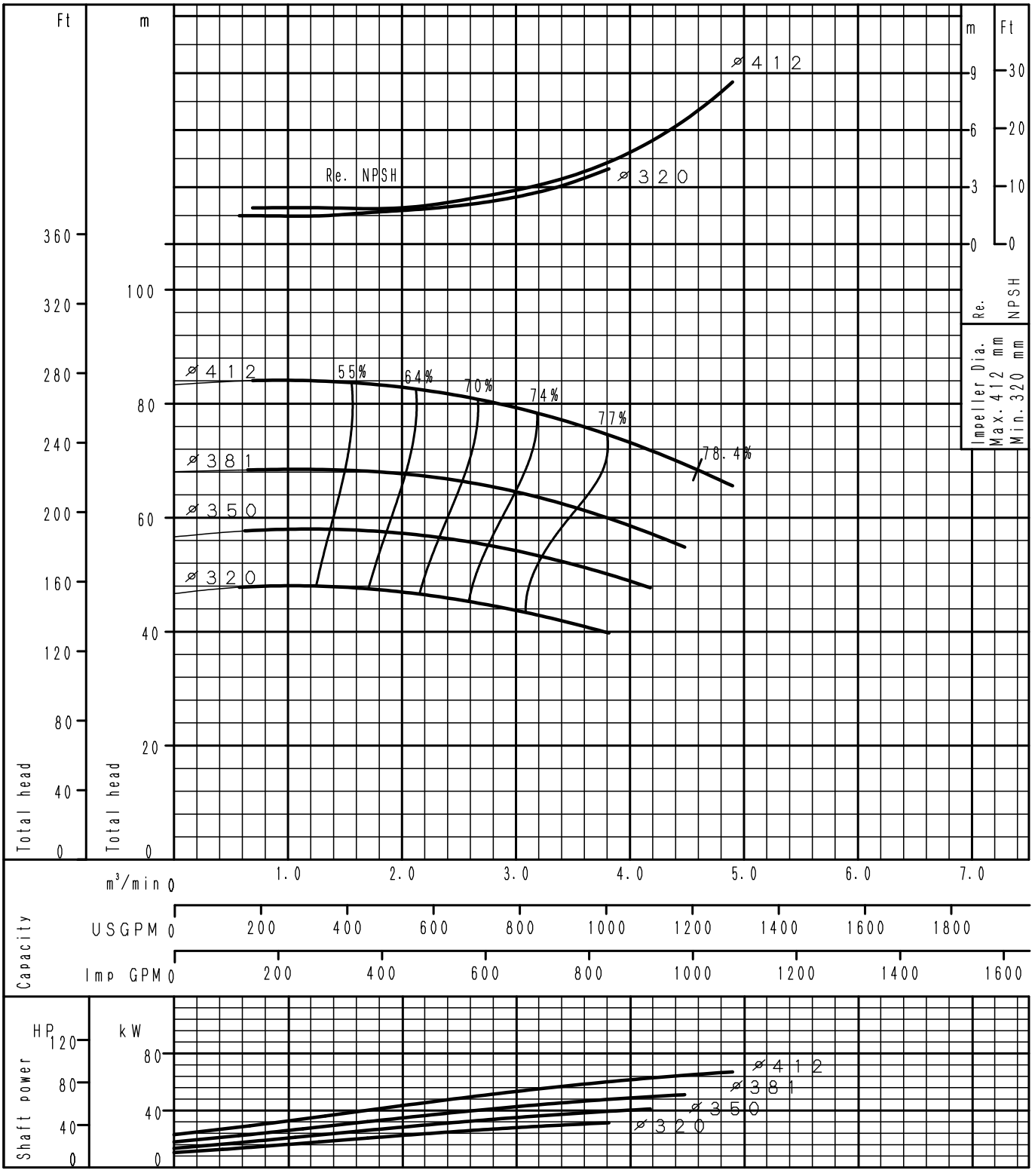
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS100-400	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731667-00

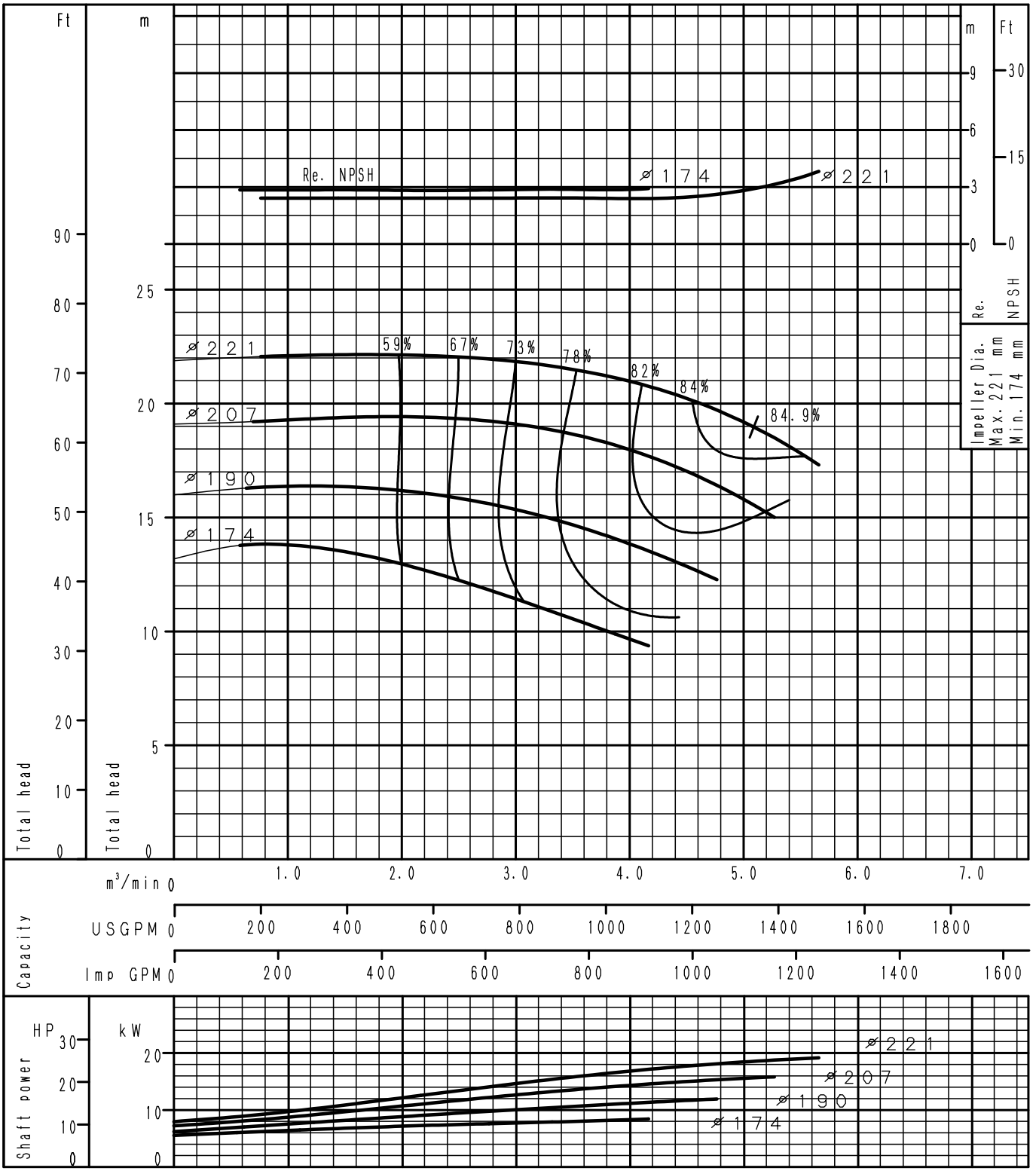
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731668-00

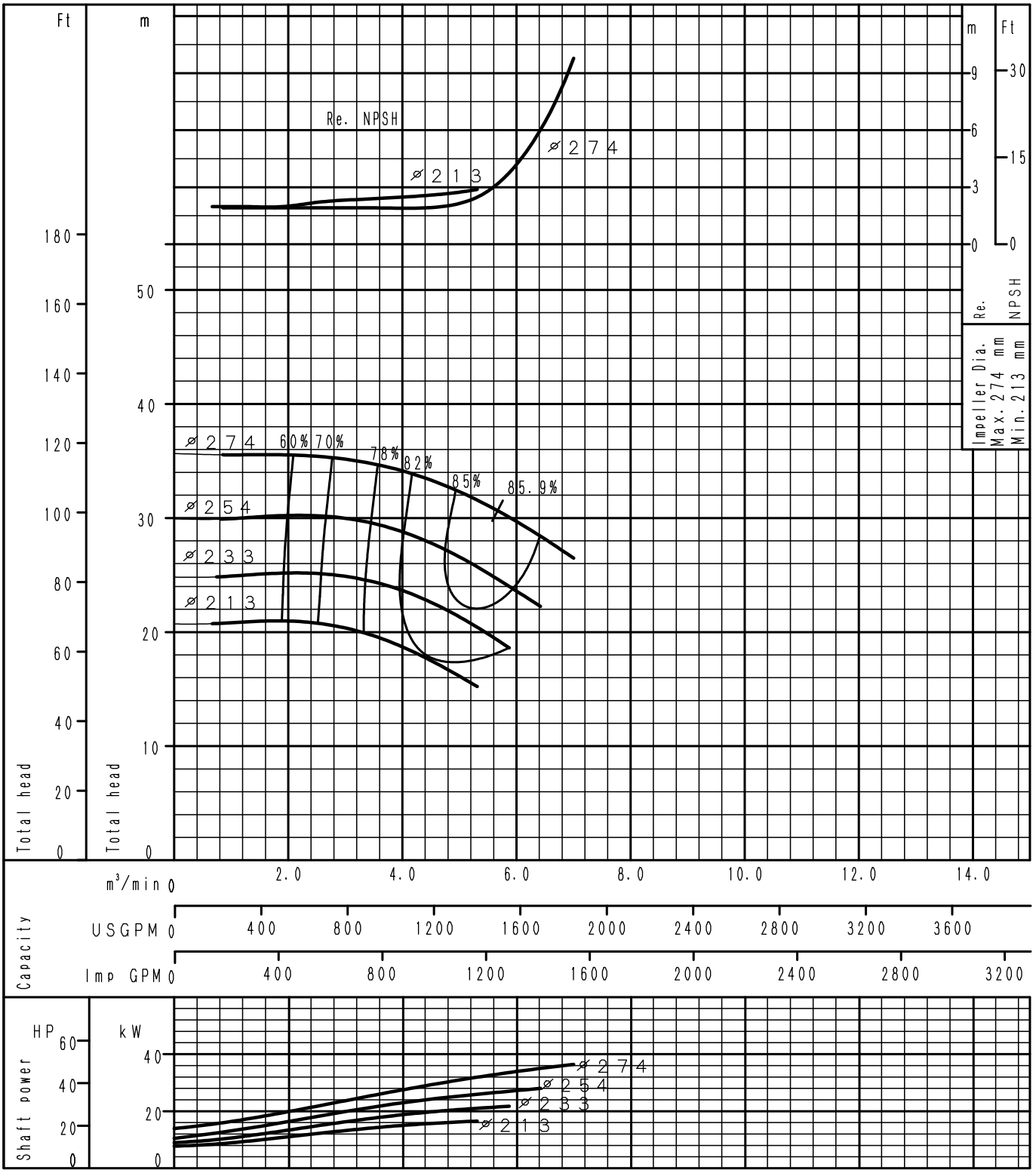
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731669-00

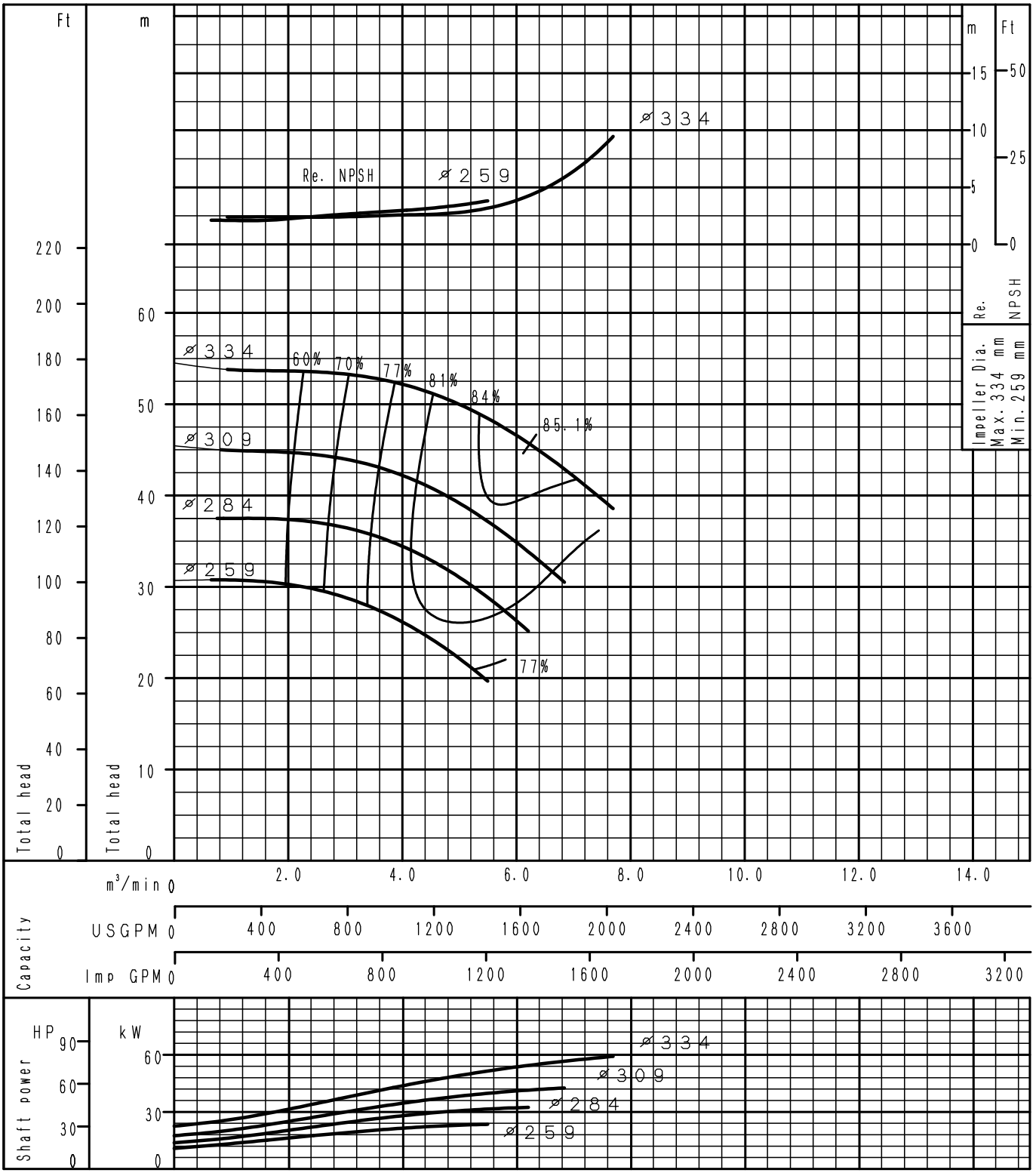
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-315	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731670-00

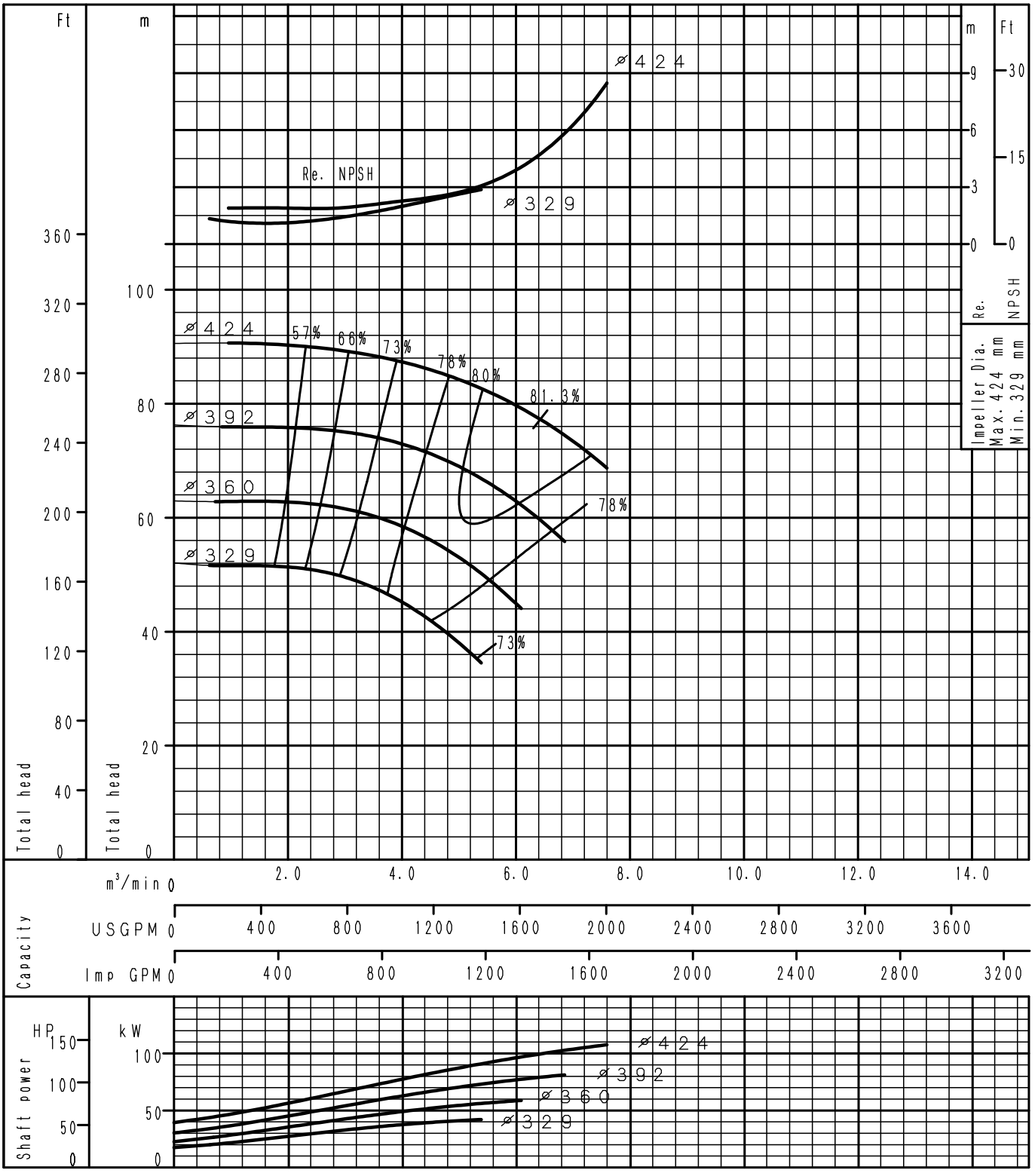
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-400	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731671-00

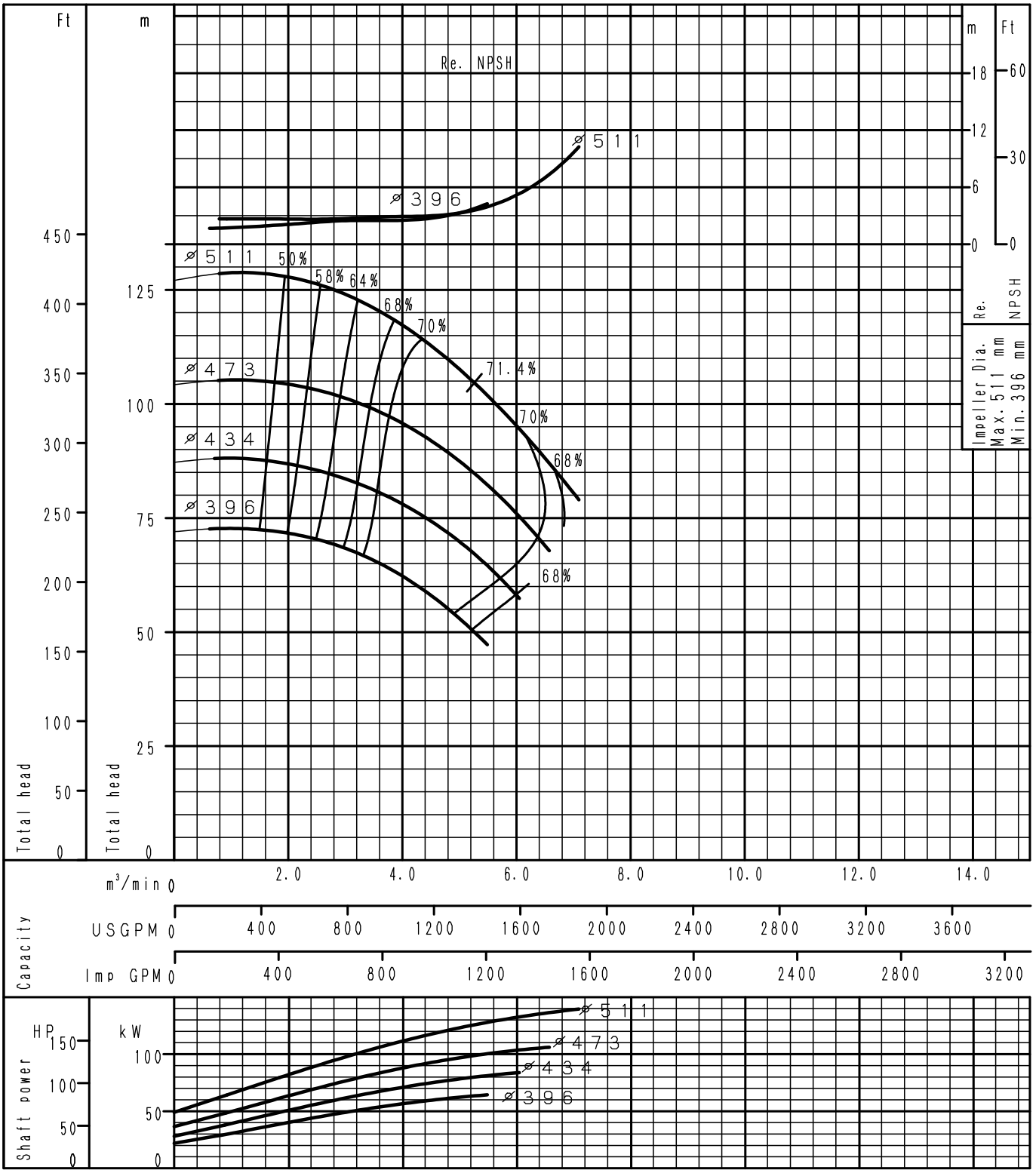
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS125-500	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731672-00

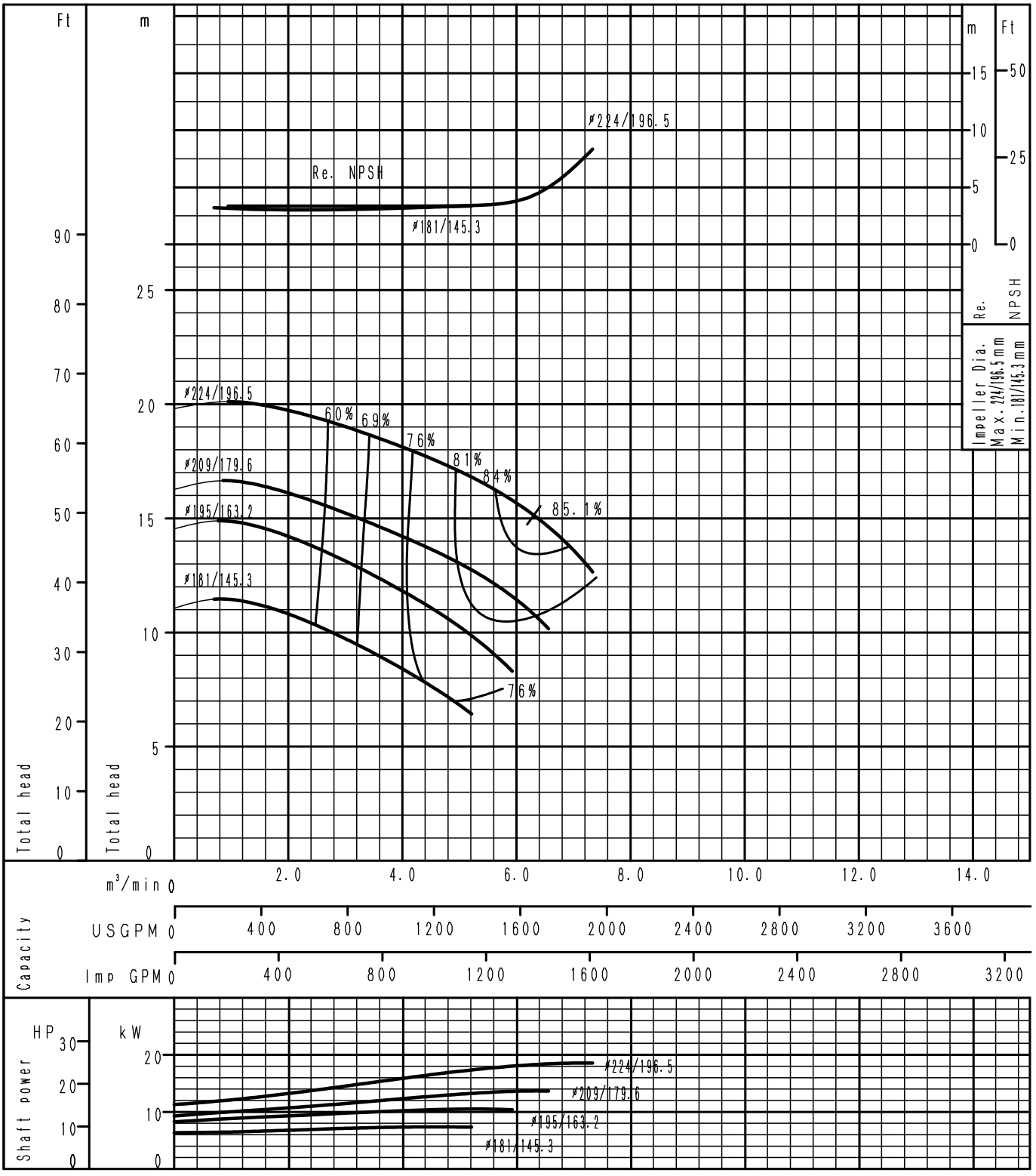
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-200	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731673-00

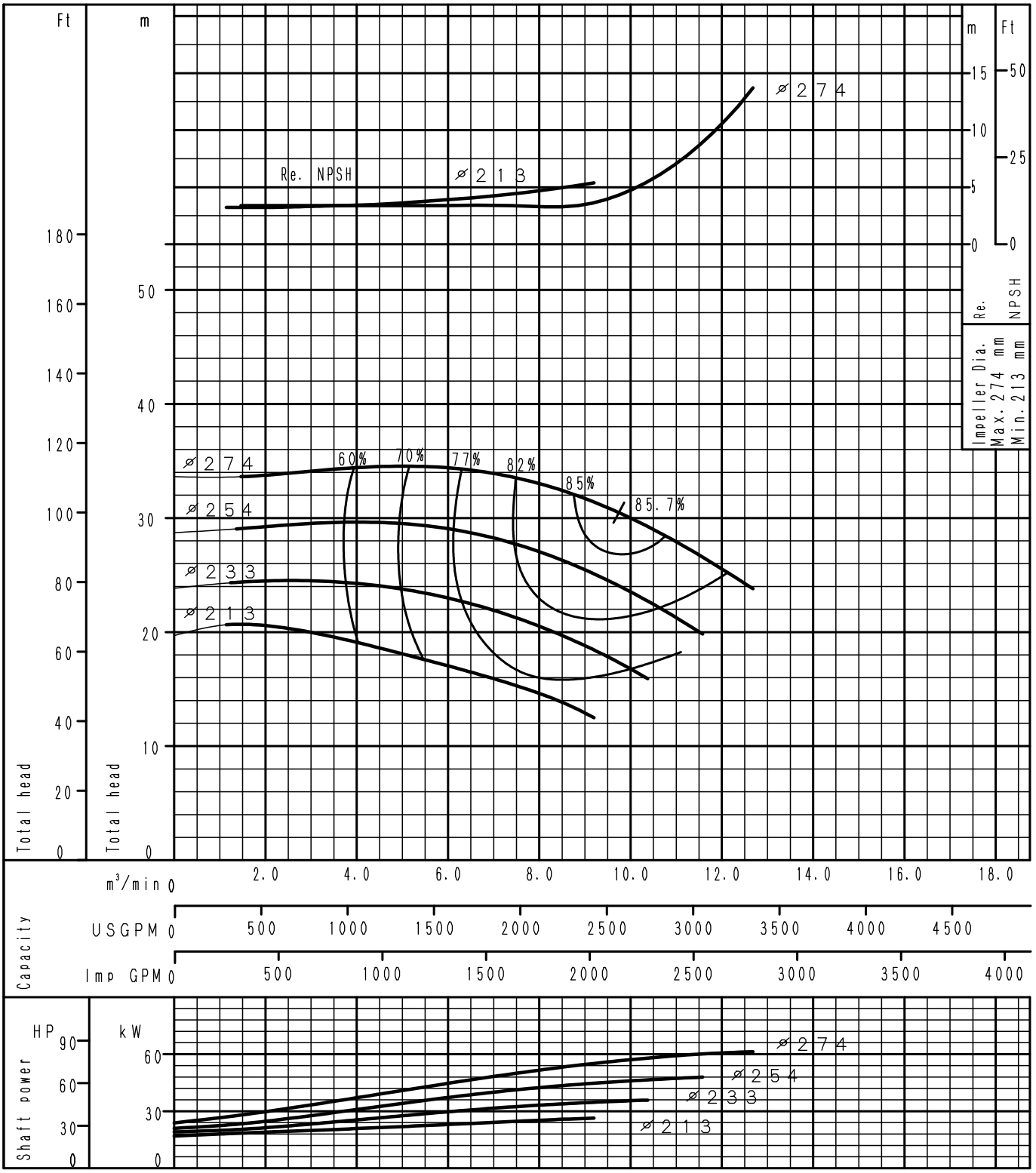
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-250	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731674-00

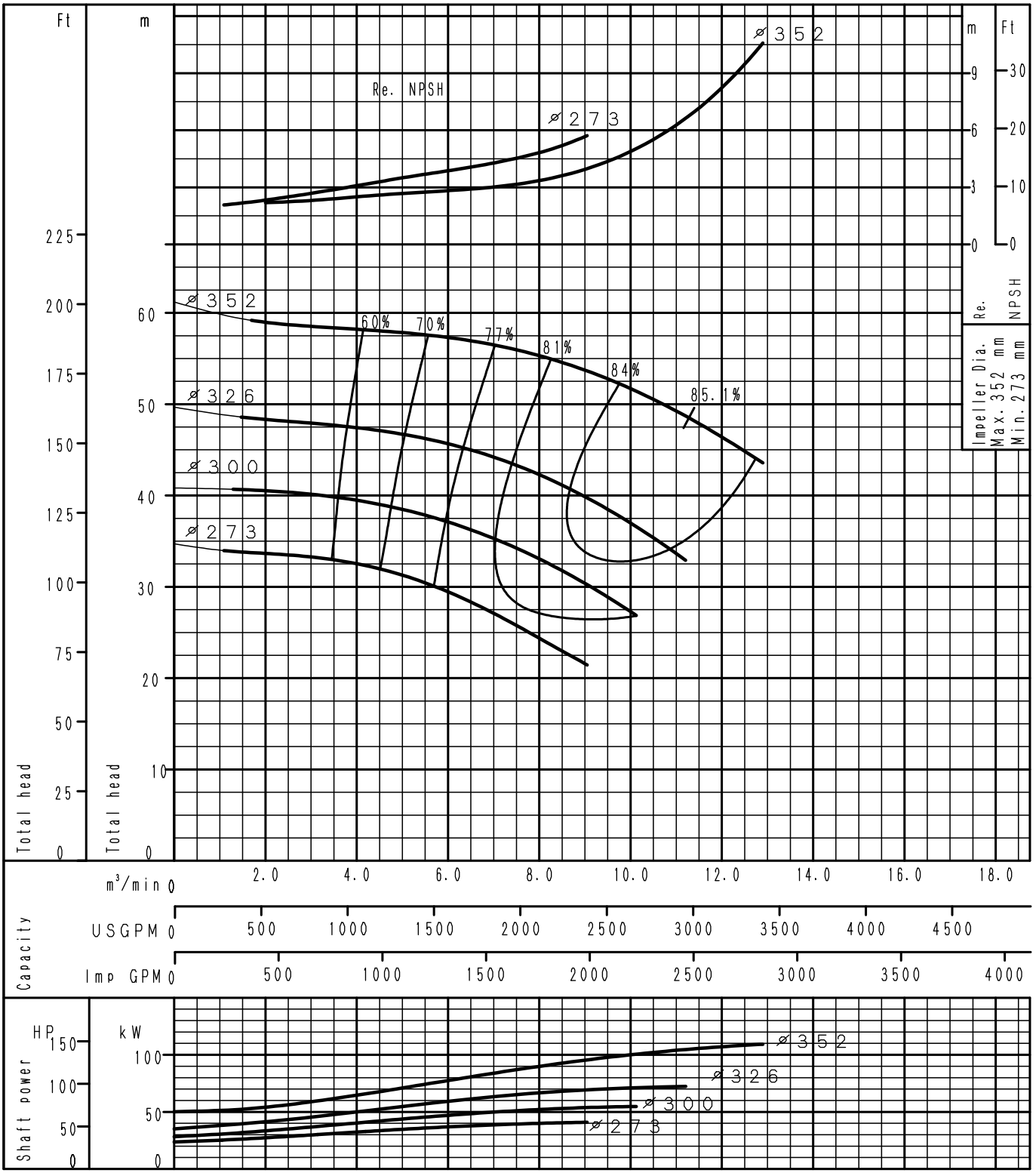
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-315	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731675-00

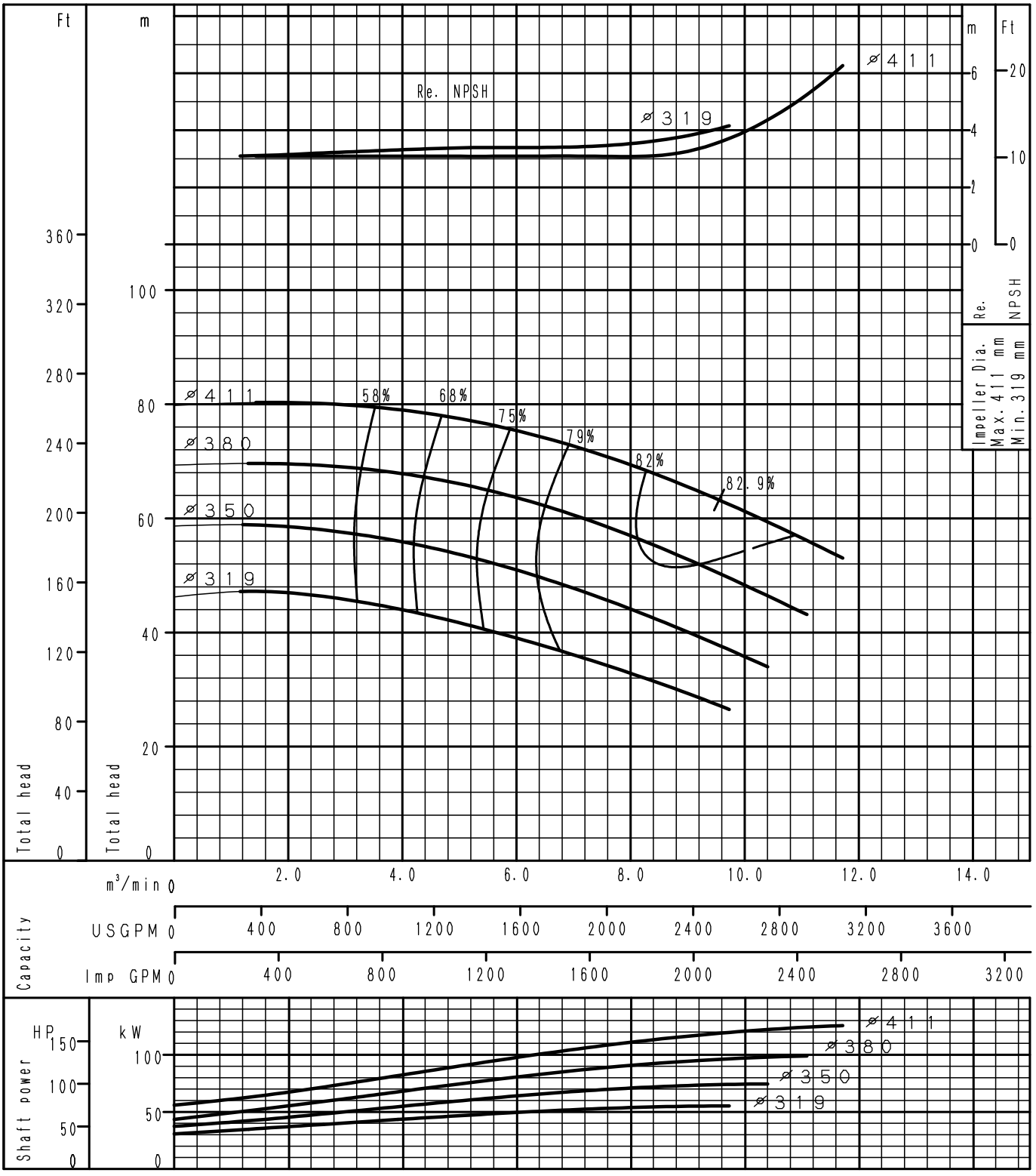
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-400L	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731676-00

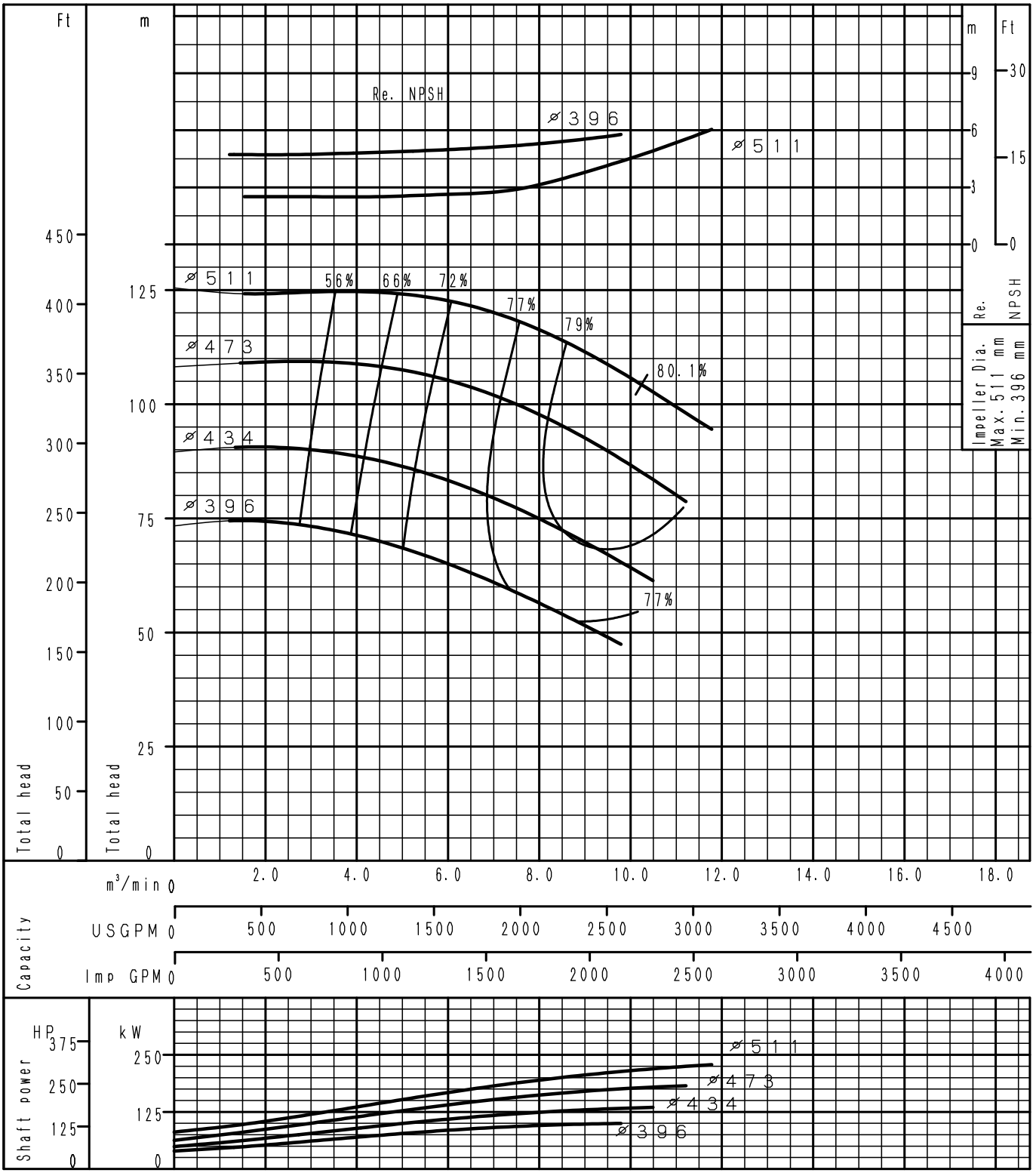
Ebara End Suction Volute Pump

Model **GSS**

Performance Curve

4 Poles

GSS150-500	According to ISO testing code 9906 Grade 3B
60Hz (Speed 1750 min^{-1})	DENSITY= 1.0 kg/ℓ , VISCOSITY= 1.0 mPa·s



EBARA

EBARA CORPORATION

F8-1731677-00

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CN9001-5-150800/1/2000