



POMPE ZANNI®

50Гц

Многоступенчатые центробежные насосы

HM
HMM
HMR
HMV
HMVM



Технический каталог



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Horizontal and vertical multistage centrifugal pumps in ring-section design.

HM - HMM - HMR - HMV - HMVM series

Model code designation

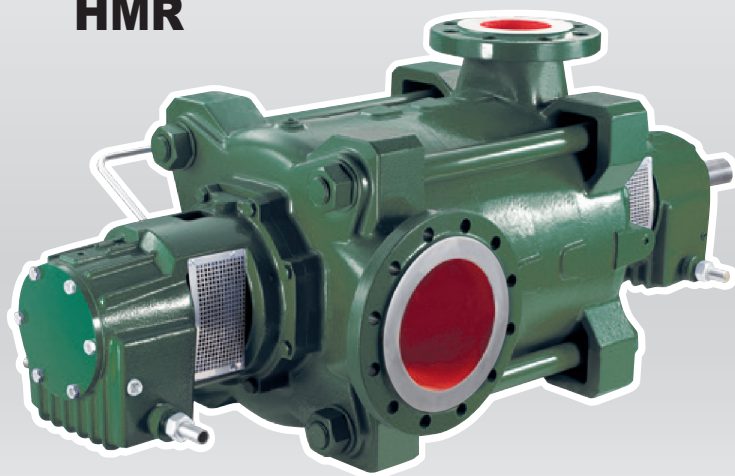
HMR 50. A

Version Design

Discharge diameter
DN (mm)

Series

HM
HMM
HMR



HMV
HMVM





NM - NMM - NMR - NMV - NMVM series

Конструкция

Многоступенчатые центробежные насосы с радиальным поперечным сечением для горизонтальной или вертикальной установки.

Радиальные входные и выходные отверстия вращаются на 90 градусов, со стандартными UNI/DIN фланцами.

Закрытые радиальные рабочие колеса и входная крыльчатка на первой ступени для увеличения NPSH.

Ступени соединены друг с другом через уплотнительные кольца и надежно закреплены мощным болтовым соединением.

Опора осевого усилия

Насосы снабжены двойными опорами с усиленными подшипниками и гидравлическим устройством выравнивания давления. Используется консистентная смазка либо масляные ванны с обеих сторон насоса.

Опоры могут охлаждаться (см варианты конструкции). Радиальная опора, на стороне управления насосом, обеспечивается роликовыми подшипниками.

Осевая опора, на стороне противоположной приводной, обеспечивается использованием усиленных подшипников для увеличения срока службы насоса.

Уплотнение вала

Регулируемая неохлаждаемая мягкая набивка либо механическое уплотнение по DIN 24960 охлаждаемое или неохлаждаемое.

Муфта

Прочное основание с непосредственной гибкой муфтой на входной стороне стороне двигатель-муфта (муфта на выходной стороне доступна по запросу).

Кроме того, насос может быть соединен с двигателем внутреннего сгорания, либо непосредственно, либо опосредованно, через редуктор.

Рабочие характеристики

ПРОИЗВОДИТЕЛЬНОСТЬ (Q): до **800 м³/ч (220 л/сек)**

НАПОР (H): до **1000 м**

РАБОЧЕЕ ДАВЛЕНИЕ (P): до **100 бар**

РАБОЧАЯ ТЕМПЕРАТУРА (T): .. от **-20° С** до **+180° С**

СКОРОСТЬ: до **3600 об/мин**

СТАНДАРТНЫЕ ФЛАНЦЫ: **UNI/DIN**

ВХОДНОЙ ПАТРУБОК: **DN 40-250**
PN 16-25

ВЫХОДНОЙ ПАТРУБОК: **DN 25-150**
PN 64-100

МАКСИМАЛЬНОЕ ВРЕМЯ РАБОТЫ ПРИ ЗАКРЫТОМ ВХОДЕ.

с жидкостью при температуре 90°C: **0 minutes**

с жидкостью при температуре 40°C: **об/мин 1500, 5 мин**
об/мин 3000, 2 мин



HM
HMM
HMR



HMV
HMVM



Pump Type:	HM	HMM	HMR	HMV	HMVM
Gland packing	STANDARD	STANDARD	—	ON REQUEST	ON REQUEST
Mechanical seal	ON REQUEST	ON REQUEST	STANDARD	STANDARD	STANDARD
Grease lubrication	STANDARD	STANDARD	—	STANDARD	STANDARD
Oil lubrication	ON REQUEST	ON REQUEST	STANDARD	—	—
Interchangeables wear rings	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Suction side drive	STANDARD	STANDARD	STANDARD	—	—
Discharge side drive	ON REQUEST	ON REQUEST	ON REQUEST	STANDARD	STANDARD
Rotation clockwise looking from suction side	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
ATEX certification according to european standard 94/9/CE 	ON REQUEST	ON REQUEST	ON REQUEST	ON REQUEST	ON REQUEST

Tollerances on performances according to ISO 9906 - Degree 2, Annex A.

In order to keep its products constantly ahead of technical evolutions, the manufacturer has reserved right, without any prior notification, to modify dimensions and characteristics of the products described in this catalogue.



Type	INOX 25.Z	INOX 25.A	INOX 25.A	INOX 32.A	INOX 32.A	50.A	50.B	50.C	80.A	80.B	80.C	100.A	100.B	100.C	125.A	125.B	125.C	150.A	150.B	150.C	250.A	250.B
MAX. number stage 3000 r.p.m.	20	20	19	13	13	11	10	10	8	8	8	6	6	6	4	4	4	2	2	2	—	—
MAX. number stage 1500 r.p.m.	25	25	25	25	25	20	20	20	18	18	18	16	16	16	12	12	12	10	10	9	8	5
MAX. suction pressure	16 bar																					
MAX. delivery pressure	64 bar																					
MAX. liquid temperature	120° C (90° C - WITH GLAND PAKING)																					
Ball bearing lubrication	GREASE																					
Shaft projection diameter	18		28		32		38		42		55		72		72							
P/n (kW/1') shaft AISI 420	0.0100		0.0475		0.0745		0.135		0.186		0.373		0.745		0.745							
P/n (kW/1') shaft AISI 316	0.0077		0.0365		0.0575		0.104		0.143		0.287		0.573		0.573							
Ball bearing side drive	NU 306		NU 307		NU 308		NU 309		NU 310		NU 314		NU 317		NU 317							
Ball bearing side end drive	3306 x 2		7307 x 2		7308 x 2		7309 x 2		7310 x 2		7314 x 2		7317 x 2		7317 x 2							
			6306		6307		6308		6309		6312		6315		6315							
Gland packing diameter	35		45		50		55		61		75		90		90							
Gland packing section	8 x 8		10 x 10		10 x 10		10 x 10		12 x 12		14 x 14		16 x 16		16 x 16							
No. Gland packing rings	4		5		6		6		5		5		5		5							
Type Gland packing MAX. 25 bar	COTTON GRAPHITE IMPREGNATED BRAIDE																					
Type Gland packing > 25 bar	TEFLON GRAPHITE IMPREGNATED BRAIDE																					
Mechanical seal diameter	32		40		45		50		55		70		85		85							



POMPE ZANNI®

HMM CONSTRUCTION FEATURES

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

Type	INOX 25.Z	INOX 25.A	INOX 25.A	INOX 32.A	INOX 32.A	50.A	50.B	50.C	80.A	80.B	80.C	100.A	100.B	100.C	125.A	125.B	125.C	150.A	150.B	150.C	250.A	250.B
MAX. number stage 3000 r.p.m.	20	20	19	13	13	11	10	10	8	8	8	6	6	6	4	4	4	2	2	2	—	—
MAX. number stage 1500 r.p.m.	25	25	25	25	25	20	20	20	18	18	18	16	16	16	12	12	12	10	10	9	8	5
MAX. suction pressure	16 bar																					
MAX. delivery pressure	64 bar																					
MAX. liquid temperature	140° C (90° C - WITH GLAND PAKING)																					
Ball bearing lubrication	OIL																					
Ball bearing cooling	> 100° C																					
Shaft projection diameter	20		28		32		38		42		55		72		72							
P/n (kW/1') shaft AISI 420	0.0155		0.0475		0.0745		0.135		0.186		0.373		0.745		0.745							
P/n (kW/1') shaft AISI 316	0.0120		0.0365		0.0575		0.104		0.143		0.287		0.573		0.573							
Ball bearing side drive	NU 306		NU 307		NU 308		NU 309		NU 310		NU 314		NU 317		NU 317							
Ball bearing side end drive	7306 x 2		7307 x 2		7308 x 2		7309 x 2		7310 x 2		7314 x 2		7317 x 2		7317 x 2							
Gland packing diameter	35		45		50		55		61		75		90		90							
Gland packing section	8 x 8		10 x 10		10 x 10		10 x 10		12 x 12		14 x 14		16 x 16		16 x 16							
No. Gland packing rings	4		5		6		6		5		5		5		5							
Type Gland packing	TEFLON GRAPHITE IMPREGNATED BRAIDE																					
Mechanical seal diameter	32		40		45		50		55		70		85		85							



Type	INOX 32.A	32.A	50.A	50.B	50.C	80.A	80.B	80.C	100.A	100.B	100.C	125.A	125.B	125.C	150.A	150.B	150.C
MAX. number stage 3000 r.p.m.	20	20	17	16	14	13	13	12	10	10	8	5	5	5	4	4	3
MAX. number stage 1500 r.p.m.	25	25	20	20	20	18	18	18	16	16	16	12	12	12	11	11	10
MAX. suction pressure	25 bar																
MAX. delivery pressure	100 bar																
MAX. liquid temperature	180° C																
Ball bearing lubrication	OIL																
Ball bearing cooling	> 100° C																
Cooling casing	> 140° C																
Shaft projection diameter	28	32		38		42		55		72							
P/n (kW/1') shaft AISI 420	0.0475	0.0745		0.135		0.186		0.373		0.745							
P/n (kW/1') shaft AISI 316	0.0365	0.0575		0.104		0.143		0.287		0.573							
Ball bearing side drive	NU 307	NU 308		NU 309		NU 310		NU 314		NU 317							
Ball bearing side end drive	7307 x 3	7308 x 3		7309 x 3		7310 x 3		7314 x 3		7317 x 2							
Mechanical seal diameter	40	45		50		55		70		85							



Type	INOX 25.Z	INOX 25.A	INOX 25.A	INOX 32.A	INOX 32.A	50.A	50.B	50.C	80.A	80.B	80.C	100.A	100.B	100.C	125.A	125.B	125.C	150.A	150.B	150.C	250.A	250.B
MAX. number stage 3000 r.p.m.	14	14	14	11	11	9	9	9	7	7	7	6	6	6	4	4	4	2	2	2	—	—
MAX. number stage 1500 r.p.m.	14	14	14	11	11	10	10	10	8	8	8	6	6	6	5	5	5	4	4	4	2	2
MAX. suction pressure	16 bar																					
MAX. delivery pressure	64 bar																					
MAX. liquid temperature	100° C																					
Ball bearing lubrication	GREASE																					
Shaft projection diameter	18		22		28		32		38		52		65		65							
P/n (kW/1') shaft AISI 420	0.0100		0.0220		0.0475		0.0745		0.135		0.305		0.542		0.542							
P/n (kW/1') shaft AISI 316	0.0077		0.0169		0.0365		0.0575		0.104		0.235		0.417		0.417							
Ball bearing side drive	3306 x 2		7307 x 2		7308 x 2		7309 x 2		7310 x 2		7314 x 2		7317 x 2		7317 x 2							
Ball bearing side end drive	BRONZE DRIVE BUSH																					
Gland packing diameter	35		45		50		55		61		75		90		90							
Gland packing section	8 x 8		10 x 10		10 x 10		10 x 10		12 x 12		14 x 14		16 x 16		16 x 16							
No. Gland packing rings	4		5		6		6		5		5		5		5							
Type Gland packing MAX. 25 bar	COTTON GRAPHITE IMPREGNATED BRAIDE																					
Type Gland packing > 25 bar	TEFLON GRAPHITE IMPREGNATED BRAIDE																					
Mechanical seal diameter	32		40		45		50		55		70		85		85							



POMPE ZANNI®

HMVM

CONSTRUCTION FEATURES

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

Type	INOX 25.Z	INOX 25.A	INOX 25.A	INOX 32.A	INOX 32.A	50.A	50.B	50.C	80.A	80.B	80.C	100.A	100.B	100.C	125.A	125.B	125.C	150.A	150.B	150.C	250.A	250.B
MAX. number stage 3000 r.p.m.	20	20	19	13	13	11	10	10	8	8	8	6	6	6	4	4	4	2	2	2	–	–
MAX. number stage 1500 r.p.m.	25	25	25	25	25	20	20	20	18	18	18	16	16	16	12	12	12	10	10	9	8	5
MAX. suction pressure	16 bar																					
MAX. delivery pressure	64 bar																					
MAX. liquid temperature	100° C																					
Ball bearing lubrication	GREASE																					
Shaft projection diameter	20		28		32		38		42		55		72		72							
P/n (kW/1') shaft AISI 420	0.0155		0.0475		0.0745		0.135		0.186		0.373		0.745		0.745							
P/n (kW/1') shaft AISI 316	0.0120		0.0365		0.0575		0.104		0.143		0.287		0.573		0.573							
Ball bearing side drive	NU 306		NU 307		NU 308		NU 309		NU 310		NU 314		NU 317		NU 317							
Ball bearing side end drive	7306 x 2		7307 x 2		7308 x 2		7309 x 2		7310 x 2		7314 x 2		7317 x 2		7317 x 2							
			6306		6307		6308		6309		6312		6315		6315							
Mechanical seal diameter	32		40		45		50		55		70		85		85							



Part. N.	Part. name	VARIANTS									
		2_1	2_2	2_3	4	2_4	3	5	6	7	8
	Impeller	DUCTILE IRON	BRONZE		AISI 316		AISI 316	DUPLEX	AISI 904L	WCB	
	Diffuser	DUCTILE IRON		BRONZE	AISI 316		AISI 316	DUPLEX	AISI 904L	WCB	
	Casings	DUCTILE IRON			AISI 316	DUCTILE IRON	WCB	DUPLEX	AISI 904L	DUCTILE IRON	WCB
1130	Suction casing	EN (G GG42) ASTM (A536 : Gr.65-A5-12)			EN (X2CrNiMo1711) ASTM (316)	EN (G GG42) ASTM (A536 : Gr.65-A5-12)	EN (C25) ASTM (A216 : Gr.WCB)	EN (X2CrNiMoN2253) ASTM (S31803)	EN (X1NiCrMoCu25-20-5) ASTM (904L)	EN (G GG42) ASTM (A536 : Gr.65-A5-12)	EN (C25) ASTM (A216 : Gr.WCB)
1140	Discharge casing	EN (G GG42) ASTM (A536 : Gr.65-A5-12)			EN (X2CrNiMo1711) ASTM (316)	EN (G GG42) ASTM (A536 : Gr.65-A5-12)	EN (C25) ASTM (A216 : Gr.WCB)	EN (X2CrNiMoN2253) ASTM (S31803)	EN (X1NiCrMoCu25-20-5) ASTM (904L)	EN (G GG42) ASTM (A536 : Gr.65-A5-12)	EN (C25) ASTM (A216 : Gr.WCB)
1150	Stage casing	EN (G GG42) ASTM (A536 : Gr.65-A5-12)			EN (X2CrNiMo1711) ASTM (316)	EN (G GG42) ASTM (A536 : Gr.65-A5-12)	EN (C25) ASTM (A216 : Gr.WCB)	EN (X2CrNiMoN2253) ASTM (S31803)	EN (X1NiCrMoCu25-20-5) ASTM (904L)	EN (G GG42) ASTM (A536 : Gr.65-A5-12)	EN (C25) ASTM (A216 : Gr.WCB)
1413	Diffuser	EN (G G25) ASTM (A48 : Nr.35)	EN (G Cu Sn 10) ASTM (B584 : C90500)		EN (X2CrNiMo1711) ASTM (316)		EN (X2CrNiMo1711) ASTM (316)	EN (X2CrNiMoN2253) ASTM (S31803)	EN (X1NiCrMoCu25-20-5) ASTM (904L)	EN (C25) ASTM (A216 : Gr.WCB)	
1500 1510	Wear ring	EN (G Cu Sn 10) ASTM (B584 : C90500)			Delrin (T°< 100°C) Feroform (T°>100°C)						
1660	Discharge casing bush	—			Delrin (T°< 100°C) Feroform (T°>100°C)	—	Delrin (T°< 100°C) Feroform (T°>100°C)			—	Delrin (T°< 100°C) Feroform (T°>100°C)
2100	Shaft	EN (X 30 Cr13) ASTM (420)					EN (X 30 Cr13) ASTM (420)	EN (X2CrNiMoN2253) ASTM (S31803)		EN (X 30 Cr13) ASTM (420)	
2200 2210	Impeller	EN (G G25) ASTM (A48 : Nr.35)	EN (G Cu Sn 10) ASTM (B584 : C90500)		EN (X2CrNiMo1711) ASTM (316)		EN (X2CrNiMo1711) ASTM (316)	EN (X2CrNiMoN2253) ASTM (S31803)	EN (X1NiCrMoCu25-20-5) ASTM (409L)	EN (C25) ASTM (A216 : Gr.WCB)	
2450	Shaft sleeve	EN (X 30 Cr13) ASTM (420)			EN (X2CrNiMo1711) ASTM (316)	EN (X 30 Cr13) ASTM (420)	EN (X 30 Cr13) ASTM (420)	EN (X2CrNiMoN2253) ASTM (S31803)		EN (X 30 Cr13) ASTM (420)	
2460	Space sleeve	EN (X 30 Cr13) ASTM (420)					EN (X 30 Cr13) ASTM (420)				
3200	Bearing housing	EN (G G25) ASTM (A48 : Nr.35)					EN (G G25) ASTM (A48 : Nr.35)				
6210	Balance drum	EN (X 30 Cr13) ASTM (420)			EN (X2CrNiMo1711) ASTM (316)	EN (X 30 Cr13) ASTM (420)	EN (X 30 Cr13) ASTM (420)	EN (X2CrNiMoN2253) ASTM (S31803)		EN (X 30 Cr13) ASTM (420)	

MATERIALS	MATERIAL REFERENCE	EN	ASTM
Cast iron	0.6025	G G25	A48 : Nr. 35
Ductile cast iron	0.7040	G GG42	A536 : Gr. 65-A5-12
Bronze	2.1050	G Cu Sn 10	B584 : C90500
Carbon steel	1.0619	C25	A216 : Gr. WCB
Carbon stainless steel Cr	1.4028	X 30 Cr13	420
Stainless steel chromium, nickel	1.4057	X17CrNi162	431
Stainless steel chromium, nickel, molybdenum	1.4401	X2CrNiMo1711	316
Duplex stainless steel	1.4462	X2CrNiMoN2253	S31803

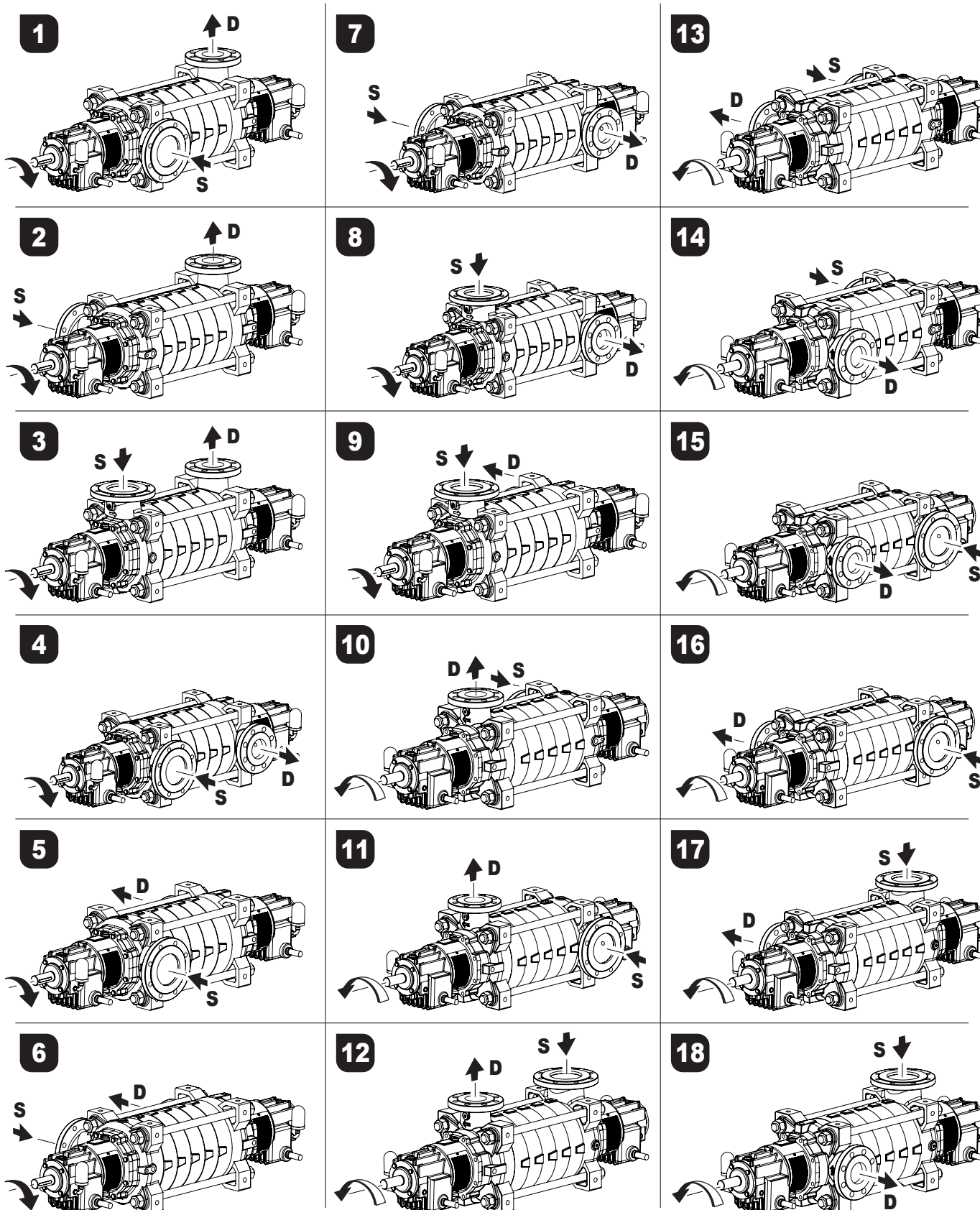


HM HMM HMR HMV HMVM	For No. stage					For stainless steel impellers
	1	2	3	4	5	
25	—	4	3	2	1	—
32	—	4	3	2	1	—
50	4	2	1	0	0	8
80	4	2	1	0	0	6
100	2	1	0	0	0	6
125	2	1	0	0	0	5
150	2	1	0	0	0	4



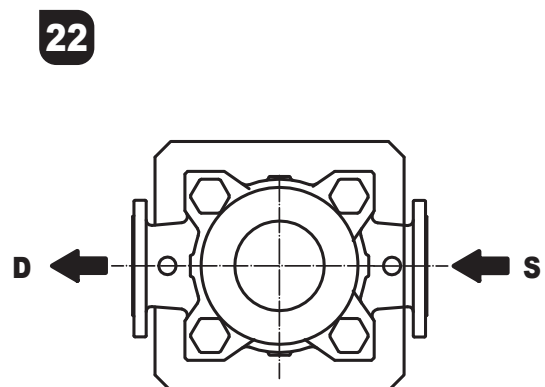
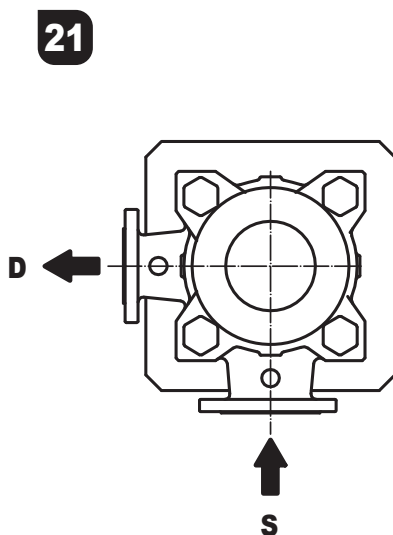
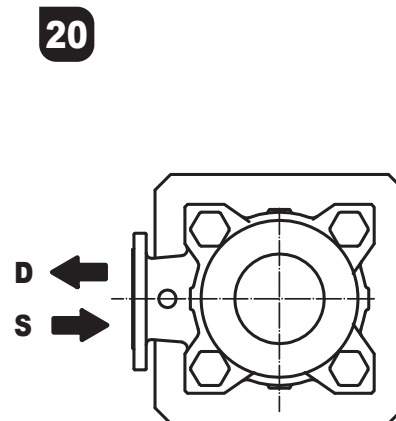
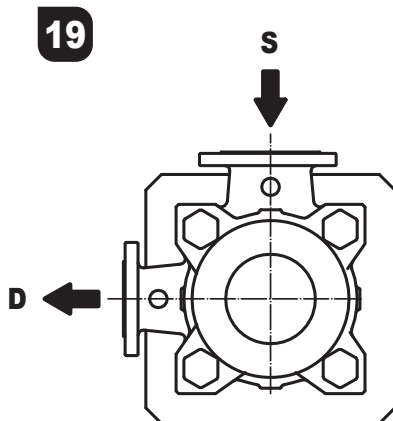
Direction of nozzles orizontal pumps

S = suction port
D = delivery port



Direction of nozzles vertical pumps

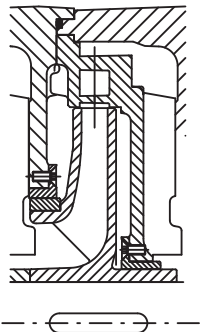
S = suction port
D = delivery port





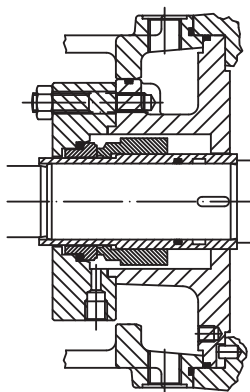
HM - HMM - HMR

A



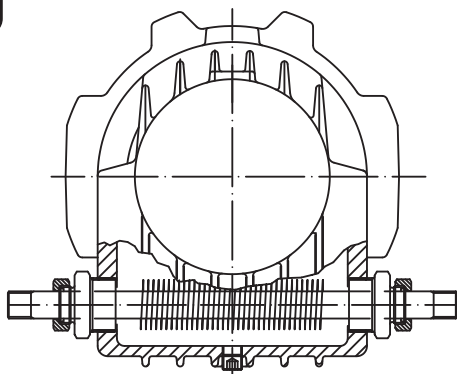
Possible wear rings:
single or double on casings,
impellers and diffusers

B



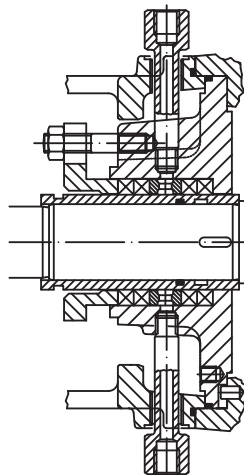
Mechanical seal
with coal chamber

C



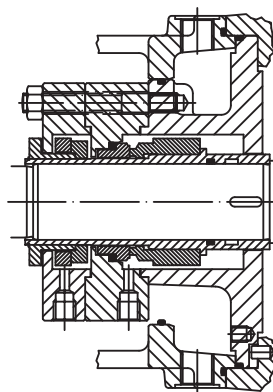
Oil bearing water cooling

D



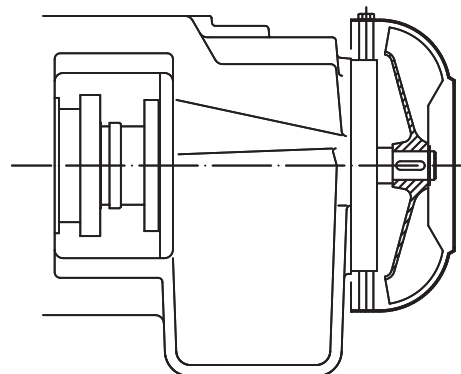
Gland packing cooling

E



Double mechanical seal
with coal chamber

F

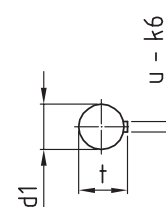
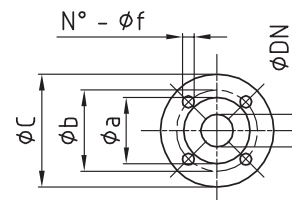
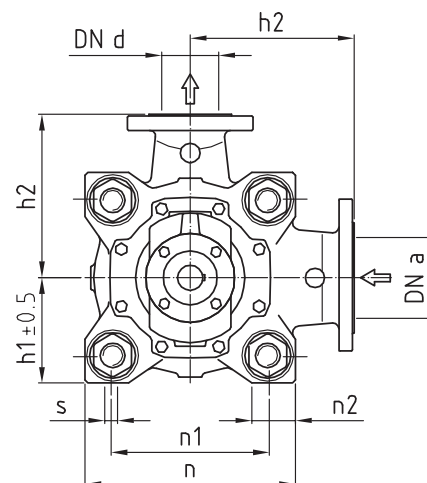
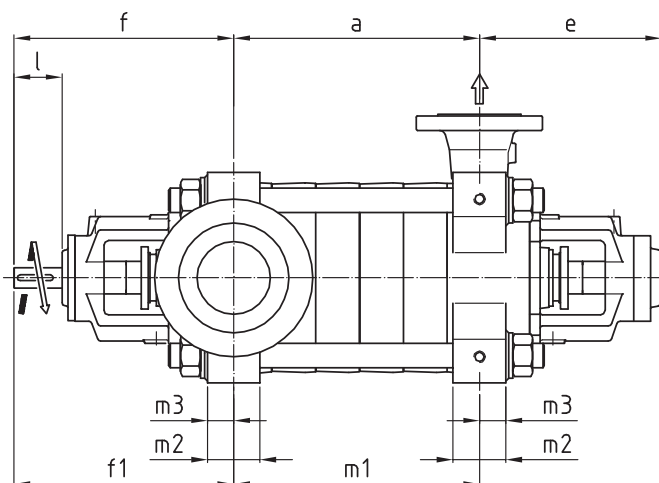


Oil bearing fan cooling



Overall Dimenions in mm

grease lubrication



Type	Suction flange UNI-DIN PN16						Discharge flange UNI-DIN PN64					
	DNa	a	b	C	N°	f	DNp	a	b	C	N°	f
25	40	88	110	150	4	18	25	65	100	140	4	18
32	50	102	125	165	4	18	32	75	110	155	4	22
50	80	138	160	200	8	18	50	95	135	180	4	22
80	125	188	210	250	8	18	80	130	170	215	8	22
100	150	212	240	285	8	22	100	160	200	250	8	25
125	200	268	295	340	12	22	125	185	240	295	8	30
150	250	320	355	405	12	25	150	215	280	345	8	33
250	300	370	410	460	12	28	250	345	400	470	12	36

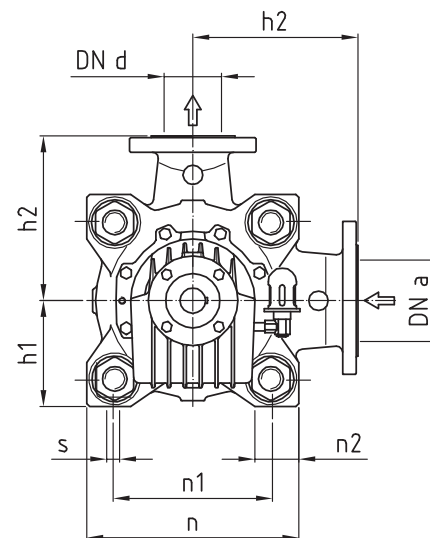
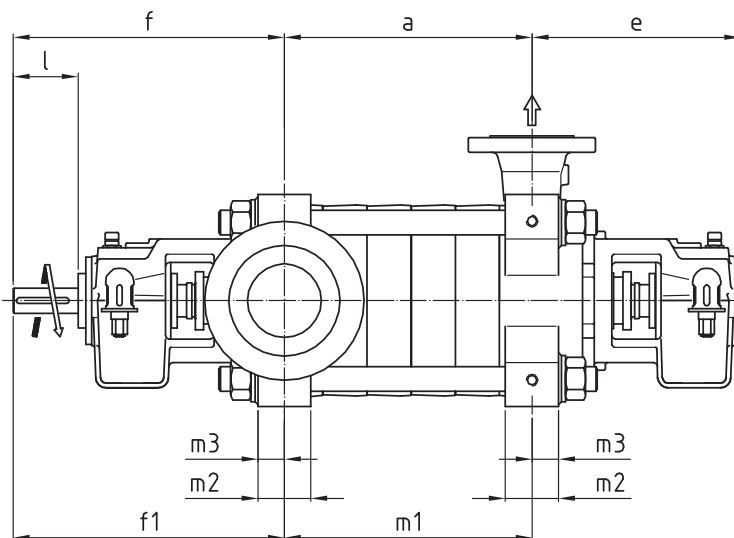
Type	Pump dimension					Feet dimension							Shaft end			
	e	f	f1	h1	h2	m2	m3	n	n1	n2	s		d1	l	t	u
25	192	239,5	239,5	120	160	38	19	240	186	50	M12		18	52	20,5	6
32	297	300	300	140	200	50	25	280	210	65	M16		28	60	31	8
50	323	340	340	155	225	55	27,5	301	240	65	M16		32	80	35	10
80	344	360	360	175	250	65	32,5	350	270	75	M20		38	80	41	10
100	373	410	410	205	315	75	37,5	410	300	90	M20		42	110	45	12
125	451	514,5	514,5	255	350	95	47,5	510	400	110	M24		55	130	59	16
150	515	552,5	552,5	305	420	120	60	610	460	140	M27		70	140	74,5	20
250	535	580	580	415	550	135	73/90	830	590	265	M42		70	155	74,5	20

Type		Number of stages																								
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	a m1	100	145	190	235	280	325	370	415	460	505	550	595	640	685	730	775	820	865	910	955	1000	1045	1090	1135	
32	a m1	125	180	235	290	345	400	455	510	565	620	675	730	785	840	895	950	1005	1060	1115	1170	1225	1280	1335	1390	
50	a m1	152	214	276	338	400	462	524	586	648	710	772	834	896	958	1020	1082	1144	1206	1268						
80	a m1	195	270	345	420	495	570	645	720	795	870	945	1020	1095	1170	1245	1320	1395								
100	a m1	235	325	415	505	595	685	775	865	955	1045	1135	1225	1315	1405	1495										
125	a m1	295	405	515	625	735	845	955	1065	1175	1285	1395														
150	a m1	370	505	640	775	910	1045	1180	1315	1450																
250	a m1	505	700	895	1090	1285	1480	1675																		

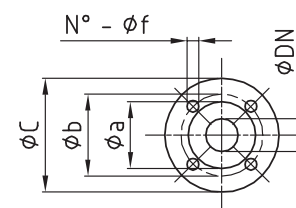


Overall Dimenions in mm

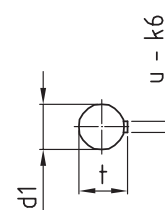
oil lubrication



Type	Suction flange UNI-DIN PN16						Discharge flange UNI-DIN PN64					
	DNa	a	b	C	N°	f	DNp	a	b	C	N°	f
32	50	102	125	165	4	18	32	75	110	155	4	22
50	80	138	160	200	8	18	50	95	135	180	4	22
80	125	188	210	250	8	18	80	130	170	215	8	22
100	150	212	240	285	8	22	100	160	200	250	8	25
125	200	268	295	340	12	22	125	185	240	295	8	30
150	250	320	355	405	12	25	150	215	280	345	8	33
250	300	370	410	460	12	28	250	345	400	470	12	36



Type	Pump dimension					Feet dimension						Shaft end			
	e	f	f1	h1	h2	m2	m3	n	n1	n2	s	d1	l	t	u
25	223	270,5	270,5	120	160	38	19	240	186	50	M12	20	58	22,5	6
32	354	404	404	140	200	50	25	280	210	65	M16	28	60	31	8
50	379	449	449	155	225	55	27,5	310	240	65	M16	32	80	35	10
80	399	473	473	175	250	65	32,5	350	270	75	M20	38	80	41	10
100	428	528	528	205	315	75	37,5	410	300	90	M20	42	110	45	12
125	513	644	644	255	350	95	47,5	510	400	110	M24	55	130	59	16
150	508	629,5	629,5	305	420	120	60	610	460	140	M27	70	140	74,5	20
250	528	649,5	649,5	415	550	135	73/90	830	590	265	M42	70	151,5	74,5	20

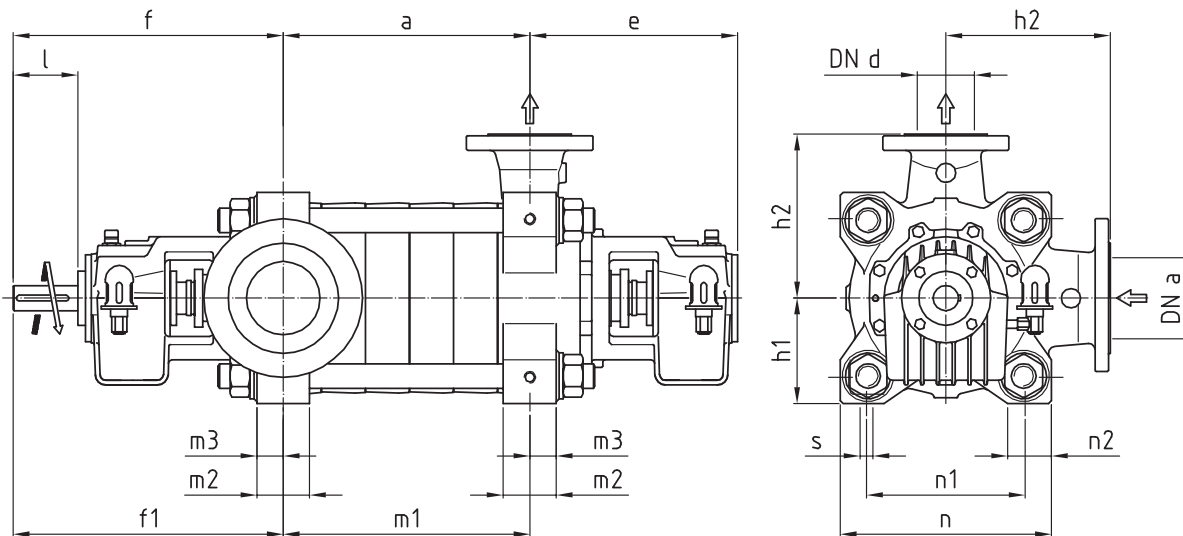


Type		Number of stages																								
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	a ml a m1	100	145	190	235	280	325	370	415	460	505	550	595	640	685	730	775	820	865	910	955	1000	1045	1090	1135	
32	a m1	125	180	235	290	345	400	455	510	565	620	675	730	785	840	895	950	1005	1060	1115	1170	1225	1280	1335	1390	
50	a m1	152	214	276	338	400	462	524	586	648	710	772	834	896	958	1020	1082	1144	1206	1268						
80	a m1	195	270	345	420	495	570	645	720	795	870	945	1020	1095	1170	1245	1320	1395								
100	a m1	235	325	415	505	595	685	775	865	955	1045	1135	1225	1315	1405	1495										
125	a m1	295	405	515	625	735	845	955	1065	1175	1285	1395														
150	a m1	370	505	640	775	910	1045	1180	1315	1450																
250	a m1	505	700	895	1090	1285	1480	1675																		

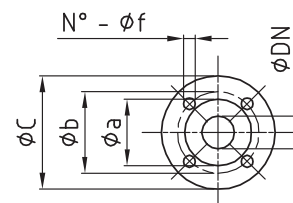


Overall Dimenions in mm

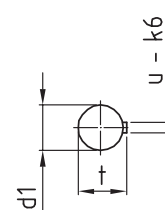
oil lubrication



Type	Suction flange UNI-DIN PN25						Discharge flange UNI-DIN PN100					
	DNa	a	b	C	N°	f	DNp	a	b	C	N°	f
32	50	102	125	165	4	18	32	75	110	155	4	22
50	80	138	160	200	8	18	50	95	145	195	4	25
80	125	188	220	270	8	25	80	130	180	230	8	25
100	150	218	250	300	8	25	100	160	210	265	8	30
125	200	278	310	360	12	25	125	185	250	315	8	33
150	250	355	370	425	12	30	150	215	290	355	12	33



Type	Pump dimension					Feet dimension						Shaft end			
	e	f	f1	h1	h2	m2	m3	n	n1	n2	s	d1	l	t	u
32	354	404	404	140	200	50	25	280	210	65	M16	28	60	31	8
50	379	449	449	155	225	55	27,5	310	240	65	M16	32	80	35	10
80	399	473	473	175	250	65	32,5	350	270	75	M20	38	80	41	10
100	428	528	528	205	315	75	37,5	410	300	90	M20	42	110	45	12
125	513	644	644	255	350	95	47,5	510	400	110	M24	55	130	59	16
150	508	629,5	629,5	305	420	120	60	610	460	140	M27	70	140	74,5	20



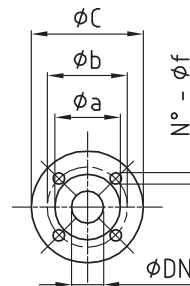
Type		Number of stages																								
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
32	a m1	125	180	235	290	345	400	455	510	565	620	675	730	785	840	895	950	1005	1060	1115	1170	1225	1280	1335	1390	
50	a m1	152	214	276	338	400	462	524	586	648	710	772	834	896	958	1020	1082	1144	1206	1268						
80	a m1	195	270	345	420	495	570	645	720	795	870	945	1020	1095	1170	1245	1320	1395								
100	a m1	235	325	415	505	595	685	775	865	955	1045	1135	1225	1315	1405	1495										
125	a m1	295	405	515	625	735	845	955	1065	1175	1285	1395														
150	a m1	370	505	640	775	910	1045	1180	1315	1450	1585															



Overall Dimensions in mm

H = Total dimensions

Motor size		Motor dimensions			
Size	Poles	Ød1	Ød2	I	L
100	2...8	250	28	60	325
112	2...8	250	28	60	345
132	2...8	300	38	80	430
160	2...8	350	42	110	550
180	2...8	350	48	110	630
200	2...8	400	55	110	660
225	2	450	55	110	705
	4...8		60	140	
250	2	550	60	140	770
	4...8		65	140	
280	2	550	65	140	850
	4...8		75	140	
315	2	660	65	140	1155
	4...8		80	170	
355	2	800	75	140	1360
	4...8		100	210	

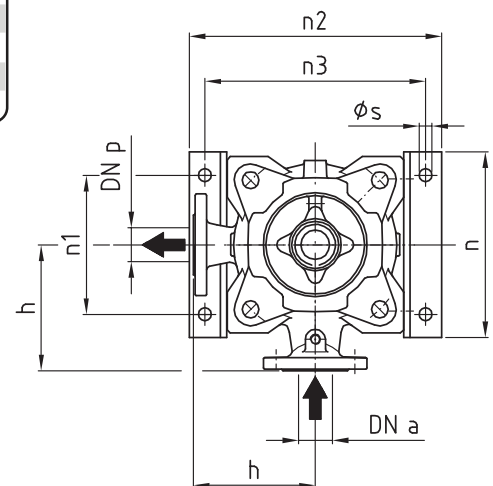
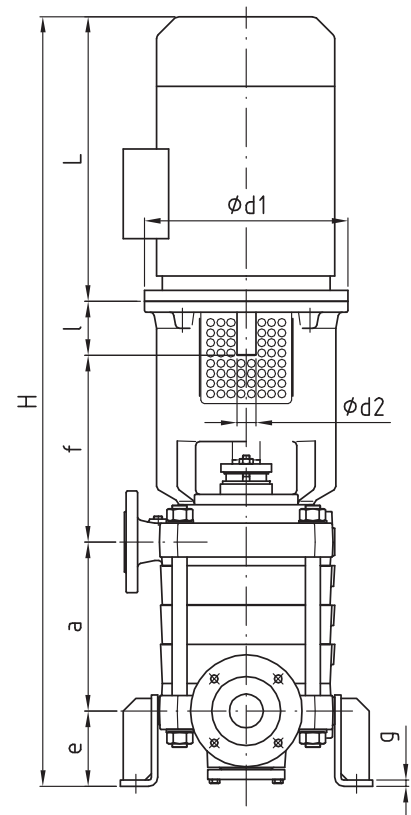


Type	Suction flange UNI-DIN PN16						Discharge flange UNI-DIN PN64					
	DNa	a	b	C	N°	f	DNp	a	b	C	N°	f
25	40	88	110	150	4	18	25	65	100	140	4	18
32	50	102	125	165	4	18	32	75	110	155	4	22
50	80	138	160	200	8	18	50	95	135	180	4	22
80	125	188	210	250	8	18	80	130	170	215	8	22
100	150	212	240	285	8	22	100	160	200	250	8	25
125	200	268	295	340	12	22	125	185	240	295	8	30
150	250	320	355	405	12	25	150	215	280	345	8	33

Type	Pump dimension			Feet dimension					
	e	f	h	g	n	n1	n2	n3	s
25	110	250	160	6	260	210	360	310	17
32	120	365	200	6	300	250	400	350	17
50	135	400	225	6	350	300	450	400	20
80	160	420	250	10	400	340	500	440	23
100	170	470	315	10	450	390	600	540	23
125	250	590	350	10	550	480	700	630	27
150	270	665	420	10	650	580	850	780	27

Type	Number of stages													
	2	3	4	5	6	7	8	9	10	11	12	13	14	
25	a	100	145	190	235	280	325	370	415	460	505	550	595	640
32	a	125	180	235	290	345	400	455	510	565	620			
50	a	152	214	276	338	400	462	524	586	648				
80	a	195	270	345	420	495	570	645						
100	a	235	325	415	505	595								
125	a	295	405	515	625									

grease lubrication

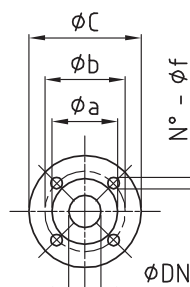




Overall Dimensions in mm

H = Total dimensions

Motor size		Motor dimensions			
Size	Poles	Ød1	Ød2	I	L
100	2...8	250	28	60	325
112	2...8	250	28	60	345
132	2...8	300	38	80	430
160	2...8	350	42	110	550
180	2...8	350	48	110	630
200	2...8	400	55	110	660
225	2	450	55	110	705
	4...8		60	140	
250	2	550	60	140	770
	4...8		65	140	
280	2	550	65	140	850
	4...8		75	140	
315	2	660	65	140	1155
	4...8		80	170	
355	2	800	75	140	1360
	4...8		100	210	

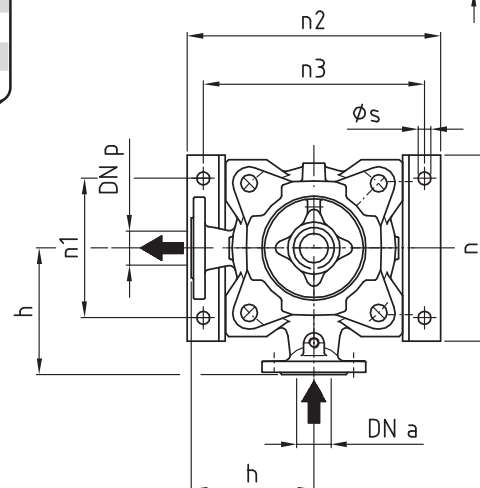
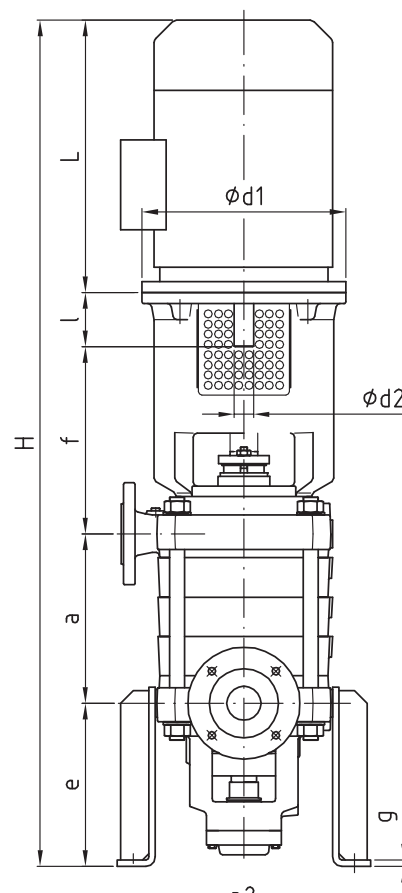


Type	Suction flange UNI-DIN PN16						Discharge flange UNI-DIN PN64					
	DNa	a	b	C	N°	f	DNp	a	b	C	N°	f
25	40	88	110	150	4	18	25	65	100	140	4	18
32	50	102	125	165	4	18	32	75	110	155	4	22
50	80	138	160	200	8	18	50	95	135	180	4	22
80	125	188	210	250	8	18	80	130	170	215	8	22
100	150	212	240	285	8	22	100	160	200	250	8	25
125	200	268	295	340	12	22	125	185	240	295	8	30
150	250	320	355	405	12	25	150	215	280	345	8	33

Type	Pump dimension			Feet dimension					
	e	f	h	g	n	n1	n2	n3	s
25	200	250	160	6	260	210	360	310	17
32	270	365	200	6	300	250	400	350	17
50	300	400	225	6	350	300	450	400	20
80	320	420	250	10	400	340	500	440	23
100	350	470	315	10	450	390	600	540	23
125	430	590	350	10	550	480	700	630	27
150	470	665	420	10	650	580	850	780	27

Type	Number of stages																								
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	a	100	145	190	235	280	325	370	415	460	505	550	595	640	685	730	775	820	865	910	955	1000	1045	1090	1135
32	a	125	180	235	290	345	400	455	510	565	620	675	730	785	840	895	950	1005	1060	1115	1170	1225	1280	1335	1390
50	a	152	214	276	338	400	462	524	586	648	710	772	834	896	958	1020	1082	1144	1206	1268					
80	a	195	270	345	420	495	570	645	720	795	870	945	1020	1095	1170	1245									
100	a	235	325	415	505	595	685	775	865	955	1045	1135	1225	1315	1405	1495									
125	a	295	405	515	625	735	845	955	1065	1175	1285	1395													
150	a	370	505	640	775	910	1045	1180	1315	1450															

grease lubrication





Weights in kg

GREASE LUBRICATION

Type	Number of stages																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
HM 25	39	48	57	66	75	84	93	102	111	120	129	138	147	156	165	174	183	192	201	210	219	228	237	246	255
HM 32	72	87	102	117	132	147	162	177	192	207	222	237	252	267	282	297	312	327	342	357	372	387	402	417	432
HM 50	99	118	137	156	175	194	213	232	251	270	289	308	327	346	365	384	403	422	441	460					
HM 80	137	166	195	224	253	282	311	340	369	398	427	456	485	514	543	572	601	630							
HM 100	241	286	331	376	421	466	511	556	601	646	691	736	781	826	871	916									
HM 125	401	482	563	644	725	806	887	968	1049	1130	1211	1292													
HM 150	720	856	992	1128	1264	1400	1536	1672	1808	1944															
HM 250	1247	1563	1879	2195	2511	2827	3143	3459	3775	4091	4407	4723													



OIL LUBRICATION

HMM / HMR 25	44	53	62	71	80	89	98	107	116	125	134	143	152	161	170	179	188	197	206	215	224	233	242	251	260
HMM / HMR 32	93	108	123	138	153	168	183	198	213	228	243	258	273	288	303	318	333	348	363	378	393	408	423	438	453
HMM / HMR 50	129	148	167	186	205	224	243	262	281	300	319	338	357	376	395	414	433	452	471	490					
HMM / HMR 80	191	220	249	278	307	336	365	394	423	452	481	510	539	568	597	626	655	684							
HMM / HMR 100	281	326	371	416	461	506	551	596	641	686	731	776	821	866	911	956									
HMM / HMR 125	486	567	648	729	810	891	972	1053	1134	1215	1296	1377													
HMM / HMR 150	969	1105	1241	1377	1513	1649	1785	1921	2057	2193	2329														
HMM 250	1249	1565	1881	2197	2513	2829	3145	3461	3777	4093	4409	4725													



HMV 25	42	51	60	69	78	87	96	105	114	123	132	141	150	159											
HMV 32	108	123	138	153	168	183	198	213	228	243	258														
HMV 50	151	170	189	208	227	246	265	284	303	322															
HMV 80	158	187	216	245	274	303	332	361																	
HMV 100	332	377	422	467	512	557																			
HMV 125	514	595	676	757	838																				
HMV 150	918	1054	1190	1326																					
HMV 250	1447	1763																							



HMVM 25	51	60	69	78	87	96	105	114	123	132	141	150	159	168	177	186	195	204	213	222	231	240	249	258	267
HMVM 32	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
HMVM 50	165	184	203	222	241	260	279	298	317	336	355	374	393	412	431	450	469	488	507	526					
HMVM 80	176	205	234	263	292	321	350	379	408	437	466	495	524	553	582	611	640	669							
HMVM 100	359	404	449	494	539	584	629	674	719	764	809	854	899	944	989	1034									
HMVM 125	550	631	712	793	874	955	1036	1117	1198	1279	1360	1441													
HMVM 150	978	1114	1250	1386	1522	1658	1794	1930	2066	2202															
HMVM 250	1449	1765	2081	2397	2713	3029	3345	3661	3977	4293	4609	4925													





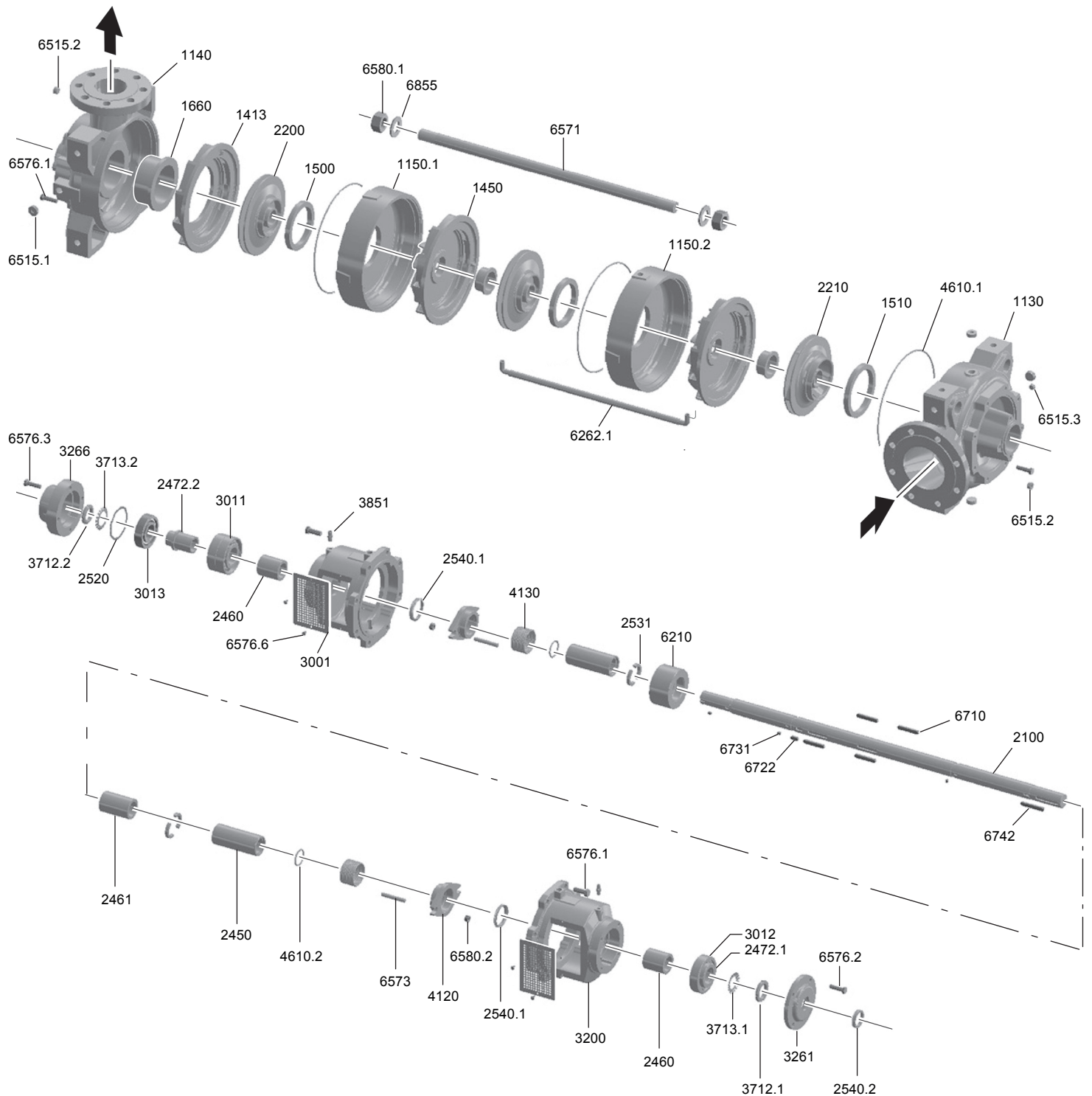
POMPE ZANNI®

HM 32-50-80-100

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

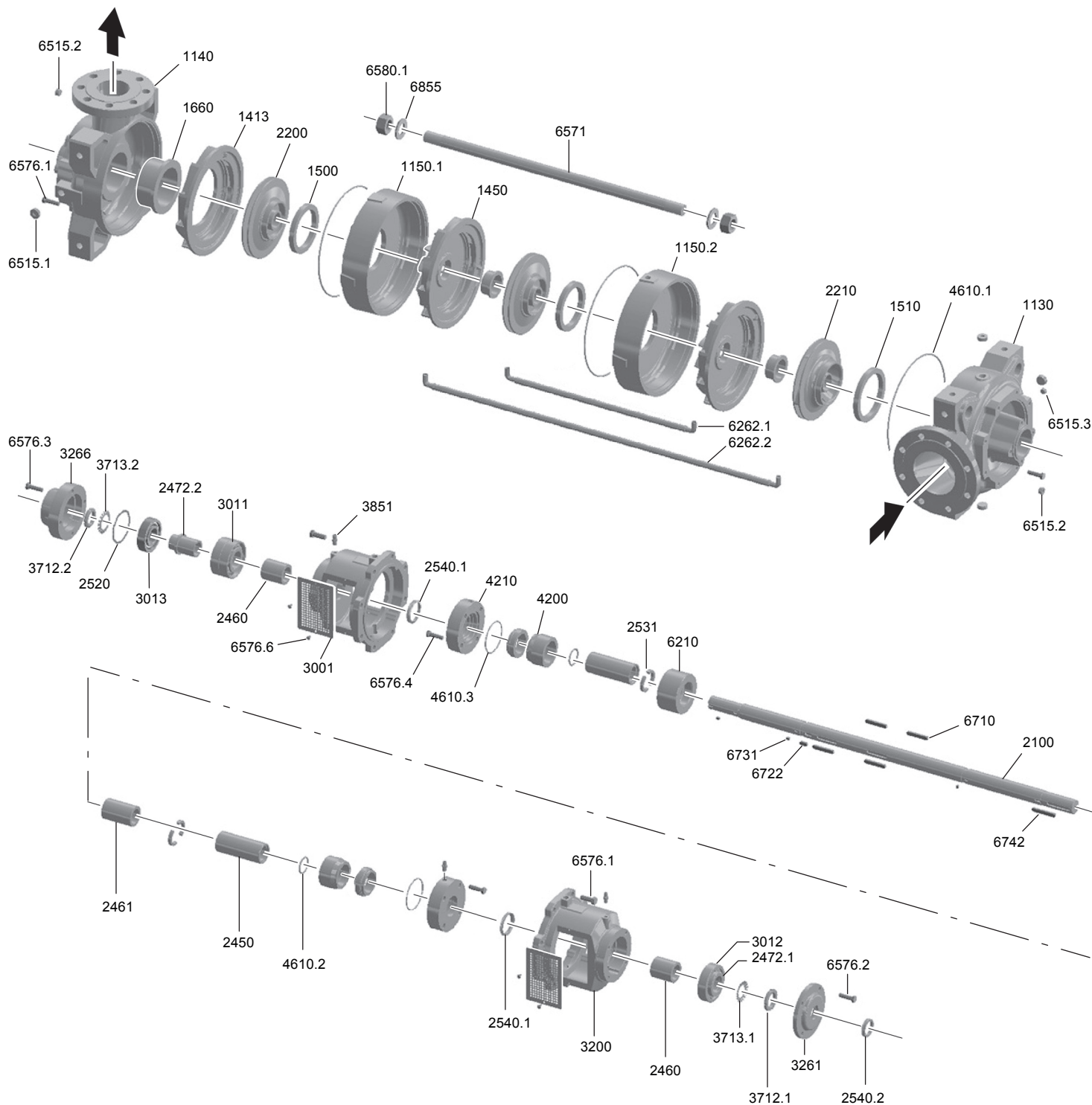
grease lubrication

gland packing



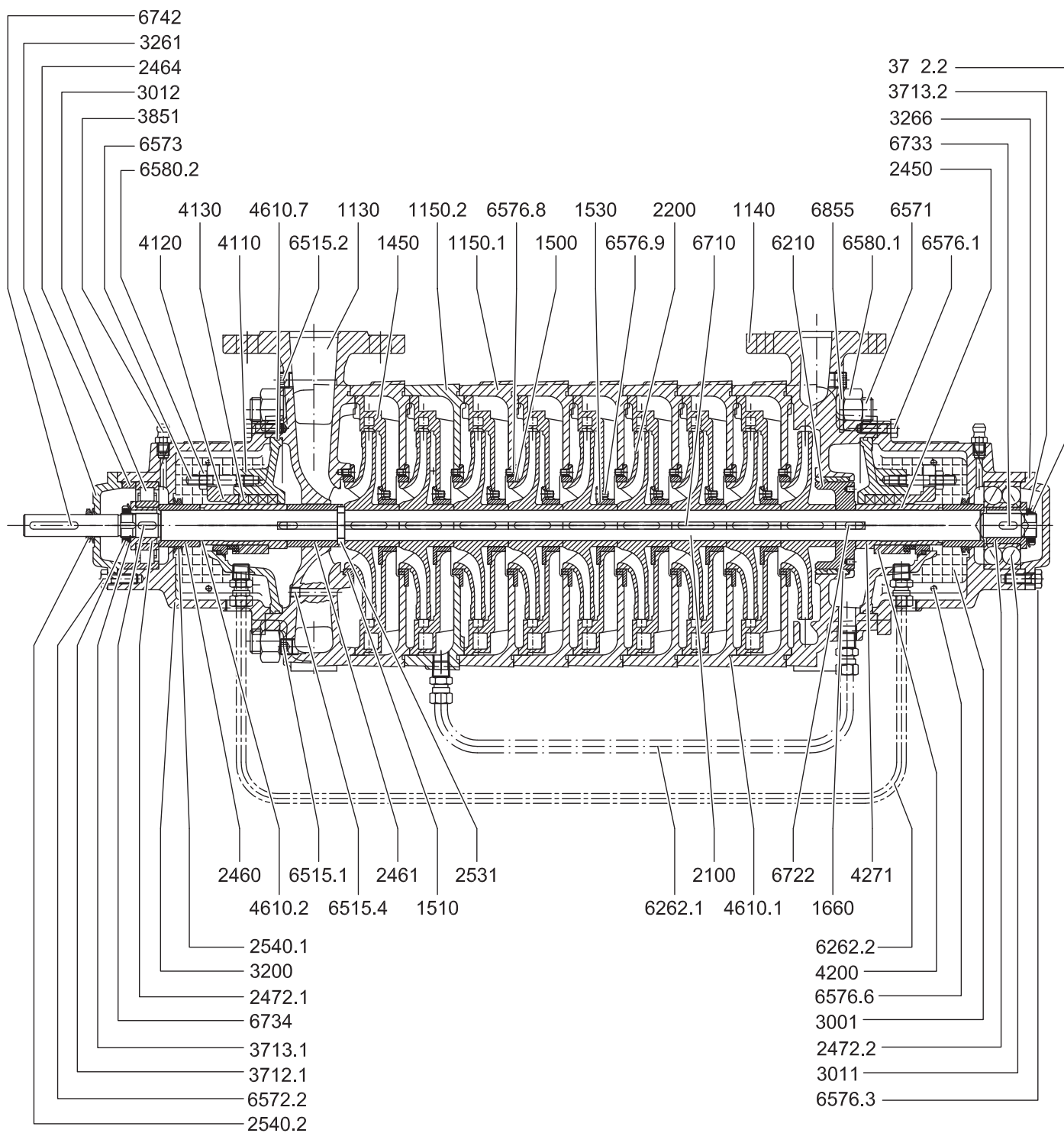
grease lubrication

mechanical seal





grease lubrication



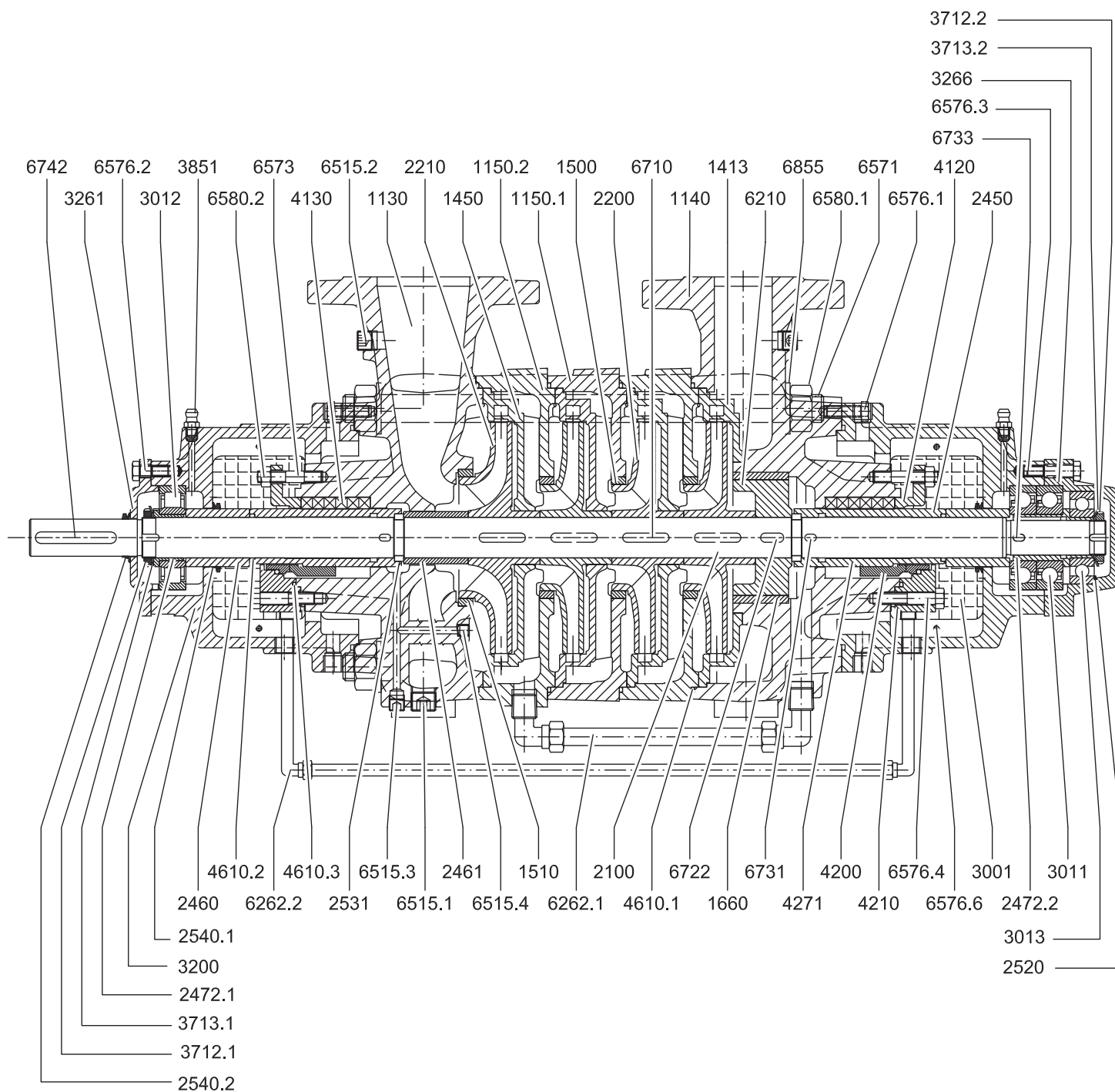


POMPE ZANNI®

HM 32-50-80-100-125-150

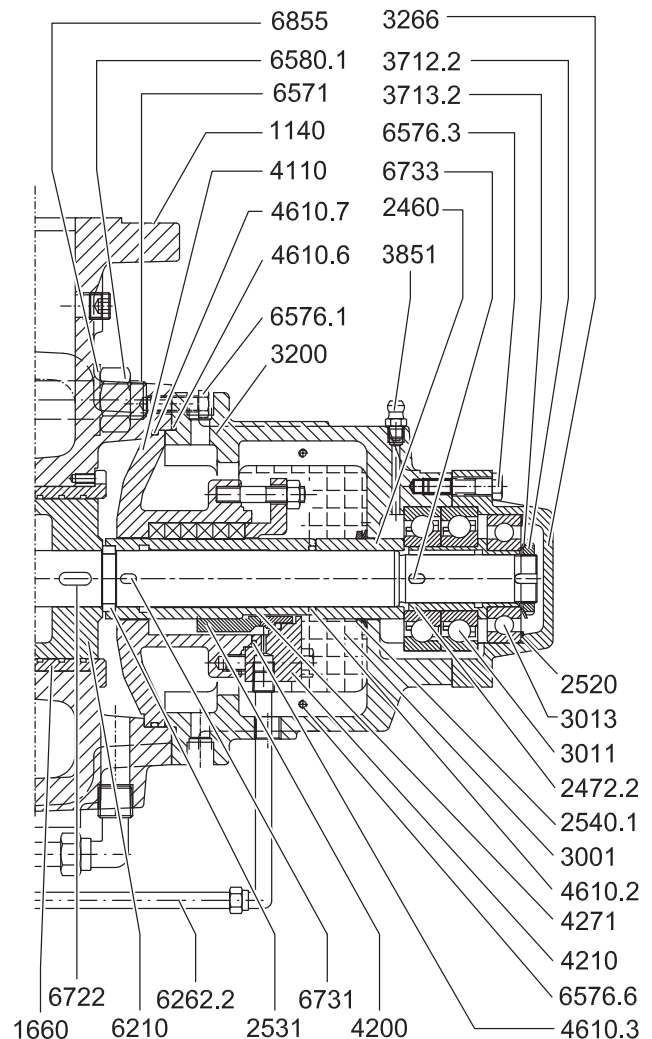
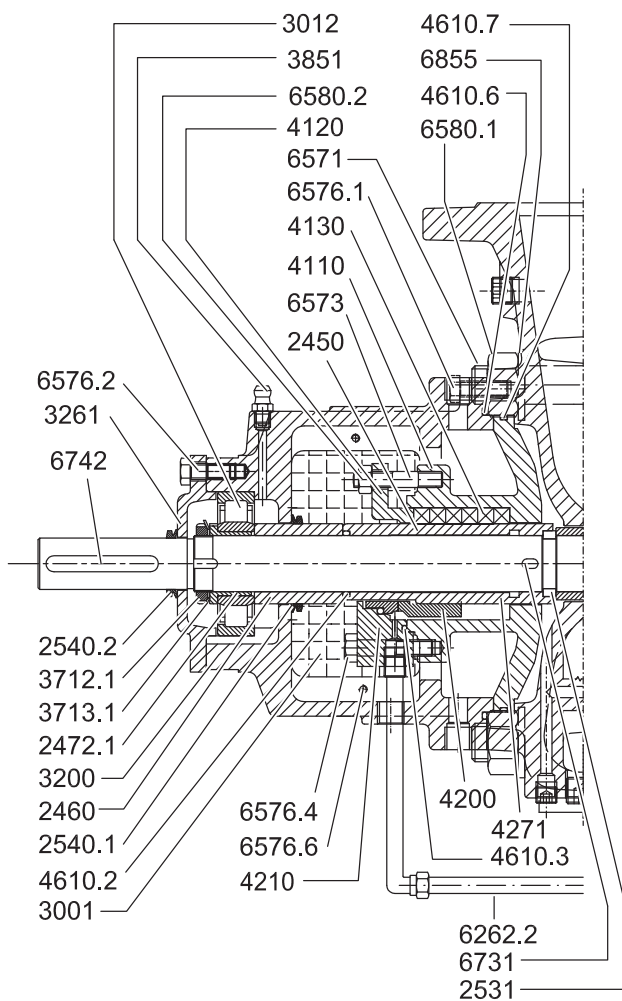
50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

grease lubrication





grease lubrication



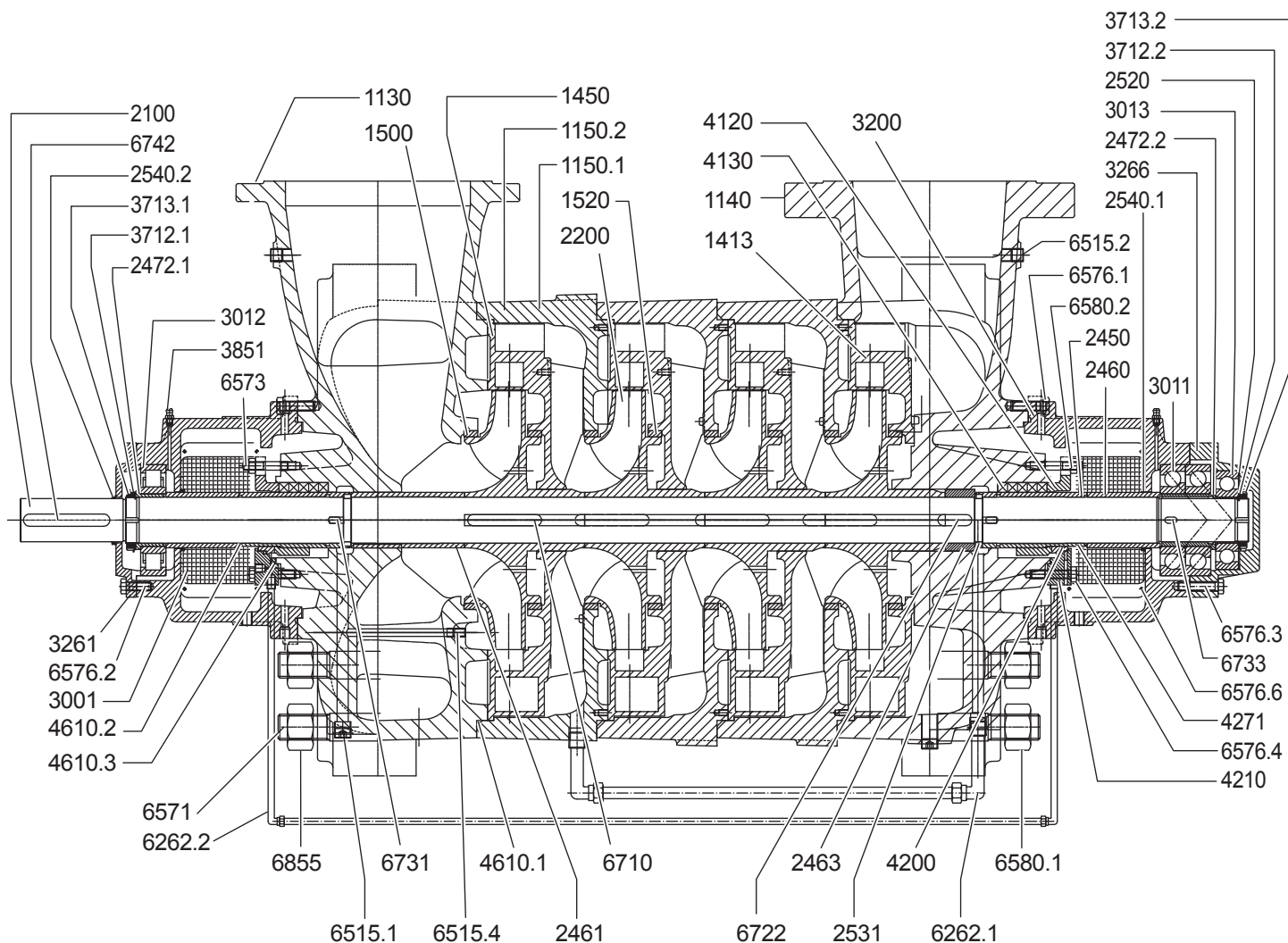
HM 25-32-50-80-100-125-150

grease lubrication

1130	Suction casing	2472.1	Shaft sleeve bearing	4120	Gland	6571	Tie bolt
1140	Discharge casing	2472.2	Shaft sleeve bearing	4130	Gland paking	6573	Gland tie
1150.1	Stage casing	253	Retaing ring aplit	4200	Mechanical seal	6576.1	Screw
1150.2	Stage casing	2540.1	Trower	4210	Flange mechanical seal	6576.2	Screw
1413	Diffuser last stage	2540.2	Trower			6576.3	Screw Screw
1450	Diffuser	3001	Safety net	4271	Shaft sleeve m. seal	6576.4	Screw
1500	Wear ring impeller	3011	Radial ball bearing	4610.1	O-Ring	6576.6	Screw
1510	Wear ring impeller	3012	Radial roller bearing	4610.2	O-Ring	6576.8	Screw
1530	Wear ring diffuser	3013	Radial ball bearing	4610.3	O-Ring	6576.9	Screw
1660	Discharge casing bush	3200	Bearing housing	4610.6	O-Ring	6580.1	Nut
2100	Shaft	3261	Bearing cover drive size	4610.7	O-Ring	6580.2	Nut
2200	Impeller	3266	Bearing end cover	6210	Balance disc	6710	Key for impeller
2210	Impeller suction stage	3712.1	Bearing nut	6262.1	Pressure discharge	6722	Key for balance disc
2520	Shoulder ring	3712.2	Bearing nut	6262.2	Mechanical seal pipe	6731	Key for shaft sleeve
2450	Shaft sleeve	3713.1	Lockwasher	6515.1	Plug	6733	Key for shaft sleeve
2460	Space sleeve	3713.2	Lockwasher	6515.2	Plug	6734	Key for shaft sleeve
2461	Space sleeve	3851	Grease cup	6515.3	Plug	6742	Key for coupling
2464	Space sleeve	4110	Seal box	6515.4	Plug	6855	Washer



grease lubrication



HM 250

grease lubrication

1130	Suction casing	2472.1	Shaft sleeve bearing	3713.2	Lockwasher	6571	Tie bolt
1140	Discharge casing	2472.2	Shaft sleeve bearing	3851	Grease cup	6573	Gland tie
1150.1	Stage casing	2520	Shoulder ring	4120	Gland	6576.1	Screw
1150.2	Stage casing	2531	Retaining ring split	4130	Gland packing	6576.2	Screw
1413	Diffuser last stage	2540.1	Trower	4200	Mechanical seal	6576.3	Screw Screw
1450	Diffuser	2540.2	Trower	4210	Flange mechanical seal	6576.4	Screw
1500	Wear ring impeller	3001	Safety net	4271	Shaft sleeve m. seal	6576.6	Screw
1510	Wear ring impeller	3011	Radial ball bearing	4610.1	O-Ring	6580.1	Nut
1520	Wear ring impeller	3012	Radial roller bearing	4610.2	O-Ring	6580.2	Nut
1660	Discharge casing bush	3013	Radial ball bearing	4610.3	O-Ring	6710	Key for impeller
2100	Shaft	3200	Bearing housing	6262.1	Pressure discharge	6722	Key for balance disc
2200	Impeller	3261	Bearing cover drive size	6262.2	Mechanical seal pipe	6731	Key for shaft sleeve
2450	Shaft sleeve	3266	Bearing end cover	6515.1	Plug	6733	Key for shaft sleeve
2460	Space sleeve	3712.1	Bearing nut	6515.2	Plug	6742	Key for coupling
2461	Space sleeve	3712.2	Bearing nut	6515.4	Plug	6855	Washer
2463	Space sleeve	3713.1	Lockwasher				

gland packing





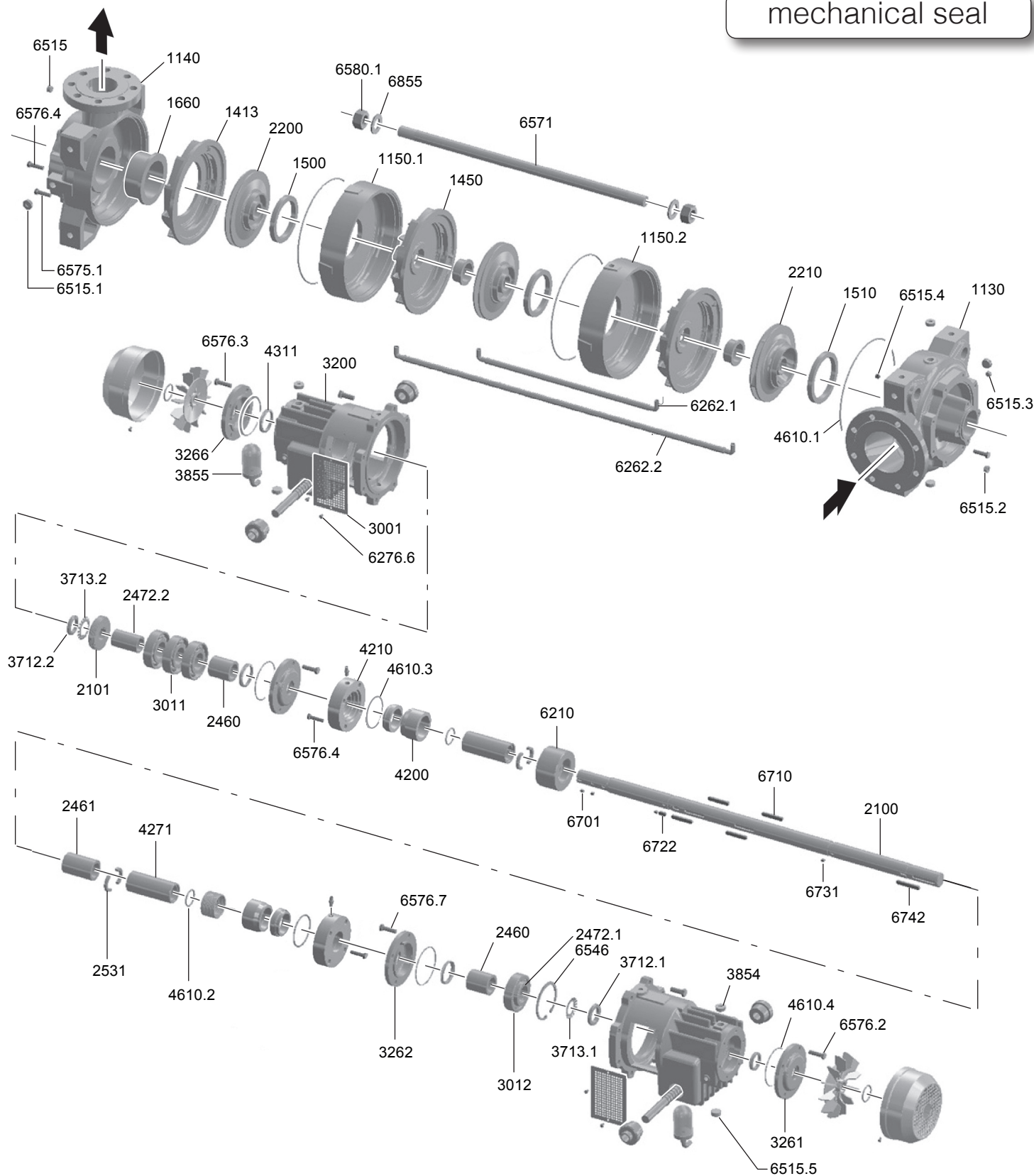
POMPE ZANNI®

HMM 32-50-80-100

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

oil lubrication

mechanical seal



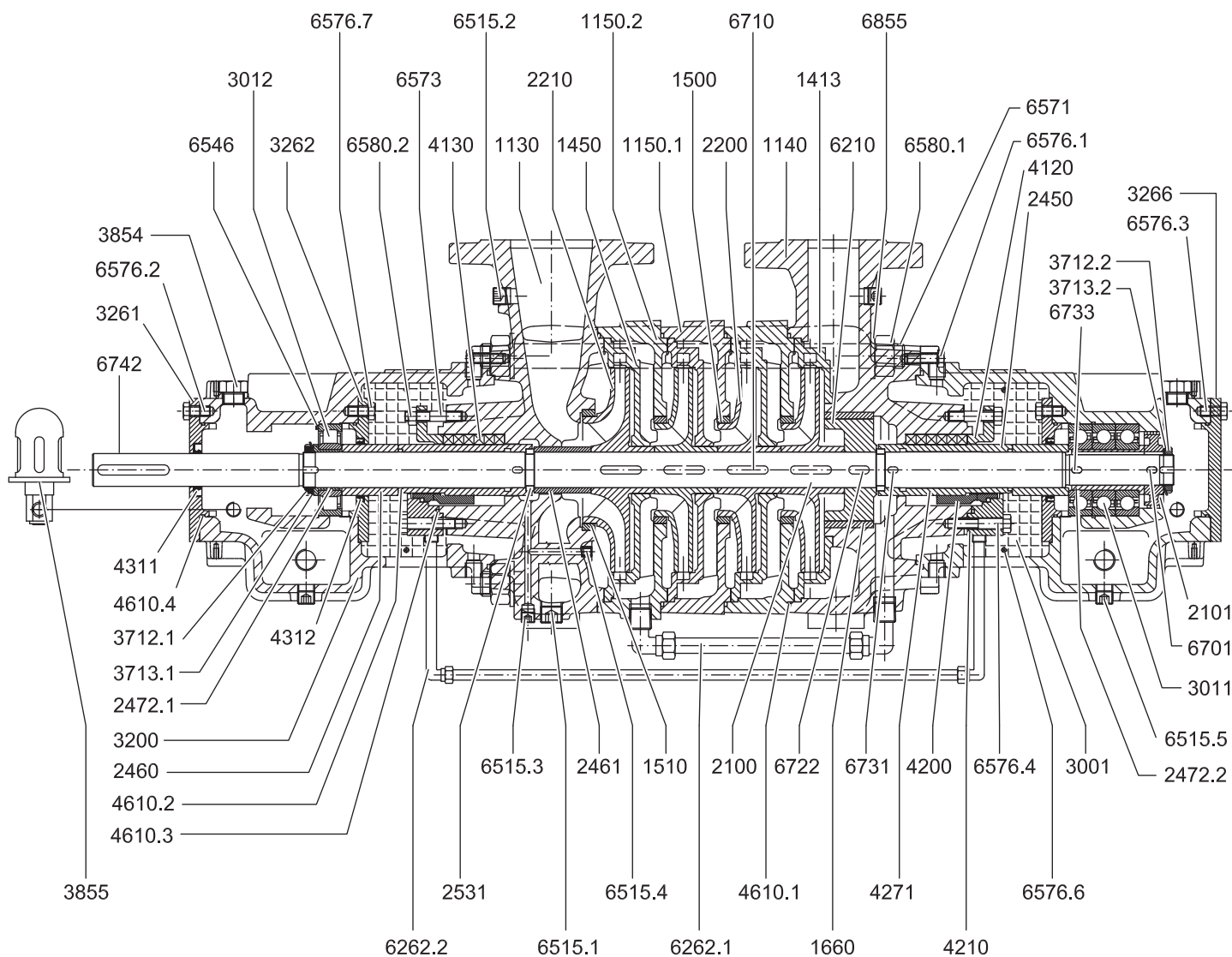


POMPE ZANNI®

HMM 32-50-80-100-125-150

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

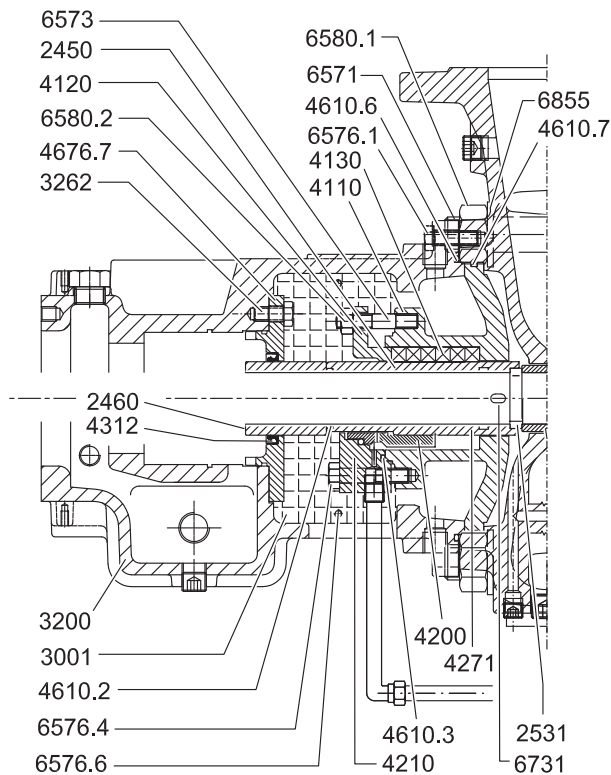
oil lubrication



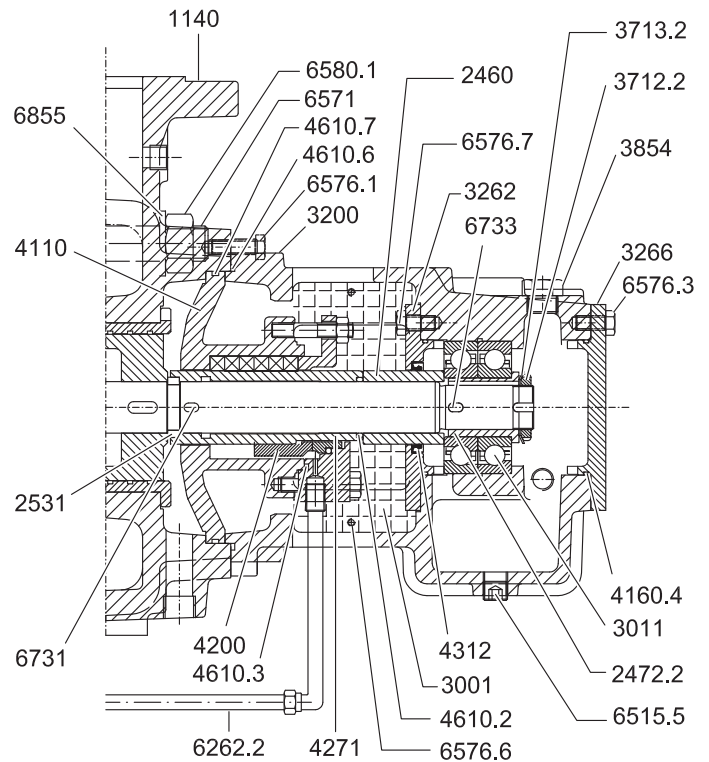


HMM 125 - Suction and pressure side

HMM 150 - Not thrust bearing side



HMM 150 - Thrust bearing side



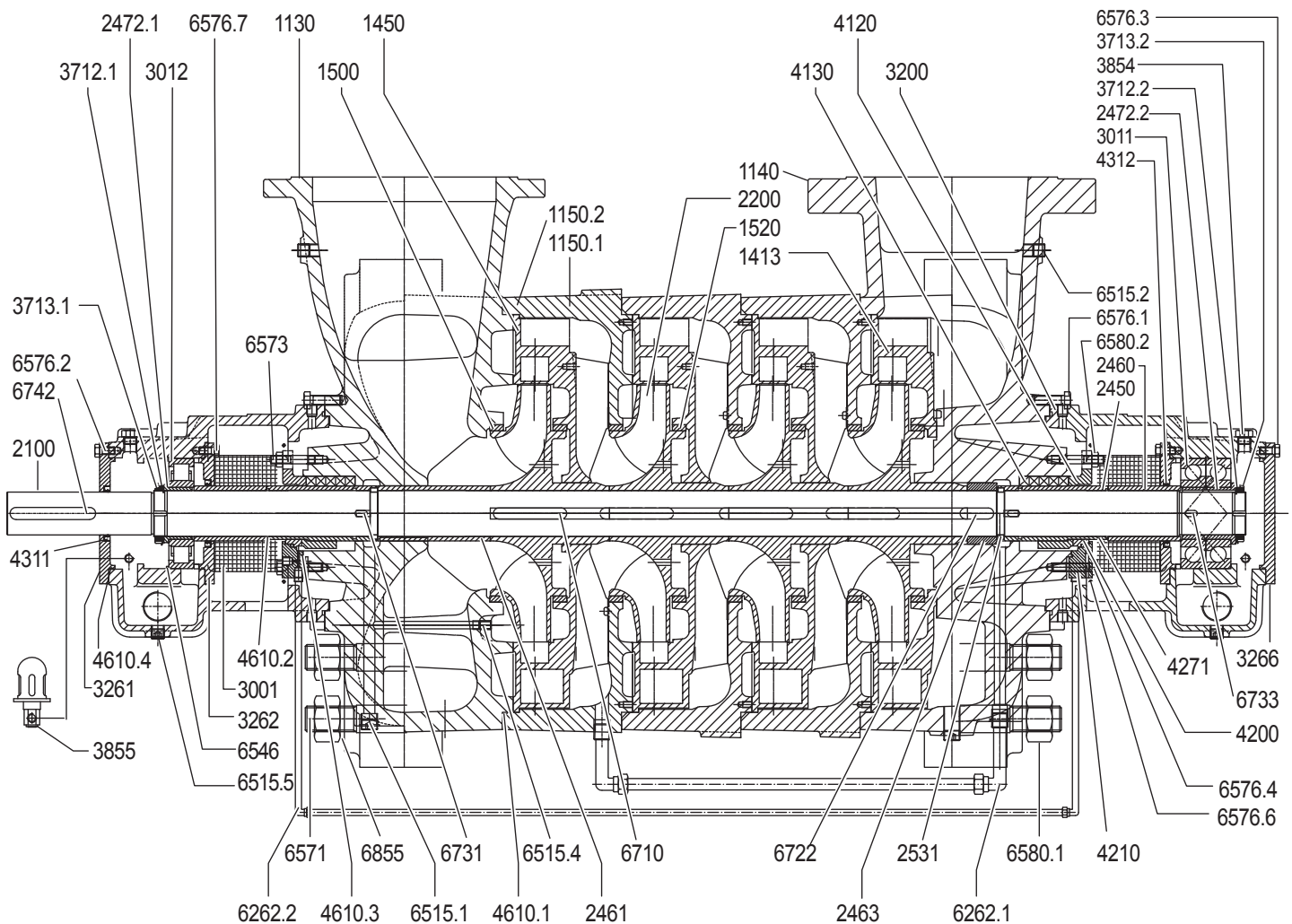
HMM 32-50-80-100-125-150

oil lubrication

1130	Suction casing	2531	Retaing ring aplit	4210	Flange mechanical seal	6546	Seeger
1140	Discharge casing	3001	Safety net	4271	Shaft sleeve m. seal	6571	Tie bolt
1150.1	Stage casing	3011	Radial ball bearing	4311	Radial shaft seal	6573	Gland tie
1150.2	Stage casing	3012	Radial roller bearing	4312	Radial shaft seal	6576.1	Screw
1413	Diffuser last stage	3200	Bearing housing	4610.1	O-Ring	6576.2	Screw
1450	Diffuser	3261	Bearing cover drive size	4610.2	O-Ring	6576.3	Screw
1500	Wear ring impeller	3262	Bearing cover pump size	4610.3	O-Ring	6576.4	Screw
1510	Wear ring impeller	3266	Bearing end cover	4610.4	O-Ring	6576.6	Screw
1660	Discharge casing bush	3712.1	Bearing nut	4610.6	O-Ring	6576.6	Screw
2100	Shaft	3712.2	Bearing nut	4610.7	O-Ring	6580.1	Nut
2101	Oil curculator	3713.1	Lockwasher	6210	Balance disc	6580.2	Nut
2200	Impeller	3713.2	Lockwasher	6262.1	Pressure discharge	6701	Key for circulator
2210	Impeller suction stage	3854	Oil liller plug	6262.2	Mechanical seal pipe	6710	Key for impeller
2450	Shaft sleeve	3855	Costant oil lever	6515.1	Plug	6722	Key for balance disc
2460	Space sleeve	4110	Seal box	6515.2	Plug	6731	Key for shaft sleeve
2461	Space sleeve	4120	Gland	6515.3	Plug	6733	Key for shaft sleeve
2472.1	Shaft sleeve bearing	4130	Gland paking	6515.4	Plug	6742	Key for coupling
2472.2	Shaft sleeve bearing	4200	Mechanical seal	6515.5	Plug	6855	Washer



oil lubrication



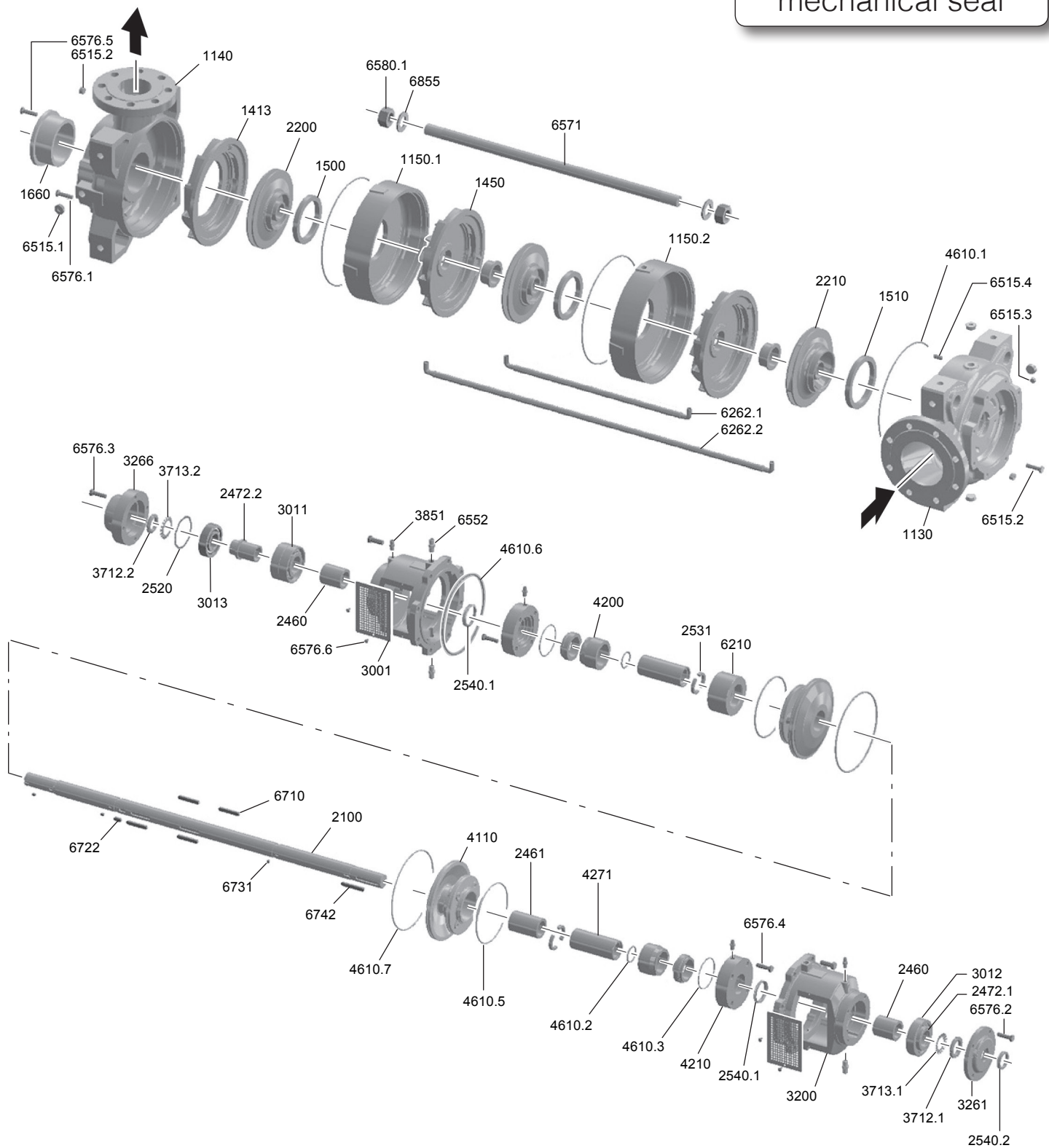
HMM 250

oil lubrication

1130	Suction casing	3001	Safety net	4271	Shaft sleeve m. seal	6576.3	Screw Screw
1140	Discharge casing	3011	Radial ball bearing	4311	Radial shaft seal	6576.4	Screw
1150.1	Stage casing	3012	Radial roller bearing	4312	Radial shaft seal	6576.6	Screw
1150.2	Stage casing	3200	Bearing housing	4610.1	O-Ring	6576.7	Screw
1413	Diffuser last stage	3261	Bearing cover drive size	4610.2	O-Ring	6580.1	Nut
1450	Diffuser	3262	Bearing cover pump size	4610.3	O-Ring	6580.2	Nut
1500	Wear ring impeller	3266	Bearing end cover	4610.4	O-Ring	6710	Key for impeller
1510	Wear ring impeller	3712.1	Bearing nut	6262.1	Pressure discharge	6722	Key for balance disc
1520	Wear ring impeller	3712.2	Bearing nut	6262.2	Mechanical seal pipe	6731	Key for shaft sleeve
2100	Shaft	3713.1	Lockwasher	6515.1	Plug	6733	Key for shaft sleeve
2200	Impeller	3713.2	Lockwasher	6515.2	Plug	6742	Key for coupling
2450	Shaft sleeve	3854	Oil liller plug	6515.4	Plug	6855	Washer
2460	Space sleeve	3855	Costant oil lever	6515.5	Plug		
2461	Space sleeve	4110	Mechanical seal box	6546	Seeger		
2463	Space sleeve	4120	Gland	6571	Tie bolt		
2472.1	Shaft sleeve bearing	4130	Gland packing	6573	Gland tie		
2472.2	Shaft sleeve bearing	4200	Mechanical seal	6576.1	Screw		
2531	Retaining ring aplit	4210	Flange mechanical seal	6576.2	Screw		

grease lubrication

mechanical seal



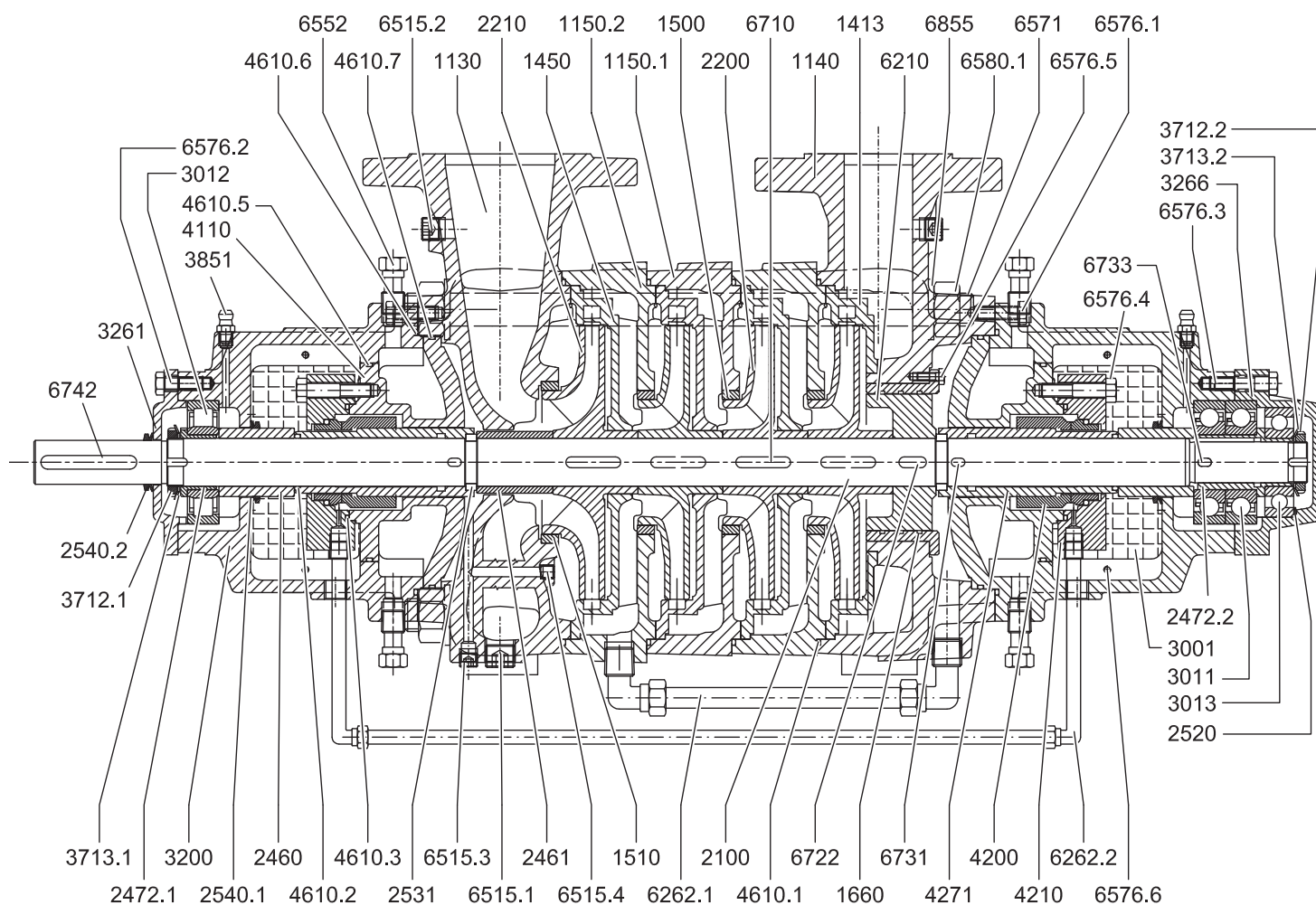


POMPE ZANNI®

HMR 32-50-80-100-125-150

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

grease lubrication



HMR 32-50-80-100-125-150

grease lubrication

1130	Suction casing	2540.1	Trower	4610.1	O-Ring	6576.4	Screw
1140	Discharge casing	2540.2	Trower	4610.2	O-Ring	6576.5	Screw
1150.1	Stage casing	3001	Safety net	4610.3	O-Ring	6576.6	Screw
1150.2	Stage casing	3011	Radial ball bearing	4610.5	O-Ring	6580.1	Nut
1413	Diffuser last stage	3012	Radial roller bearing	4610.6	O-Ring	6710	Key for impeller
1450	Diffuser	3013	Radial ball bearing	4610.7	O-Ring	6722	Key for balance disc
1500	Wear ring impeller	3200	Bearing housing	6210	Balance disc	6731	Key for shaft sleeve
1510	Wear ring impeller	3261	Bearing cover drive size	6262.1	Pressure discharge	6733	Key for shaft sleeve
1660	Discharge casing bush	3266	Bearing end cover	6262.2	Mechanical seal pipe	6742	Key for coupling
2100	Shaft	3712.1	Bearing nut	6515.1	Plug	6855	Washer
2200	Impeller	3712.2	Bearing nut	6515.2	Plug		
2210	Impeller suction stage	3713.1	Lockwasher	6515.3	Plug		
2520	Shoulder ring	3713.2	Lockwasher	6515.4	Plug		
2460	Space sleeve	3851	Grease cup	6552	Water cooling pipe		
2461	Space sleeve	4110	Mechanical seal box	6571	Tie bolt		
2472.1	Shaft sleeve bearing	4200	Mechanical seal	6576.1	Screw		
2472.2	Shaft sleeve bearing	4210	Flange mechanical seal	6576.2	Screw		
2531	Retaining ring split	4271	Shaft sleeve m. seal	6576.3	Screw Screw		



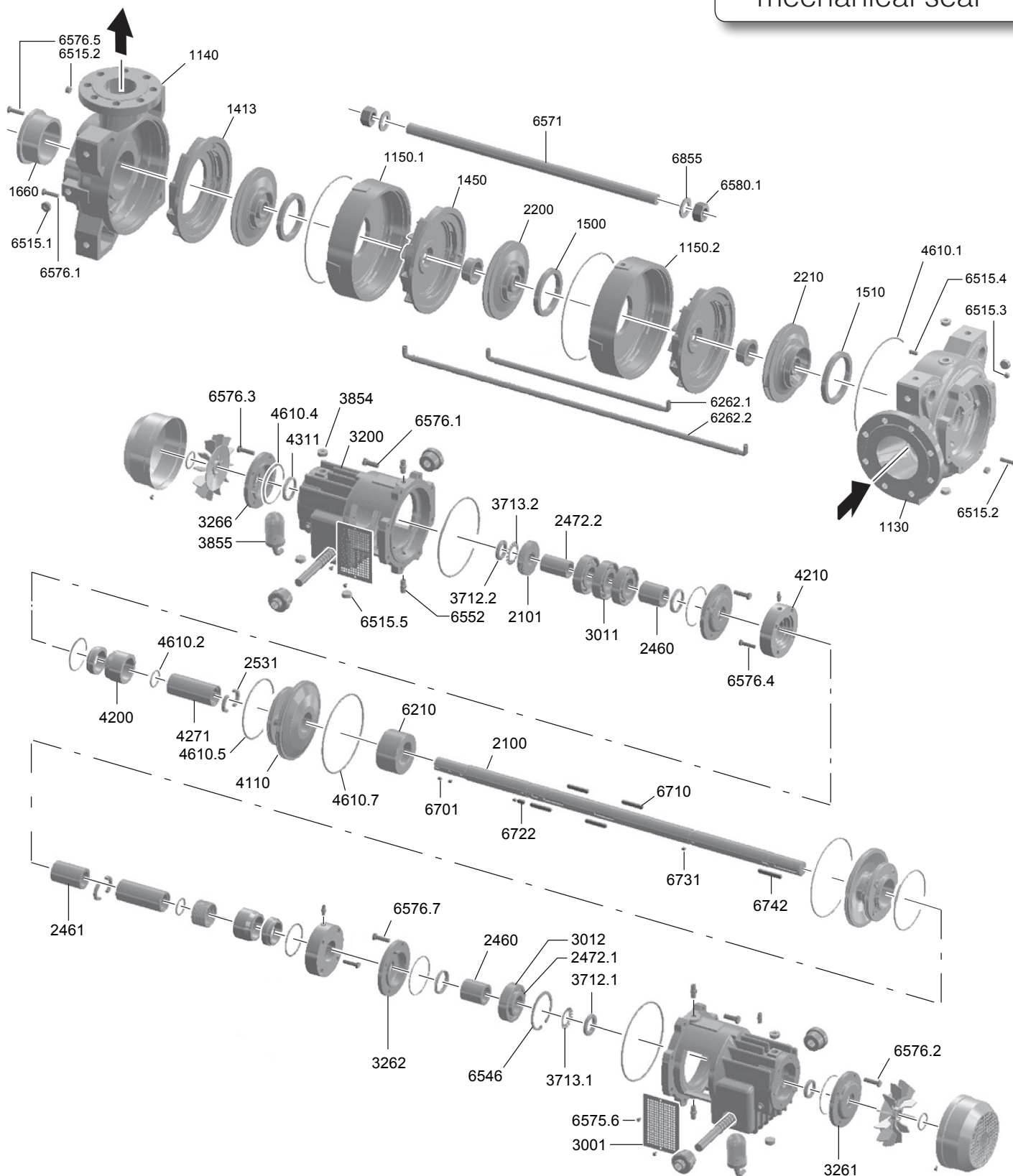
POMPE ZANNI®

HMR 32-50-80-100-125-150

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

oil lubrication

mechanical seal



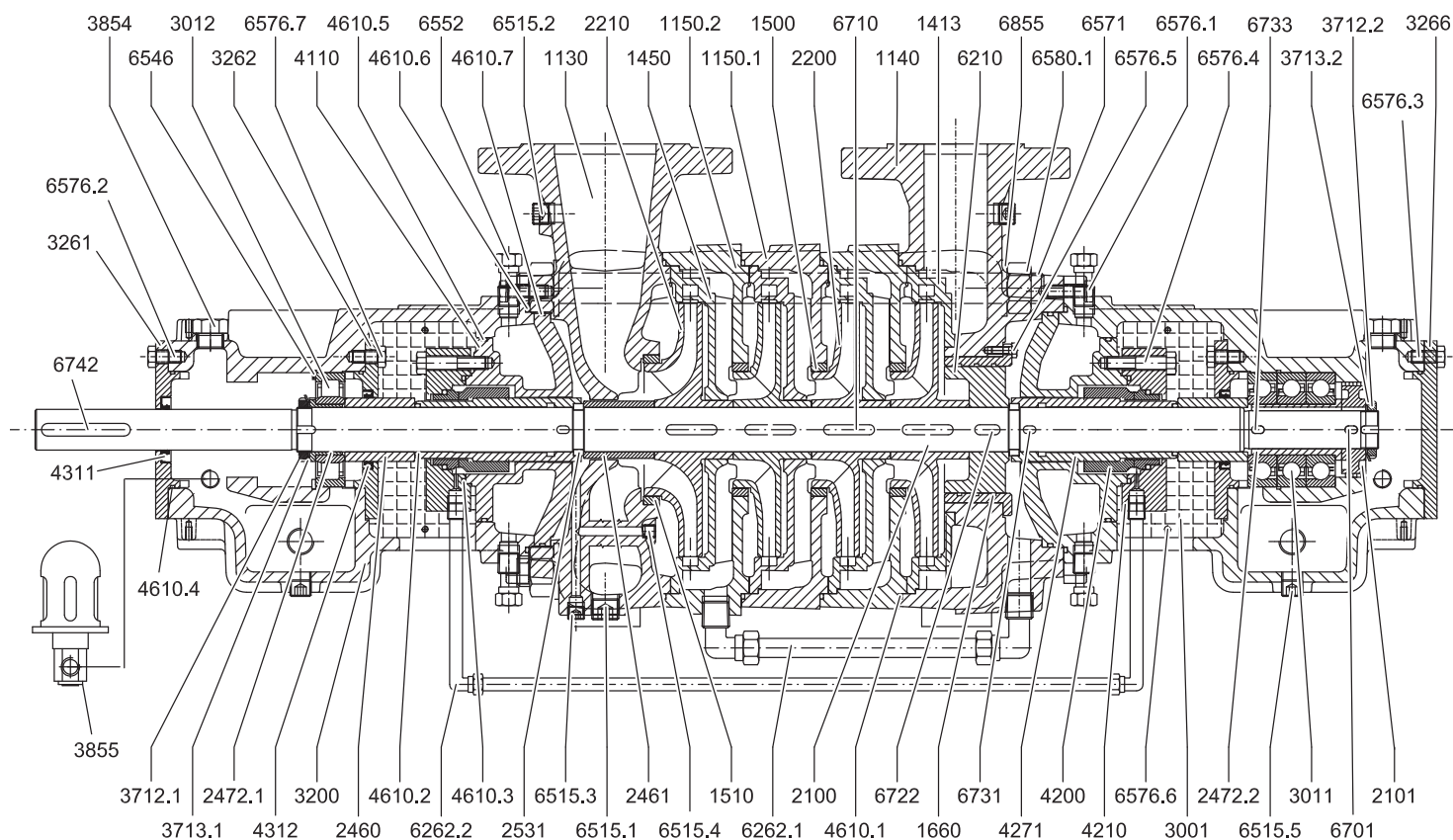


POMPE ZANNI®

HMR 32-50-80-100-125-150

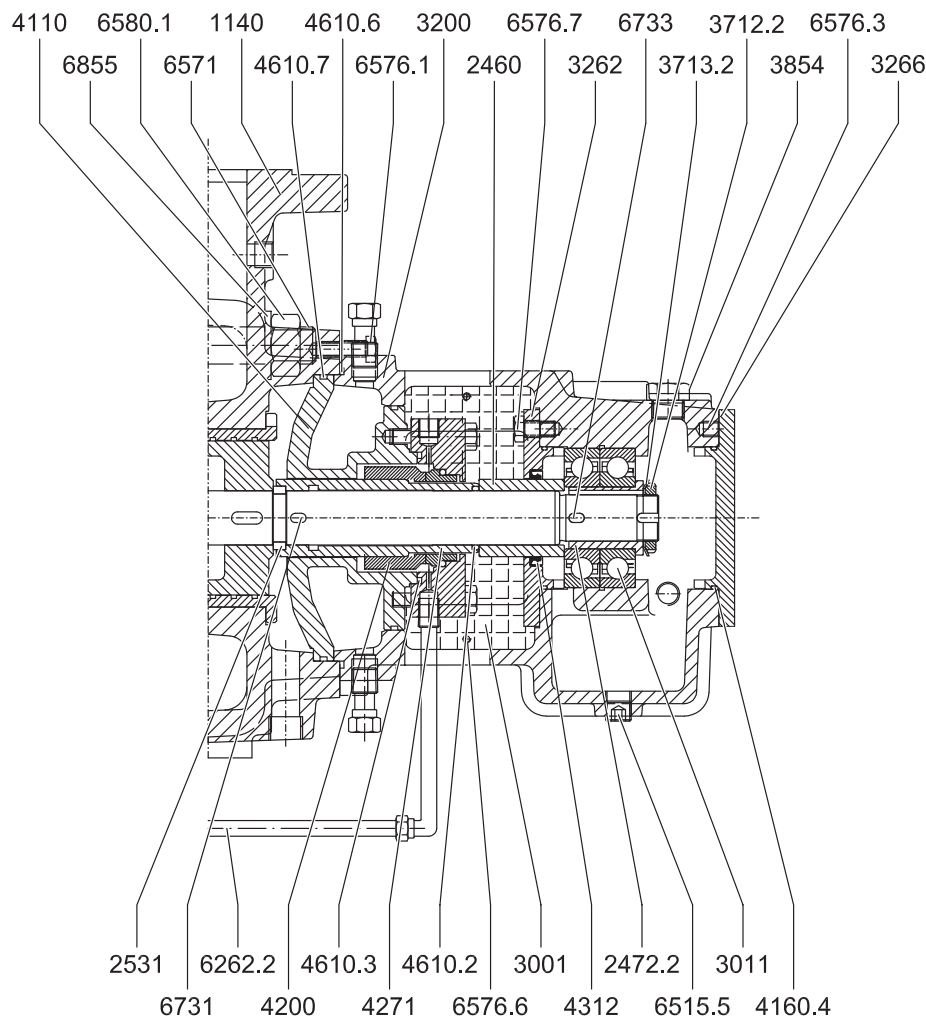
50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

oil lubrication





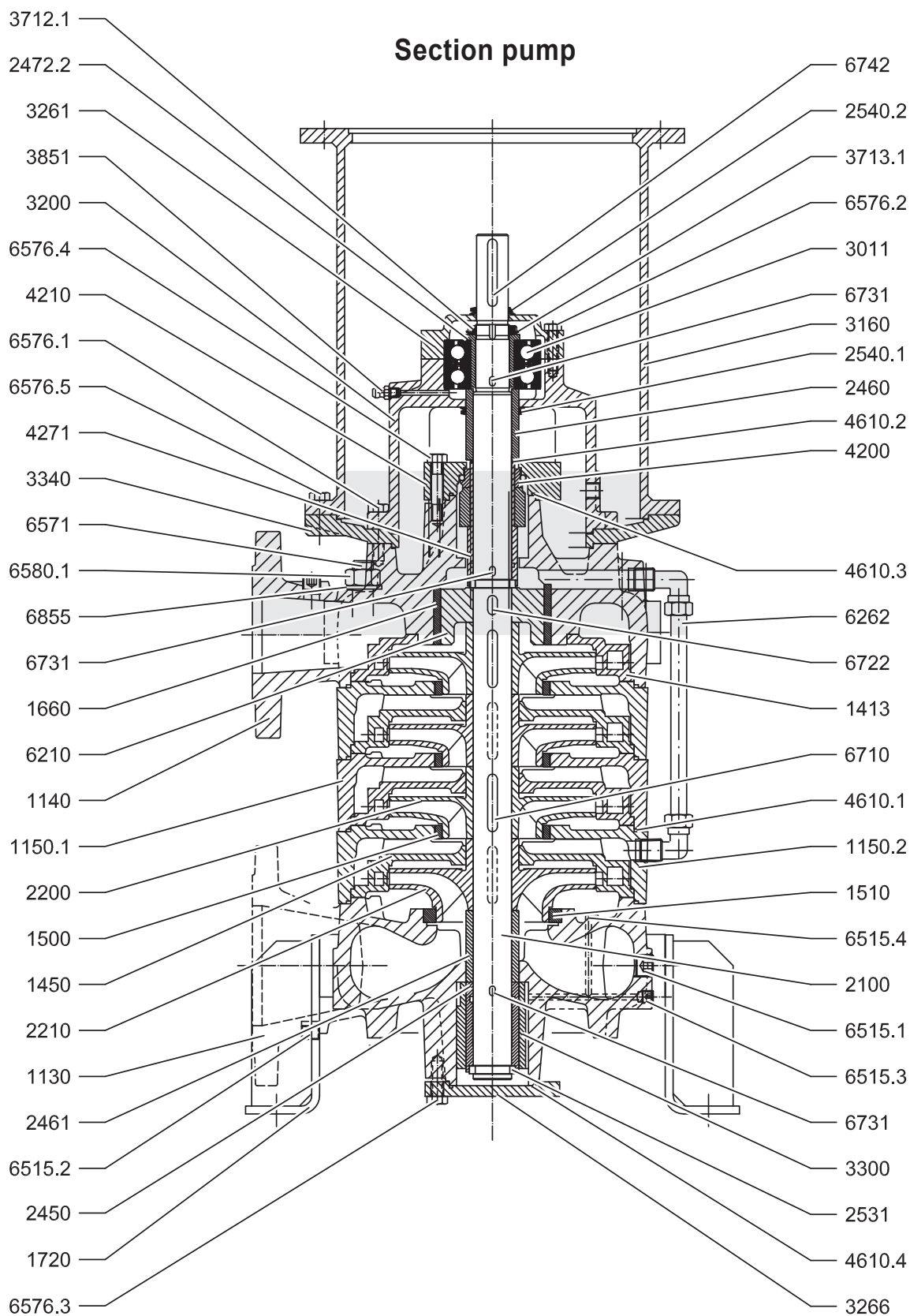
oil lubrication

HMR 150 - Thrust bearing side**HMR 32-50-80-100-125-150****oil lubrication**

1130	Suction casing	3001	Safety net	4312	Radial shaft seal	6571	Tie bolt
1140	Discharge casing	3011	Radial ball bearing	4610.1	O-Ring	6576.1	Screw
1150.1	Stage casing	3012	Radial roller bearing	4610.2	O-Ring	6576.2	Screw
1150.2	Stage casing	3200	Bearing housing	4610.3	O-Ring	6576.3	Screw Screw
1413	Diffuser last stage	3261	Bearing cover drive size	4610.4	O-Ring	6576.4	Screw
1450	Diffuser	3262	Bearing cover pump size	4610.5	O-Ring	6576.5	Screw
1500	Wear ring impeller	3266	Bearing end cover	4610.6	O-Ring	6576.6	Screw
1510	Wear ring impeller	3712.1	Bearing nut	4610.7	O-Ring	6576.7	Screw
1660	Discharge casing bush	3712.2	Bearing nut	6210	Balance disc	6580.1	Nut
2100	Shaft	3713.1	Lockwasher	6262.1	Pressure discharge	6701	Key for circulator
2101	Oil circulator	3713.2	Lockwasher	6262.2	Mechanical seal pipe	6710	Key for impeller
2200	Impeller	3854	Oil filler plug	6515.1	Plug	6722	Key for balance disc
2210	Impeller suction stage	3855	Constant oil lever	6515.2	Plug	6731	Key for shaft sleeve
2460	Space sleeve	4110	Mechanical seal box	6515.3	Plug	6733	Key for shaft sleeve
2461	Space sleeve	4200	Mechanical seal	6515.4	Plug	6742	Key for coupling
2472.1	Shaft sleeve bearing	4210	Flange mechanical seal	6515.5	Plug	6855	Washer
2472.2	Shaft sleeve bearing	4271	Shaft sleeve m. seal	6546	Seeger		
2531	Retaining ring split	4311	Radial shaft seal	6552	Water cooling pipe		

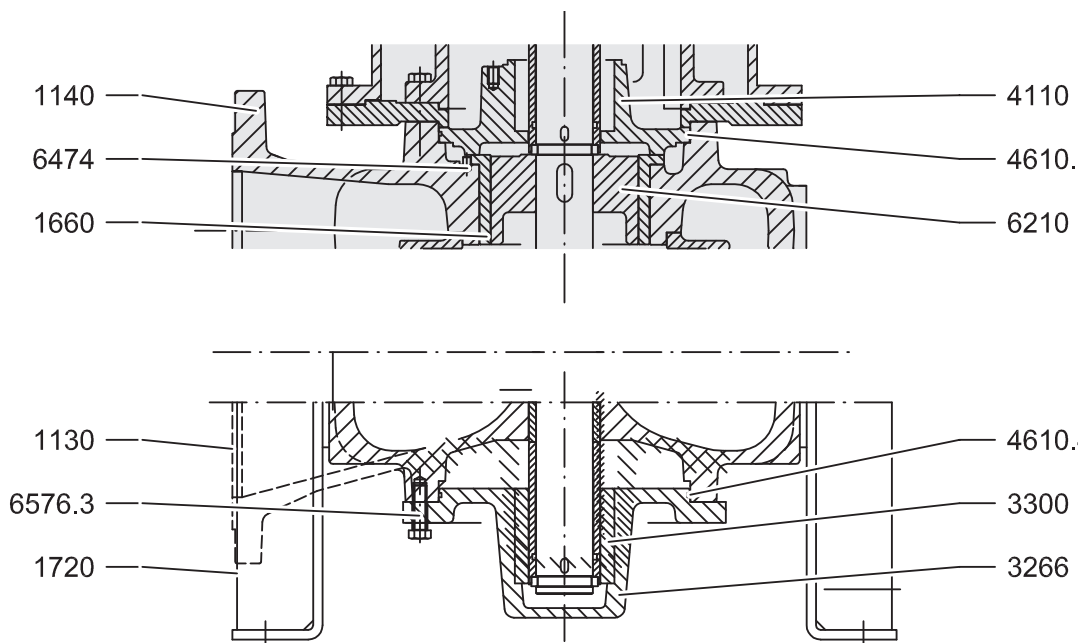


grease lubrication





grease lubrication



HM 25-32-50-80-100-125-150-250

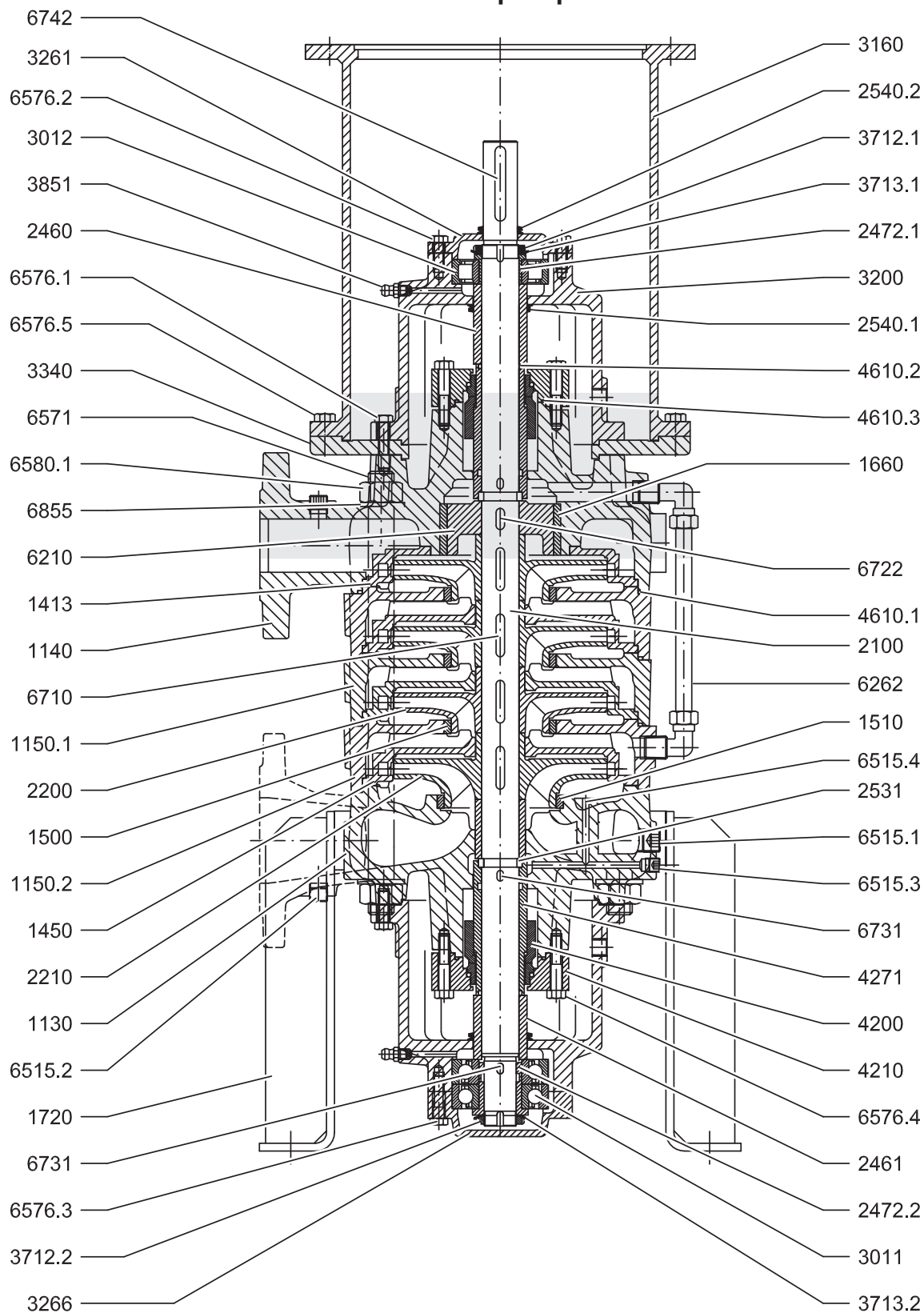
grease lubrication

1130	Suction casing	2540.1	Trower	4610.3	O-Ring	6722	Key for balance disc
1140	Discharge casing	2540.2	Trower	4610.4	O-Ring	6731	Key for shaft sleeve
1150.1	Stage casing	3011	Radial ball bearing	4610.5	O-Ring	6742	Key for coupling
1150.2	Stage casing	3160	Motor lantern	6210	Balance disc	6855	Washer
1413	Diffuser last stage	3200	Bearing housing	6262	Pressure discharge		
1450	Diffuser	3261	Bearing cover drive size	6474	Pin		
1500	Wear ring impeller	3266	Bearing end cover	6515.1	Plug		
1510	Wear ring impeller	3300	Bearing bush	6515.2	Plug		
1660	Discharge casing bush	3340	Driving plate	6515.3	Plug		
1720	Pump foot	3712.1	Bearing nut	6515.4	Plug		
2100	Shaft	3713.1	Lockwasher	6571	Tie bolt		
2200	Impeller	3851	Grease cup	6576.1	Screw		
2210	Impeller suction stage	4110	Seal box	6576.2	Screw		
2450	Shaft sleeve	4200	Mechanical seal	6576.3	Screw		
2460	Space sleeve	4210	Flange mechanical seal	6576.4	Screw		
2461	Space sleeve	4271	Shaft sleeve m. seal	6576.5	Screw		
2472.2	Shaft sleeve bearing	4610.1	O-Ring	6580.1	Nut		
2531	Retaining ring aplit	4610.2	O-Ring	6710	Key for impeller		



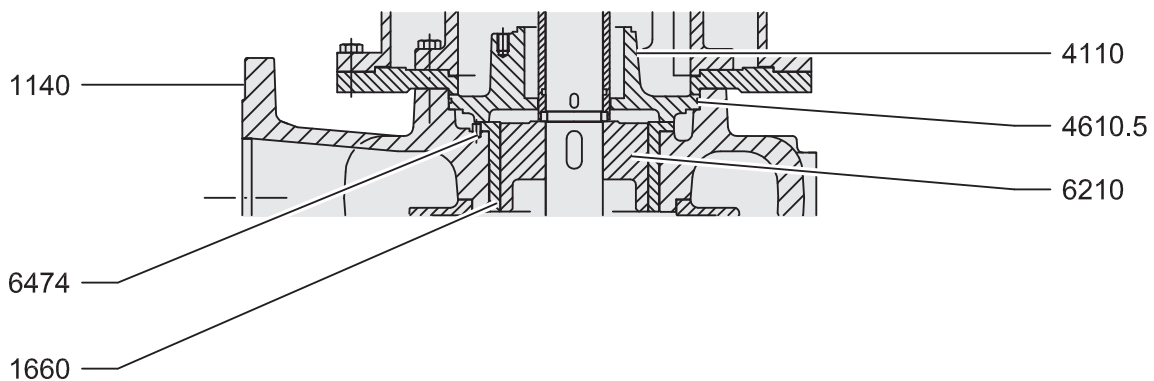
grease lubrication

Section pump





grease lubrication

**HMM 25-32-50-80-100-125-150-250****grease lubrication**

1130	Suction casing	2540.1	Trower	4610.1	O-Ring	6710	Key for impeller
1140	Discharge casing	2540.2	Trower	4610.2	O-Ring	6722	Key for balance disc
1150.1	Stage casing	3011	Radial ball bearing	4610.3	O-Ring	6731	Key for shaft sleeve
1150.2	Stage casing	3012	Radial roller bearing	4610.5	O-Ring	6742	Key for coupling
1413	Diffuser last stage	3160	Motor lantern	6210	Balance disc	6855	Washer
1450	Diffuser	3200	Bearing housing	6262	Pressure discharge		
1500	Wear ring impeller	3261	Bearing cover drive size	6474	Pin		
1510	Wear ring impeller	3266	Bearing end cover	6515.1	Plug		
1660	Discharge casing bush	3340	Driving plate	6515.2	Plug		
1720	Pump foot	3712.1	Bearing nut	6515.3	Plug		
2100	Shaft	3712.2	Bearing nut	6515.4	Plug		
2200	Impeller	3713.1	Lockwasher	6571	Tie bolt		
2210	Impeller suction stage	3713.2	Lockwasher	6576.1	Screw		
2460	Space sleeve	3851	Grease cup	6576.2	Screw		
2461	Space sleeve	4110	Seal box	6576.3	Screw		
2472.1	Shaft sleeve bearing	4200	Mechanical seal	6576.4	Screw		
2472.2	Shaft sleeve bearing	4210	Flange mechanical seal	6576.5	Screw		
2531	Retaining ring split	4271	Shaft sleeve m. seal	6580.1	Nut		

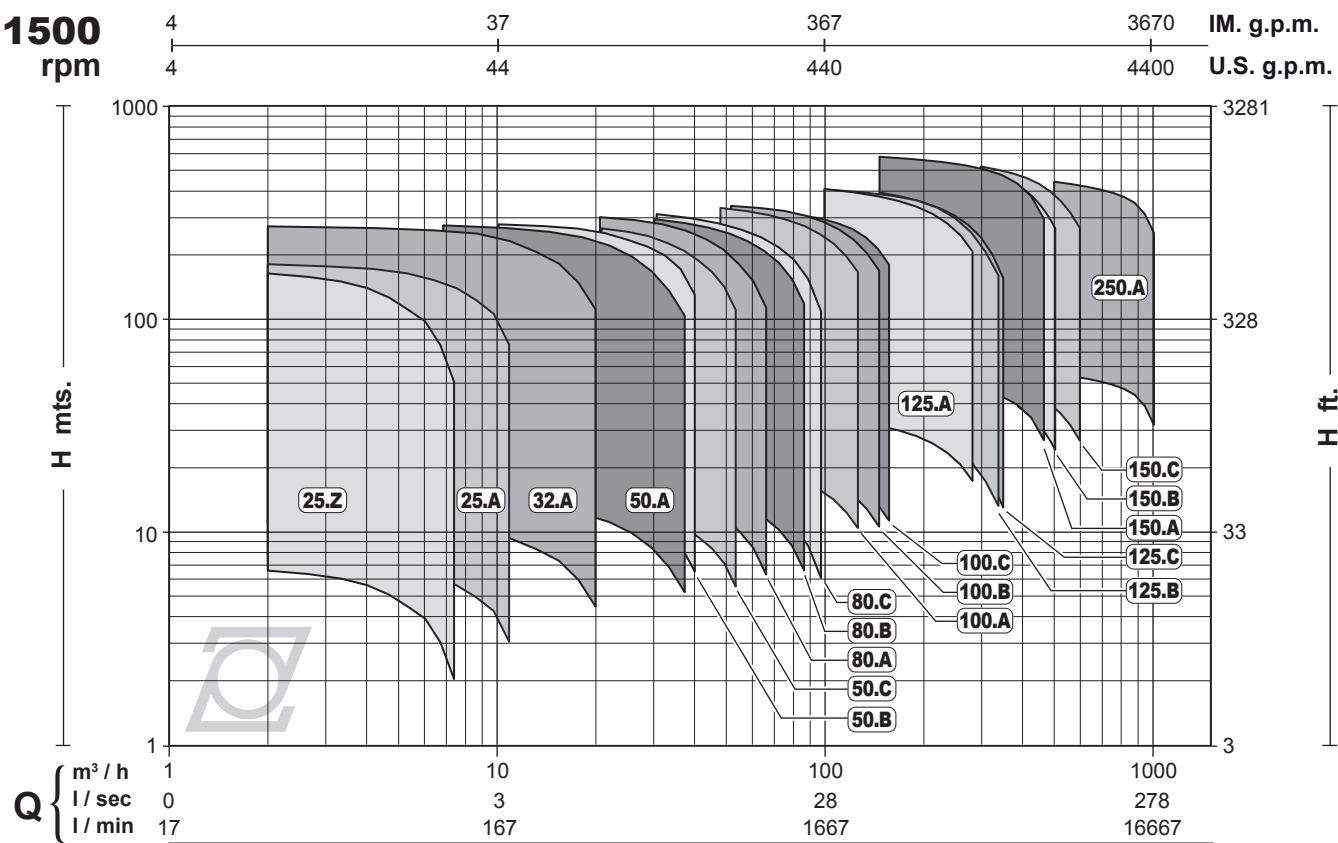


POMPE ZANNI®

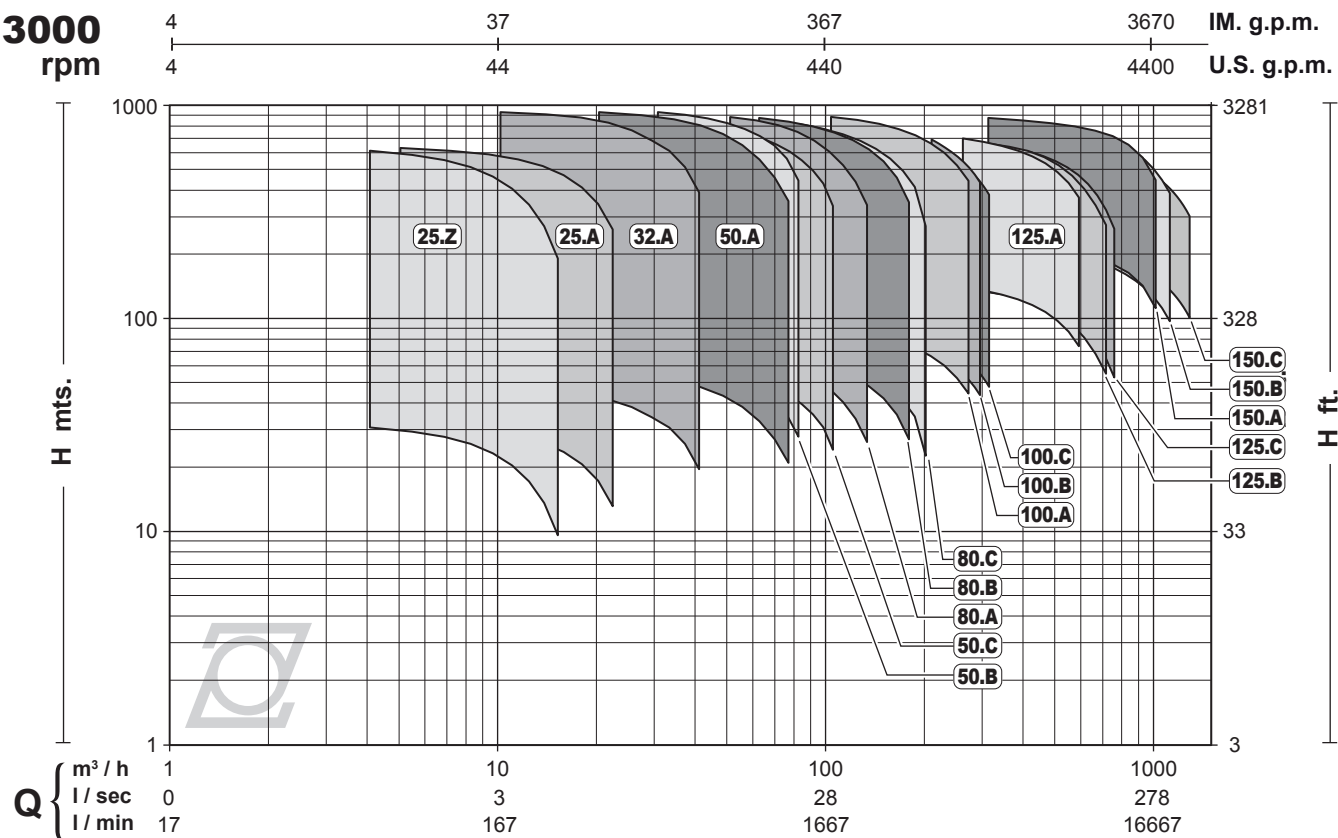
PERFORMANCE RANGE

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

**1500
rpm**



**3000
rpm**





inox

Pump Type		Q											
HM - HMM HMVM	HMV	m³/h	0	2	4	6	8	10	11	12	13	14	15
		l/sec	0	0.6	1.1	1.7	2.2	2.8	3.1	3.3	3.6	3.9	4.2
25.ZI/1	25.ZI/1	H	31.5	30.4	28.9	27.0	24.4	20.9	18.9	16.7	14.3	11.8	9.0
		P1	1.13	1.23	1.36	1.50	1.62	1.69	1.71	1.73	1.75	1.76	1.77
25.ZI/2	25.ZI/2	H	63.0	60.8	57.8	54.0	48.8	41.8	37.8	33.4	28.6	23.6	18.0
		P1	2.3	2.5	2.7	3.0	3.2	3.4	3.4	3.5	3.5	3.5	3.5
25.ZI/3	25.ZI/3	H	94.5	91.2	86.7	81.0	73.2	62.7	56.7	50.1	42.9	35.4	27.0
		P1	3.4	3.7	4.1	4.5	4.9	5.1	5.1	5.2	5.2	5.3	5.3
25.ZI/4	25.ZI/4	H	126.0	121.6	115.6	108.0	97.6	83.6	75.6	66.8	57.2	47.2	36.0
		P1	4.5	4.9	5.4	6.0	6.5	6.8	6.8	6.9	7.0	7.0	7.1
25.ZI/5	25.ZI/5	H	157.5	152.0	144.5	135.0	122.0	104.5	94.5	83.5	71.5	59.0	45.0
		P1	5.7	6.2	6.8	7.5	8.1	8.5	8.6	8.7	8.7	8.8	8.9
25.ZI/6	25.ZI/6	H	189.0	182.4	173.4	162.0	146.4	125.4	113.4	100.2	85.8	70.8	54.0
		P1	6.8	7.4	8.2	9.0	9.7	10.1	10.3	10.4	10.5	10.6	10.6
25.ZI/7	25.ZI/7	H	220.5	212.8	202.3	189.0	170.8	146.3	132.3	116.9	100.1	82.6	63.0
		P1	7.9	8.6	9.5	10.5	11.3	11.8	12.0	12.1	12.2	12.3	12.4
25.ZI/8	25.ZI/8	H	252.0	243.2	231.2	216.0	195.2	167.2	151.2	133.6	114.4	94.4	72.0
		P1	9.0	9.8	10.9	12.0	13.0	13.5	13.7	13.8	14.0	14.1	14.2
25.ZI/9	25.ZI/9	H	283.5	273.6	260.1	243.0	219.6	188.1	170.1	150.3	128.7	106.2	81.0
		P1	10.2	11.1	12.2	13.5	14.6	15.2	15.4	15.6	15.7	15.8	15.9
25.ZI/10	25.ZI/10	H	315.0	304.0	289.0	270.0	244.0	209.0	189.0	167.0	143.0	118.0	90.0
		P1	11.3	12.3	13.6	15.0	16.2	16.9	17.1	17.3	17.5	17.6	17.7
25.ZI/11	25.ZI/11	H	346.5	334.4	317.9	297.0	268.4	229.9	207.9	183.7	157.3	129.8	99.0
		P1	12.4	13.5	15.0	16.5	17.8	18.6	18.8	19.0	19.2	19.4	19.5
25.ZI/12	25.ZI/12	H	378.0	364.8	346.8	324.0	292.8	250.8	226.8	200.4	171.6	141.6	108.0
		P1	13.6	14.8	16.3	18.0	19.4	20.3	20.5	20.8	20.9	21.1	21.2
25.ZI/13	25.ZI/13	H	409.5	395.2	375.7	351.0	317.2	271.7	245.7	217.1	185.9	153.4	117.0
		P1	14.7	16.0	17.7	19.5	21.1	22.0	22.2	22.5	22.7	22.9	23.0
25.ZI/14	25.ZI/14	H	441.0	425.6	404.6	378.0	341.6	292.6	264.6	233.8	200.2	165.2	126.0
		P1	15.8	17.2	19.0	21.0	22.7	23.7	23.9	24.2	24.4	24.6	24.8
25.ZI/15	-	H	472.5	456.0	433.5	405.0	366.0	313.5	283.5	250.5	214.5	177.0	135.0
		P1	17.0	18.5	20.4	22.5	24.3	25.4	25.7	26.0	26.2	26.4	26.6
25.ZI/16	-	H	504.0	486.4	462.4	432.0	390.4	334.4	302.4	267.2	228.8	188.8	144.0
		P1	18.1	19.7	21.8	24.0	25.9	27.0	27.4	27.7	27.9	28.2	28.3
25.ZI/17	-	H	535.5	516.8	491.3	459.0	414.8	355.3	321.3	283.9	243.1	200.6	153.0
		P1	19.2	20.9	23.1	25.5	27.5	28.7	29.1	29.4	29.7	29.9	30.1
25.ZI/18	-	H	567.0	547.2	520.2	486.0	439.2	376.2	340.2	300.6	257.4	212.4	162.0
		P1	20.3	22.1	24.5	27.0	29.2	30.4	30.8	31.1	31.4	31.7	31.9
25.ZI/19	-	H	598.5	577.6	549.1	513.0	463.6	397.1	359.1	317.3	271.7	224.2	171.0
		P1	21.5	23.4	25.8	28.5	30.8	32.1	32.5	32.9	33.2	33.4	33.6
25.ZI/20	-	H	630.0	608.0	578.0	540.0	488.0	418.0	378.0	334.0	286.0	236.0	180.0
		P1	22.6	24.6	27.2	30.0	32.4	33.8	34.2	34.6	34.9	35.2	35.4



POMPE ZANNI®

PERFORMANCE
CURVES

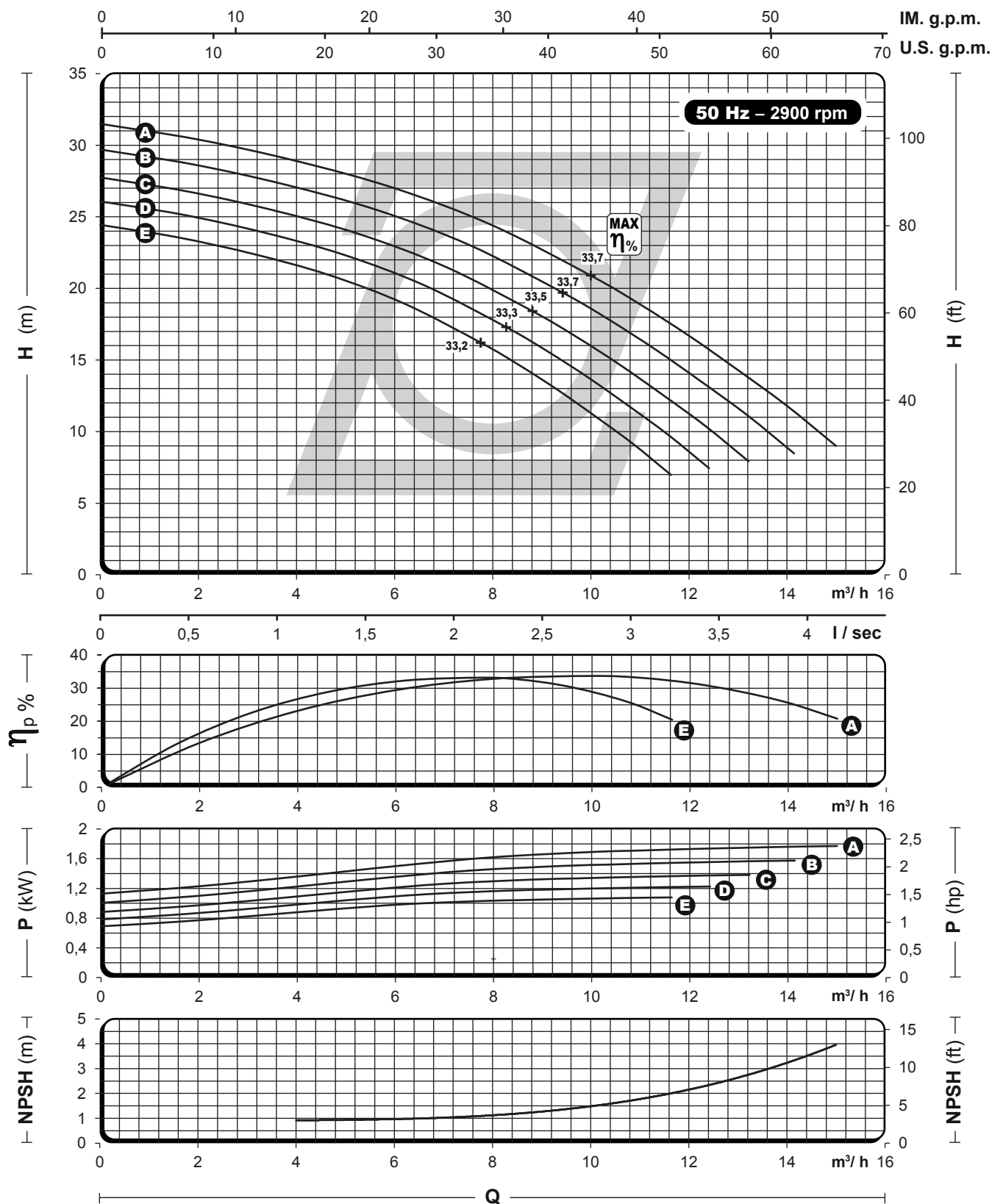
25.Z - 2900 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

inox

IMPELLER:

- A** = Ø 155 mm **C** = Ø 145.5 mm
B = Ø 150.5 mm **D** = Ø 141 mm
E = Ø 136.5 mm





POMPE ZANNI®

TECHNICAL
DATA

25.Z - 1400 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

inox

Pump Type		Q												
HM - HMM		m³/h	0	1	2	3	4	5	5.4	6	6.3	7	7.3	
HMVM	HMV	l/sec	0	0.3	0.5	0.8	1.1	1.4	1.5	1.6	1.8	1.9	2.0	
25.ZI/1	25.ZI/1	H (m) — P1 (kW)	H	7.3	7.2	6.8	6.4	5.8	4.9	4.5	4.0	3.4	2.8	2.1
	P1		0.13	0.14	0.16	0.17	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20
25.ZI/2	25.ZI/2		H	14.7	14.4	13.7	12.8	11.5	9.9	8.9	7.9	6.8	5.6	4.3
	P1		0.25	0.28	0.31	0.35	0.4	0.39	0.39	0.40	0.40	0.40	0.41	0.41
25.ZI/3	25.ZI/3		H	22.0	21.6	20.5	19.2	17.3	14.8	13.4	11.9	10.1	8.4	6.4
	P1		0.38	0.42	0.47	0.52	0.56	0.58	0.59	0.60	0.60	0.60	0.61	0.61
25.ZI/4	25.ZI/4		H	29.4	28.8	27.3	25.6	23.1	19.8	17.9	15.8	13.5	11.2	8.5
	P1		0.51	0.57	0.63	0.69	0.75	0.78	0.79	0.80	0.80	0.80	0.81	0.81
25.ZI/5	25.ZI/5		H	36.7	36.0	34.2	31.9	28.9	24.7	22.4	19.8	16.9	14.0	10.6
	P1		0.64	0.71	0.78	0.86	0.93	0.97	0.98	1.00	1.00	1.00	1.01	1.02
25.ZI/6	25.ZI/6		H	44.0	43.2	41.0	38.3	34.6	29.7	26.8	23.7	20.3	16.7	12.8
	P1		0.76	0.85	0.94	1.04	1.12	1.17	1.18	1.19	1.20	1.20	1.22	1.22
25.ZI/7	25.ZI/7		H	51.4	50.3	47.9	44.7	40.4	34.6	31.3	27.7	23.7	19.5	14.9
	P1		0.89	0.99	1.10	1.21	1.30	1.36	1.38	1.39	1.41	1.41	1.42	1.43
25.ZI/8	25.ZI/8		H	58.7	57.5	54.7	51.1	46.2	39.6	35.8	31.6	27.1	22.3	17.0
	P1		1.02	1.13	1.25	1.38	1.49	1.56	1.57	1.59	1.61	1.61	1.62	1.63
25.ZI/9	25.ZI/9		H	66.1	64.7	61.5	57.5	52.0	44.5	40.2	35.6	30.4	25.1	19.2
	P1		1.14	1.27	1.41	1.55	1.68	1.75	1.77	1.79	1.81	1.81	1.82	1.83
25.ZI/10	25.ZI/10		H	73.4	71.9	68.4	63.9	57.7	49.4	44.7	39.5	33.8	27.9	21.3
	P1		1.27	1.42	1.56	1.73	1.86	1.94	1.97	1.99	2.01	2.01	2.03	2.04
25.ZI/11	25.ZI/11		H	80.8	79.1	75.2	70.3	63.5	54.4	49.2	43.5	37.2	30.7	23.4
	P1		1.40	1.56	1.72	1.90	2.05	2.14	2.16	2.19	2.21	2.21	2.23	2.24
25.ZI/12	25.ZI/12		H	88.1	86.3	82.0	76.7	69.3	59.3	53.7	47.4	40.6	33.5	25.6
	P1		1.53	1.70	1.88	2.07	2.24	2.33	2.36	2.39	2.41	2.41	2.43	2.44
25.ZI/13	25.ZI/13		H	95.4	93.5	88.9	83.0	75.0	64.3	58.1	51.4	44.0	36.3	27.7
	P1	1.65	1.84	2.03	2.24	2.42	2.53	2.56	2.59	2.61	2.61	2.63	2.65	
25.ZI/14	25.ZI/14	H	102.8	100.7	95.7	89.4	80.8	69.2	62.6	55.3	47.4	39.1	29.8	
	P1	1.78	1.98	2.19	2.42	2.61	2.72	2.75	2.79	2.81	2.81	2.84	2.85	
25.ZI/15	-	H	110.1	107.9	102.6	95.8	86.6	74.2	67.1	59.3	50.7	41.9	31.9	
	P1	1.91	2.12	2.35	2.59	2.80	2.92	2.95	2.99	3.01	3.01	3.04	3.06	
25.ZI/16	-	H	117.5	115.1	109.4	102.2	92.4	79.1	71.5	63.2	54.1	44.7	34.1	
	P1	2.03	2.26	2.50	2.76	2.98	3.11	3.15	3.19	3.21	3.21	3.24	3.26	
25.ZI/17	-	H	124.8	122.3	116.2	108.6	98.1	84.1	76.0	67.2	57.5	47.5	36.2	
	P1	2.16	2.41	2.66	2.93	3.17	3.31	3.35	3.38	3.41	3.41	3.44	3.46	
25.ZI/18	-	H	132.1	129.5	123.1	115.0	103.9	89.0	80.5	71.1	60.9	50.2	38.3	
	P1	2.29	2.55	2.82	3.11	3.36	3.50	3.54	3.58	3.61	3.61	3.65	3.67	
25.ZI/19	-	H	139.5	136.6	129.9	121.4	109.7	93.9	85.0	75.1	64.3	53.0	40.5	
	P1	2.42	2.69	2.97	3.28	3.54	3.69	3.74	3.78	3.82	3.82	3.85	3.87	
25.ZI/20	-	H	146.8	143.8	136.7	127.8	115.5	98.9	89.4	79.0	67.7	55.8	42.6	
	P1	2.54	2.83	3.13	3.45	3.73	3.89	3.94	3.98	4.02	4.02	4.05	4.07	
25.ZI/21	-	H	154.2	151.0	143.6	134.1	121.2	103.8	93.9	83.0	71.0	58.6	44.7	
	P1	2.67	2.97	3.29	3.62	3.91	4.08	4.13	4.18	4.22	4.22	4.25	4.28	
25.ZI/22	-	H	161.5	158.2	150.4	140.5	127.0	108.8	98.4	86.9	74.4	61.4	46.8	
	P1	2.80	3.11	3.44	3.80	4.10	4.28	4.33	4.38	4.42	4.42	4.46	4.48	
25.ZI/23	-	H	168.8	165.4	157.3	146.9	132.8	113.7	102.8	90.9	77.8	64.2	49.0	
	P1	2.92	3.26	3.60	3.97	4.29	4.47	4.53	4.58	4.62	4.62	4.66	4.68	
25.ZI/24	-	H	176.2	172.6	164.1	153.3	138.5	118.7	107.3	94.8	81.2	67.0	51.1	
	P1	3.05	3.40	3.76	4.14	4.47	4.67	4.72	4.78	4.82	4.82	4.86	4.89	
25.ZI/25	-	H	183.5	179.8	170.9	159.7	144.3	123.6	111.8	98.8	84.6	69.8	53.2	
	P1	3.18	3.54	3.91	4.32	4.66	4.86	4.92	4.98	5.02	5.02	5.06	5.09	



POMPE ZANNI®

PERFORMANCE
CURVES

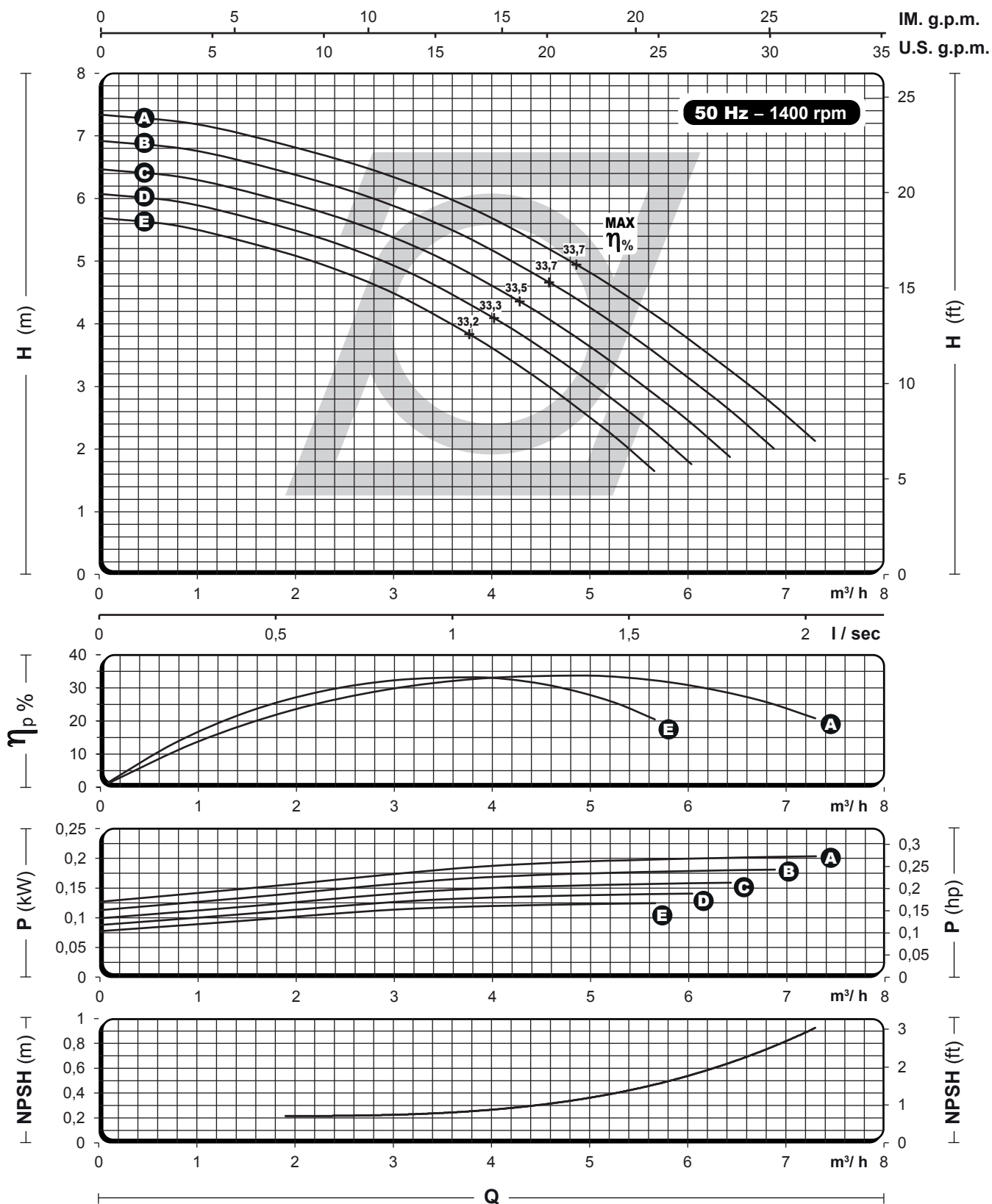
25.Z - 1400 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

inox

IMPELLER:

- A** = Ø 155 mm **C** = Ø 145.5 mm
B = Ø 150.5 mm **D** = Ø 141 mm
E = Ø 136.5 mm





Pump Type		Q												
HM - HMM		m³/h	0	3	5	8	10	12	14	16	18	20	22	
HMVM	HMV	l/sec	0	0.7	1.4	2.1	2.8	3.3	3.9	4.4	5.0	5.6	6.1	
25.A/1	25.A/1	H (m) — P1 (kW)	H	30.5	30.0	29.2	28.0	26.2	24.4	22.2	19.9	17.3	14.6	11.8
	P1		1.04	1.20	1.36	1.51	1.66	1.77	1.87	1.95	2.02	2.08	2.13	
25.A/2	25.A/2		H	61.0	59.9	58.4	55.9	52.4	48.8	44.4	39.8	34.6	29.2	23.6
	P1		2.1	2.4	2.7	3.0	3.3	3.5	3.7	3.9	4.0	4.2	4.3	
25.A/3	25.A/3		H	91.5	89.9	87.6	83.9	78.6	73.2	66.6	59.7	51.9	43.8	35.4
	P1		3.1	3.6	4.1	4.5	5.0	5.3	5.6	5.9	6.1	6.2	6.4	
25.A/4	25.A/4		H	122.0	119.8	116.8	111.8	104.8	97.6	88.8	79.6	69.2	58.4	47.2
	P1		4.2	4.8	5.4	6.0	6.6	7.1	7.5	7.8	8.1	8.3	8.5	
25.A/5	25.A/5		H	152.5	149.8	146.0	139.8	131.0	122.0	111.0	99.5	86.5	73.0	59.0
	P1		5.2	6.0	6.8	7.6	8.3	8.9	9.4	9.8	10.1	10.4	10.7	
25.A/6	25.A/6		H	183.0	179.7	175.2	167.7	157.2	146.4	133.2	119.4	103.8	87.6	70.8
	P1		6.2	7.2	8.2	9.1	10.0	10.6	11.2	11.7	12.1	12.5	12.8	
25.A/7	25.A/7		H	213.5	209.7	204.4	195.7	183.4	170.8	155.4	139.3	121.1	102.2	82.6
	P1		7.3	8.4	9.5	10.6	11.6	12.4	13.1	13.7	14.1	14.6	14.9	
25.A/8	25.A/8		H	244.0	239.6	233.6	223.6	209.6	195.2	177.6	159.2	138.4	116.8	94.4
	P1		8.3	9.6	10.9	12.1	13.3	14.2	15.0	15.6	16.2	16.6	17.0	
25.A/9	25.A/9		H	274.5	269.6	262.8	251.6	235.8	219.6	199.8	179.1	155.7	131.4	106.2
	P1		9.4	10.8	12.2	13.6	14.9	15.9	16.8	17.6	18.2	18.7	19.2	
25.A/10	25.A/10		H	305.0	299.5	292.0	279.5	262.0	244.0	222.0	199.0	173.0	146.0	118.0
	P1		10.4	12.0	13.6	15.1	16.6	17.7	18.7	19.5	20.2	20.8	21.3	
25.A/11	25.A/11	H	335.5	329.5	321.2	307.5	288.2	268.4	244.2	218.9	190.3	160.6	129.8	
	P1	11.4	13.2	15.0	16.6	18.3	19.5	20.6	21.5	22.2	22.9	23.4		
25.A/12	25.A/12	H	366.0	359.4	350.4	335.4	314.4	292.8	266.4	238.8	207.6	175.2	141.6	
	P1	12.5	14.4	16.3	18.1	19.9	21.2	22.4	23.4	24.2	25.0	25.6		
25.A/13	25.A/13	H	396.5	389.4	379.6	363.4	340.6	317.2	288.6	258.7	224.9	189.8	153.4	
	P1	13.5	15.6	17.7	19.6	21.6	23.0	24.3	25.4	26.3	27.0	27.7		
25.A/14	25.A/14	H	427.0	419.3	408.8	391.3	366.8	341.6	310.8	278.6	242.2	204.4	165.2	
	P1	14.6	16.8	19.0	21.1	23.2	24.8	26.2	27.3	28.3	29.1	29.8		
25.A/15	-	H	457.5	449.3	438.0	419.3	393.0	366.0	333.0	298.5	259.5	219.0	177.0	
	P1	15.6	18.0	20.4	22.7	24.9	26.6	28.1	29.3	30.3	31.2	32.0		
25.A/16	-	H	488.0	479.2	467.2	447.2	419.2	390.4	355.2	318.4	276.8	233.6	188.8	
	P1	16.6	19.2	21.8	24.2	26.6	28.3	29.9	31.2	32.3	33.3	34.1		
25.A/17	-	H	518.5	509.2	496.4	475.2	445.4	414.8	377.4	338.3	294.1	248.2	200.6	
	P1	17.7	20.4	23.1	25.7	28.2	30.1	31.8	33.2	34.3	35.4	36.2		
25.A/18	-	H	549.0	539.1	525.6	503.1	471.6	439.2	399.6	358.2	311.4	262.8	212.4	
	P1	18.7	21.6	24.5	27.2	29.9	31.9	33.7	35.1	36.4	37.4	38.3		
25.A/19	-	H	579.5	569.1	554.8	531.1	497.8	463.6	421.8	378.1	328.7	277.4	224.2	
	P1	19.8	22.8	25.8	28.7	31.5	33.6	35.5	37.1	38.4	39.5	40.5		
25.A/20	-	H	610.0	599.0	584.0	559.0	524.0	488.0	444.0	398.0	346.0	292.0	236.0	
	P1	20.8	24.0	27.2	30.2	33.2	35.4	37.4	39.0	40.4	41.6	42.6		



POMPE ZANNI®

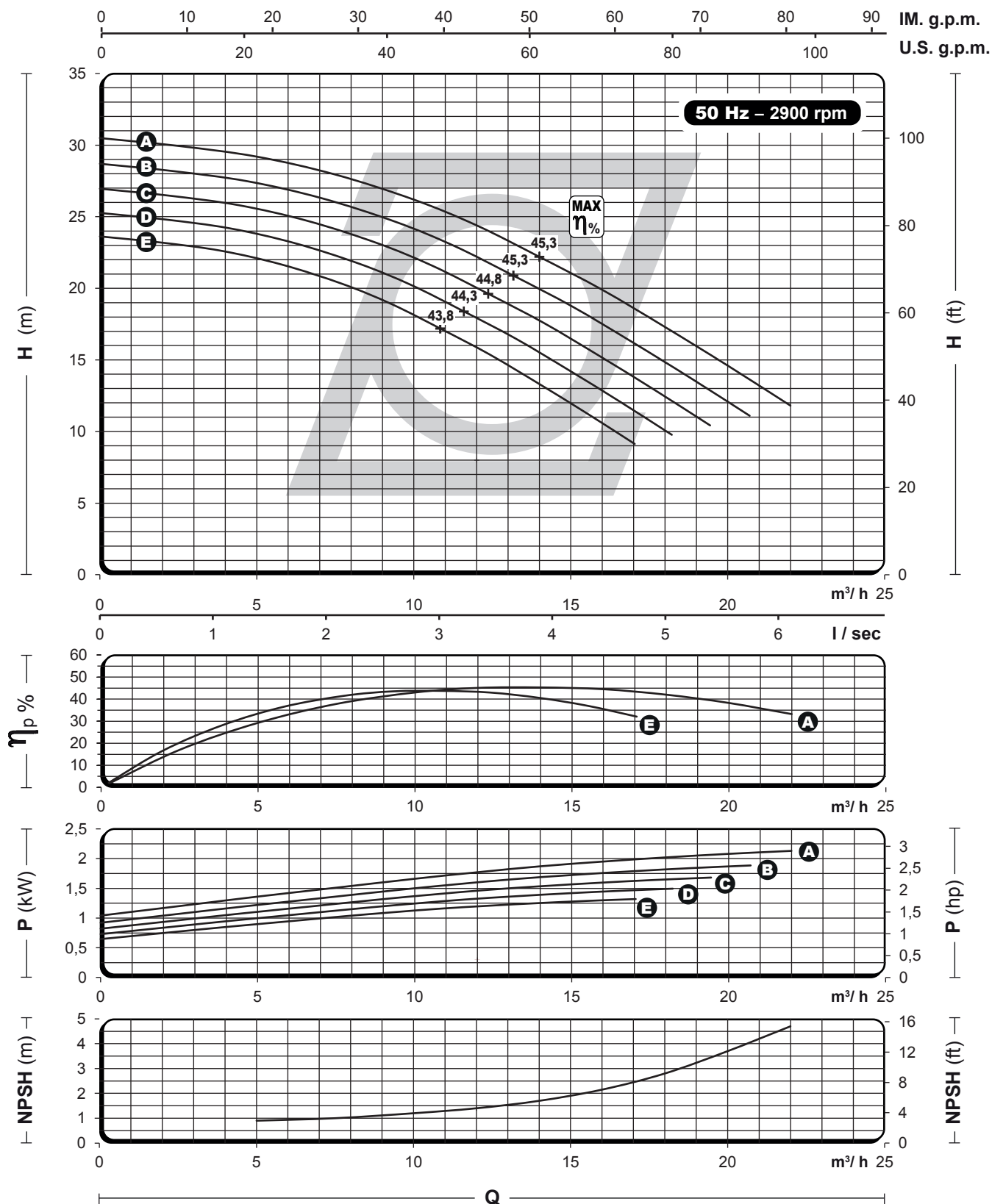
PERFORMANCE
CURVES

25.A - 2900 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 155 mm **C** = Ø 145.5 mm
B = Ø 150.5 mm **D** = Ø 141 mm
E = Ø 136.5 mm





Pump Type		Q												
HM - HMM	HMVM	HMV	m³/h	0	1	2	4	5	6	6.8	8	8.7	10	10.6
			l/sec	0	0.3	0.7	1.0	1.4	1.6	1.9	2.2	2.4	2.7	3.0
25.A/1	25.A/1	H (m) — P1 (kW)	H	7.1	7.0	6.8	6.5	6.1	5.7	5.2	4.6	4.0	3.4	2.8
			P1	0.12	0.14	0.15	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.24
25.A/2	25.A/2		H	14.2	14.0	13.6	13.0	12.2	11.4	10.3	9.3	8.1	6.8	5.5
			P1	0.23	0.27	0.31	0.34	0.4	0.40	0.42	0.44	0.45	0.47	0.48
25.A/3	25.A/3		H	21.3	20.9	20.4	19.5	18.3	17.1	15.5	13.9	12.1	10.2	8.3
			P1	0.35	0.41	0.46	0.51	0.56	0.60	0.63	0.66	0.68	0.70	0.72
25.A/4	25.A/4		H	28.4	27.9	27.2	26.1	24.4	22.7	20.7	18.6	16.1	13.6	11.0
			P1	0.47	0.54	0.61	0.68	0.75	0.80	0.84	0.88	0.91	0.94	0.96
25.A/5	25.A/5		H	35.5	34.9	34.0	32.6	30.5	28.4	25.9	23.2	20.2	17.0	13.8
			P1	0.59	0.68	0.77	0.85	0.93	1.00	1.05	1.10	1.14	1.17	1.20
25.A/6	25.A/6		H	42.6	41.9	40.8	39.1	36.6	34.1	31.0	27.8	24.2	20.4	16.5
			P1	0.70	0.81	0.92	1.02	1.12	1.19	1.26	1.32	1.36	1.40	1.44
25.A/7	25.A/7		H	49.8	48.9	47.6	45.6	42.7	39.8	36.2	32.5	28.2	23.8	19.3
			P1	0.82	0.95	1.07	1.19	1.31	1.39	1.47	1.54	1.59	1.64	1.68
25.A/8	25.A/8		H	56.9	55.8	54.4	52.1	48.8	45.5	41.4	37.1	32.3	27.2	22.0
			P1	0.94	1.08	1.22	1.36	1.49	1.59	1.68	1.76	1.82	1.87	1.92
25.A/9	25.A/9		H	64.0	62.8	61.2	58.6	55.0	51.2	46.6	41.7	36.3	30.6	24.8
			P1	1.05	1.22	1.38	1.53	1.68	1.79	1.89	1.97	2.05	2.11	2.16
25.A/10	25.A/10		H	71.1	69.8	68.1	65.1	61.1	56.9	51.7	46.4	40.3	34.0	27.5
			P1	1.17	1.35	1.53	1.70	1.87	1.99	2.10	2.19	2.27	2.34	2.40
25.A/11	25.A/11		H	78.2	76.8	74.9	71.7	67.2	62.6	56.9	51.0	44.4	37.4	30.3
			P1	1.29	1.49	1.68	1.87	2.05	2.19	2.31	2.41	2.50	2.57	2.64
25.A/12	25.A/12		H	85.3	83.8	81.7	78.2	73.3	68.2	62.1	55.7	48.4	40.8	33.0
			P1	1.40	1.62	1.84	2.04	2.24	2.39	2.52	2.63	2.73	2.81	2.88
25.A/13	25.A/13		H	92.4	90.7	88.5	84.7	79.4	73.9	67.3	60.3	52.4	44.2	35.8
			P1	1.52	1.76	1.99	2.21	2.43	2.59	2.74	2.85	2.95	3.04	3.12
25.A/14	25.A/14		H	99.5	97.7	95.3	91.2	85.5	79.6	72.4	64.9	56.4	47.6	38.5
			P1	1.64	1.89	2.14	2.38	2.61	2.79	2.95	3.07	3.18	3.28	3.36
25.A/15	-		H	106.6	104.7	102.1	97.7	91.6	85.3	77.6	69.6	60.5	51.0	41.3
			P1	1.76	2.03	2.30	2.55	2.80	2.99	3.16	3.29	3.41	3.51	3.59
25.A/16	-		H	113.7	111.7	108.9	104.2	97.7	91.0	82.8	74.2	64.5	54.4	44.0
			P1	1.87	2.16	2.45	2.72	2.99	3.19	3.37	3.51	3.64	3.74	3.83
25.A/17	-		H	120.8	118.7	115.7	110.7	103.8	96.7	88.0	78.8	68.5	57.8	46.8
			P1	1.99	2.30	2.60	2.89	3.18	3.39	3.58	3.73	3.86	3.98	4.07
25.A/18	-		H	127.9	125.6	122.5	117.3	109.9	102.4	93.1	83.5	72.6	61.2	49.5
			P1	2.11	2.43	2.75	3.06	3.36	3.58	3.79	3.95	4.09	4.21	4.31
25.A/19	-		H	135.1	132.6	129.3	123.8	116.0	108.0	98.3	88.1	76.6	64.6	52.3
			P1	2.22	2.57	2.91	3.23	3.55	3.78	4.00	4.17	4.32	4.45	4.55
25.A/20	-		H	142.2	139.6	136.1	130.3	122.1	113.7	103.5	92.8	80.6	68.1	55.0
			P1	2.34	2.70	3.06	3.40	3.74	3.98	4.21	4.39	4.55	4.68	4.79
25.A/21	-		H	149.3	146.6	142.9	136.8	128.2	119.4	108.7	97.4	84.7	71.5	57.8
			P1	2.46	2.84	3.21	3.57	3.92	4.18	4.42	4.61	4.77	4.91	5.03
25.A/22	-		H	156.4	153.6	149.7	143.3	134.3	125.1	113.8	102.0	88.7	74.9	60.5
			P1	2.57	2.97	3.37	3.74	4.11	4.38	4.63	4.83	5.00	5.15	5.27
25.A/23	-		H	163.5	160.5	156.5	149.8	140.4	130.8	119.0	106.7	92.7	78.3	63.3
			P1	2.69	3.11	3.52	3.91	4.30	4.58	4.84	5.05	5.23	5.38	5.51
25.A/24	-		H	170.6	167.5	163.3	156.3	146.5	136.5	124.2	111.3	96.8	81.7	66.0
			P1	2.81	3.24	3.67	4.08	4.48	4.78	5.05	5.27	5.45	5.62	5.75
25.A/25	-		H	177.7	174.5	170.1	162.8	152.7	142.2	129.3	115.9	100.8	85.1	68.8
			P1	2.93	3.38	3.83	4.25	4.67	4.98	5.26	5.48	5.68	5.85	5.99



POMPE ZANNI®

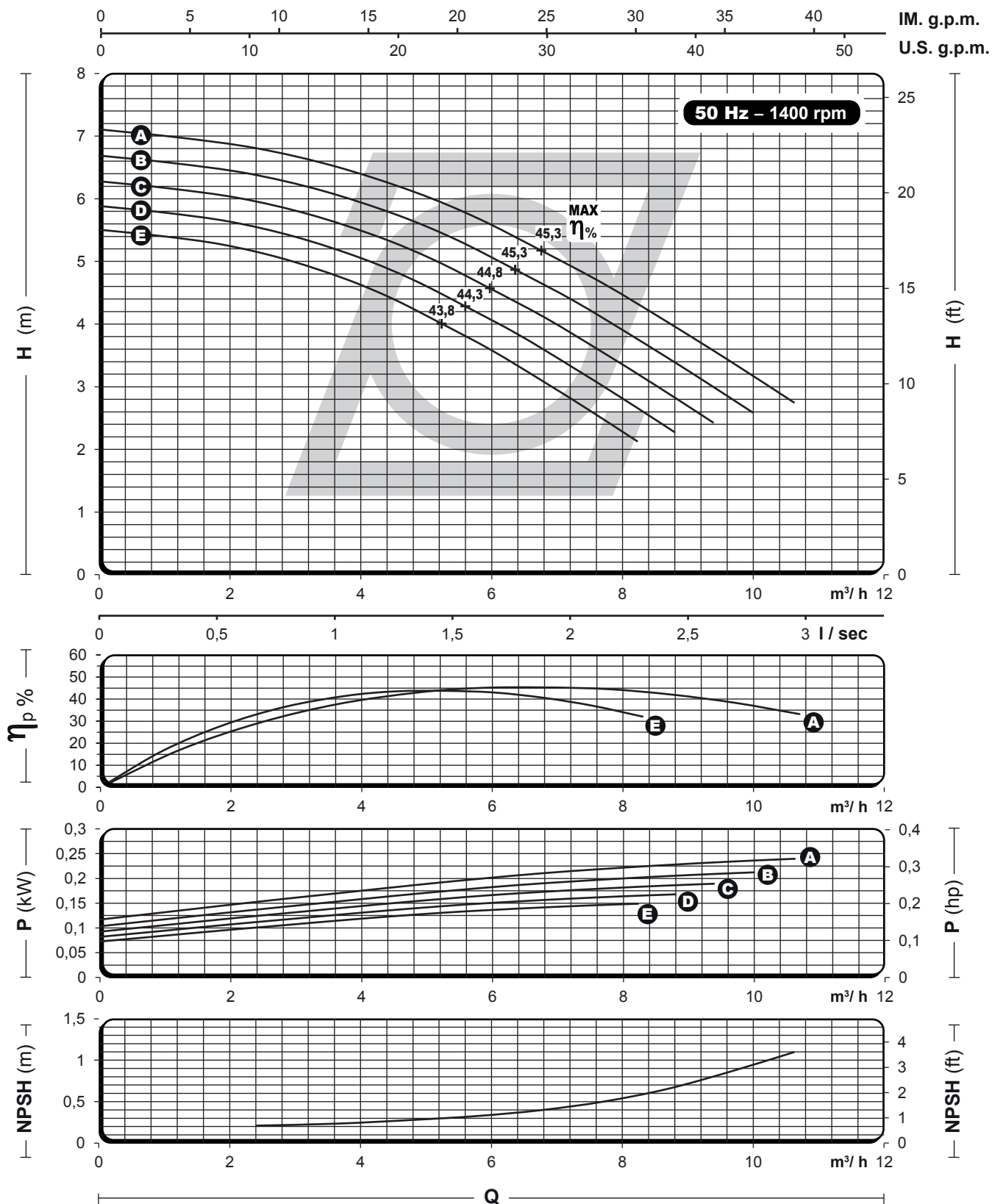
PERFORMANCE
CURVES

25.A - 1400 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 155 mm **C** = Ø 145.5 mm
B = Ø 150.5 mm **D** = Ø 141 mm
E = Ø 136.5 mm





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Pump Type		Q											
HM - HMM HMMVM	HMV	m³/h	0	3	5	8	10	12	14	16	18	20	22
		l/sec	0	0.7	1.4	2.1	2.8	3.3	3.9	4.4	5.0	5.6	6.1
25.AI/1	25.AI/1	H	33.6	32.6	31.4	30.2	28.8	27.2	25.3	22.9	20.1	16.9	13.0
		P1	0.89	1.00	1.17	1.38	1.59	1.73	1.86	1.98	2.07	2.13	2.16
25.AI/2	25.AI/2	H	67.2	65.2	62.8	60.4	57.6	54.4	50.6	45.8	40.2	33.8	26.0
		P1	1.8	2.0	2.3	2.8	3.2	3.5	3.7	4.0	4.1	4.3	4.3
25.AI/3	25.AI/3	H	100.8	97.8	94.2	90.6	86.4	81.6	75.9	68.7	60.3	50.7	39.0
		P1	2.7	3.0	3.5	4.1	4.8	5.2	5.6	5.9	6.2	6.4	6.5
25.AI/4	25.AI/4	H	134.4	130.4	125.6	120.8	115.2	108.8	101.2	91.6	80.4	67.6	52.0
		P1	3.6	4.0	4.7	5.5	6.4	6.9	7.4	7.9	8.3	8.5	8.6
25.AI/5	25.AI/5	H	168.0	163.0	157.0	151.0	144.0	136.0	126.5	114.5	100.5	84.5	65.0
		P1	4.5	5.0	5.9	6.9	8.0	8.7	9.3	9.9	10.4	10.7	10.8
25.AI/6	25.AI/6	H	201.6	195.6	188.4	181.2	172.8	163.2	151.8	137.4	120.6	101.4	78.0
		P1	5.3	6.0	7.0	8.3	9.5	10.4	11.2	11.9	12.4	12.8	13.0
25.AI/7	25.AI/7	H	235.2	228.2	219.8	211.4	201.6	190.4	177.1	160.3	140.7	118.3	91.0
		P1	6.2	7.0	8.2	9.7	11.1	12.1	13.0	13.9	14.5	14.9	15.1
25.AI/8	25.AI/8	H	268.8	260.8	251.2	241.6	230.4	217.6	202.4	183.2	160.8	135.2	104.0
		P1	7.1	8.0	9.4	11.0	12.7	13.8	14.9	15.8	16.6	17.0	17.3
25.AI/9	25.AI/9	H	302.4	293.4	282.6	271.8	259.2	244.8	227.7	206.1	180.9	152.1	117.0
		P1	8.0	9.0	10.5	12.4	14.3	15.6	16.7	17.8	18.6	19.2	19.4
25.AI/10	25.AI/10	H	336.0	326.0	314.0	302.0	288.0	272.0	253.0	229.0	201.0	169.0	130.0
		P1	8.9	10.0	11.7	13.8	15.9	17.3	18.6	19.8	20.7	21.3	21.6
25.AI/11	25.AI/11	H	369.6	358.6	345.4	332.2	316.8	299.2	278.3	251.9	221.1	185.9	143.0
		P1	9.8	11.0	12.9	15.2	17.5	19.0	20.5	21.8	22.8	23.4	23.8
25.AI/12	25.AI/12	H	403.2	391.2	376.8	362.4	345.6	326.4	303.6	274.8	241.2	202.8	156.0
		P1	10.7	12.0	14.0	16.6	19.1	20.8	22.3	23.8	24.8	25.6	25.9
25.AI/13	25.AI/13	H	436.8	423.8	408.2	392.6	374.4	353.6	328.9	297.7	261.3	219.7	169.0
		P1	11.6	13.0	15.2	17.9	20.7	22.5	24.2	25.7	26.9	27.7	28.1
25.AI/14	25.AI/14	H	470.4	456.4	439.6	422.8	403.2	380.8	354.2	320.6	281.4	236.6	182.0
		P1	12.5	14.0	16.4	19.3	22.3	24.2	26.0	27.7	29.0	29.8	30.2
25.AI/15	-	H	504.0	489.0	471.0	453.0	432.0	408.0	379.5	343.5	301.5	253.5	195.0
		P1	13.4	15.0	17.6	20.7	23.9	26.0	27.9	29.7	31.1	32.0	32.4
25.AI/16	-	H	537.6	521.6	502.4	483.2	460.8	435.2	404.8	366.4	321.6	270.4	208.0
		P1	14.2	16.0	18.7	22.1	25.4	27.7	29.8	31.7	33.1	34.1	34.6
25.AI/17	-	H	571.2	554.2	533.8	513.4	489.6	462.4	430.1	389.3	341.7	287.3	221.0
		P1	15.1	17.0	19.9	23.5	27.0	29.4	31.6	33.7	35.2	36.2	36.7
25.AI/18	-	H	604.8	586.8	565.2	543.6	518.4	489.6	455.4	412.2	361.8	304.2	234.0
		P1	16.0	18.0	21.1	24.8	28.6	31.1	33.5	35.6	37.3	38.3	38.9
25.AI/19	-	H	638.4	619.4	596.6	573.8	547.2	516.8	480.7	435.1	381.9	321.1	247.0
		P1	16.9	19.0	22.2	26.2	30.2	32.9	35.3	37.6	39.3	40.5	41.0



POMPE ZANNI®

PERFORMANCE
CURVES

25.A - 2900 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

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IMPELLER:

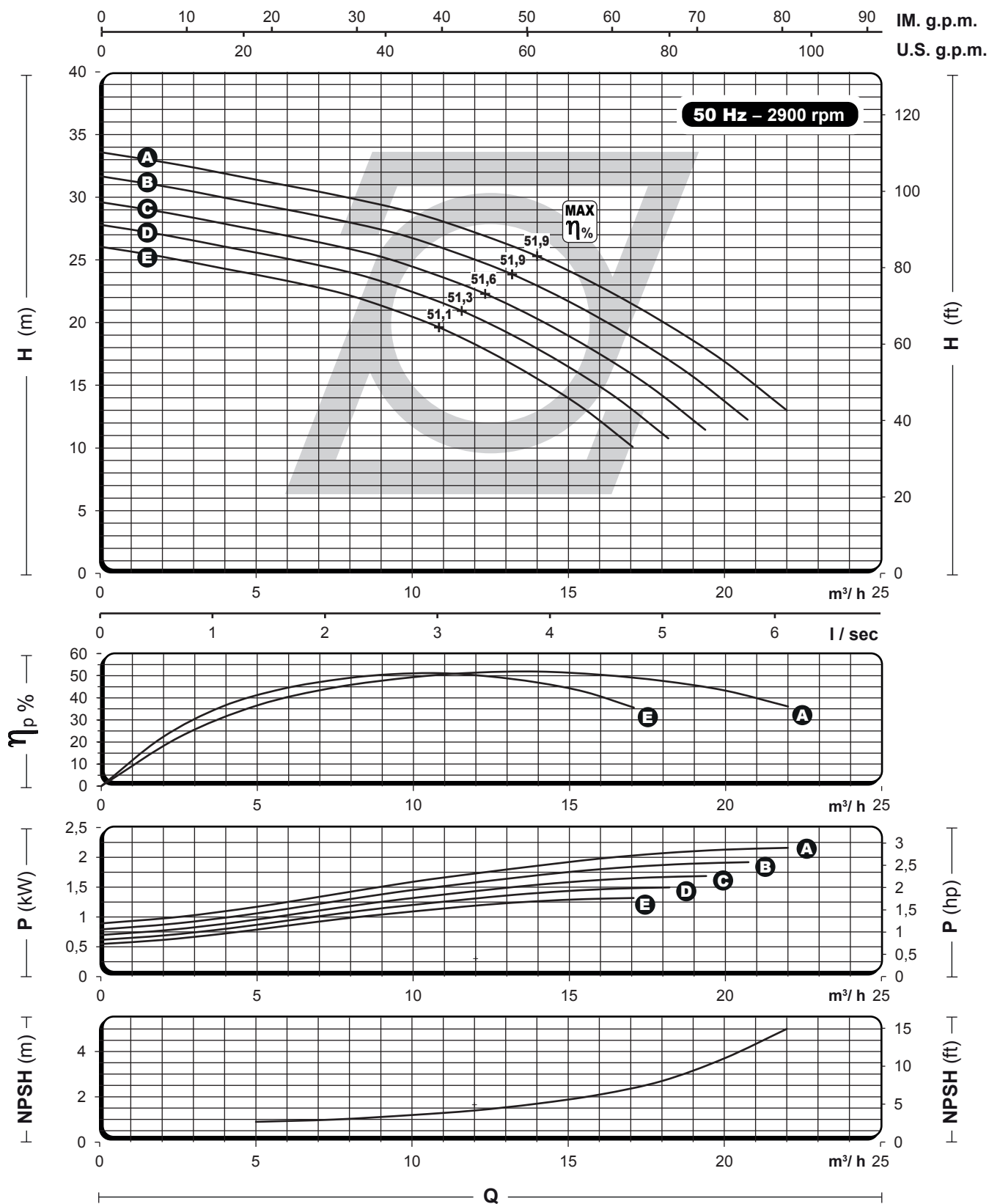
A = Ø 155 mm

B = Ø 150.5 mm

C = Ø 145.5 mm

D = Ø 141 mm

E = Ø 136.5 mm





inox

Pump Type		Q												
HM - HMM	HMVM	HMV	m³/h	0	1	2	4	5	6	6.8	8	8.8	10	10.7
			l/sec	0	0.3	0.7	1.0	1.4	1.6	1.9	2.2	2.4	2.7	3.0
25.AI/1	25.AI/1	H (m) — P1 (kW)	H	7.8	7.7	7.4	7.1	6.8	6.4	6.0	5.4	4.8	4.0	3.1
			P1	0.10	0.12	0.13	0.16	0.18	0.20	0.21	0.23	0.24	0.25	0.25
25.AI/2	25.AI/2		H	15.7	15.4	14.9	14.3	13.6	12.9	12.0	10.8	9.5	8.0	6.2
			P1	0.20	0.23	0.27	0.32	0.4	0.40	0.43	0.46	0.48	0.49	0.50
25.AI/3	25.AI/3		H	23.5	23.1	22.3	21.4	20.4	19.3	18.0	16.3	14.3	12.0	9.2
			P1	0.30	0.35	0.40	0.48	0.55	0.60	0.64	0.68	0.71	0.74	0.75
25.AI/4	25.AI/4		H	31.3	30.8	29.7	28.6	27.3	25.7	23.9	21.7	19.0	16.0	12.3
			P1	0.40	0.46	0.54	0.64	0.73	0.80	0.86	0.91	0.95	0.98	0.99
25.AI/5	25.AI/5		H	39.2	38.6	37.1	35.7	34.1	32.2	29.9	27.1	23.8	20.0	15.4
			P1	0.50	0.58	0.67	0.79	0.91	1.00	1.07	1.14	1.19	1.23	1.24
25.AI/6	25.AI/6		H	47.0	46.3	44.6	42.9	40.9	38.6	35.9	32.5	28.5	24.0	18.5
			P1	0.60	0.69	0.81	0.95	1.10	1.19	1.28	1.37	1.43	1.47	1.49
25.AI/7	25.AI/7		H	54.8	54.0	52.0	50.0	47.7	45.0	41.9	37.9	33.3	28.0	21.5
			P1	0.70	0.81	0.94	1.11	1.28	1.39	1.50	1.59	1.67	1.72	1.74
25.AI/8	25.AI/8		H	62.6	61.7	59.4	57.2	54.5	51.5	47.9	43.3	38.0	32.0	24.6
			P1	0.80	0.92	1.08	1.27	1.46	1.59	1.71	1.82	1.91	1.96	1.99
25.AI/9	25.AI/9		H	70.5	69.4	66.9	64.3	61.3	57.9	53.9	48.8	42.8	36.0	27.7
			P1	0.90	1.04	1.21	1.43	1.65	1.79	1.93	2.05	2.14	2.21	2.24
25.AI/10	25.AI/10		H	78.3	77.1	74.3	71.4	68.1	64.3	59.9	54.2	47.6	40.0	30.8
			P1	1.00	1.15	1.35	1.59	1.83	1.99	2.14	2.28	2.38	2.45	2.49
25.AI/11	25.AI/11		H	86.1	84.8	81.7	78.6	74.9	70.8	65.8	59.6	52.3	44.0	33.8
			P1	1.10	1.27	1.48	1.75	2.01	2.19	2.35	2.51	2.62	2.70	2.73
25.AI/12	25.AI/12		H	94.0	92.5	89.1	85.7	81.8	77.2	71.8	65.0	57.1	48.0	36.9
			P1	1.20	1.38	1.62	1.91	2.20	2.39	2.57	2.73	2.86	2.94	2.98
25.AI/13	25.AI/13		H	101.8	100.3	96.6	92.9	88.6	83.7	77.8	70.4	61.8	52.0	40.0
			P1	1.30	1.50	1.75	2.06	2.38	2.59	2.78	2.96	3.10	3.19	3.23
25.AI/14	25.AI/14		H	109.6	108.0	104.0	100.0	95.4	90.1	83.8	75.8	66.6	56.0	43.1
			P1	1.40	1.61	1.88	2.22	2.56	2.79	3.00	3.19	3.33	3.43	3.48
25.AI/15	-		H	117.5	115.7	111.4	107.2	102.2	96.5	89.8	81.3	71.3	60.0	46.1
			P1	1.50	1.73	2.02	2.38	2.74	2.99	3.21	3.42	3.57	3.68	3.73
25.AI/16	-		H	125.3	123.4	118.9	114.3	109.0	103.0	95.8	86.7	76.1	64.0	49.2
			P1	1.60	1.84	2.15	2.54	2.93	3.19	3.42	3.65	3.81	3.92	3.98
25.AI/17	-		H	133.1	131.1	126.3	121.5	115.8	109.4	101.8	92.1	80.8	68.0	52.3
			P1	1.70	1.96	2.29	2.70	3.11	3.38	3.64	3.87	4.05	4.17	4.23
25.AI/18	-		H	141.0	138.8	133.7	128.6	122.6	115.8	107.7	97.5	85.6	72.0	55.4
			P1	1.80	2.07	2.42	2.86	3.29	3.58	3.85	4.10	4.29	4.41	4.47
25.AI/19	-		H	148.8	146.5	141.1	135.7	129.5	122.3	113.7	102.9	90.3	76.0	58.4
			P1	1.90	2.19	2.56	3.02	3.48	3.78	4.07	4.33	4.53	4.66	4.72
25.AI/20	-		H	156.6	154.2	148.6	142.9	136.3	128.7	119.7	108.4	95.1	80.0	61.5
			P1	2.00	2.30	2.69	3.18	3.66	3.98	4.28	4.56	4.76	4.90	4.97
25.AI/21	-		H	164.4	162.0	156.0	150.0	143.1	135.1	125.7	113.8	99.9	84.0	64.6
			P1	2.10	2.42	2.83	3.33	3.84	4.18	4.49	4.78	5.00	5.15	5.22
25.AI/22	-		H	172.3	169.7	163.4	157.2	149.9	141.6	131.7	119.2	104.6	88.0	67.7
			P1	2.20	2.53	2.96	3.49	4.03	4.38	4.71	5.01	5.24	5.39	5.47
25.AI/23	-		H	180.1	177.4	170.9	164.3	156.7	148.0	137.7	124.6	109.4	92.0	70.7
			P1	2.30	2.65	3.10	3.65	4.21	4.58	4.92	5.24	5.48	5.64	5.72
25.AI/24	-		H	187.9	185.1	178.3	171.5	163.5	154.4	143.7	130.0	114.1	96.0	73.8
			P1	2.40	2.76	3.23	3.81	4.39	4.78	5.14	5.47	5.72	5.88	5.97
25.AI/25	-		H	195.8	192.8	185.7	178.6	170.3	160.9	149.6	135.4	118.9	100.0	76.9
			P1	2.50	2.88	3.37	3.97	4.57	4.98	5.35	5.70	5.95	6.13	6.21



POMPE ZANNI®

PERFORMANCE
CURVES

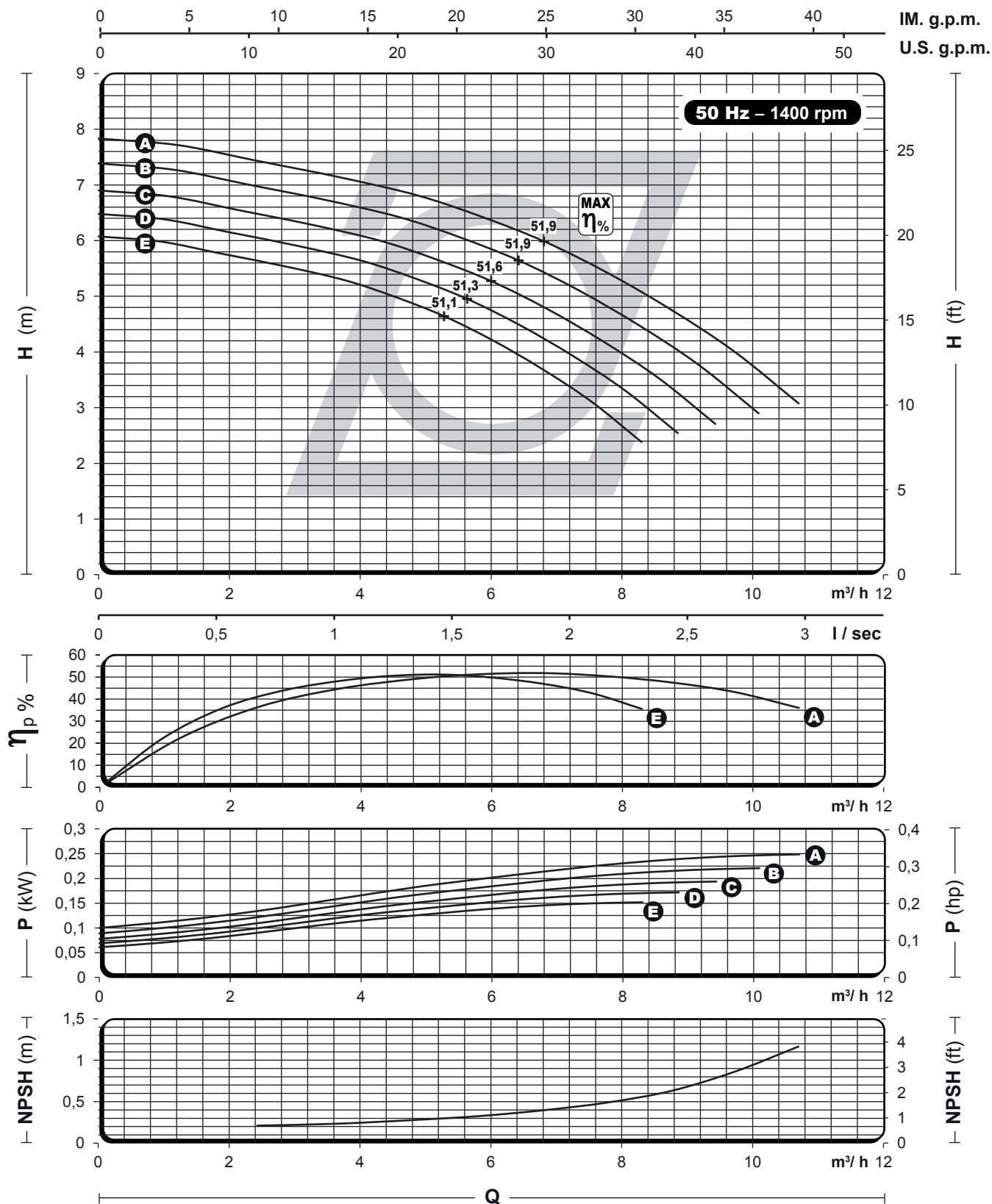
25.A - 1400 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

inox

IMPELLER:

- A** = Ø 155 mm **C** = Ø 145.5 mm
B = Ø 150.5 mm **D** = Ø 141 mm
E = Ø 136.5 mm





Pump Type			Q											
HM - HMM HMVM	HMR	HMV	m³/h	0	5	10	15	20	25	30	33	35	38	40
			l/sec	0	1.4	2.8	4.2	5.6	6.9	8.3	9.0	9.7	10.4	11.1
32.A/1	32.A/1	32.A/1	H	48.0	47.5	46.5	45.1	42.4	38.2	32.9	30.0	27.0	23.6	19.5
			P1	2.40	2.79	3.18	3.62	4.09	4.49	4.73	4.83	4.92	5.00	5.06
32.A/2	32.A/2	32.A/2	H	96.0	95.0	93.0	90.2	84.8	76.4	65.8	60.0	54.0	47.2	39.0
			P1	4.8	5.6	6.4	7.2	8.2	9.0	9.5	9.7	9.8	10.0	10.1
32.A/3	32.A/3	32.A/3	H	144.0	142.5	139.5	135.3	127.2	114.6	98.7	90.0	81.0	70.8	58.5
			P1	7.2	8.4	9.5	10.9	12.3	13.5	14.2	14.5	14.8	15.0	15.2
32.A/4	32.A/4	32.A/4	H	192.0	190.0	186.0	180.4	169.6	152.8	131.6	120.0	108.0	94.4	78.0
			P1	9.6	11.2	12.7	14.5	16.4	18.0	18.9	19.3	19.7	20.0	20.2
32.A/5	32.A/5	32.A/5	H	240.0	237.5	232.5	225.5	212.0	191.0	164.5	150.0	135.0	118.0	97.5
			P1	12.0	14.0	15.9	18.1	20.5	22.5	23.7	24.2	24.6	25.0	25.3
32.A/6	32.A/6	32.A/6	H	288.0	285.0	279.0	270.6	254.4	229.2	197.4	180.0	162.0	141.6	117.0
			P1	14.4	16.7	19.1	21.7	24.5	26.9	28.4	29.0	29.5	30.0	30.4
32.A/7	32.A/7	32.A/7	H	336.0	332.5	325.5	315.7	296.8	267.4	230.3	210.0	189.0	165.2	136.5
			P1	16.8	19.5	22.3	25.3	28.6	31.4	33.1	33.8	34.4	35.0	35.4
32.A/8	32.A/8	32.A/8	H	384.0	380.0	372.0	360.8	339.2	305.6	263.2	240.0	216.0	188.8	156.0
			P1	19.2	22.3	25.4	29.0	32.7	35.9	37.8	38.6	39.4	40.0	40.5
32.A/9	32.A/9	32.A/9	H	432.0	427.5	418.5	405.9	381.6	343.8	296.1	270.0	243.0	212.4	175.5
			P1	21.6	25.1	28.6	32.6	36.8	40.4	42.6	43.5	44.3	45.0	45.5
32.A/10	32.A/10	32.A/10	H	480.0	475.0	465.0	451.0	424.0	382.0	329.0	300.0	270.0	236.0	195.0
			P1	24.0	27.9	31.8	36.2	40.9	44.9	47.3	48.3	49.2	50.0	50.6
32.A/11	32.A/11	32.A/11	H	528.0	522.5	511.5	496.1	466.4	420.2	361.9	330.0	297.0	259.6	214.5
			P1	26.4	30.7	35.0	39.8	45.0	49.4	52.0	53.1	54.1	55.0	55.7
32.A/12	32.A/12	-	H	576.0	570.0	558.0	541.2	508.8	458.4	394.8	360.0	324.0	283.2	234.0
			P1	28.8	33.5	38.2	43.4	49.1	53.9	56.8	58.0	59.0	60.0	60.7
32.A/13	32.A/13	-	H	624.0	617.5	604.5	586.3	551.2	496.6	427.7	390.0	351.0	306.8	253.5
			P1	31.2	36.3	41.3	47.1	53.2	58.4	61.5	62.8	64.0	65.0	65.8
-	32.A/14	-	H	672.0	665.0	651.0	631.4	593.6	534.8	460.6	420.0	378.0	330.4	273.0
			P1	33.6	39.1	44.5	50.7	57.3	62.9	66.2	67.6	68.9	70.0	70.8
-	32.A/15	-	H	720.0	712.5	697.5	676.5	636.0	573.0	493.5	450.0	405.0	354.0	292.5
			P1	36.0	41.9	47.7	54.3	61.4	67.4	71.0	72.5	73.8	75.0	75.9
-	32.A/16	-	H	768.0	760.0	744.0	721.6	678.4	611.2	526.4	480.0	432.0	377.6	312.0
			P1	38.4	44.6	50.9	57.9	65.4	71.8	75.7	77.3	78.7	80.0	81.0
-	32.A/17	-	H	816.0	807.5	790.5	766.7	720.8	649.4	559.3	510.0	459.0	401.2	331.5
			P1	40.8	47.4	54.1	61.5	69.5	76.3	80.4	82.1	83.6	85.0	86.0
-	32.A/18	-	H	864.0	855.0	837.0	811.8	763.2	687.6	592.2	540.0	486.0	424.8	351.0
			P1	43.2	50.2	57.2	65.2	73.6	80.8	85.1	86.9	88.6	90.0	91.1
-	32.A/19	-	H	912.0	902.5	883.5	856.9	805.6	725.8	625.1	570.0	513.0	448.4	370.5
			P1	45.6	53.0	60.4	68.8	77.7	85.3	89.9	91.8	93.5	95.0	96.1
-	32.A/20	-	H	960.0	950.0	930.0	902.0	848.0	764.0	658.0	600.0	540.0	472.0	390.0
			P1	48.0	55.8	63.6	72.4	81.8	89.8	94.6	96.6	98.4	100.0	101.2



POMPE ZANNI®

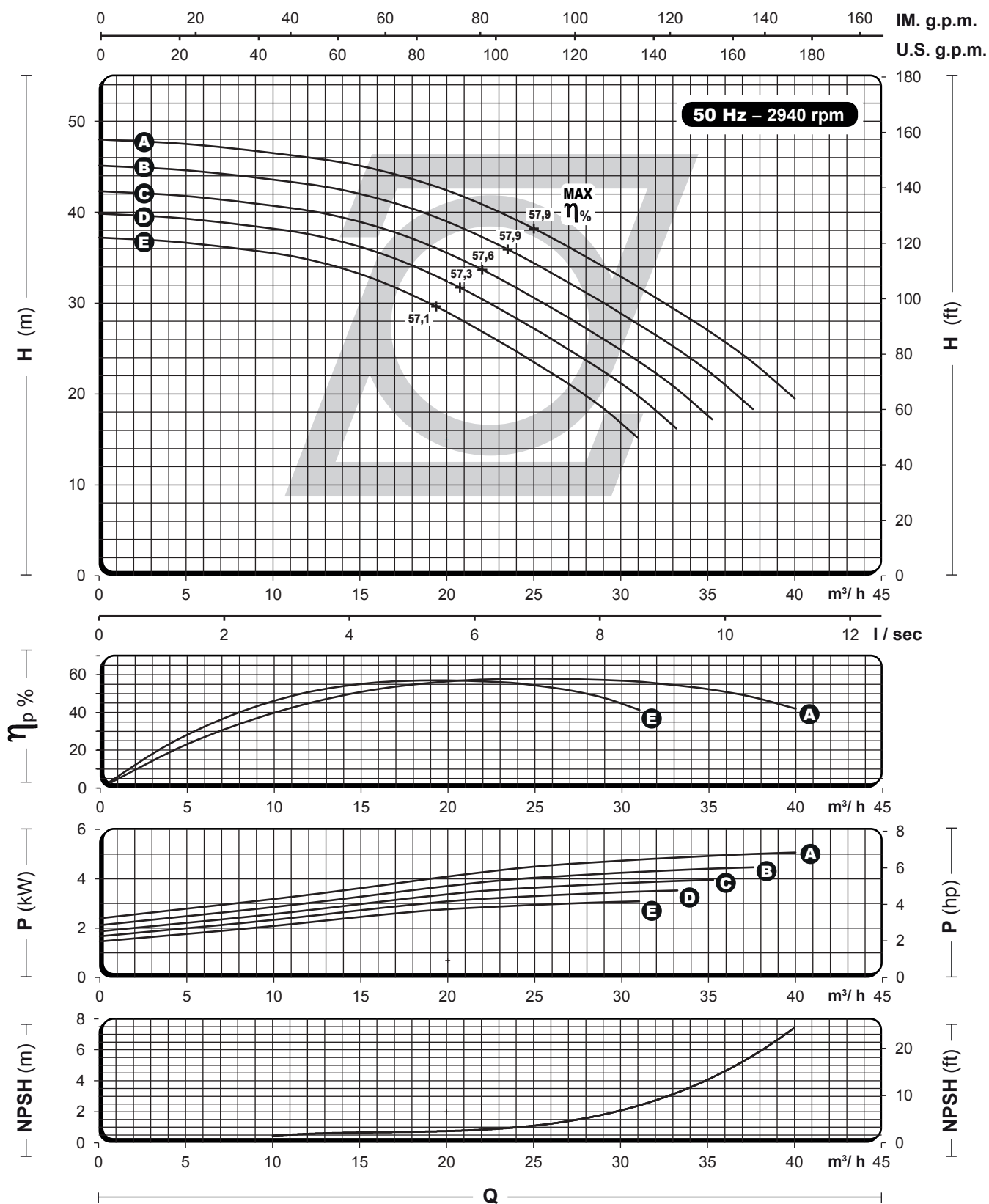
PERFORMANCE
CURVES

32.A - 2940 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 180 mm **C** = Ø 169 mm
B = Ø 174.5 mm **D** = Ø 164 mm
E = Ø 158.5 mm





Pump Type		Q												
HM - HMM		m³/h	0	2	5	7	10	12	14.6	16	17.0	18	19.5	
HMVM - HMR	HMV	l/sec	0	0.7	1.4	2.0	2.7	3.4	4.1	4.4	4.7	5.1	5.4	
32.AI/1	32.AI/1	H (m) — P1 (kW)	H	11.4	11.2	11.0	10.7	10.0	9.0	7.8	7.1	6.4	5.6	4.6
	P1		0.28	0.32	0.37	0.42	0.47	0.52	0.54	0.56	0.57	0.58	0.58	
32.AI/2	32.AI/2		H	22.7	22.5	22.0	21.3	20.1	18.1	15.6	14.2	12.8	11.2	9.2
	P1		0.55	0.64	0.73	0.83	0.9	1.03	1.09	1.11	1.13	1.15	1.16	
32.AI/3	32.AI/3		H	34.1	33.7	33.0	32.0	30.1	27.1	23.4	21.3	19.2	16.7	13.8
	P1		0.83	0.96	1.10	1.25	1.41	1.55	1.63	1.67	1.70	1.73	1.75	
32.AI/4	32.AI/4		H	45.4	45.0	44.0	42.7	40.1	36.1	31.1	28.4	25.6	22.3	18.5
	P1		1.10	1.28	1.46	1.67	1.88	2.07	2.18	2.22	2.26	2.30	2.33	
32.AI/5	32.AI/5		H	56.8	56.2	55.0	53.3	50.2	45.2	38.9	35.5	31.9	27.9	23.1
	P1		1.38	1.61	1.83	2.08	2.35	2.58	2.72	2.78	2.83	2.88	2.91	
32.AI/6	32.AI/6		H	68.1	67.4	66.0	64.0	60.2	54.2	46.7	42.6	38.3	33.5	27.7
	P1		1.66	1.93	2.20	2.50	2.82	3.10	3.27	3.33	3.40	3.45	3.49	
32.AI/7	32.AI/7		H	79.5	78.7	77.0	74.7	70.2	63.3	54.5	49.7	44.7	39.1	32.3
	P1		1.93	2.25	2.56	2.92	3.29	3.62	3.81	3.89	3.96	4.03	4.08	
32.AI/8	32.AI/8		H	90.8	89.9	88.0	85.4	80.2	72.3	62.3	56.8	51.1	44.7	36.9
	P1		2.21	2.57	2.93	3.33	3.77	4.13	4.35	4.45	4.53	4.60	4.66	
32.AI/9	32.AI/9		H	102.2	101.1	99.0	96.0	90.3	81.3	70.1	63.9	57.5	50.2	41.5
	P1		2.49	2.89	3.29	3.75	4.24	4.65	4.90	5.00	5.10	5.18	5.24	
32.AI/10	32.AI/10		H	113.6	112.4	110.0	106.7	100.3	90.4	77.8	71.0	63.9	55.8	46.1
	P1		2.76	3.21	3.66	4.17	4.71	5.17	5.44	5.56	5.66	5.75	5.82	
32.AI/11	32.AI/11		H	124.9	123.6	121.0	117.4	110.3	99.4	85.6	78.1	70.3	61.4	50.7
	P1		3.04	3.53	4.03	4.58	5.18	5.68	5.99	6.11	6.23	6.33	6.40	
32.AI/12	-		H	136.3	134.9	132.0	128.0	120.4	108.4	93.4	85.2	76.7	67.0	55.4
	P1		3.31	3.85	4.39	5.00	5.65	6.20	6.53	6.67	6.79	6.90	6.99	
32.AI/13	-		H	147.6	146.1	143.0	138.7	130.4	117.5	101.2	92.3	83.0	72.6	60.0
	P1	3.59	4.17	4.76	5.42	6.12	6.72	7.08	7.23	7.36	7.48	7.57		
32.AI/14	-	H	159.0	157.3	154.0	149.4	140.4	126.5	109.0	99.4	89.4	78.2	64.6	
	P1	3.87	4.49	5.12	5.83	6.59	7.23	7.62	7.78	7.93	8.05	8.15		
32.AI/15	-	H	170.3	168.6	165.0	160.0	150.5	135.6	116.8	106.5	95.8	83.7	69.2	
	P1	4.14	4.82	5.49	6.25	7.06	7.75	8.16	8.34	8.49	8.63	8.73		
32.AI/16	-	H	181.7	179.8	176.0	170.7	160.5	144.6	124.5	113.6	102.2	89.3	73.8	
	P1	4.42	5.14	5.85	6.66	7.53	8.27	8.71	8.89	9.06	9.21	9.32		
32.AI/17	-	H	193.0	191.0	187.0	181.4	170.5	153.6	132.3	120.7	108.6	94.9	78.4	
	P1	4.69	5.46	6.22	7.08	8.00	8.78	9.25	9.45	9.62	9.78	9.90		
32.AI/18	-	H	204.4	202.3	198.0	192.1	180.6	162.7	140.1	127.8	115.0	100.5	83.0	
	P1	4.97	5.78	6.59	7.50	8.47	9.30	9.80	10.00	10.19	10.36	10.48		
32.AI/19	-	H	215.8	213.5	209.0	202.7	190.6	171.7	147.9	134.9	121.4	106.1	87.7	
	P1	5.25	6.10	6.95	7.91	8.94	9.82	10.34	10.56	10.76	10.93	11.06		
32.AI/20	-	H	227.1	224.8	220.0	213.4	200.6	180.7	155.7	141.9	127.8	111.7	92.3	
	P1	5.52	6.42	7.32	8.33	9.41	10.33	10.89	11.12	11.32	11.51	11.65		
32.AI/21	-	H	238.5	236.0	231.0	224.1	210.7	189.8	163.5	149.0	134.1	117.2	96.9	
	P1	5.80	6.74	7.68	8.75	9.88	10.85	11.43	11.67	11.89	12.08	12.23		
32.AI/22	-	H	249.8	247.2	242.0	234.7	220.7	198.8	171.2	156.1	140.5	122.8	101.5	
	P1	6.08	7.06	8.05	9.16	10.35	11.37	11.97	12.23	12.46	12.66	12.81		
32.AI/23	-	H	261.2	258.5	253.0	245.4	230.7	207.9	179.0	163.2	146.9	128.4	106.1	
	P1	6.35	7.38	8.42	9.58	10.82	11.88	12.52	12.78	13.02	13.23	13.39		
32.AI/24	-	H	272.5	269.7	264.0	256.1	240.7	216.9	186.8	170.3	153.3	134.0	110.7	
	P1	6.63	7.71	8.78	10.00	11.30	12.40	13.06	13.34	13.59	13.81	13.97		
32.AI/25	-	H	283.9	280.9	275.0	266.7	250.8	225.9	194.6	177.4	159.7	139.6	115.3	
	P1	6.90	8.03	9.15	10.41	11.77	12.92	13.61	13.89	14.15	14.38	14.56		



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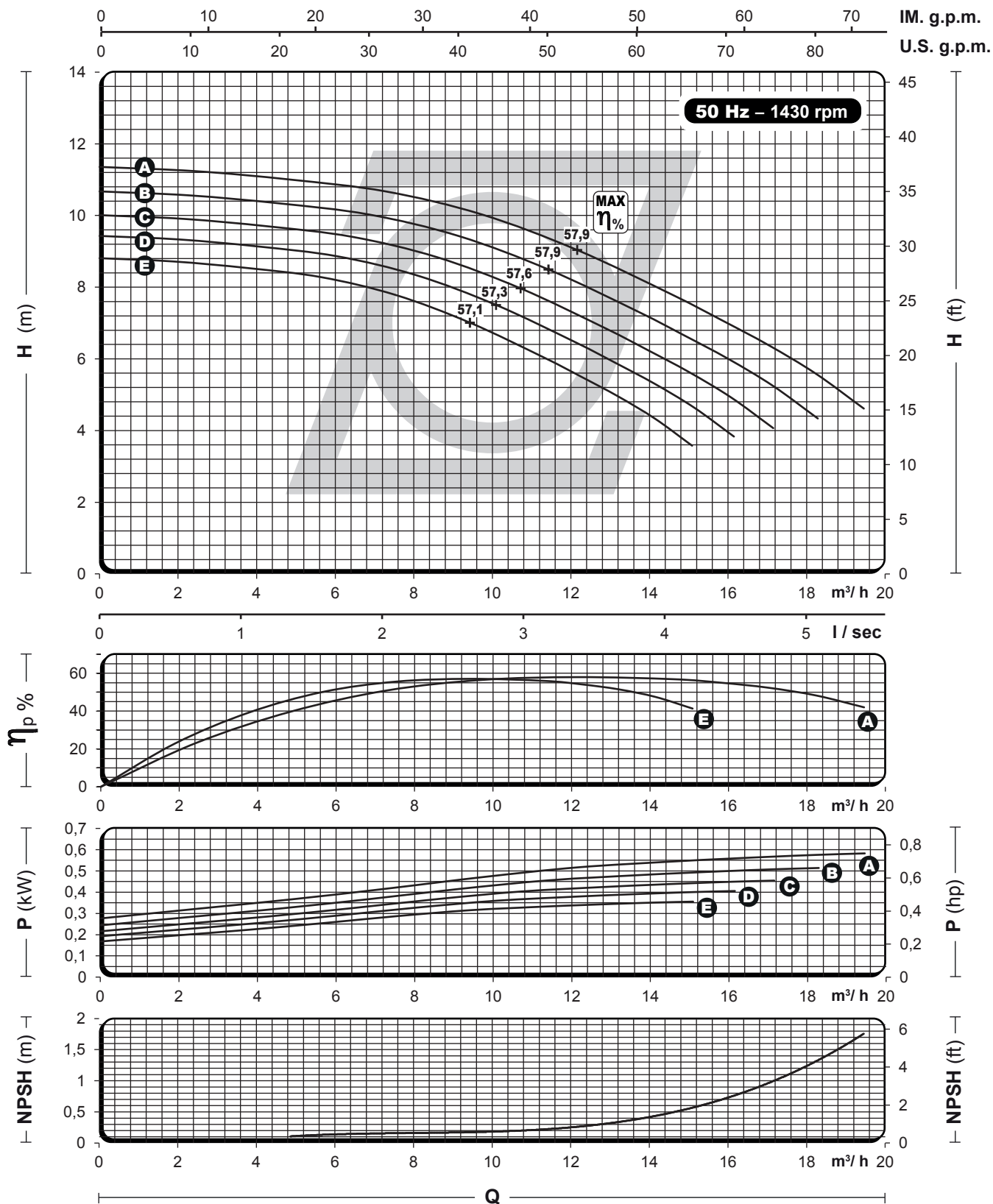
PERFORMANCE
CURVES

32.A - 1430 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 180 mm **C** = Ø 169 mm
B = Ø 174.5 mm **D** = Ø 164 mm
E = Ø 158.5 mm





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Pump Type			Q												
HM - HMM HMVM	HMR	HMV	m³/h	0	5	10	15	20	25	30	33	35	38	40	
			l/sec	0	1.4	2.8	4.2	5.6	6.9	8.3	9.0	9.7	10.4	11.1	
32.AI/1	32.AI/1	32.AI/1	H (m) — P1 (kW)	H	48.0	47.9	47.8	47.4	46.0	42.7	37.8	35.0	32.0	28.8	25.0
				P1	3.30	3.60	3.90	4.30	4.75	5.30	5.85	6.10	6.35	6.60	6.80
32.AI/2	32.AI/2	32.AI/2		H	96.0	95.8	95.6	94.8	92.0	85.4	75.6	70.0	64.0	57.6	50.0
				P1	6.6	7.2	7.8	8.6	9.5	10.6	11.7	12.2	12.7	13.2	13.6
32.AI/3	32.AI/3	32.AI/3		H	144.0	143.7	143.4	142.2	138.0	128.1	113.4	105.0	96.0	86.4	75.0
				P1	9.9	10.8	11.7	12.9	14.3	15.9	17.6	18.3	19.1	19.8	20.4
32.AI/4	32.AI/4	32.AI/4		H	192.0	191.6	191.2	189.6	184.0	170.8	151.2	140.0	128.0	115.2	100.0
				P1	13.2	14.4	15.6	17.2	19.0	21.2	23.4	24.4	25.4	26.4	27.2
32.AI/5	32.AI/5	32.AI/5		H	240.0	239.5	239.0	237.0	230.0	213.5	189.0	175.0	160.0	144.0	125.0
				P1	16.5	18.0	19.5	21.5	23.8	26.5	29.3	30.5	31.8	33.0	34.0
32.AI/6	32.AI/6	32.AI/6		H	288.0	287.4	286.8	284.4	276.0	256.2	226.8	210.0	192.0	172.8	150.0
				P1	19.8	21.6	23.4	25.8	28.5	31.8	35.1	36.6	38.1	39.6	40.8
32.AI/7	32.AI/7	32.AI/7		H	336.0	335.3	334.6	331.8	322.0	298.9	264.6	245.0	224.0	201.6	175.0
				P1	23.1	25.2	27.3	30.1	33.3	37.1	41.0	42.7	44.5	46.2	47.6
32.AI/8	32.AI/8	32.AI/8		H	384.0	383.2	382.4	379.2	368.0	341.6	302.4	280.0	256.0	230.4	200.0
				P1	26.4	28.8	31.2	34.4	38.0	42.4	46.8	48.8	50.8	52.8	54.4
32.AI/9	32.AI/9	32.AI/9		H	432.0	431.1	430.2	426.6	414.0	384.3	340.2	315.0	288.0	259.2	225.0
				P1	29.7	32.4	35.1	38.7	42.8	47.7	52.7	54.9	57.2	59.4	61.2
32.AI/10	32.AI/10	32.AI/10		H	480.0	479.0	478.0	474.0	460.0	427.0	378.0	350.0	320.0	288.0	250.0
				P1	33.0	36.0	39.0	43.0	47.5	53.0	58.5	61.0	63.5	66.0	68.0
32.AI/11	32.AI/11	32.AI/11	H	528.0	526.9	525.8	521.4	506.0	469.7	415.8	385.0	352.0	316.8	275.0	
			P1	36.3	39.6	42.9	47.3	52.3	58.3	64.4	67.1	69.9	72.6	74.8	
32.AI/12	32.AI/12	-	H	576.0	574.8	573.6	568.8	552.0	512.4	453.6	420.0	384.0	345.6	300.0	
			P1	39.6	43.2	46.8	51.6	57.0	63.6	70.2	73.2	76.2	79.2	81.6	
32.AI/13	32.AI/13	-	H	624.0	622.7	621.4	616.2	598.0	555.1	491.4	455.0	416.0	374.4	325.0	
			P1	42.9	46.8	50.7	55.9	61.8	68.9	76.1	79.3	82.6	85.8	88.4	
-	32.AI/14	-	H	672.0	670.6	669.2	663.6	644.0	597.8	529.2	490.0	448.0	403.2	350.0	
			P1	46.2	50.4	54.6	60.2	66.5	74.2	81.9	85.4	88.9	92.4	95.2	
-	32.AI/15	-	H	720.0	718.5	717.0	711.0	690.0	640.5	567.0	525.0	480.0	432.0	375.0	
			P1	49.5	54.0	58.5	64.5	71.3	79.5	87.8	91.5	95.3	99.0	102.0	
-	32.AI/16	-	H	768.0	766.4	764.8	758.4	736.0	683.2	604.8	560.0	512.0	460.8	400.0	
			P1	52.8	57.6	62.4	68.8	76.0	84.8	93.6	97.6	101.6	105.6	108.8	
-	32.AI/17	-	H	816.0	814.3	812.6	805.8	782.0	725.9	642.6	595.0	544.0	489.6	425.0	
			P1	56.1	61.2	66.3	73.1	80.8	90.1	99.5	103.7	108.0	112.2	115.6	
-	32.AI/18	-	H	864.0	862.2	860.4	853.2	828.0	768.6	680.4	630.0	576.0	518.4	450.0	
			P1	59.4	64.8	70.2	77.4	85.5	95.4	105.3	109.8	114.3	118.8	122.4	
-	32.AI/19	-	H	912.0	910.1	908.2	900.6	874.0	811.3	718.2	665.0	608.0	547.2	475.0	
			P1	62.7	68.4	74.1	81.7	90.3	100.7	111.2	115.9	120.7	125.4	129.2	
-	32.AI/20	-	H	960.0	958.0	956.0	948.0	920.0	854.0	756.0	700.0	640.0	576.0	500.0	
			P1	66.0	72.0	78.0	86.0	95.0	106.0	117.0	122.0	127.0	132.0	136.0	



POMPE ZANNI®

PERFORMANCE
CURVES

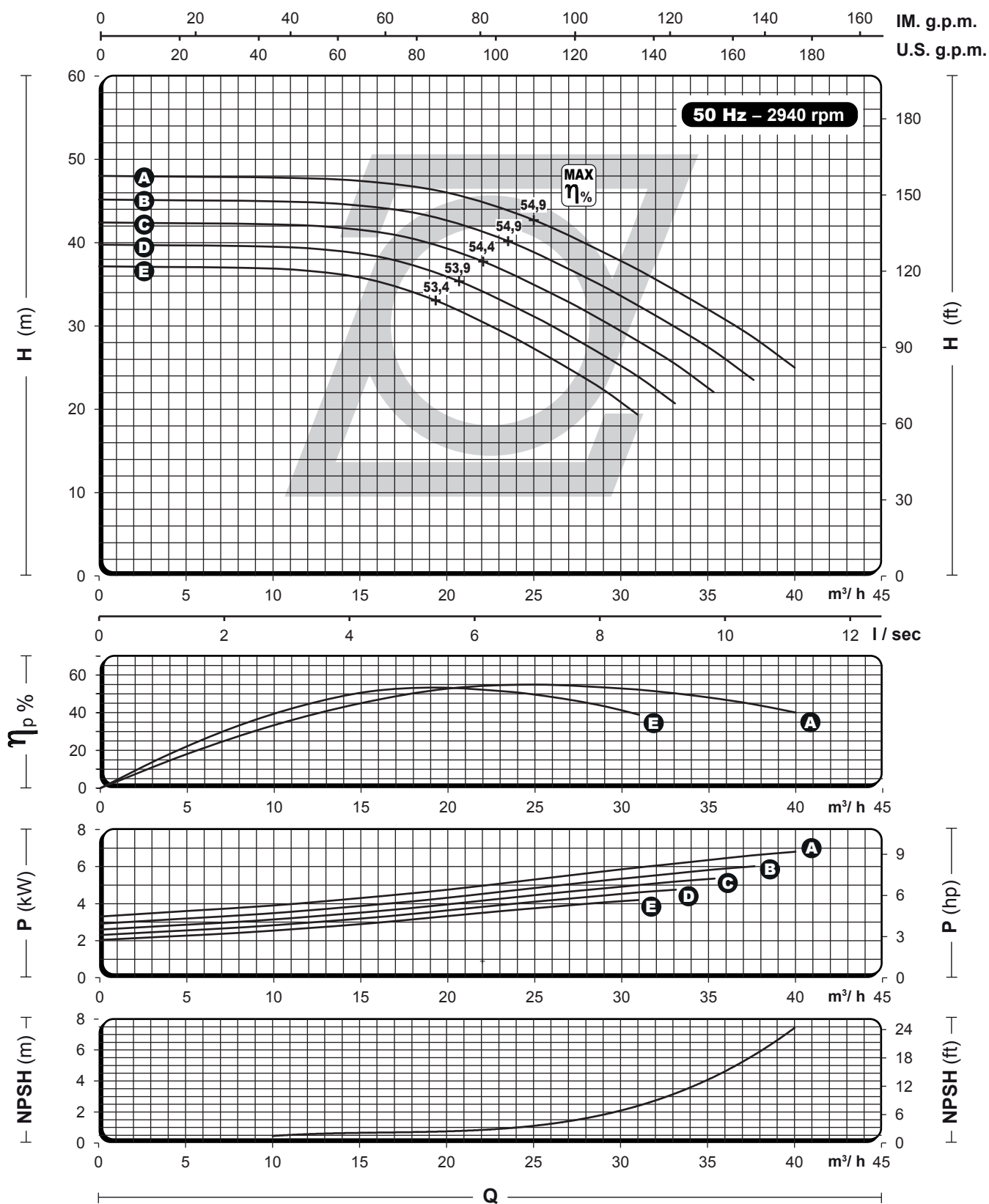
32.A - 2940 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

inox

IMPELLER:

- A** = Ø 180 mm **C** = Ø 169 mm
B = Ø 174.5 mm **D** = Ø 164 mm
E = Ø 158.5 mm





inox

Pump Type		Q												
HM - HMM	HMVM - HMR	HMV	m³/h	0	2	5	7	10	12	14.6	16	17.0	18	19.5
			l/sec	0	0.7	1.4	2.0	2.7	3.4	4.1	4.4	4.7	5.1	5.4
32.AI/1	32.AI/1	H — P1 (kW) — H (m)	H	11.4	11.3	11.3	11.2	10.9	10.1	8.9	8.3	7.6	6.8	5.9
			P1	0.38	0.41	0.45	0.49	0.55	0.61	0.67	0.70	0.73	0.76	0.78
32.AI/2	32.AI/2		H	22.7	22.7	22.6	22.4	21.8	20.2	17.9	16.6	15.1	13.6	11.8
			P1	0.76	0.83	0.90	0.99	1.1	1.22	1.35	1.40	1.46	1.52	1.56
32.AI/3	32.AI/3		H	34.1	34.0	33.9	33.6	32.6	30.3	26.8	24.8	22.7	20.4	17.7
			P1	1.14	1.24	1.35	1.48	1.64	1.83	2.02	2.11	2.19	2.28	2.35
32.AI/4	32.AI/4		H	45.4	45.3	45.2	44.9	43.5	40.4	35.8	33.1	30.3	27.3	23.7
			P1	1.52	1.66	1.80	1.98	2.19	2.44	2.69	2.81	2.92	3.04	3.13
32.AI/5	32.AI/5		H	56.8	56.7	56.5	56.1	54.4	50.5	44.7	41.4	37.9	34.1	29.6
			P1	1.90	2.07	2.24	2.47	2.73	3.05	3.37	3.51	3.65	3.80	3.91
32.AI/6	32.AI/6		H	68.1	68.0	67.9	67.3	65.3	60.6	53.7	49.7	45.4	40.9	35.5
			P1	2.28	2.49	2.69	2.97	3.28	3.66	4.04	4.21	4.38	4.56	4.69
32.AI/7	32.AI/7		H	79.5	79.3	79.2	78.5	76.2	70.7	62.6	58.0	53.0	47.7	41.4
			P1	2.66	2.90	3.14	3.46	3.83	4.27	4.71	4.91	5.11	5.32	5.48
32.AI/8	32.AI/8		H	90.8	90.7	90.5	89.7	87.1	80.8	71.5	66.2	60.6	54.5	47.3
			P1	3.04	3.31	3.59	3.96	4.37	4.88	5.39	5.62	5.85	6.08	6.26
32.AI/9	32.AI/9		H	102.2	102.0	101.8	100.9	97.9	90.9	80.5	74.5	68.1	61.3	53.2
			P1	3.42	3.73	4.04	4.45	4.92	5.49	6.06	6.32	6.58	6.84	7.04
32.AI/10	32.AI/10		H	113.6	113.3	113.1	112.1	108.8	101.0	89.4	82.8	75.7	68.1	59.1
			P1	3.80	4.14	4.49	4.95	5.47	6.10	6.73	7.02	7.31	7.59	7.82
32.AI/11	32.AI/11		H	124.9	124.7	124.4	123.4	119.7	111.1	98.4	91.1	83.3	74.9	65.1
			P1	4.18	4.56	4.94	5.44	6.01	6.71	7.40	7.72	8.04	8.35	8.61
32.AI/12	-		H	136.3	136.0	135.7	134.6	130.6	121.2	107.3	99.4	90.8	81.8	71.0
			P1	4.56	4.97	5.39	5.94	6.56	7.32	8.08	8.42	8.77	9.11	9.39
32.AI/13	-		H	147.6	147.3	147.0	145.8	141.5	131.3	116.3	107.6	98.4	88.6	76.9
			P1	4.94	5.39	5.83	6.43	7.11	7.93	8.75	9.13	9.50	9.87	10.17
32.AI/14	-		H	159.0	158.7	158.3	157.0	152.4	141.4	125.2	115.9	106.0	95.4	82.8
			P1	5.32	5.80	6.28	6.93	7.65	8.54	9.42	9.83	10.23	10.63	10.95
32.AI/15	-		H	170.3	170.0	169.6	168.2	163.2	151.5	134.1	124.2	113.6	102.2	88.7
			P1	5.70	6.21	6.73	7.42	8.20	9.15	10.10	10.53	10.96	11.39	11.74
32.AI/16	-		H	181.7	181.3	180.9	179.4	174.1	161.6	143.1	132.5	121.1	109.0	94.6
			P1	6.08	6.63	7.18	7.92	8.75	9.76	10.77	11.23	11.69	12.15	12.52
32.AI/17	-		H	193.0	192.6	192.2	190.6	185.0	171.7	152.0	140.8	128.7	115.8	100.5
			P1	6.46	7.04	7.63	8.41	9.29	10.37	11.44	11.93	12.42	12.91	13.30
32.AI/18	-		H	204.4	204.0	203.6	201.8	195.9	181.8	161.0	149.0	136.3	122.6	106.5
			P1	6.84	7.46	8.08	8.91	9.84	10.98	12.12	12.63	13.15	13.67	14.08
32.AI/19	-		H	215.8	215.3	214.9	213.1	206.8	191.9	169.9	157.3	143.8	129.5	112.4
			P1	7.21	7.87	8.53	9.40	10.39	11.59	12.79	13.34	13.88	14.43	14.87
32.AI/20	-		H	227.1	226.6	226.2	224.3	217.7	202.0	178.9	165.6	151.4	136.3	118.3
			P1	7.59	8.29	8.98	9.90	10.93	12.20	13.46	14.04	14.61	15.19	15.65
32.AI/21	-		H	238.5	238.0	237.5	235.5	228.5	212.1	187.8	173.9	159.0	143.1	124.2
			P1	7.97	8.70	9.42	10.39	11.48	12.81	14.14	14.74	15.34	15.95	16.43
32.AI/22	-		H	249.8	249.3	248.8	246.7	239.4	222.2	196.7	182.2	166.6	149.9	130.1
			P1	8.35	9.11	9.87	10.89	12.02	13.42	14.81	15.44	16.08	16.71	17.21
32.AI/23	-		H	261.2	260.6	260.1	257.9	250.3	232.3	205.7	190.4	174.1	156.7	136.0
			P1	8.73	9.53	10.32	11.38	12.57	14.03	15.48	16.14	16.81	17.47	18.00
32.AI/24	-		H	272.5	272.0	271.4	269.1	261.2	242.4	214.6	198.7	181.7	163.5	141.9
			P1	9.11	9.94	10.77	11.88	13.12	14.64	16.16	16.85	17.54	18.23	18.78
32.AI/25	-		H	283.9	283.3	282.7	280.3	272.1	252.5	223.6	207.0	189.3	170.3	147.9
			P1	9.49	10.36	11.22	12.37	13.66	15.25	16.83	17.55	18.27	18.99	19.56



POMPE ZANNI®

PERFORMANCE
CURVES

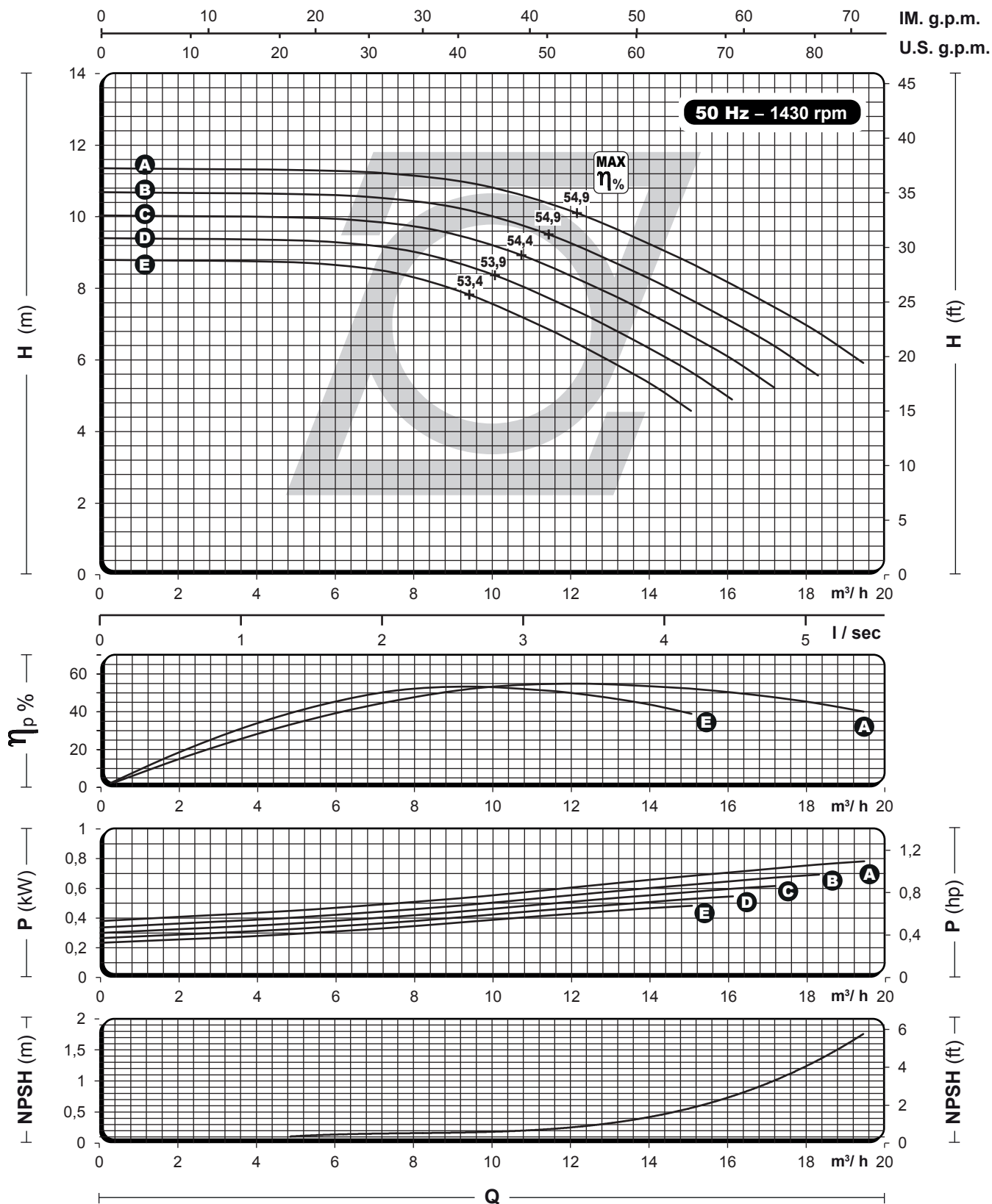
32.A - 1430 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

inox

IMPELLER:

- A** = Ø 180 mm **C** = Ø 169 mm
B = Ø 174.5 mm **D** = Ø 164 mm
E = Ø 158.5 mm



Pump Type			Q													
			m³/h	0	10	20	30	40	50	55	60	65	70	75		
HM - HMM	HMVM	HMR	HMV		l/sec	0	2.8	5.6	8.3	11.1	13.9	15.3	16.7	18.1	19.4	20.8
50.A/1	50.A/1	50.A/1	H (m) — P1 (kW)	H	57.4	56.5	55.0	52.2	48.0	41.7	38.0	34.0	29.7	25.5	21.0	
				P1	4.90	5.50	6.35	7.30	8.10	8.77	9.02	9.23	9.35	9.45	9.47	
50.A/2	50.A/2	50.A/2		H	114.8	113.0	110.0	104.4	96.0	83.4	76.0	68.0	59.4	51.0	42.0	
				P1	9.8	11.0	12.7	14.6	16.2	17.5	18.0	18.5	18.7	18.9	18.9	
50.A/3	50.A/3	50.A/3		H	172.2	169.5	165.0	156.6	144.0	125.1	114.0	102.0	89.1	76.5	63.0	
				P1	14.7	16.5	19.1	21.9	24.3	26.3	27.1	27.7	28.1	28.4	28.4	
50.A/4	50.A/4	50.A/4		H	229.6	226.0	220.0	208.8	192.0	166.8	152.0	136.0	118.8	102.0	84.0	
				P1	19.6	22.0	25.4	29.2	32.4	35.1	36.1	36.9	37.4	37.8	37.9	
50.A/5	50.A/5	50.A/5		H	287.0	282.5	275.0	261.0	240.0	208.5	190.0	170.0	148.5	127.5	105.0	
				P1	24.5	27.5	31.8	36.5	40.5	43.9	45.1	46.2	46.8	47.3	47.4	
50.A/6	50.A/6	50.A/6		H	344.4	339.0	330.0	313.2	288.0	250.2	228.0	204.0	178.2	153.0	126.0	
				P1	29.4	33.0	38.1	43.8	48.6	52.6	54.1	55.4	56.1	56.7	56.8	
50.A/7	50.A/7	50.A/7		H	401.8	395.5	385.0	365.4	336.0	291.9	266.0	238.0	207.9	178.5	147.0	
				P1	34.3	38.5	44.5	51.1	56.7	61.4	63.1	64.6	65.5	66.2	66.3	
50.A/8	50.A/8	50.A/8		H	459.2	452.0	440.0	417.6	384.0	333.6	304.0	272.0	237.6	204.0	168.0	
				P1	39.2	44.0	50.8	58.4	64.8	70.2	72.2	73.8	74.8	75.6	75.8	
50.A/9	50.A/9	50.A/9		H	516.6	508.5	495.0	469.8	432.0	375.3	342.0	306.0	267.3	229.5	189.0	
			P1	44.1	49.5	57.2	65.7	72.9	78.9	81.2	83.1	84.2	85.1	85.2		
50.A/10	50.A/10	-	H	574.0	565.0	550.0	522.0	480.0	417.0	380.0	340.0	297.0	255.0	210.0		
			P1	49.0	55.0	63.5	73.0	81.0	87.7	90.2	92.3	93.5	94.5	94.7		
50.A/11	50.A/11	-	H	631.4	621.5	605.0	574.2	528.0	458.7	418.0	374.0	326.7	280.5	231.0		
			P1	53.9	60.5	69.9	80.3	89.1	96.5	99.2	101.5	102.9	104.0	104.2		
-	50.A/12	-	H	688.8	678.0	660.0	626.4	576.0	500.4	456.0	408.0	356.4	306.0	252.0		
			P1	58.8	66.0	76.2	87.6	97.2	105.2	108.2	110.8	112.2	113.4	113.6		
-	50.A/13	-	H	746.2	734.5	715.0	678.6	624.0	542.1	494.0	442.0	386.1	331.5	273.0		
			P1	63.7	71.5	82.6	94.9	105.3	114.0	117.3	120.0	121.6	122.9	123.1		
-	50.A/14	-	H	803.6	791.0	770.0	730.8	672.0	583.8	532.0	476.0	415.8	357.0	294.0		
			P1	68.6	77.0	88.9	102.2	113.4	122.8	126.3	129.2	130.9	132.3	132.6		
-	50.A/15	-	H	861.0	847.5	825.0	783.0	720.0	625.5	570.0	510.0	445.5	382.5	315.0		
			P1	73.5	82.5	95.3	109.5	121.5	131.6	135.3	138.5	140.3	141.8	142.1		
-	50.A/16	-	H	918.4	904.0	880.0	835.2	768.0	667.2	608.0	544.0	475.2	408.0	336.0		
			P1	78.4	88.0	101.6	116.8	129.6	140.3	144.3	147.7	149.6	151.2	151.5		
-	50.A/17	-	H	975.8	960.5	935.0	887.4	816.0	708.9	646.0	578.0	504.9	433.5	357.0		
			P1	83.3	93.5	108.0	124.1	137.7	149.1	153.3	156.9	159.0	160.7	161.0		
									</							



POMPE ZANNI®

PERFORMANCE
CURVES

50.A - 2970 RPM
50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

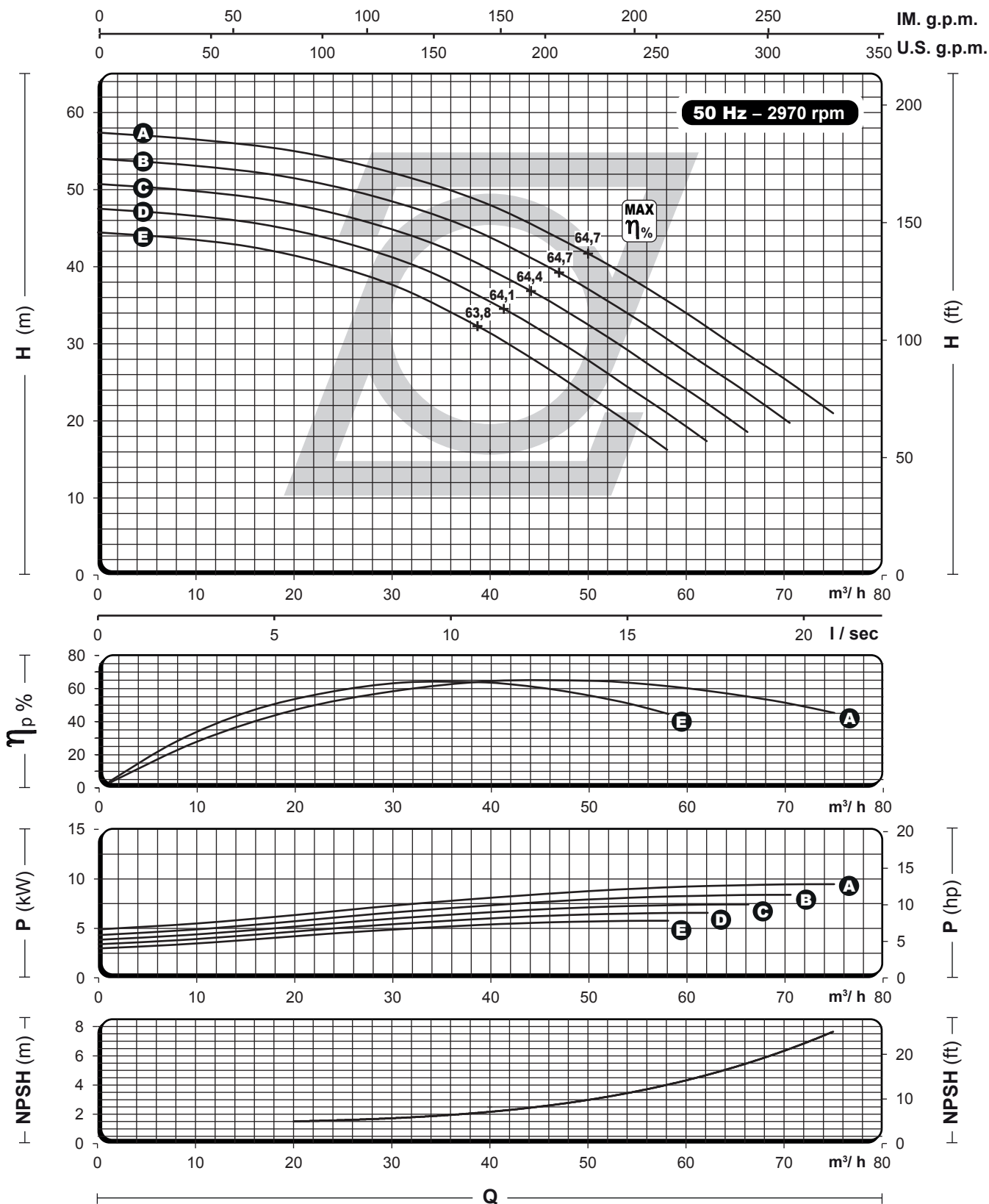
A = Ø 200 mm

B = Ø 194 mm

C = Ø 188 mm

D = Ø 182 mm

E = Ø 176 mm





Pump Type		Q											
HM - HMM	HMV	m³/h	0	5	10	15	20	25	27.5	30	32.5	35	37.5
HMR - HMVM	HMV	l/sec	0	1.4	2.8	4.2	5.6	6.9	7.6	8.3	9.0	9.7	10.4
50.A/1	50.A/1	H	14.4	14.1	13.8	13.1	12.0	10.4	9.5	8.5	7.4	6.4	5.3
		P1	0.61	0.69	0.79	0.91	1.01	1.10	1.13	1.15	1.17	1.18	1.18
50.A/2	50.A/2	H	28.7	28.3	27.5	26.1	24.0	20.9	19.0	17.0	14.9	12.8	10.5
		P1	1.23	1.38	1.59	1.83	2.0	2.19	2.26	2.31	2.34	2.36	2.37
50.A/3	50.A/3	H	43.1	42.4	41.3	39.2	36.0	31.3	28.5	25.5	22.3	19.1	15.8
		P1	1.84	2.06	2.38	2.74	3.04	3.29	3.38	3.46	3.51	3.54	3.55
50.A/4	50.A/4	H	57.4	56.5	55.0	52.2	48.0	41.7	38.0	34.0	29.7	25.5	21.0
		P1	2.45	2.75	3.18	3.65	4.05	4.39	4.51	4.62	4.68	4.73	4.74
50.A/5	50.A/5	H	71.8	70.6	68.8	65.3	60.0	52.1	47.5	42.5	37.1	31.9	26.3
		P1	3.06	3.44	3.97	4.56	5.06	5.48	5.64	5.77	5.84	5.91	5.92
50.A/6	50.A/6	H	86.1	84.8	82.5	78.3	72.0	62.6	57.0	51.0	44.6	38.3	31.5
		P1	3.68	4.13	4.76	5.48	6.08	6.58	6.77	6.92	7.01	7.09	7.10
50.A/7	50.A/7	H	100.5	98.9	96.3	91.4	84.0	73.0	66.5	59.5	52.0	44.6	36.8
		P1	4.29	4.81	5.56	6.39	7.09	7.67	7.89	8.08	8.18	8.27	8.29
50.A/8	50.A/8	H	114.8	113.0	110.0	104.4	96.0	83.4	76.0	68.0	59.4	51.0	42.0
		P1	4.90	5.50	6.35	7.30	8.10	8.77	9.02	9.23	9.35	9.45	9.47
50.A/9	50.A/9	H	129.2	127.1	123.8	117.5	108.0	93.8	85.5	76.5	66.8	57.4	47.3
		P1	5.51	6.19	7.14	8.21	9.11	9.87	10.15	10.38	10.52	10.63	10.65
50.A/10	50.A/10	H	143.5	141.3	137.5	130.5	120.0	104.3	95.0	85.0	74.3	63.8	52.5
		P1	6.13	6.88	7.94	9.13	10.13	10.96	11.28	11.54	11.69	11.81	11.84
50.A/11	-	H	157.9	155.4	151.3	143.6	132.0	114.7	104.5	93.5	81.7	70.1	57.8
		P1	6.74	7.56	8.73	10.04	11.14	12.06	12.40	12.69	12.86	12.99	13.02
50.A/12	-	H	172.2	169.5	165.0	156.6	144.0	125.1	114.0	102.0	89.1	76.5	63.0
		P1	7.35	8.25	9.53	10.95	12.15	13.16	13.53	13.85	14.03	14.18	14.21
50.A/13	-	H	186.6	183.6	178.8	169.7	156.0	135.5	123.5	110.5	96.5	82.9	68.3
		P1	7.96	8.94	10.32	11.86	13.16	14.25	14.66	15.00	15.19	15.36	15.39
50.A/14	-	H	200.9	197.8	192.5	182.7	168.0	146.0	133.0	119.0	104.0	89.3	73.5
		P1	8.58	9.63	11.11	12.78	14.18	15.35	15.79	16.15	16.36	16.54	16.57
50.A/15	-	H	215.3	211.9	206.3	195.8	180.0	156.4	142.5	127.5	111.4	95.6	78.8
		P1	9.19	10.31	11.91	13.69	15.19	16.44	16.91	17.31	17.53	17.72	17.76
50.A/16	-	H	229.6	226.0	220.0	208.8	192.0	166.8	152.0	136.0	118.8	102.0	84.0
		P1	9.80	11.00	12.70	14.60	16.20	17.54	18.04	18.46	18.70	18.90	18.94
50.A/17	-	H	244.0	240.1	233.8	221.9	204.0	177.2	161.5	144.5	126.2	108.4	89.3
		P1	10.41	11.69	13.49	15.51	17.21	18.64	19.17	19.61	19.87	20.08	20.12
50.A/18	-	H	258.3	254.3	247.5	234.9	216.0	187.7	171.0	153.0	133.7	114.8	94.5
		P1	11.03	12.38	14.29	16.43	18.23	19.73	20.30	20.77	21.04	21.26	21.31
50.A/19	-	H	272.7	268.4	261.3	248.0	228.0	198.1	180.5	161.5	141.1	121.1	99.8
		P1	11.64	13.06	15.08	17.34	19.24	20.83	21.42	21.92	22.21	22.44	22.49
50.A/20	-	H	287.0	282.5	275.0	261.0	240.0	208.5	190.0	170.0	148.5	127.5	105.0
		P1	12.25	13.75	15.88	18.25	20.25	21.93	22.55	23.08	23.38	23.63	23.68



POMPE ZANNI®

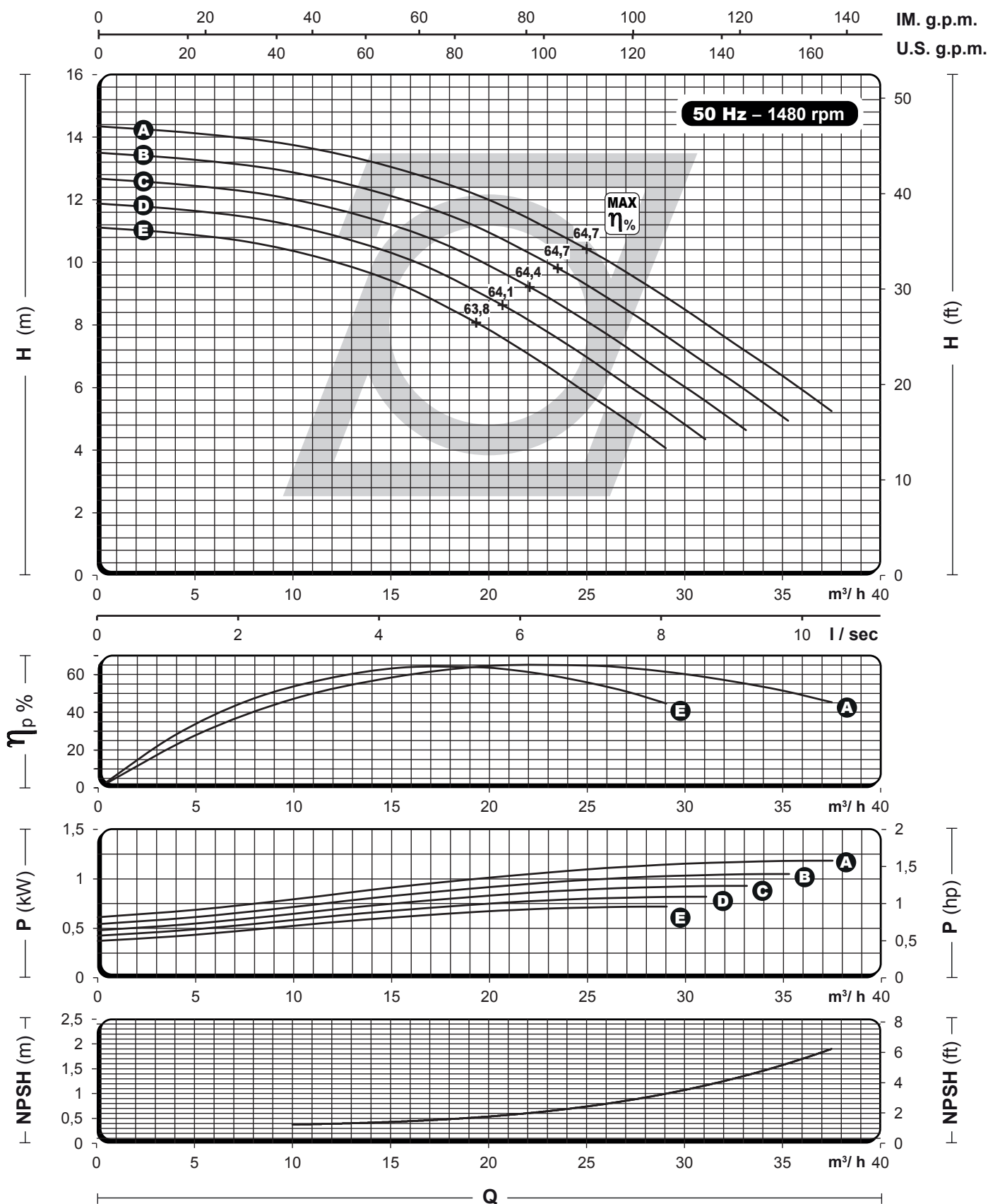
PERFORMANCE
CURVES

50.A - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 200 mm **C** = Ø 188 mm
B = Ø 194 mm **D** = Ø 182 mm
E = Ø 176 mm



Pump Type			Q												
HM - HMM	HMVM		m³/h	0	10	20	30	40	50	60	65	70	75	80	
	HMR	HMV	l/sec	0	2.8	5.6	8.3	11.1	13.9	16.7	18.1	19.4	20.8	22.2	
50.B/1	50.B/1	50.B/1	H (m) — P1 (kW)	H	62.5	62.0	60.6	58.8	55.8	51.5	46.0	42.8	39.0	34.2	28.0
				P1	5.30	6.15	7.20	8.30	9.55	10.70	11.70	12.20	12.70	13.15	13.60
50.B/2	50.B/2	50.B/2		H	125.0	124.0	121.2	117.6	111.6	103.0	92.0	85.6	78.0	68.4	56.0
				P1	10.6	12.3	14.4	16.6	19.1	21.4	23.4	24.4	25.4	26.3	27.2
50.B/3	50.B/3	50.B/3		H	187.5	186.0	181.8	176.4	167.4	154.5	138.0	128.4	117.0	102.6	84.0
				P1	15.9	18.5	21.6	24.9	28.7	32.1	35.1	36.6	38.1	39.5	40.8
50.B/4	50.B/4	50.B/4		H	250.0	248.0	242.4	235.2	223.2	206.0	184.0	171.2	156.0	136.8	112.0
				P1	21.2	24.6	28.8	33.2	38.2	42.8	46.8	48.8	50.8	52.6	54.4
50.B/5	50.B/5	50.B/5		H	312.5	310.0	303.0	294.0	279.0	257.5	230.0	214.0	195.0	171.0	140.0
				P1	26.5	30.8	36.0	41.5	47.8	53.5	58.5	61.0	63.5	65.8	68.0
50.B/6	50.B/6	50.B/6		H	375.0	372.0	363.6	352.8	334.8	309.0	276.0	256.8	234.0	205.2	168.0
				P1	31.8	36.9	43.2	49.8	57.3	64.2	70.2	73.2	76.2	78.9	81.6
50.B/7	50.B/7	50.B/7		H	437.5	434.0	424.2	411.6	390.6	360.5	322.0	299.6	273.0	239.4	196.0
				P1	37.1	43.1	50.4	58.1	66.9	74.9	81.9	85.4	88.9	92.1	95.2
50.B/8	50.B/8	50.B/8		H	500.0	496.0	484.8	470.4	446.4	412.0	368.0	342.4	312.0	273.6	224.0
				P1	42.4	49.2	57.6	66.4	76.4	85.6	93.6	97.6	101.6	105.2	108.8
50.B/9	50.B/9	50.B/9	H	562.5	558.0	545.4	529.2	502.2	463.5	414.0	385.2	351.0	307.8	252.0	
			P1	47.7	55.4	64.8	74.7	86.0	96.3	105.3	109.8	114.3	118.4	122.4	
50.B/10	50.B/10	-	H	625.0	620.0	606.0	588.0	558.0	515.0	460.0	428.0	390.0	342.0	280.0	
			P1	53.0	61.5	72.0	83.0	95.5	107.0	117.0	122.0	127.0	131.5	136.0	
-	50.B/11	-	H	687.5	682.0	666.6	646.8	613.8	566.5	506.0	470.8	429.0	376.2	308.0	
			P1	58.3	67.7	79.2	91.3	105.1	117.7	128.7	134.2	139.7	144.7	149.6	
-	50.B/12	-	H	750.0	744.0	727.2	705.6	669.6	618.0	552.0	513.6	468.0	410.4	336.0	
			P1	63.6	73.8	86.4	99.6	114.6	128.4	140.4	146.4	152.4	157.8	163.2	
-	50.B/13	-	H	812.5	806.0	787.8	764.4	725.4	669.5	598.0	556.4	507.0	444.6	364.0	
			P1	68.9	80.0	93.6	107.9	124.2	139.1	152.1	158.6	165.1	171.0	176.8	
-	50.B/14	-	H	875.0	868.0	848.4	823.2	781.2	721.0	644.0	599.2	546.0	478.8	392.0	
			P1	74.2	86.1	100.8	116.2	133.7	149.8	163.8	170.8	177.8	184.1	190.4	
-	50.B/15	-	H	937.5	930.0	909.0	882.0	837.0	772.5	690.0	642.0	585.0	513.0	420.0	
			P1	79.5	92.3	108.0	124.5	143.3	160.5	175.5	183.0	190.5	197.3	204.0	
-	50.B/16	-	H	1000.0	992.0	969.6	940.8	892.8	824.0	736.0	684.8	624.0	547.2	448.0	
			P1	84.8	98.4	115.2	132.8	152.8	171.2	187.2	195.2	203.2	210.4	217.6	



POMPE ZANNI®

PERFORMANCE
CURVES

50.B - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

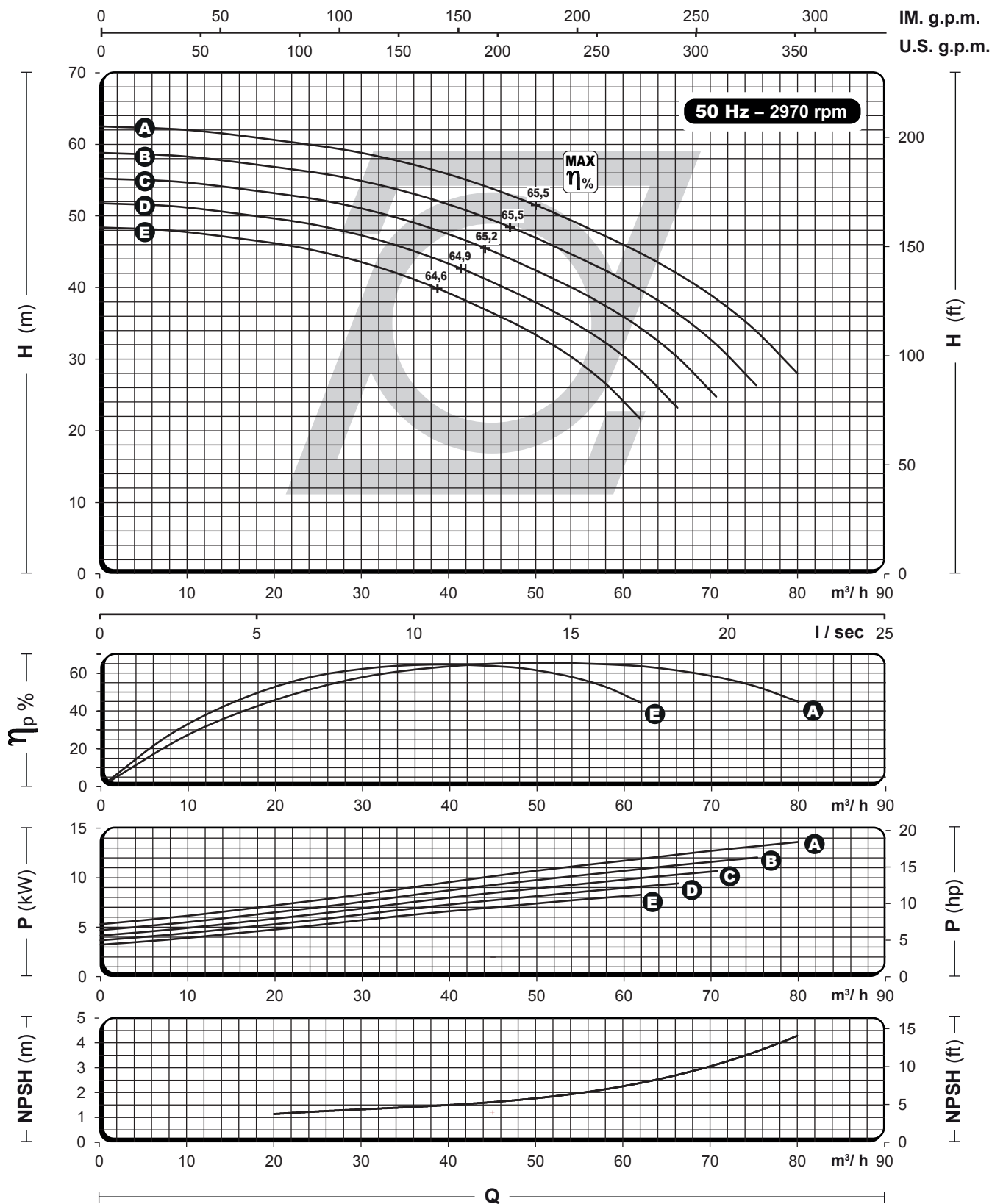
A = Ø 200 mm

B = Ø 194 mm

C = Ø 188 mm

D = Ø 182 mm

E = Ø 176 mm





Pump Type		Q											
HM - HMM HMR - HMVM	HMV	m³/h	0	5	10	15	20	24	29.3	32	34.2	37	39.1
		l/sec	0	1.4	2.7	4.1	5.4	6.8	8.1	8.8	9.5	10.2	10.8
50.B/1	50.B/1	H	14.9	14.8	14.4	14.0	13.3	12.3	11.0	10.2	9.3	8.2	6.7
		P1	0.62	0.72	0.84	0.97	1.11	1.25	1.36	1.42	1.48	1.53	1.58
50.B/2	50.B/2	H	29.8	29.6	28.9	28.0	26.6	24.6	21.9	20.4	18.6	16.3	13.3
		P1	1.23	1.43	1.68	1.93	2.2	2.49	2.72	2.84	2.96	3.06	3.17
50.B/3	50.B/3	H	44.7	44.3	43.3	42.0	39.9	36.8	32.9	30.6	27.9	24.5	20.0
		P1	1.85	2.15	2.51	2.90	3.33	3.74	4.08	4.26	4.43	4.59	4.75
50.B/4	50.B/4	H	59.6	59.1	57.8	56.1	53.2	49.1	43.9	40.8	37.2	32.6	26.7
		P1	2.47	2.86	3.35	3.86	4.45	4.98	5.45	5.68	5.91	6.12	6.33
50.B/5	50.B/5	H	74.5	73.9	72.2	70.1	66.5	61.4	54.8	51.0	46.5	40.8	33.4
		P1	3.08	3.58	4.19	4.83	5.56	6.23	6.81	7.10	7.39	7.65	7.91
50.B/6	50.B/6	H	89.4	88.7	86.7	84.1	79.8	73.7	65.8	61.2	55.8	48.9	40.0
		P1	3.70	4.29	5.03	5.80	6.67	7.47	8.17	8.52	8.87	9.18	9.50
50.B/7	50.B/7	H	104.3	103.4	101.1	98.1	93.1	85.9	76.8	71.4	65.1	57.1	46.7
		P1	4.32	5.01	5.86	6.76	7.78	8.72	9.53	9.94	10.35	10.71	11.08
50.B/8	50.B/8	H	119.2	118.2	115.6	112.1	106.4	98.2	87.7	81.6	74.4	65.2	53.4
		P1	4.93	5.73	6.70	7.73	8.89	9.96	10.89	11.36	11.82	12.24	12.66
50.B/9	50.B/9	H	134.1	133.0	130.0	126.1	119.7	110.5	98.7	91.8	83.7	73.4	60.1
		P1	5.55	6.44	7.54	8.69	10.00	11.21	12.25	12.78	13.30	13.77	14.24
50.B/10	50.B/10	H	149.0	147.8	144.4	140.2	133.0	122.8	109.6	102.0	93.0	81.5	66.7
		P1	6.17	7.16	8.38	9.66	11.11	12.45	13.62	14.20	14.78	15.30	15.83
50.B/11	-	H	163.9	162.6	158.9	154.2	146.3	135.0	120.6	112.2	102.3	89.7	73.4
		P1	6.78	7.87	9.22	10.62	12.22	13.70	14.98	15.62	16.26	16.83	17.41
50.B/12	-	H	178.8	177.3	173.3	168.2	159.6	147.3	131.6	122.4	111.5	97.8	80.1
		P1	7.40	8.59	10.05	11.59	13.34	14.94	16.34	17.04	17.73	18.36	18.99
50.B/13	-	H	193.7	192.1	187.8	182.2	172.9	159.6	142.5	132.6	120.8	106.0	86.8
		P1	8.02	9.30	10.89	12.56	14.45	16.19	17.70	18.46	19.21	19.89	20.57
50.B/14	-	H	208.6	206.9	202.2	196.2	186.2	171.9	153.5	142.8	130.1	114.1	93.4
		P1	8.63	10.02	11.73	13.52	15.56	17.43	19.06	19.88	20.69	21.42	22.16
50.B/15	-	H	223.5	221.7	216.7	210.2	199.5	184.1	164.5	153.0	139.4	122.3	100.1
		P1	9.25	10.73	12.57	14.49	16.67	18.68	20.42	21.30	22.17	22.95	23.74
50.B/16	-	H	238.4	236.4	231.1	224.2	212.8	196.4	175.4	163.2	148.7	130.4	106.8
		P1	9.87	11.45	13.41	15.45	17.78	19.92	21.78	22.72	23.65	24.48	25.32
50.B/17	-	H	253.3	251.2	245.6	238.3	226.1	208.7	186.4	173.4	158.0	138.6	113.5
		P1	10.48	12.17	14.24	16.42	18.89	21.17	23.15	24.13	25.12	26.01	26.90
50.B/18	-	H	268.1	266.0	260.0	252.3	239.4	221.0	197.4	183.6	167.3	146.7	120.1
		P1	11.10	12.88	15.08	17.39	20.00	22.41	24.51	25.55	26.60	27.54	28.49
50.B/19	-	H	283.0	280.8	274.4	266.3	252.7	233.2	208.3	193.8	176.6	154.9	126.8
		P1	11.72	13.60	15.92	18.35	21.12	23.66	25.87	26.97	28.08	29.07	30.07
50.B/20	-	H	297.9	295.6	288.9	280.3	266.0	245.5	219.3	204.0	185.9	163.0	133.5
		P1	12.34	14.31	16.76	19.32	22.23	24.90	27.23	28.39	29.56	30.60	31.65



POMPE ZANNI®

PERFORMANCE
CURVES

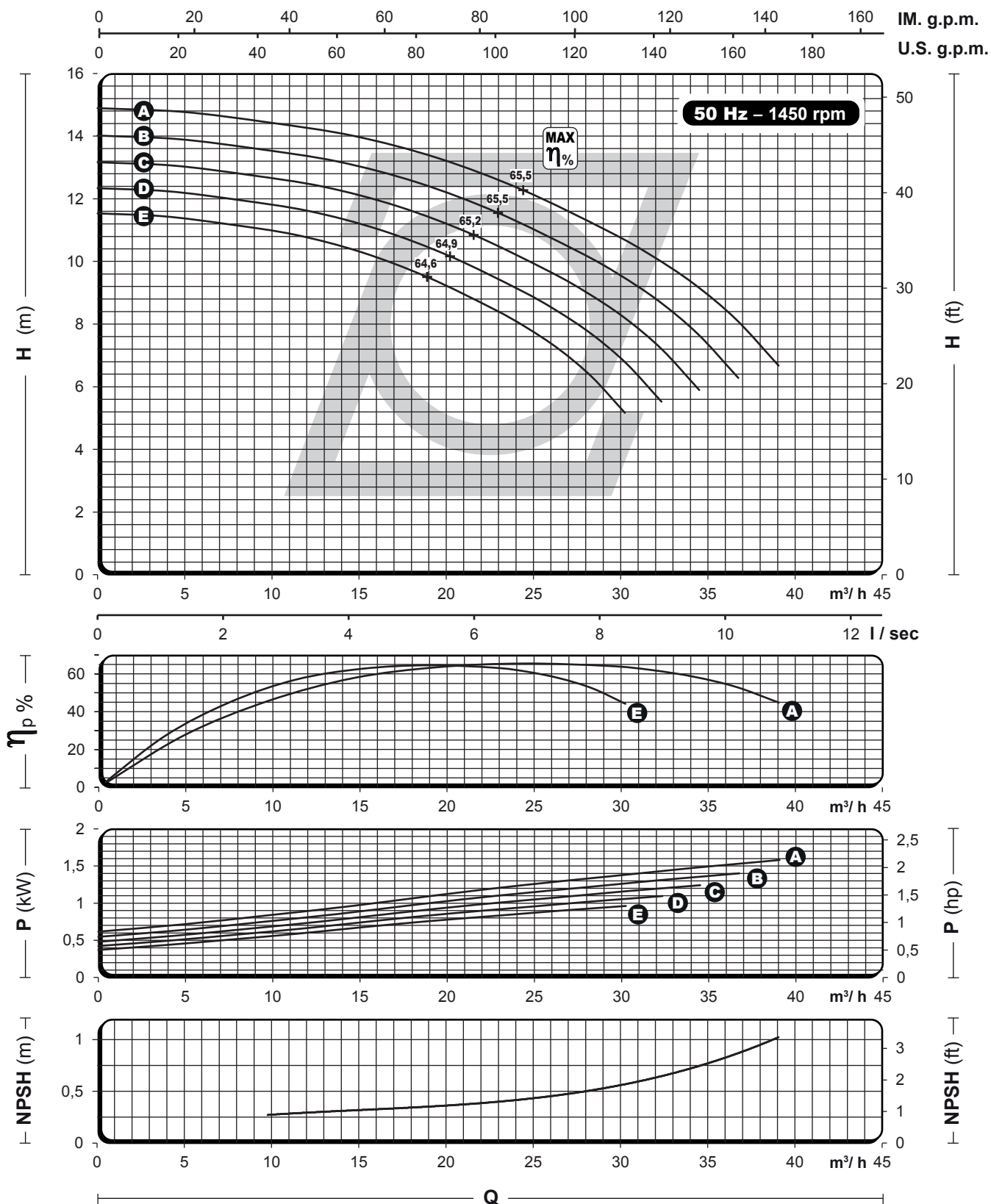
50.B - 1450 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

A = Ø 200 mm
B = Ø 194 mm

C = Ø 188 mm
D = Ø 182 mm
E = Ø 176 mm



Pump Type			Q												
HM - HMM	HMMVM		m³/h	0	32	42	52	61	68	75	81	92	97	104	
	HMR	HMV	l/sec	0	8.9	11.6	14.6	16.8	18.8	20.7	22.4	25.4	26.9	28.9	
50.C/1	50.C/1	50.C/1	H (m) — P1 (kW)	H	60.9	59.5	57.8	54.4	51.1	47.7	44.3	40.9	34.2	30.8	24.0
				P1	9.29	9.34	10.34	11.44	12.19	12.88	13.51	13.91	14.51	14.88	15.39
50.C/2	50.C/2	50.C/2		H	121.7	119.0	115.7	108.9	102.1	95.4	88.6	81.8	68.4	61.6	48.1
				P1	18.6	18.7	20.7	22.9	24.4	25.8	27.0	27.8	29.0	29.8	30.8
50.C/3	50.C/3	50.C/3		H	182.6	178.5	173.5	163.3	153.2	143.1	132.9	122.8	102.5	92.4	72.1
				P1	27.9	28.0	31.0	34.3	36.6	38.7	40.5	41.7	43.5	44.6	46.2
50.C/4	50.C/4	50.C/4		H	243.4	238.0	231.3	217.8	204.3	190.8	177.2	163.7	136.7	123.2	96.1
				P1	37.2	37.3	41.4	45.7	48.8	51.5	54.0	55.6	58.1	59.5	61.6
50.C/5	50.C/5	50.C/5		H	304.3	297.5	289.1	272.2	255.3	238.5	221.6	204.6	170.9	154.0	120.1
				P1	46.5	46.7	51.7	57.2	61.0	64.4	67.6	69.6	72.6	74.4	77.0
50.C/6	50.C/6	50.C/6		H	365.1	356.9	347.0	326.7	306.4	286.2	265.9	245.5	205.1	184.8	144.2
				P1	55.8	56.0	62.0	68.6	73.1	77.3	81.1	83.5	87.1	89.3	92.3
50.C/7	50.C/7	50.C/7		H	426.0	416.4	404.8	381.1	357.5	333.9	310.2	286.4	239.2	215.6	168.2
				P1	65.1	65.4	72.4	80.1	85.3	90.2	94.6	97.4	101.6	104.1	107.7
50.C/8	50.C/8	50.C/8		H	486.8	475.9	462.6	435.5	408.5	381.5	354.5	327.4	273.4	246.4	192.2
				P1	74.3	74.7	82.7	91.5	97.5	103.1	108.1	111.3	116.1	119.0	123.1
50.C/9	50.C/9	50.C/9		H	547.7	535.4	520.4	490.0	459.6	429.2	398.8	368.3	307.6	277.2	216.3
				P1	83.6	84.0	93.1	102.9	109.7	116.0	121.6	125.2	130.6	133.9	138.5
50.C/10	50.C/10	-		H	608.5	594.9	578.3	544.4	510.7	476.9	443.1	409.2	341.8	308.0	240.3
				P1	92.9	93.4	103.4	114.4	121.9	128.8	135.1	139.1	145.1	148.8	153.9
-	50.C/11	-	H	669.4	654.4	636.1	598.9	561.7	524.6	487.4	450.1	376.0	338.7	264.3	
			P1	102.2	102.7	113.7	125.8	134.1	141.7	148.6	153.0	159.6	163.6	169.3	
-	50.C/12	-	H	730.2	713.9	693.9	653.3	612.8	572.3	531.7	491.0	410.1	369.5	288.4	
			P1	111.5	112.0	124.1	137.2	146.3	154.6	162.1	166.9	174.2	178.5	184.7	
-	50.C/13	-	H	791.1	773.4	751.7	707.8	663.9	620.0	576.0	531.9	444.3	400.3	312.4	
			P1	120.8	121.4	134.4	148.7	158.5	167.5	175.6	180.9	188.7	193.4	200.1	
-	50.C/14	-	H	851.9	832.9	809.6	762.2	714.9	667.7	620.3	572.9	478.5	431.1	336.4	
			P1	130.1	130.7	144.8	160.1	170.7	180.4	189.2	194.8	203.2	208.3	215.5	



POMPE ZANNI®

PERFORMANCE
CURVES

50.C - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

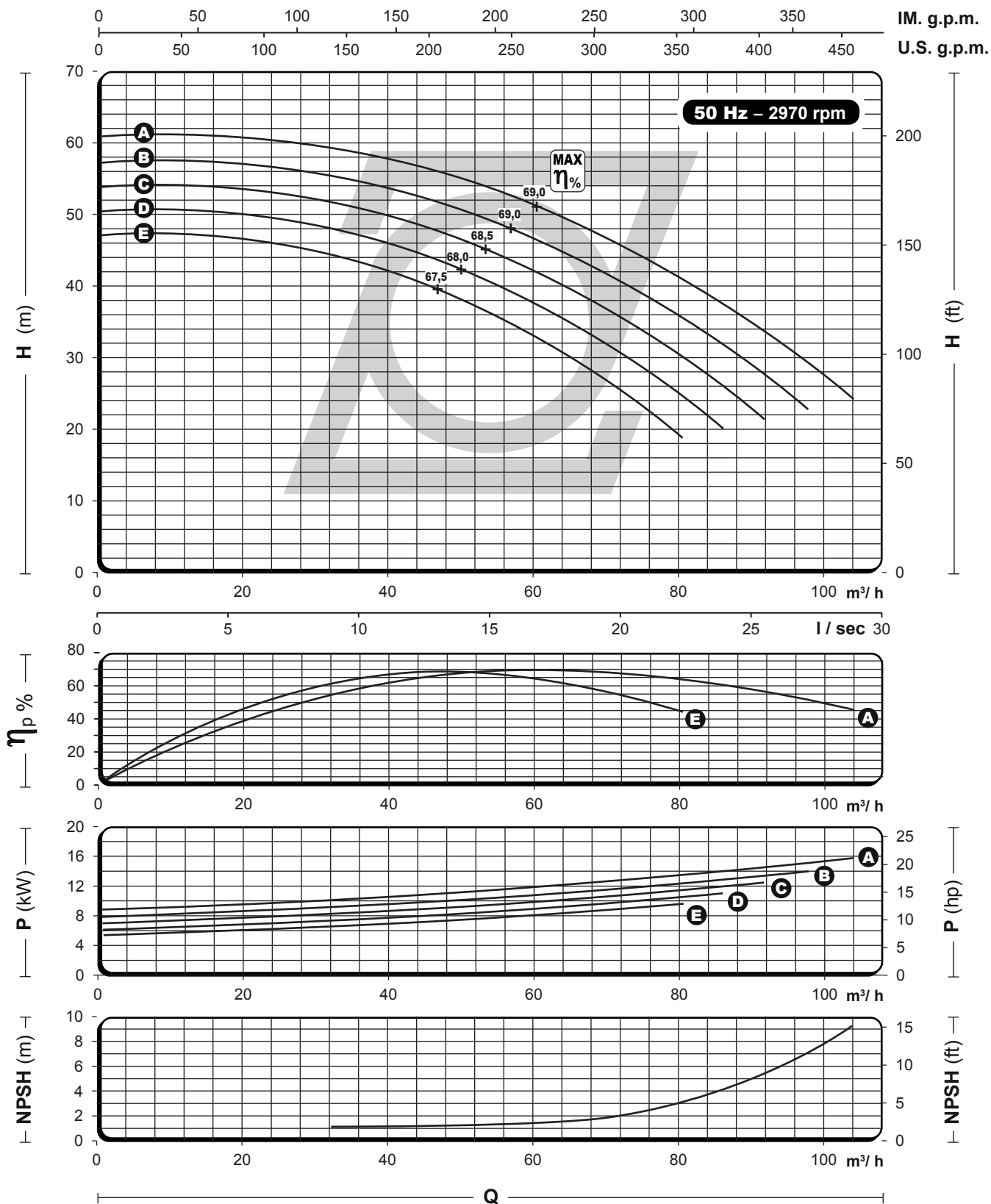
A = Ø 200 mm

B = Ø 194 mm

C = Ø 188 mm

D = Ø 182 mm

E = Ø 176 mm





Pump Type		Q											
HM - HMM	HMV	m³/h	0	16	20	26	30	33	36.4	39	44.7	47	50.8
HMR - HMVM	HMV	l/sec	0	4.4	5.6	7.1	8.2	9.2	10.1	10.9	12.4	13.2	14.1
50.C/1	50.C/1	H	14.5	14.2	13.8	13.0	12.2	11.4	10.6	9.8	8.1	7.3	5.7
		P1	1.08	1.09	1.20	1.33	1.42	1.50	1.57	1.62	1.69	1.73	1.79
50.C/2	50.C/2	H	29.0	28.4	27.6	26.0	24.3	22.7	21.1	19.5	16.3	14.7	11.5
		P1	2.16	2.17	2.41	2.66	2.8	3.00	3.14	3.24	3.38	3.46	3.58
50.C/3	50.C/3	H	43.5	42.5	41.3	38.9	36.5	34.1	31.7	29.3	24.4	22.0	17.2
		P1	3.24	3.26	3.61	3.99	4.26	4.50	4.72	4.86	5.07	5.19	5.37
50.C/4	50.C/4	H	58.0	56.7	55.1	51.9	48.7	45.5	42.2	39.0	32.6	29.4	22.9
		P1	4.33	4.35	4.81	5.32	5.67	6.00	6.29	6.48	6.76	6.92	7.16
50.C/5	50.C/5	H	72.5	70.9	68.9	64.9	60.9	56.8	52.8	48.8	40.7	36.7	28.6
		P1	5.41	5.43	6.02	6.65	7.09	7.50	7.86	8.09	8.44	8.66	8.96
50.C/6	50.C/6	H	87.0	85.1	82.7	77.9	73.0	68.2	63.4	58.5	48.9	44.0	34.4
		P1	6.49	6.52	7.22	7.99	8.51	9.00	9.43	9.71	10.13	10.39	10.75
50.C/7	50.C/7	H	101.5	99.3	96.5	90.8	85.2	79.6	73.9	68.3	57.0	51.4	40.1
		P1	7.57	7.61	8.42	9.32	9.93	10.50	11.01	11.33	11.82	12.12	12.54
50.C/8	50.C/8	H	116.0	113.4	110.3	103.8	97.4	90.9	84.5	78.0	65.2	58.7	45.8
		P1	8.65	8.69	9.63	10.65	11.35	11.99	12.58	12.95	13.51	13.85	14.33
50.C/9	50.C/9	H	130.5	127.6	124.0	116.8	109.6	102.3	95.1	87.8	73.3	66.1	51.5
		P1	9.73	9.78	10.83	11.98	12.77	13.49	14.15	14.57	15.20	15.58	16.12
50.C/10	50.C/10	H	145.0	141.8	137.8	129.8	121.7	113.7	105.6	97.5	81.5	73.4	57.3
		P1	10.81	10.87	12.03	13.31	14.19	14.99	15.72	16.19	16.89	17.31	17.91
50.C/11	-	H	159.5	156.0	151.6	142.7	133.9	125.0	116.2	107.3	89.6	80.7	63.0
		P1	11.90	11.95	13.24	14.64	15.61	16.49	17.29	17.81	18.58	19.04	19.70
50.C/12	-	H	174.1	170.2	165.4	155.7	146.1	136.4	126.7	117.0	97.8	88.1	68.7
		P1	12.98	13.04	14.44	15.97	17.02	17.99	18.87	19.43	20.27	20.77	21.49
50.C/13	-	H	188.6	184.3	179.2	168.7	158.2	147.8	137.3	126.8	105.9	95.4	74.5
		P1	14.06	14.13	15.64	17.30	18.44	19.49	20.44	21.05	21.96	22.51	23.28
50.C/14	-	H	203.1	198.5	193.0	181.7	170.4	159.2	147.9	136.5	114.1	102.8	80.2
		P1	15.14	15.21	16.85	18.63	19.86	20.99	22.01	22.66	23.64	24.24	25.07
50.C/15	-	H	217.6	212.7	206.7	194.6	182.6	170.5	158.4	146.3	122.2	110.1	85.9
		P1	16.22	16.30	18.05	19.96	21.28	22.49	23.58	24.28	25.33	25.97	26.87
50.C/16	-	H	232.1	226.9	220.5	207.6	194.8	181.9	169.0	156.1	130.3	117.4	91.6
		P1	17.30	17.39	19.25	21.29	22.70	23.99	25.16	25.90	27.02	27.70	28.66
50.C/17	-	H	246.6	241.1	234.3	220.6	206.9	193.3	179.5	165.8	138.5	124.8	97.4
		P1	18.38	18.47	20.46	22.62	24.12	25.49	26.73	27.52	28.71	29.43	30.45
50.C/18	-	H	261.1	255.2	248.1	233.6	219.1	204.6	190.1	175.6	146.6	132.1	103.1
		P1	19.47	19.56	21.66	23.96	25.54	26.99	28.30	29.14	30.40	31.16	32.24
50.C/19	-	H	275.6	269.4	261.9	246.6	231.3	216.0	200.7	185.3	154.8	139.5	108.8
		P1	20.55	20.64	22.86	25.29	26.95	28.49	29.87	30.76	32.09	32.89	34.03
50.C/20	-	H	290.1	283.6	275.7	259.5	243.4	227.4	211.2	195.1	162.9	146.8	114.5
		P1	21.63	21.73	24.06	26.62	28.37	29.99	31.44	32.38	33.78	34.62	35.82



POMPE ZANNI®

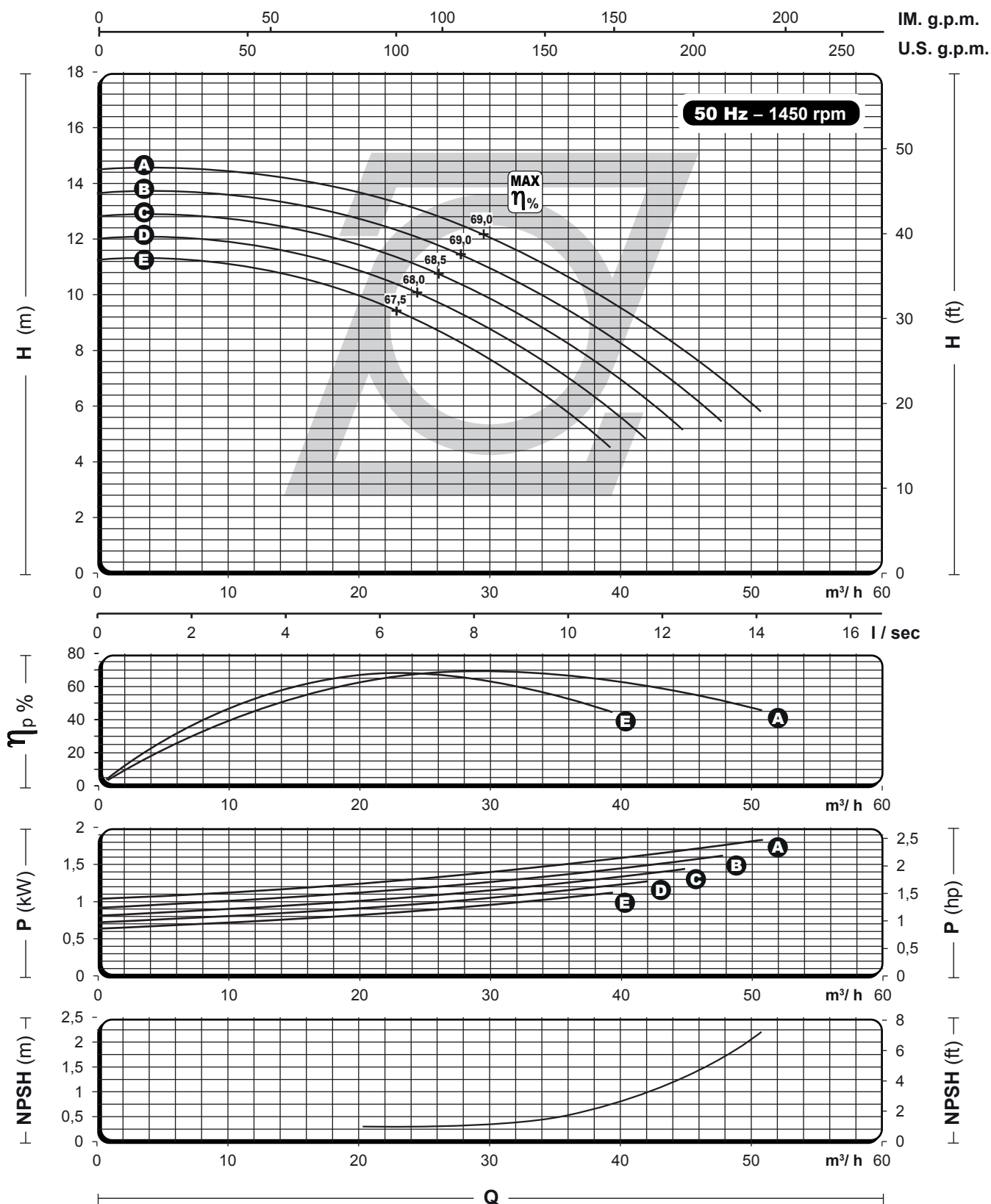
PERFORMANCE
CURVES

50.C - 1450 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 200 mm
B = Ø 194 mm
C = Ø 188 mm
D = Ø 182 mm
E = Ø 176 mm



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POMPE ZANNI®

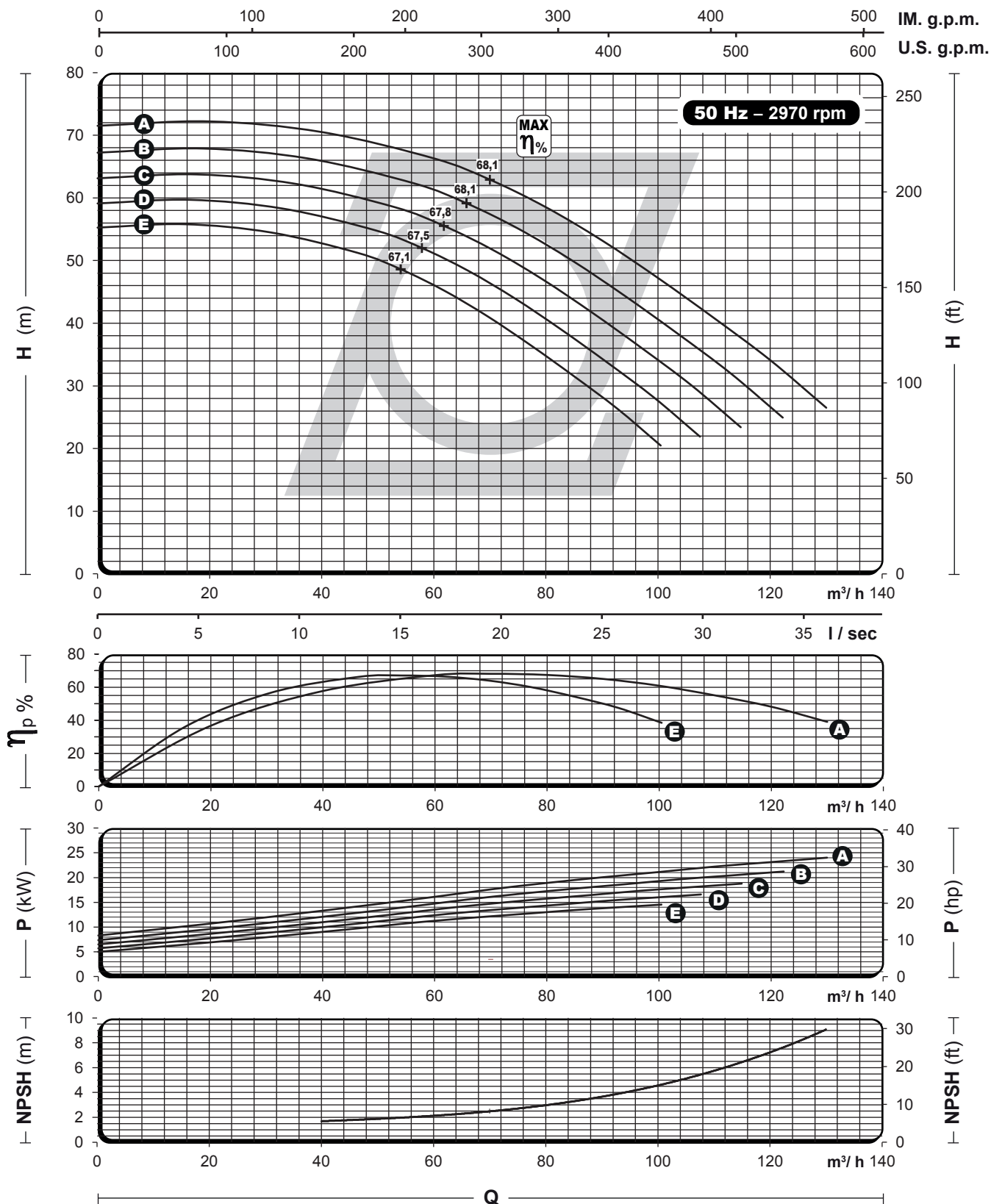
PERFORMANCE
CURVES

80.A - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 215 mm **C** = Ø 202 mm
B = Ø 208.5 mm **D** = Ø 195.5 mm
E = Ø 189 mm





Pump Type		Q											
HM - HMM	HMV	m³/h	0	10	20	29	34	39	43,9	49	53,7	59	63,5
HMR - HMVM	HMV	l/sec	0	2,7	5,4	8,1	9,5	10,8	12,2	13,6	14,9	16,3	17,6
80.A/1	80.A/1	H	17,0	17,2	16,8	15,8	15,0	13,9	12,7	11,3	9,7	8,1	6,3
		P1	0,97	1,25	1,55	1,87	2,05	2,20	2,33	2,46	2,58	2,69	2,79
80.A/2	80.A/2	H	34,1	34,4	33,6	31,6	30,0	27,9	25,4	22,5	19,4	16,3	12,6
		P1	1,93	2,49	3,10	3,75	4,1	4,40	4,67	4,91	5,17	5,38	5,59
80.A/3	80.A/3	H	51,1	51,6	50,4	47,4	45,0	41,8	38,0	33,8	29,2	24,4	18,9
		P1	2,90	3,74	4,64	5,62	6,14	6,60	7,00	7,37	7,75	8,06	8,38
80.A/4	80.A/4	H	68,2	68,8	67,2	63,2	60,0	55,8	50,7	45,0	38,9	32,5	25,3
		P1	3,86	4,98	6,19	7,49	8,19	8,80	9,33	9,82	10,33	10,75	11,17
80.A/5	80.A/5	H	85,2	86,0	84,0	79,0	75,0	69,7	63,4	56,3	48,6	40,6	31,6
		P1	4,83	6,23	7,74	9,37	10,24	11,00	11,67	12,28	12,92	13,44	13,96
80.A/6	80.A/6	H	102,3	103,3	100,8	94,8	90,0	83,7	76,1	67,5	58,3	48,8	37,9
		P1	5,80	7,47	9,29	11,24	12,29	13,20	14,00	14,73	15,50	16,13	16,76
80.A/7	80.A/7	H	119,3	120,5	117,6	110,6	104,9	97,6	88,8	78,8	68,1	56,9	44,2
		P1	6,76	8,72	10,83	13,11	14,34	15,40	16,33	17,19	18,08	18,82	19,55
80.A/8	80.A/8	H	136,3	137,7	134,4	126,4	119,9	111,5	101,4	90,0	77,8	65,0	50,5
		P1	7,73	9,96	12,38	14,99	16,38	17,59	18,67	19,64	20,67	21,50	22,34
80.A/9	-	H	153,4	154,9	151,2	142,2	134,9	125,5	114,1	101,3	87,5	73,2	56,8
		P1	8,69	11,21	13,93	16,86	18,43	19,79	21,00	22,10	23,25	24,19	25,14
80.A/10	-	H	170,4	172,1	168,0	158,0	149,9	139,4	126,8	112,5	97,2	81,3	63,2
		P1	9,66	12,45	15,48	18,74	20,48	21,99	23,33	24,55	25,83	26,88	27,93
80.A/11	-	H	187,5	189,3	184,8	173,8	164,9	153,4	139,5	123,8	107,0	89,4	69,5
		P1	10,62	13,70	17,02	20,61	22,53	24,19	25,67	27,01	28,42	29,57	30,72
80.A/12	-	H	204,5	206,5	201,6	189,6	179,9	167,3	152,2	135,0	116,7	97,5	75,8
		P1	11,59	14,94	18,57	22,48	24,58	26,39	28,00	29,46	31,00	32,26	33,51
80.A/13	-	H	221,6	223,7	218,5	205,4	194,9	181,3	164,8	146,3	126,4	105,7	82,1
		P1	12,56	16,19	20,12	24,36	26,63	28,59	30,33	31,92	33,58	34,95	36,31
80.A/14	-	H	238,6	240,9	235,3	221,2	209,9	195,2	177,5	157,5	136,1	113,8	88,4
		P1	13,52	17,43	21,67	26,23	28,67	30,79	32,66	34,38	36,17	37,63	39,10
80.A/15	-	H	255,6	258,1	252,1	237,0	224,9	209,2	190,2	168,8	145,9	121,9	94,7
		P1	14,49	18,68	23,22	28,10	30,72	32,99	35,00	36,83	38,75	40,32	41,89
80.A/16	-	H	272,7	275,3	268,9	252,8	239,9	223,1	202,9	180,0	155,6	130,0	101,1
		P1	15,45	19,92	24,76	29,98	32,77	35,19	37,33	39,29	41,33	43,01	44,69
80.A/17	-	H	289,7	292,6	285,7	268,6	254,9	237,0	215,6	191,3	165,3	138,2	107,4
		P1	16,42	21,17	26,31	31,85	34,82	37,39	39,66	41,74	43,92	45,70	47,48
80.A/18	-	H	306,8	309,8	302,5	284,5	269,9	251,0	228,2	202,5	175,0	146,3	113,7
		P1	17,39	22,41	27,86	33,72	36,87	39,59	42,00	44,20	46,50	48,39	50,27



POMPE ZANNI®

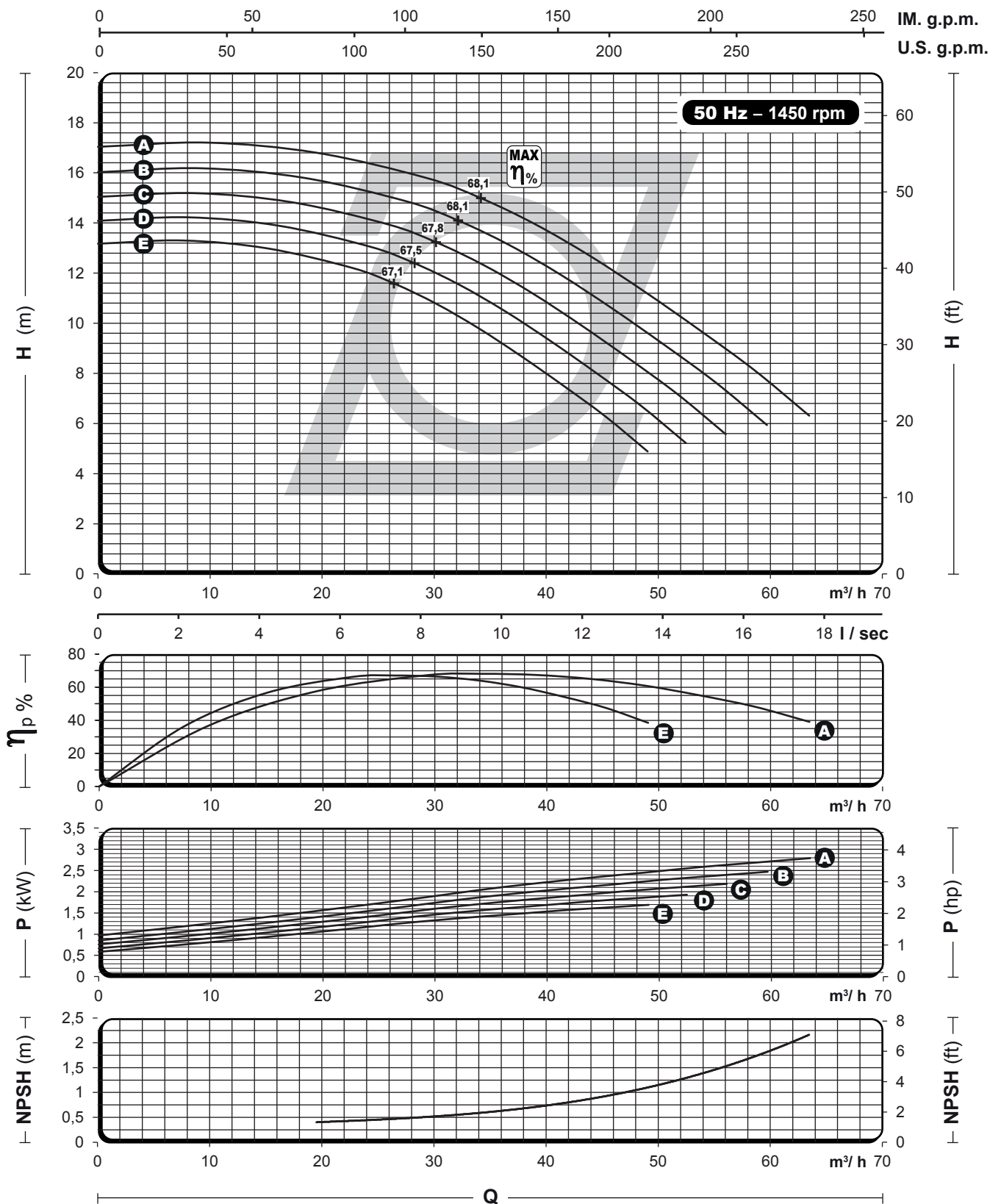
PERFORMANCE
CURVES

80.A - 1450 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 215 mm **C** = Ø 202 mm
B = Ø 208.5 mm **D** = Ø 195.5 mm
E = Ø 189 mm



[illegible]



POMPE ZANNI®

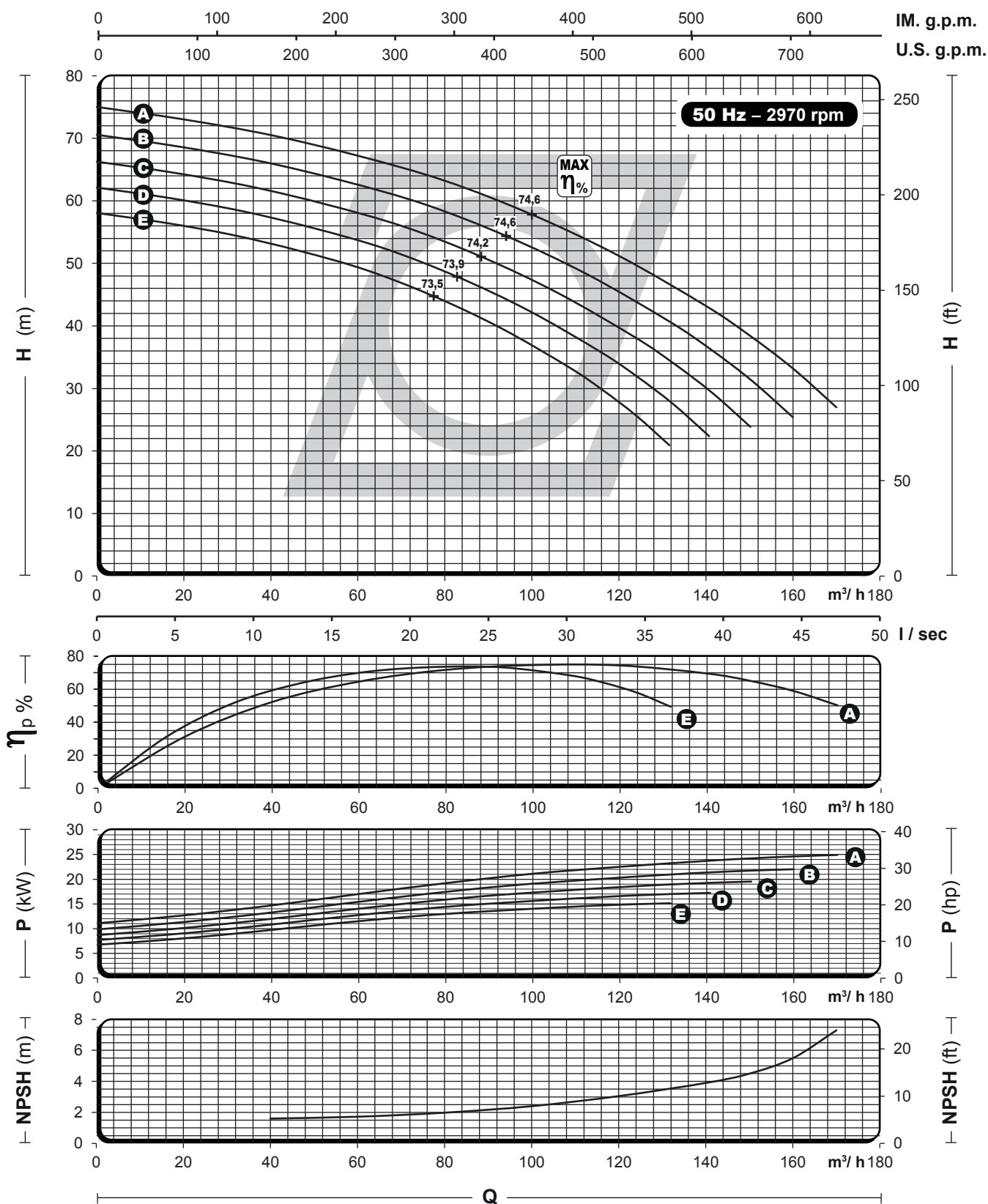
PERFORMANCE
CURVES

80.B - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 220 mm **C** = Ø 207 mm
B = Ø 213.5 mm **D** = Ø 200 mm
E = Ø 193.5 mm





Pump Type		Q												
HM - HMM		m³/h	0	10	20	30	40	50	60.0	70	75.0	80	85.0	
HMR - HMVM	HMV	l/sec	0	2.8	5.6	8.3	11.1	13.9	16.7	19.4	20.8	22.2	23.6	
80.B/1	80.B/1	H (m) — P1 (kW)	H	18.6	18.1	17.5	16.7	15.7	14.4	12.7	10.7	9.6	8.2	6.7
			P1	1.37	1.57	1.82	2.10	2.38	2.61	2.78	2.93	2.99	3.04	3.08
80.B/2	80.B/2		H	37.2	36.3	35.0	33.4	31.4	28.7	25.4	21.5	19.1	16.5	13.4
			P1	2.75	3.14	3.64	4.21	4.8	5.22	5.57	5.87	5.99	6.09	6.16
80.B/3	80.B/3		H	55.9	54.4	52.5	50.1	47.1	43.1	38.1	32.2	28.7	24.7	20.1
			P1	4.12	4.71	5.46	6.31	7.13	7.83	8.35	8.80	8.98	9.13	9.24
80.B/4	80.B/4		H	74.5	72.5	70.0	66.7	62.8	57.4	50.9	42.9	38.2	33.0	26.8
			P1	5.49	6.29	7.28	8.41	9.50	10.44	11.14	11.73	11.98	12.18	12.32
80.B/5	80.B/5		H	93.1	90.6	87.5	83.4	78.5	71.8	63.6	53.6	47.8	41.2	33.5
			P1	6.87	7.86	9.10	10.52	11.88	13.05	13.92	14.66	14.97	15.22	15.41
80.B/6	80.B/6		H	111.7	108.8	105.0	100.1	94.2	86.1	76.3	64.4	57.4	49.5	40.2
			P1	8.24	9.43	10.91	12.62	14.26	15.67	16.71	17.60	17.97	18.26	18.49
80.B/7	80.B/7		H	130.4	126.9	122.5	116.8	109.9	100.5	89.0	75.1	66.9	57.7	46.9
			P1	9.61	11.00	12.73	14.73	16.63	18.28	19.49	20.53	20.96	21.31	21.57
80.B/8	80.B/8		H	149.0	145.0	140.1	133.5	125.6	114.8	101.7	85.8	76.5	66.0	53.6
			P1	10.99	12.57	14.55	16.83	19.01	20.89	22.27	23.46	23.96	24.35	24.65
80.B/9	-		H	167.6	163.1	157.6	150.2	141.2	129.2	114.4	96.5	86.0	74.2	60.3
			P1	12.36	14.14	16.37	18.93	21.38	23.50	25.06	26.39	26.95	27.40	27.73
80.B/10	-	H	186.2	181.3	175.1	166.9	156.9	143.5	127.1	107.3	95.6	82.4	67.0	
		P1	13.74	15.72	18.19	21.04	23.76	26.11	27.84	29.33	29.95	30.44	30.81	
80.B/11	-	H	204.9	199.4	192.6	183.6	172.6	157.9	139.9	118.0	105.2	90.7	73.8	
		P1	15.11	17.29	20.01	23.14	26.13	28.72	30.63	32.26	32.94	33.48	33.89	
80.B/12	-	H	223.5	217.5	210.1	200.2	188.3	172.2	152.6	128.7	114.7	98.9	80.5	
		P1	16.48	18.86	21.83	25.24	28.51	31.33	33.41	35.19	35.93	36.53	36.97	
80.B/13	-	H	242.1	235.7	227.6	216.9	204.0	186.6	165.3	139.5	124.3	107.2	87.2	
		P1	17.86	20.43	23.65	27.35	30.89	33.94	36.19	38.12	38.93	39.57	40.06	
80.B/14	-	H	260.7	253.8	245.1	233.6	219.7	200.9	178.0	150.2	133.8	115.4	93.9	
		P1	19.23	22.00	25.47	29.45	33.26	36.55	38.98	41.06	41.92	42.62	43.14	
80.B/15	-	H	279.4	271.9	262.6	250.3	235.4	215.3	190.7	160.9	143.4	123.7	100.6	
		P1	20.60	23.57	27.29	31.55	35.64	39.16	41.76	43.99	44.92	45.66	46.22	
80.B/16	-	H	298.0	290.0	280.1	267.0	251.1	229.6	203.4	171.6	153.0	131.9	107.3	
		P1	21.98	25.14	29.10	33.66	38.01	41.78	44.55	46.92	47.91	48.70	49.30	
80.B/17	-	H	316.6	308.2	297.6	283.7	266.8	244.0	216.1	182.4	162.5	140.2	114.0	
		P1	23.35	26.72	30.92	35.76	40.39	44.39	47.33	49.86	50.91	51.75	52.38	
80.B/18	-	H	335.2	326.3	315.1	300.4	282.5	258.4	228.9	193.1	172.1	148.4	120.7	
		P1	24.72	28.29	32.74	37.86	42.77	47.00	50.12	52.79	53.90	54.79	55.46	



POMPE ZANNI®

PERFORMANCE
CURVES

80.B - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

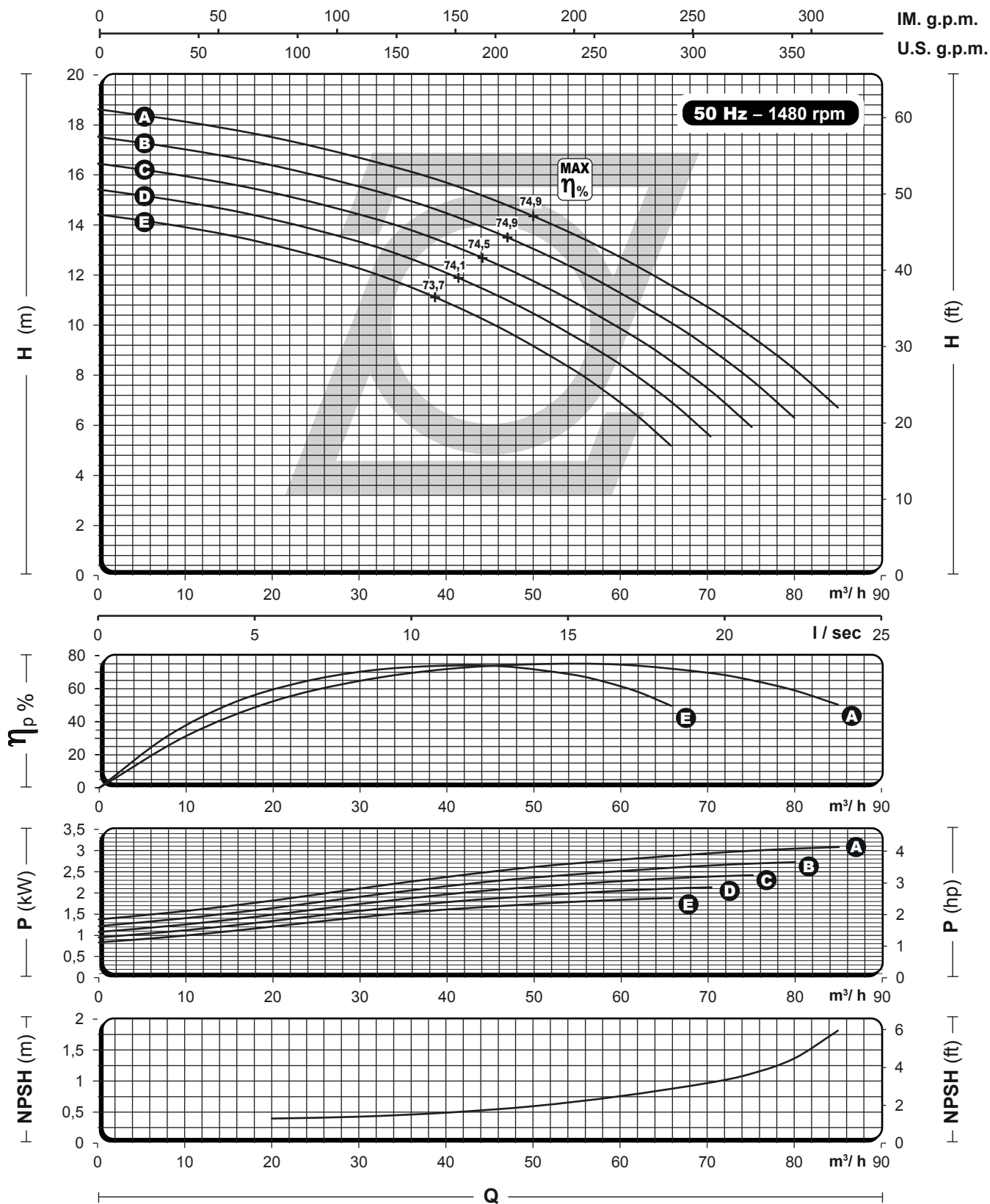
A = Ø 220 mm

B = Ø 213.5 mm

C = Ø 207 mm

D = Ø 200 mm

E = Ø 193.5 mm



[illegible]



POMPE ZANNI®

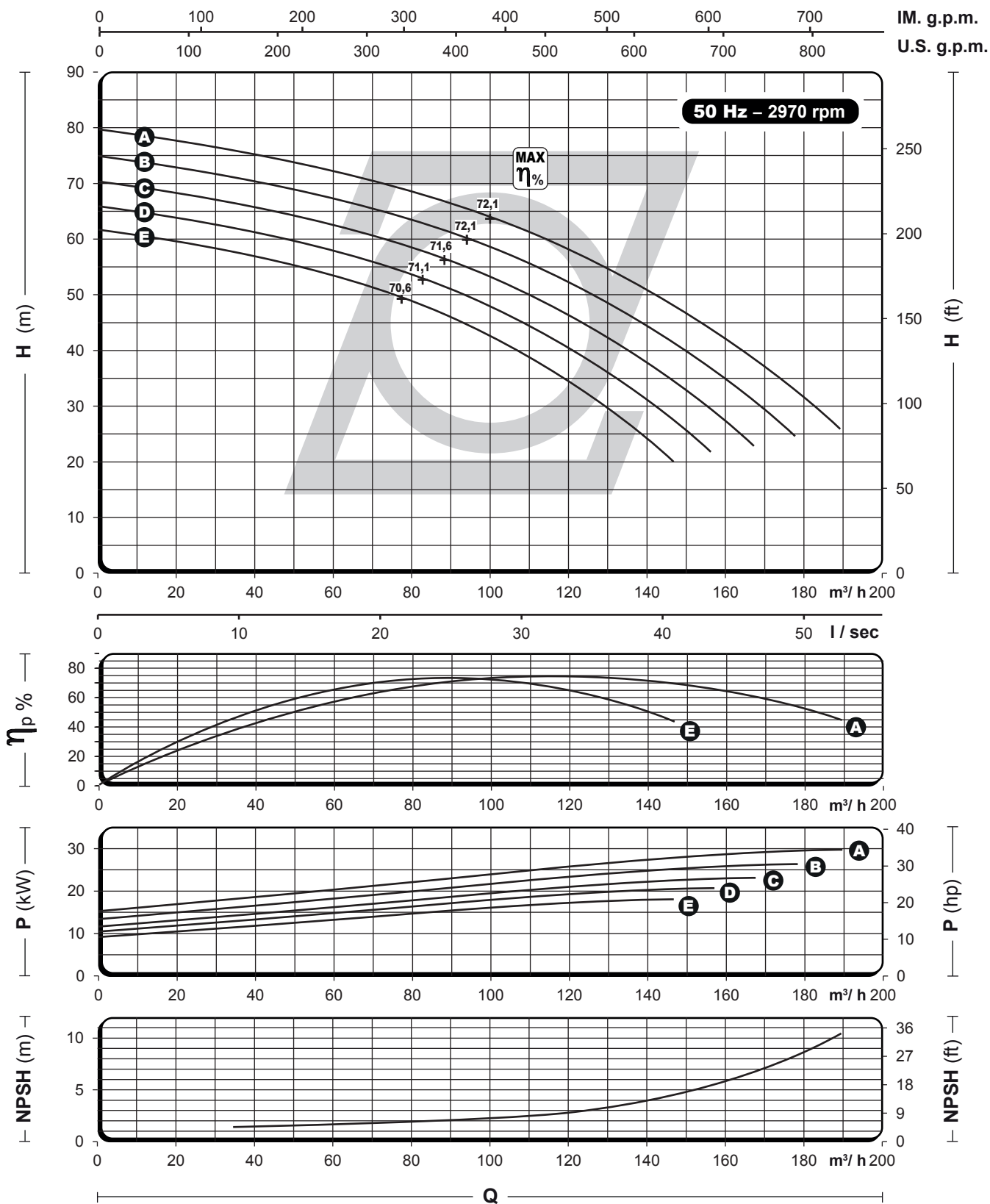
PERFORMANCE
CURVES

80.C - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 220 mm **C** = Ø 207 mm
B = Ø 213.5 mm **D** = Ø 200 mm
E = Ø 193.5 mm





Pump Type		Q										
HM - HMM	HMV	m³/h	0	17	50	70	84	94	-	-	-	-
HMR - HMVM	HMV	l/sec	0	4.8	13.8	19.4	23.5	26.2	-	-	-	-
80.C/1	80.C/1	H	19.7	19.0	15.8	12.6	9.5	6.3				
		P1	1.87	2.22	2.98	3.37	3.60	3.68				
80.C/2	80.C/2	H	39.4	37.9	31.6	25.3	19.0	12.6				
		P1	3.75	4.43	5.95	6.73	7.2	7.36				
80.C/3	80.C/3	H	59.2	56.9	47.4	37.9	28.5	19.0				
		P1	5.62	6.65	8.93	10.10	10.79	11.03				
80.C/4	80.C/4	H	78.9	75.8	63.2	50.6	38.0	25.3				
		P1	7.49	8.87	11.90	13.47	14.38	14.71				
80.C/5	80.C/5	H	98.6	94.8	79.0	63.2	47.4	31.6				
		P1	9.37	11.08	14.88	16.83	17.98	18.39				
80.C/6	80.C/6	H	118.3	113.7	94.8	75.9	56.9	37.9				
		P1	11.24	13.30	17.85	20.20	21.58	22.07				
80.C/7	80.C/7	H	138.0	132.7	110.6	88.5	66.4	44.3				
		P1	13.12	15.52	20.83	23.57	25.17	25.75				
80.C/8	80.C/8	H	157.7	151.7	126.4	101.2	75.9	50.6				
		P1	14.99	17.73	23.81	26.93	28.77	29.42				
80.C/9	-	H	177.5	170.6	142.2	113.8	85.4	56.9				
		P1	16.86	19.95	26.78	30.30	32.36	33.10				
80.C/10	-	H	197.2	189.6	158.0	126.4	94.9	63.2				
		P1	18.74	22.17	29.76	33.67	35.96	36.78				
80.C/11	-	H	216.9	208.5	173.8	139.1	104.4	69.6				
		P1	20.61	24.39	32.73	37.03	39.56	40.46				
80.C/12	-	H	236.6	227.5	189.6	151.7	113.9	75.9				
		P1	22.48	26.60	35.71	40.40	43.15	44.14				
80.C/13	-	H	256.3	246.4	205.5	164.4	123.3	82.2				
		P1	24.36	28.82	38.68	43.77	46.75	47.81				
80.C/14	-	H	276.0	265.4	221.3	177.0	132.8	88.5				
		P1	26.23	31.04	41.66	47.13	50.34	51.49				
80.C/15	-	H	295.8	284.4	237.1	189.7	142.3	94.9				
		P1	28.10	33.25	44.63	50.50	53.94	55.17				
80.C/16	-	H	315.5	303.3	252.9	202.3	151.8	101.2				
		P1	29.98	35.47	47.61	53.87	57.54	58.85				
80.C/17	-	H	335.2	322.3	268.7	215.0	161.3	107.5				
		P1	31.85	37.69	50.59	57.23	61.13	62.53				
80.C/18	-	H	354.9	341.2	284.5	227.6	170.8	113.8				
		P1	33.73	39.90	53.56	60.60	64.73	66.20				



POMPE ZANNI®

PERFORMANCE
CURVES

80.C - 1450 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

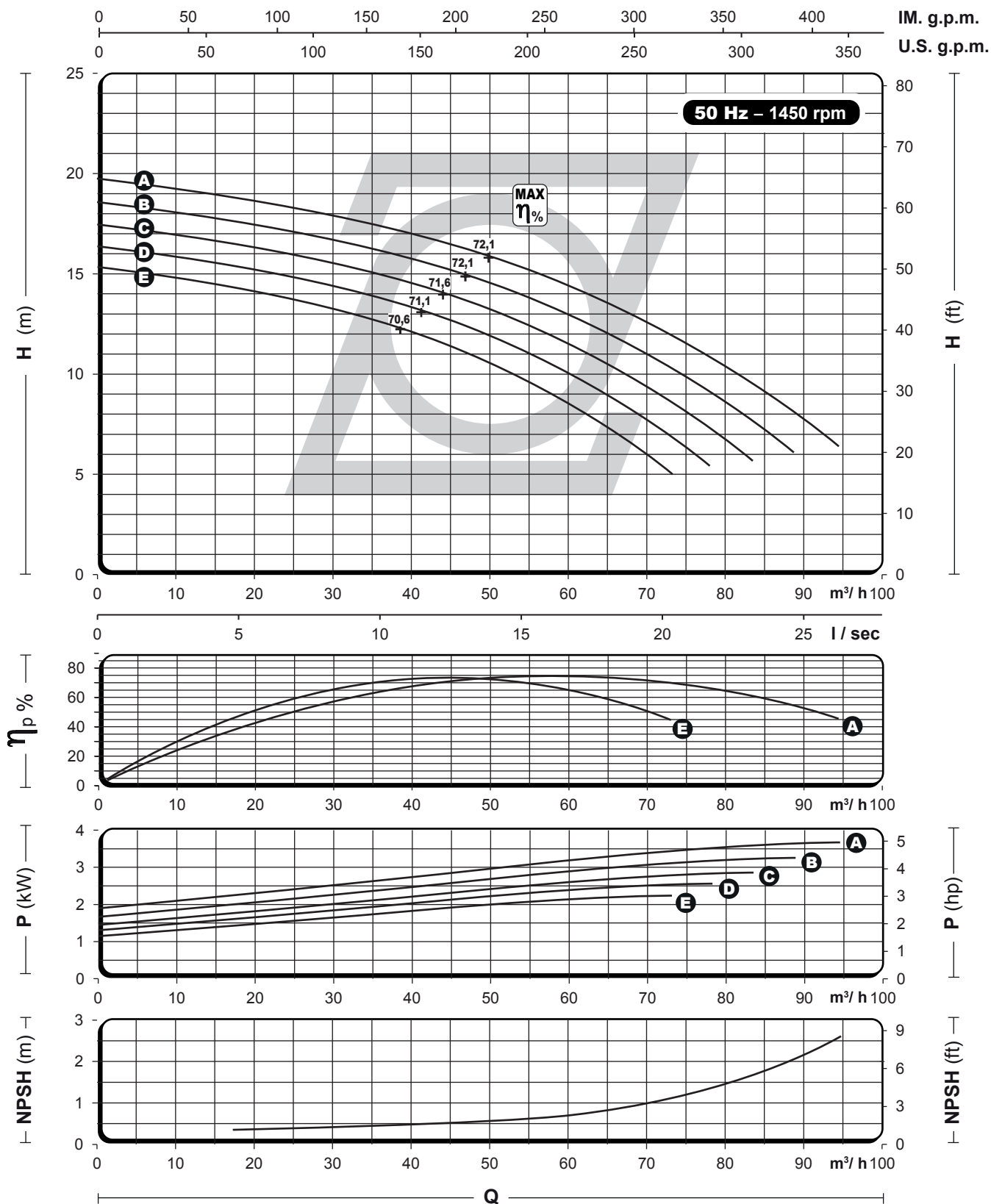
A = Ø 220 mm

B = Ø 213.5 mm

C = Ø 207 mm

D = Ø 200 mm

E = Ø 193.5 mm



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POMPE ZANNI®

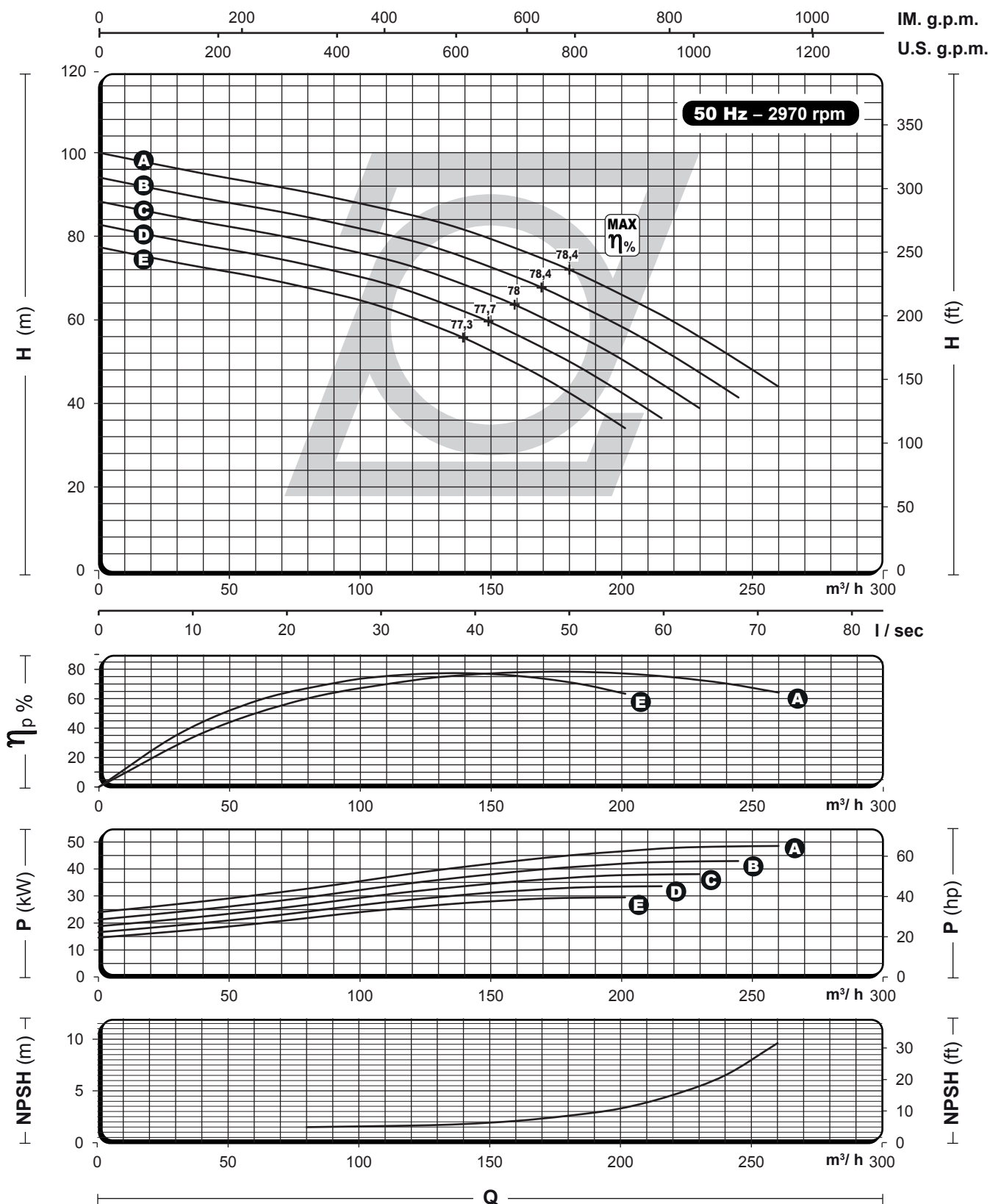
PERFORMANCE
CURVES

100.A - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 250 mm **C** = Ø 235 mm
B = Ø 242.5 mm **D** = Ø 227.5 mm
E = Ø 220 mm



Pump Type		Q												
HM - HMM		m³/h	0	20	40	60	70	80	90.0	100	110.0	120	130.0	
HMR - HMVM	HMV	l/sec	0	5.6	11.1	16.7	19.4	22.2	25.0	27.8	30.6	33.3	36.1	
100.A/1	100.A/1	H P1	H	24.8	23.6	22.5	21.1	20.2	19.1	17.9	16.4	14.8	12.9	10.9
			P1	2.97	3.46	4.05	4.74	5.05	5.32	5.57	5.75	5.91	5.98	6.00
100.A/2	100.A/2		H	49.7	47.2	44.9	42.2	40.5	38.2	35.8	32.8	29.6	25.8	21.9
			P1	5.94	6.93	8.09	9.48	10.1	10.64	11.14	11.51	11.83	11.95	12.00
100.A/3	100.A/3		H	74.5	70.8	67.4	63.3	60.7	57.4	53.6	49.2	44.3	38.7	32.8
			P1	8.91	10.39	12.14	14.22	15.15	15.96	16.71	17.26	17.74	17.93	18.00
100.A/4	100.A/4		H	99.3	94.4	89.9	84.4	81.0	76.5	71.5	65.6	59.1	51.7	43.7
			P1	11.88	13.86	16.19	18.96	20.19	21.28	22.27	23.02	23.66	23.91	24.01
100.A/5	100.A/5		H	124.2	118.0	112.4	105.5	101.2	95.6	89.4	81.9	73.9	64.6	54.6
			P1	14.85	17.32	20.23	23.70	25.24	26.60	27.84	28.77	29.57	29.88	30.01
100.A/6	100.A/6		H	149.0	141.5	134.8	126.6	121.4	114.7	107.3	98.3	88.7	77.5	65.6
			P1	17.82	20.79	24.28	28.44	30.29	31.93	33.41	34.52	35.49	35.86	36.01
100.A/7	-		H	173.8	165.1	157.3	147.8	141.7	133.8	125.2	114.7	103.4	90.4	76.5
			P1	20.79	24.25	28.32	33.18	35.34	37.25	38.98	40.28	41.40	41.84	42.01
100.A/8	-		H	198.7	188.7	179.8	168.9	161.9	153.0	143.0	131.1	118.2	103.3	87.4
			P1	23.76	27.72	32.37	37.91	40.39	42.57	44.55	46.03	47.32	47.81	48.01
100.A/9	-	H	223.5	212.3	202.3	190.0	182.1	172.1	160.9	147.5	133.0	116.2	98.3	
		P1	26.73	31.18	36.42	42.65	45.44	47.89	50.12	51.79	53.23	53.79	54.01	
100.A/10	-	H	248.3	235.9	224.7	211.1	202.4	191.2	178.8	163.9	147.8	129.1	109.3	
		P1	29.70	34.65	40.46	47.39	50.49	53.21	55.68	57.54	59.15	59.77	60.01	
100.A/11	-	H	273.2	259.5	247.2	232.2	222.6	210.3	196.7	180.3	162.5	142.0	120.2	
		P1	32.67	38.11	44.51	52.13	55.54	58.53	61.25	63.29	65.06	65.74	66.02	
100.A/12	-	H	298.0	283.1	269.7	253.3	242.9	229.4	214.5	196.7	177.3	155.0	131.1	
		P1	35.64	41.58	48.56	56.87	60.58	63.85	66.82	69.05	70.98	71.72	72.02	
100.A/13	-	H	322.8	306.7	292.1	274.4	263.1	248.6	232.4	213.1	192.1	167.9	142.0	
		P1	38.61	45.04	52.60	61.61	65.63	69.17	72.39	74.80	76.89	77.70	78.02	
100.A/14	-	H	347.6	330.3	314.6	295.5	283.3	267.7	250.3	229.4	206.9	180.8	153.0	
		P1	41.58	48.51	56.65	66.35	70.68	74.49	77.96	80.56	82.81	83.67	84.02	
100.A/15	-	H	372.5	353.9	337.1	316.6	303.6	286.8	268.2	245.8	221.6	193.7	163.9	
		P1	44.55	51.97	60.70	71.09	75.73	79.81	83.53	86.31	88.72	89.65	90.02	
100.A/16	-	H	397.3	377.4	359.6	337.7	323.8	305.9	286.1	262.2	236.4	206.6	174.8	
		P1	47.52	55.44	64.74	75.83	80.78	85.13	89.09	92.06	94.64	95.63	96.02	



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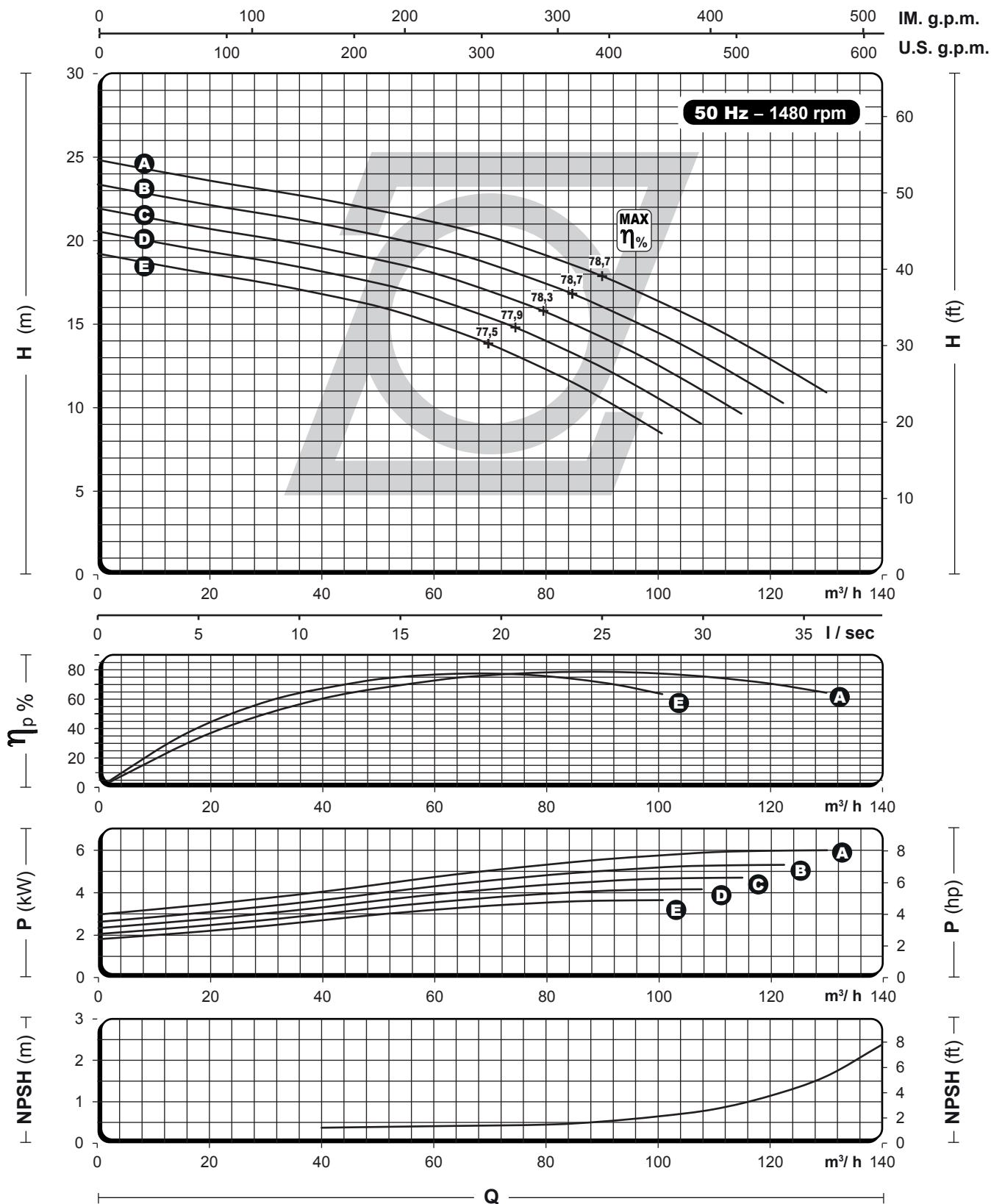
PERFORMANCE
CURVES

100.A - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 250 mm
B = Ø 242.5 mm
C = Ø 235 mm
D = Ø 227.5 mm
E = Ø 220 mm



[illegible]



POMPE ZANNI®

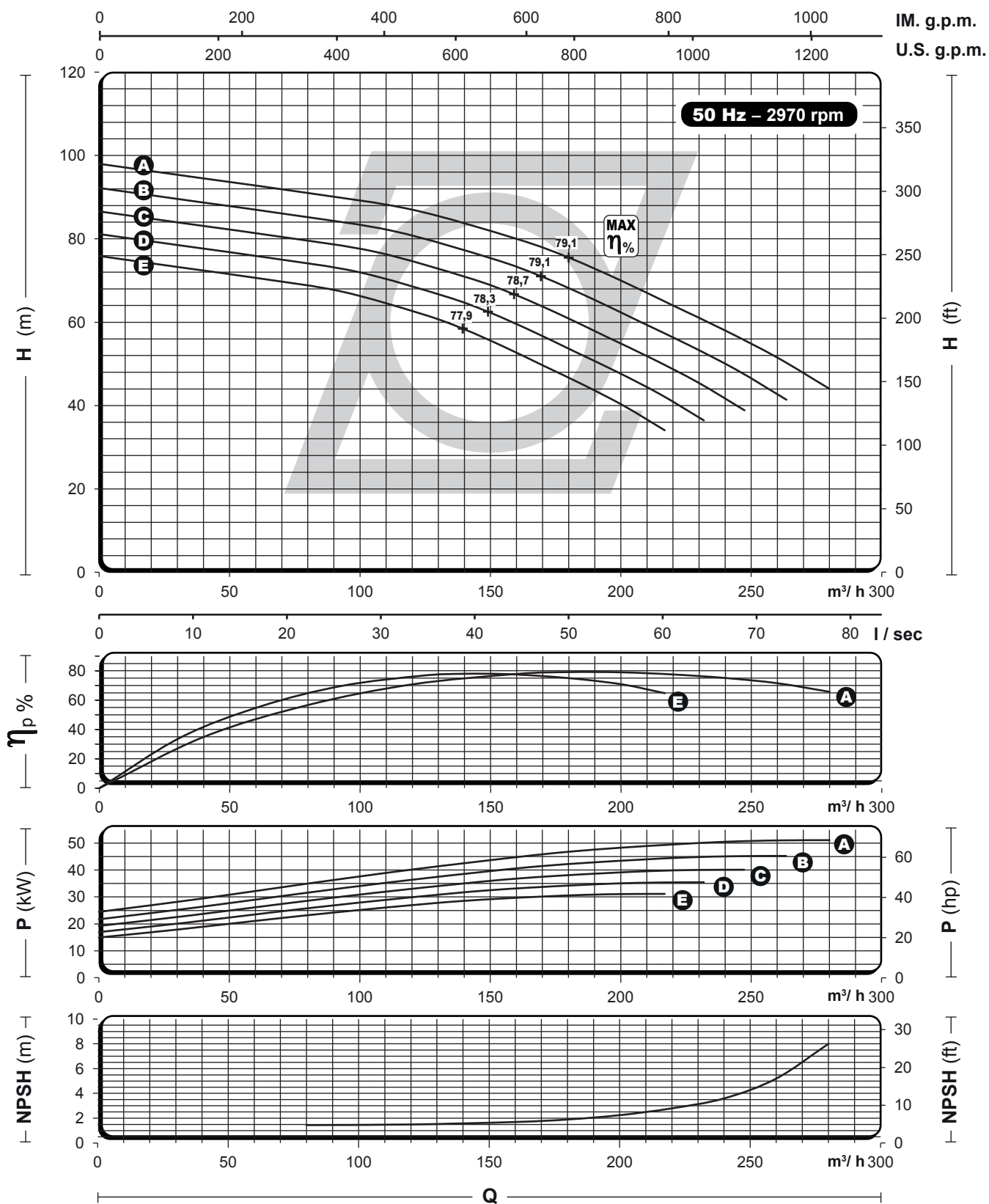
PERFORMANCE
CURVES

100.B - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 250 mm **C** = Ø 235 mm
B = Ø 242.5 mm **D** = Ø 227.5 mm
E = Ø 220 mm



Pump Type		Q												
HM - HMM		m³/h	0	20	40	60	80	90	100	110	120	130	140	
HMR - HMVM	HMV	l/sec	0	5.6	11.1	16.7	22.2	25.0	27.8	30.6	33.3	36.1	38.9	
100.B/1	100.B/1	H (m) — P1 (kW)	H	24.3	23.5	22.6	21.6	19.9	18.7	17.4	15.9	14.4	12.8	10.9
			P1	3.03	3.65	4.33	4.97	5.54	5.79	5.98	6.13	6.25	6.31	6.32
100.B/2	100.B/2		H	48.7	46.9	45.2	43.2	39.7	37.5	34.8	31.8	28.8	25.6	21.9
			P1	6.06	7.30	8.66	9.95	11.1	11.58	11.95	12.25	12.50	12.62	12.65
100.B/3	100.B/3		H	73.0	70.4	67.8	64.8	59.6	56.2	52.1	47.7	43.2	38.4	32.8
			P1	9.10	10.95	12.99	14.92	16.63	17.37	17.93	18.38	18.75	18.93	18.97
100.B/4	100.B/4		H	97.3	93.9	90.4	86.4	79.5	75.0	69.5	63.6	57.6	51.2	43.7
			P1	12.13	14.60	17.32	19.90	22.17	23.16	23.91	24.50	25.00	25.24	25.29
100.B/5	100.B/5		H	121.7	117.3	113.0	108.0	99.3	93.7	86.9	79.5	72.0	63.9	54.6
			P1	15.16	18.25	21.65	24.87	27.72	28.96	29.88	30.63	31.24	31.55	31.62
100.B/6	100.B/6		H	146.0	140.8	135.6	129.6	119.2	112.5	104.3	95.4	86.4	76.7	65.6
			P1	18.19	21.90	25.99	29.85	33.26	34.75	35.86	36.75	37.49	37.86	37.94
100.B/7	-		H	170.3	164.3	158.2	151.2	139.1	131.2	121.7	111.2	100.8	89.5	76.5
			P1	21.22	25.55	30.32	34.82	38.81	40.54	41.84	42.88	43.74	44.18	44.26
100.B/8	-		H	194.7	187.7	180.8	172.8	158.9	150.0	139.1	127.1	115.2	102.3	87.4
			P1	24.25	29.20	34.65	39.80	44.35	46.33	47.81	49.00	49.99	50.49	50.59
100.B/9	-	H	219.0	211.2	203.4	194.4	178.8	168.7	156.4	143.0	129.6	115.1	98.3	
		P1	27.29	32.85	38.98	44.77	49.89	52.12	53.79	55.13	56.24	56.80	56.91	
100.B/10	-	H	243.4	234.7	226.0	216.0	198.7	187.5	173.8	158.9	144.0	127.9	109.3	
		P1	30.32	36.50	43.31	49.74	55.44	57.91	59.77	61.25	62.49	63.11	63.23	
100.B/11	-	H	267.7	258.1	248.6	237.6	218.5	206.2	191.2	174.8	158.4	140.7	120.2	
		P1	33.35	40.15	47.64	54.72	60.98	63.70	65.74	67.38	68.74	69.42	69.56	
100.B/12	-	H	292.0	281.6	271.2	259.2	238.4	225.0	208.6	190.7	172.8	153.5	131.1	
		P1	36.38	43.80	51.97	59.69	66.52	69.49	71.72	73.50	74.99	75.73	75.88	
100.B/13	-	H	316.4	305.1	293.8	280.8	258.3	243.7	226.0	206.6	187.2	166.2	142.0	
		P1	39.41	47.45	56.30	64.67	72.07	75.28	77.70	79.63	81.24	82.04	82.20	
100.B/14	-	H	340.7	328.5	316.4	302.5	278.1	262.5	243.4	222.5	201.6	179.0	153.0	
		P1	42.44	51.11	60.63	69.64	77.61	81.08	83.67	85.75	87.49	88.35	88.52	
100.B/15	-	H	365.0	352.0	339.0	324.1	298.0	281.2	260.7	238.4	216.0	191.8	163.9	
		P1	45.48	54.76	64.96	74.62	83.15	86.87	89.65	91.88	93.73	94.66	94.85	
100.B/16	-	H	389.4	375.5	361.6	345.7	317.8	300.0	278.1	254.3	230.4	204.6	174.8	
		P1	48.51	58.41	69.30	79.59	88.70	92.66	95.63	98.00	99.98	100.97	101.17	



POMPE ZANNI®

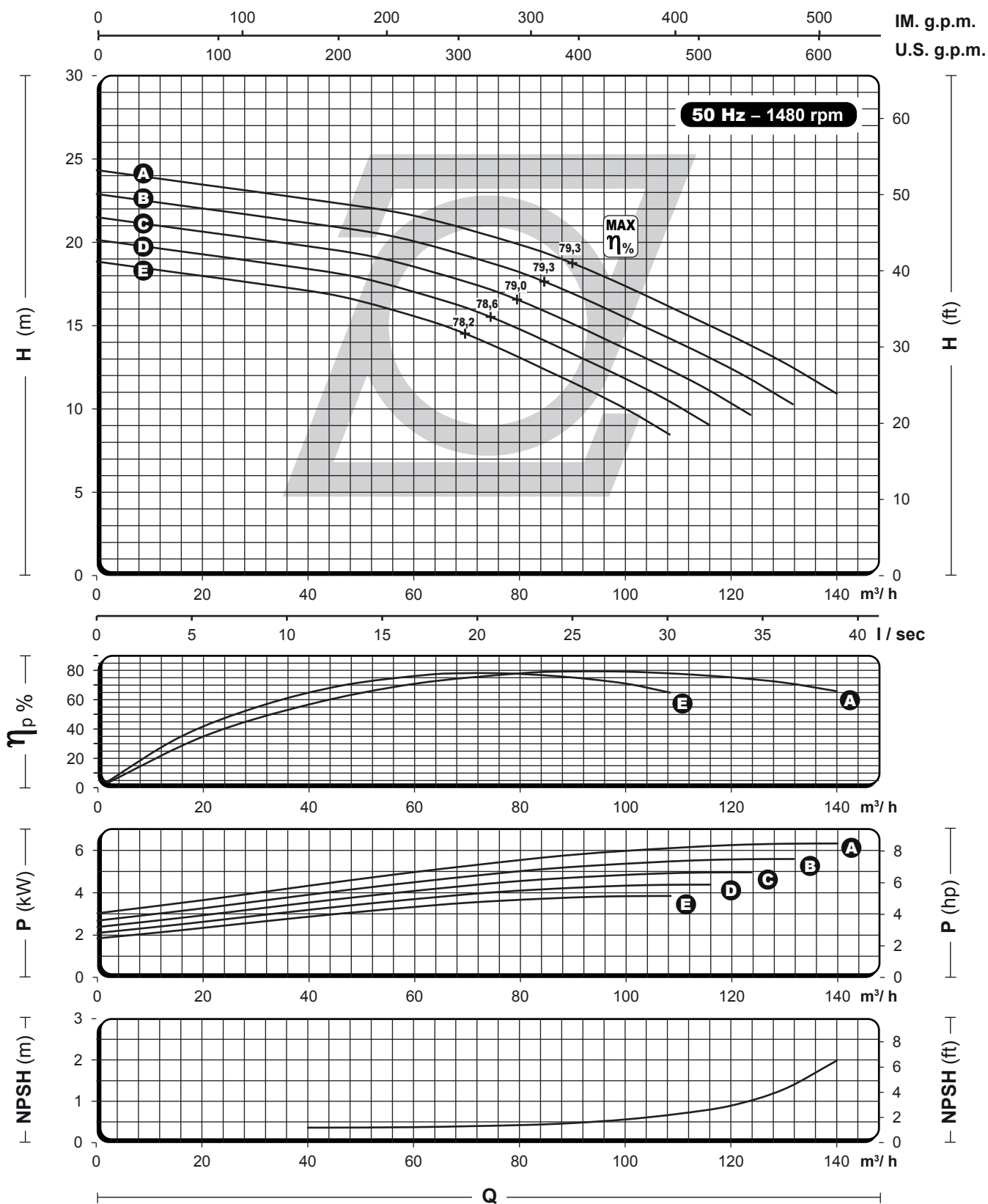
PERFORMANCE
CURVES

100.B - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 250 mm **C** = Ø 235 mm
B = Ø 242.5 mm **D** = Ø 227.5 mm
E = Ø 220 mm



[illegible]



POMPE ZANNI®

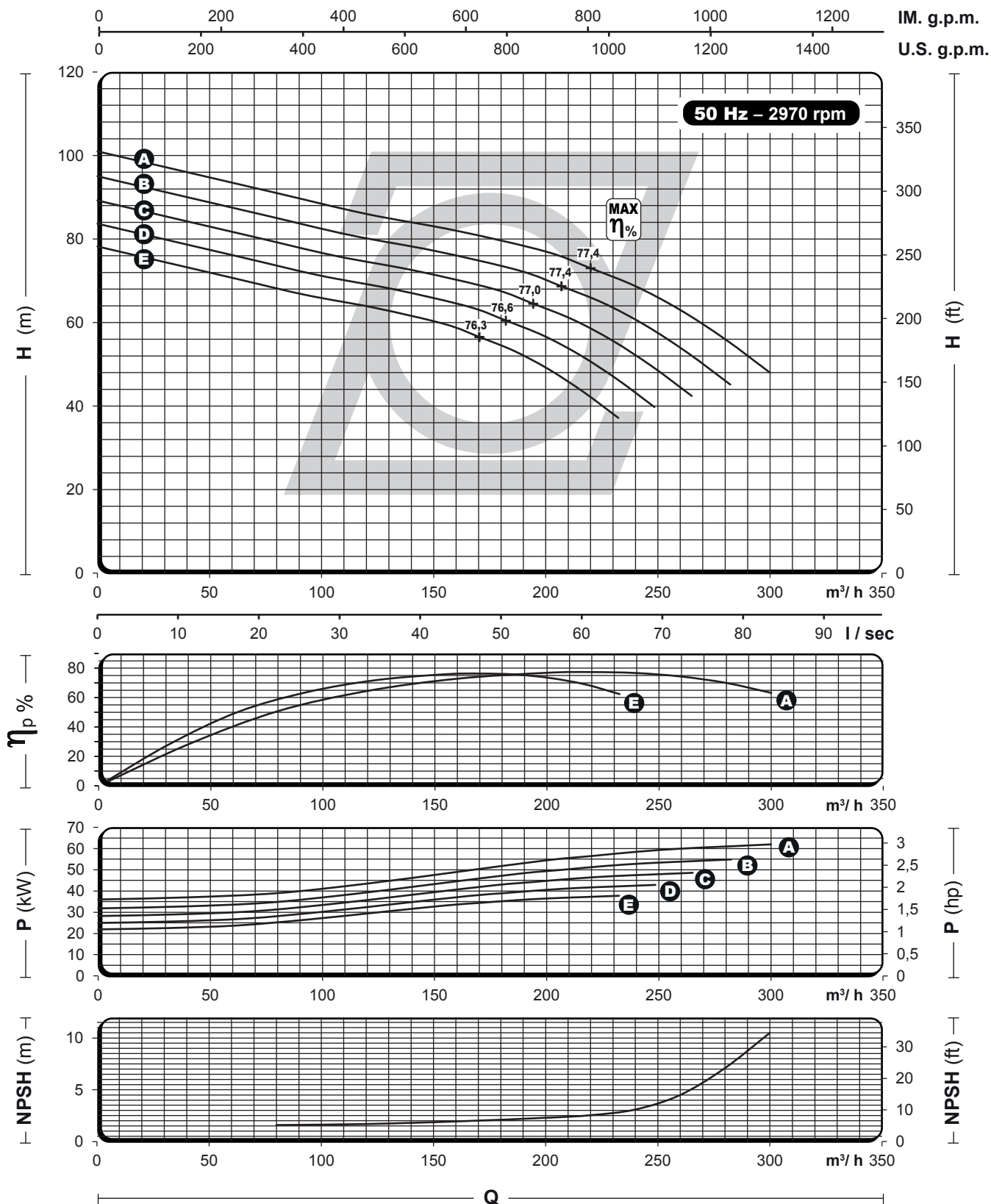
PERFORMANCE
CURVES

100.C - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 250 mm **C** = Ø 235 mm
B = Ø 242.5 mm **D** = Ø 227.5 mm
E = Ø 220 mm



Pump Type		Q												
HM - HMM		m³/h	0	20	40	60	80	100	110	120	130	140	150	
HMR - HMMV	HMV	l/sec	0	5.6	11.1	16.7	22.2	27.8	30.6	33.3	36.1	38.9	41.7	
100.C/1	100.C/1	H _(m) — P1 _(kW)	H	25.1	23.8	22.6	21.4	20.4	19.1	18.1	17.1	15.6	13.9	11.9
			P1	4.45	4.58	4.83	5.38	6.06	6.74	6.99	7.24	7.42	7.55	7.67
100.C/2	100.C/2		H	50.2	47.7	45.2	42.7	40.7	38.2	36.3	34.1	31.3	27.8	23.8
			P1	8.91	9.16	9.65	10.77	12.1	13.49	13.98	14.48	14.85	15.10	15.34
100.C/3	100.C/3		H	75.2	71.5	67.8	64.1	61.1	57.4	54.4	51.2	46.9	41.7	35.8
			P1	13.36	13.74	14.48	16.15	18.19	20.23	20.97	21.72	22.27	22.64	23.02
100.C/4	100.C/4		H	100.3	95.4	90.4	85.4	81.4	76.5	72.5	68.2	62.6	55.6	47.7
			P1	17.82	18.31	19.30	21.53	24.25	26.98	27.97	28.96	29.70	30.19	30.69
100.C/5	100.C/5		H	125.4	119.2	113.0	106.8	101.8	95.6	90.6	85.3	78.2	69.5	59.6
			P1	22.27	22.89	24.13	26.91	30.32	33.72	34.96	36.19	37.12	37.74	38.36
100.C/6	100.C/6		H	150.5	143.0	135.6	128.1	122.2	114.7	108.8	102.4	93.9	83.4	71.5
			P1	26.73	27.47	28.96	32.30	36.38	40.46	41.95	43.43	44.55	45.29	46.03
100.C/7	-		H	175.6	166.9	158.2	149.5	142.5	133.8	126.9	119.4	109.5	97.3	83.4
			P1	31.18	32.05	33.78	37.68	42.44	47.21	48.94	50.67	51.97	52.84	53.70
100.C/8	-		H	200.6	190.7	180.8	170.8	162.9	153.0	145.0	136.5	125.2	111.2	95.4
			P1	35.64	36.63	38.61	43.06	48.51	53.95	55.93	57.91	59.40	60.39	61.38
100.C/9	-	H	225.7	214.5	203.4	192.2	183.3	172.1	163.1	153.5	140.8	125.2	107.3	
		P1	40.09	41.21	43.43	48.44	54.57	60.70	62.92	65.15	66.82	67.93	69.05	
100.C/10	-	H	250.8	238.4	226.0	213.6	203.6	191.2	181.3	170.6	156.4	139.1	119.2	
		P1	44.55	45.78	48.26	53.83	60.63	67.44	69.91	72.39	74.24	75.48	76.72	
100.C/11	-	H	275.9	262.2	248.6	234.9	224.0	210.3	199.4	187.7	172.1	153.0	131.1	
		P1	49.00	50.36	53.09	59.21	66.70	74.18	76.91	79.63	81.67	83.03	84.39	
100.C/12	-	H	301.0	286.1	271.2	256.3	244.3	229.4	217.5	204.7	187.7	166.9	143.0	
		P1	53.46	54.94	57.91	64.59	72.76	80.93	83.90	86.87	89.09	90.58	92.06	
100.C/13	-	H	326.0	309.9	293.8	277.6	264.7	248.6	235.7	221.8	203.4	180.8	155.0	
		P1	57.91	59.52	62.74	69.98	78.82	87.67	90.89	94.11	96.52	98.13	99.74	
100.C/14	-	H	351.1	333.7	316.4	299.0	285.1	267.7	253.8	238.8	219.0	194.7	166.9	
		P1	62.37	64.10	67.56	75.36	84.89	94.41	97.88	101.34	103.94	105.68	107.41	
100.C/15	-	H	376.2	357.6	339.0	320.3	305.4	286.8	271.9	255.9	234.7	208.6	178.8	
		P1	66.82	68.68	72.39	80.74	90.95	101.16	104.87	108.58	111.37	113.22	115.08	
100.C/16	-	H	401.3	381.4	361.6	341.7	325.8	305.9	290.0	273.0	250.3	222.5	190.7	
		P1	71.28	73.26	77.21	86.12	97.01	107.90	111.86	115.82	118.79	120.77	122.75	



POMPE ZANNI®

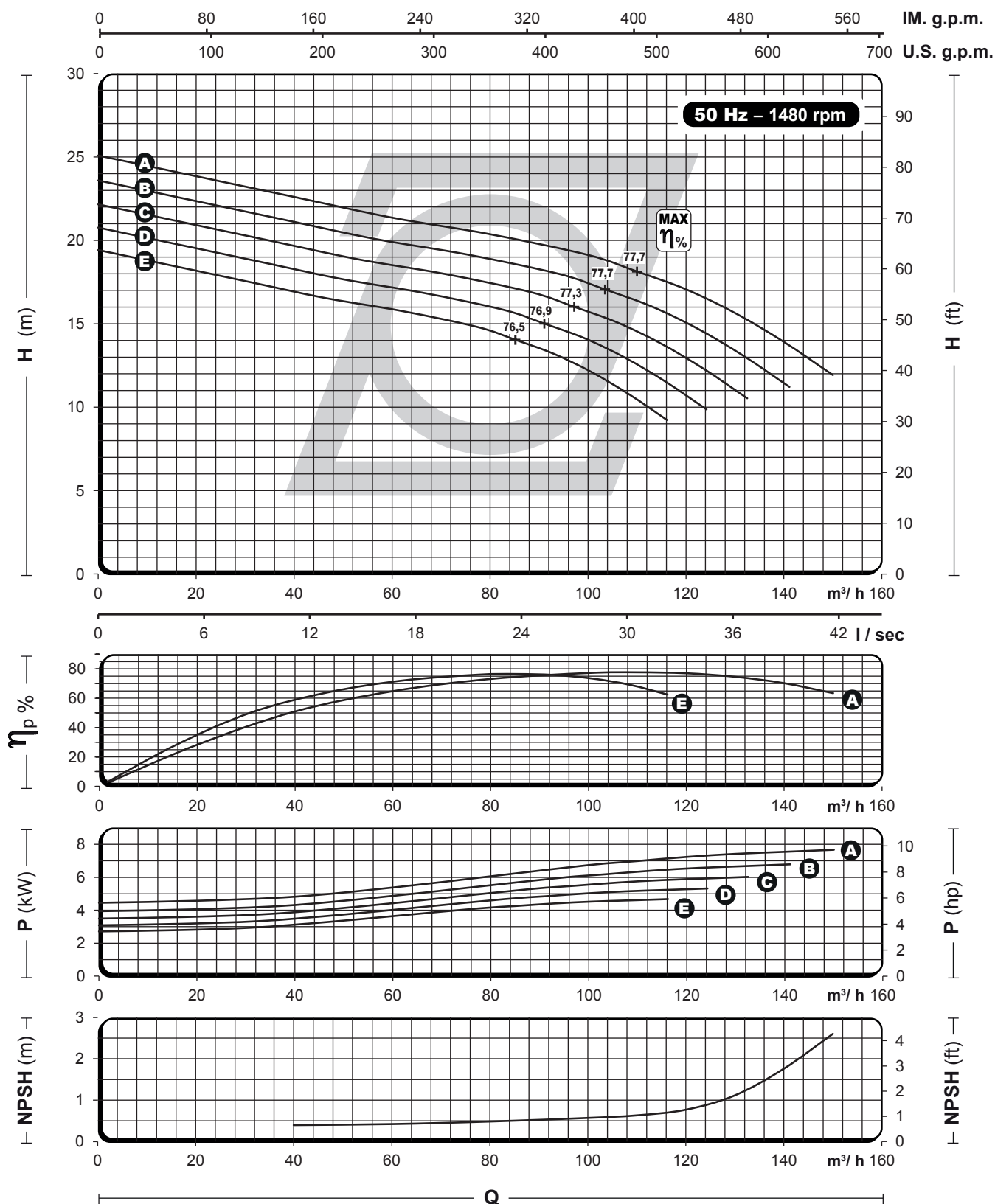
PERFORMANCE
CURVES

100.C - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 250 mm **C** = Ø 235 mm
B = Ø 242.5 mm **D** = Ø 227.5 mm
E = Ø 220 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

125.A - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

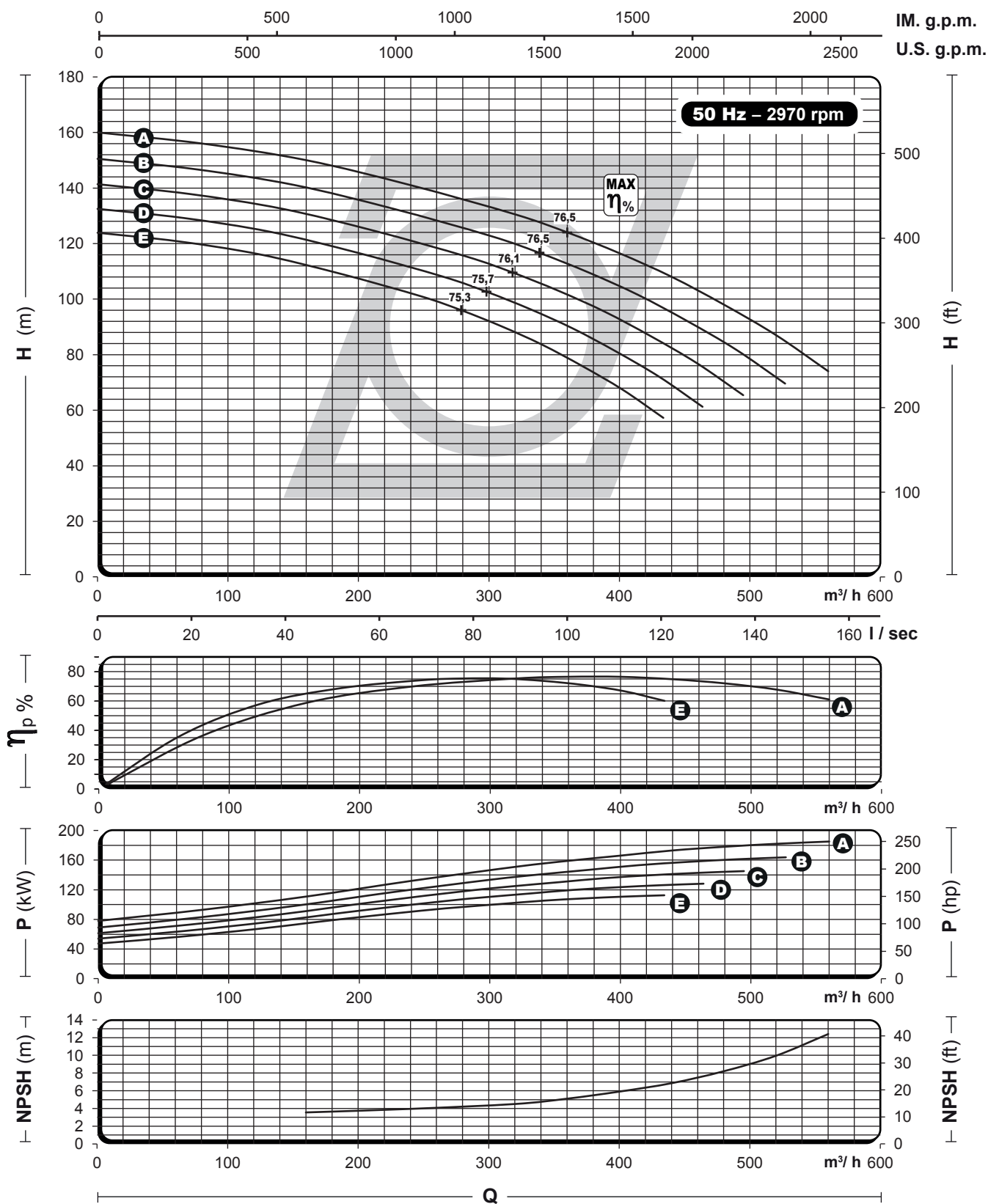
A = Ø 315 mm

B = Ø 306 mm

C = Ø 296 mm

D = Ø 287 mm

E = Ø 277 mm



[illegible]



POMPE ZANNI®

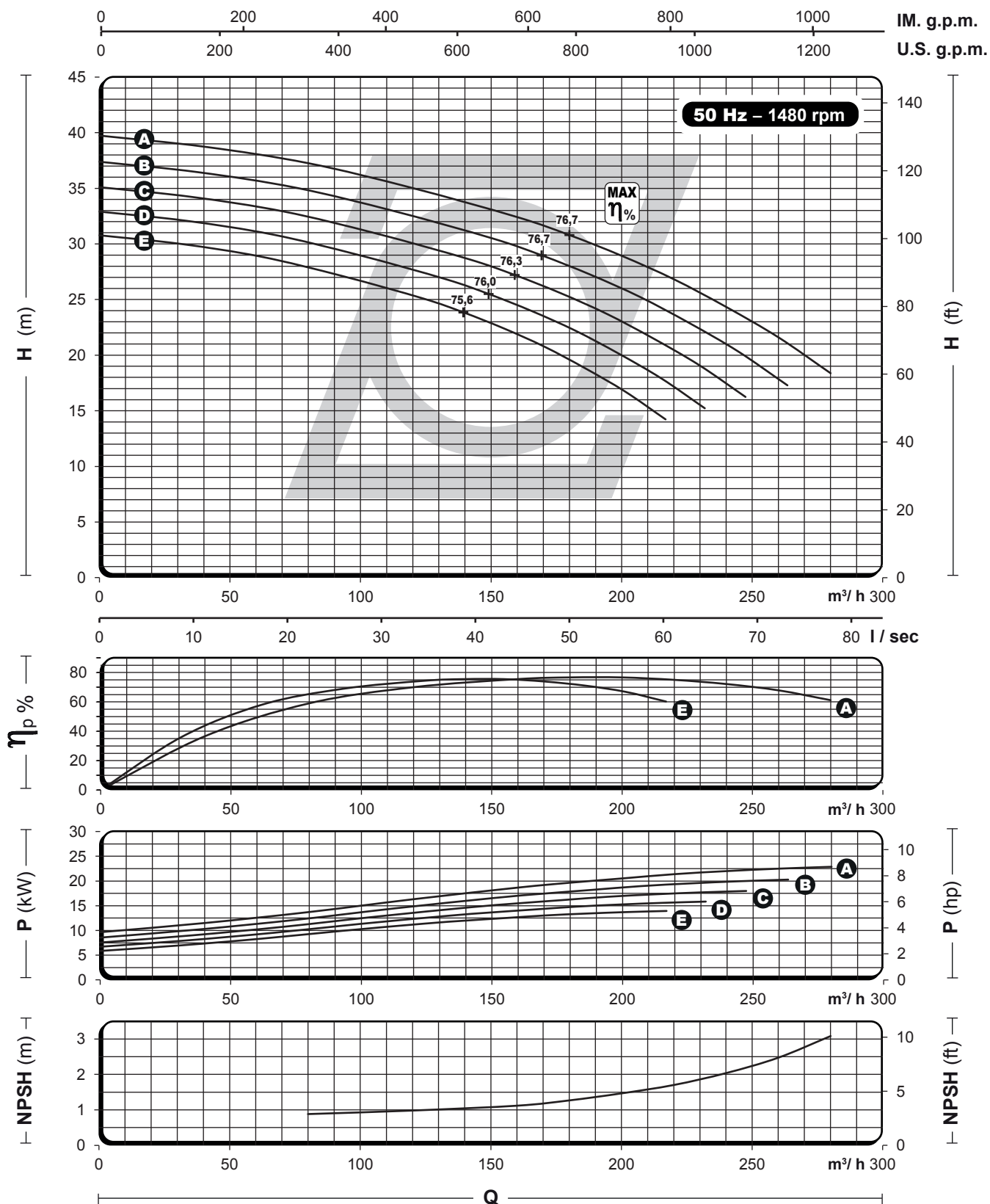
PERFORMANCE
CURVES

125.A - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 315 mm **C** = Ø 296 mm
B = Ø 306 mm **D** = Ø 287 mm
E = Ø 277 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

125.B - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

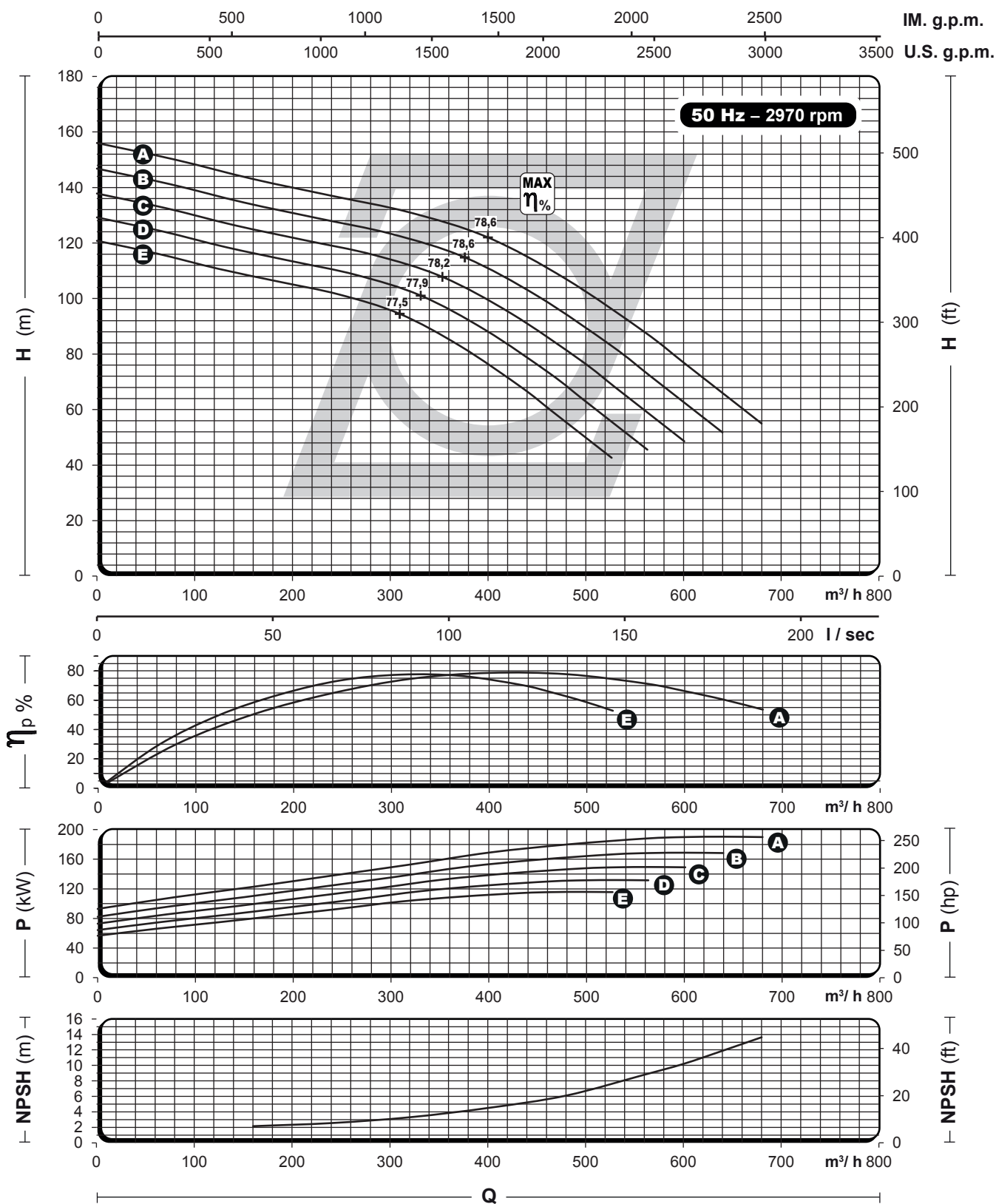
A = Ø 315 mm

B = Ø 306 mm

C = Ø 296 mm

D = Ø 287 mm

E = Ø 277 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

125.B - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

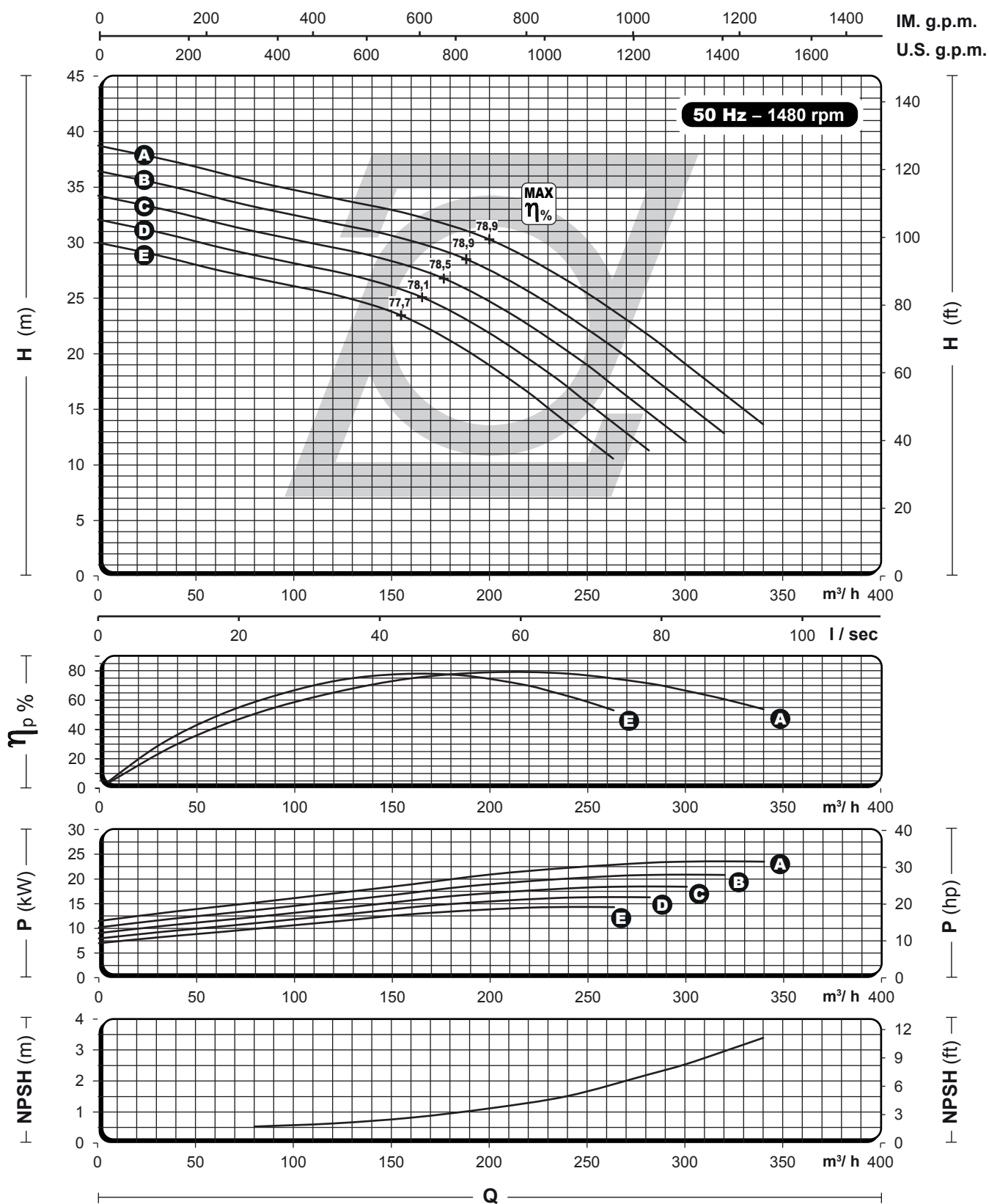
A = Ø 315 mm

B = Ø 306 mm

C = Ø 296 mm

D = Ø 287 mm

E = Ø 277 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

125.C - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

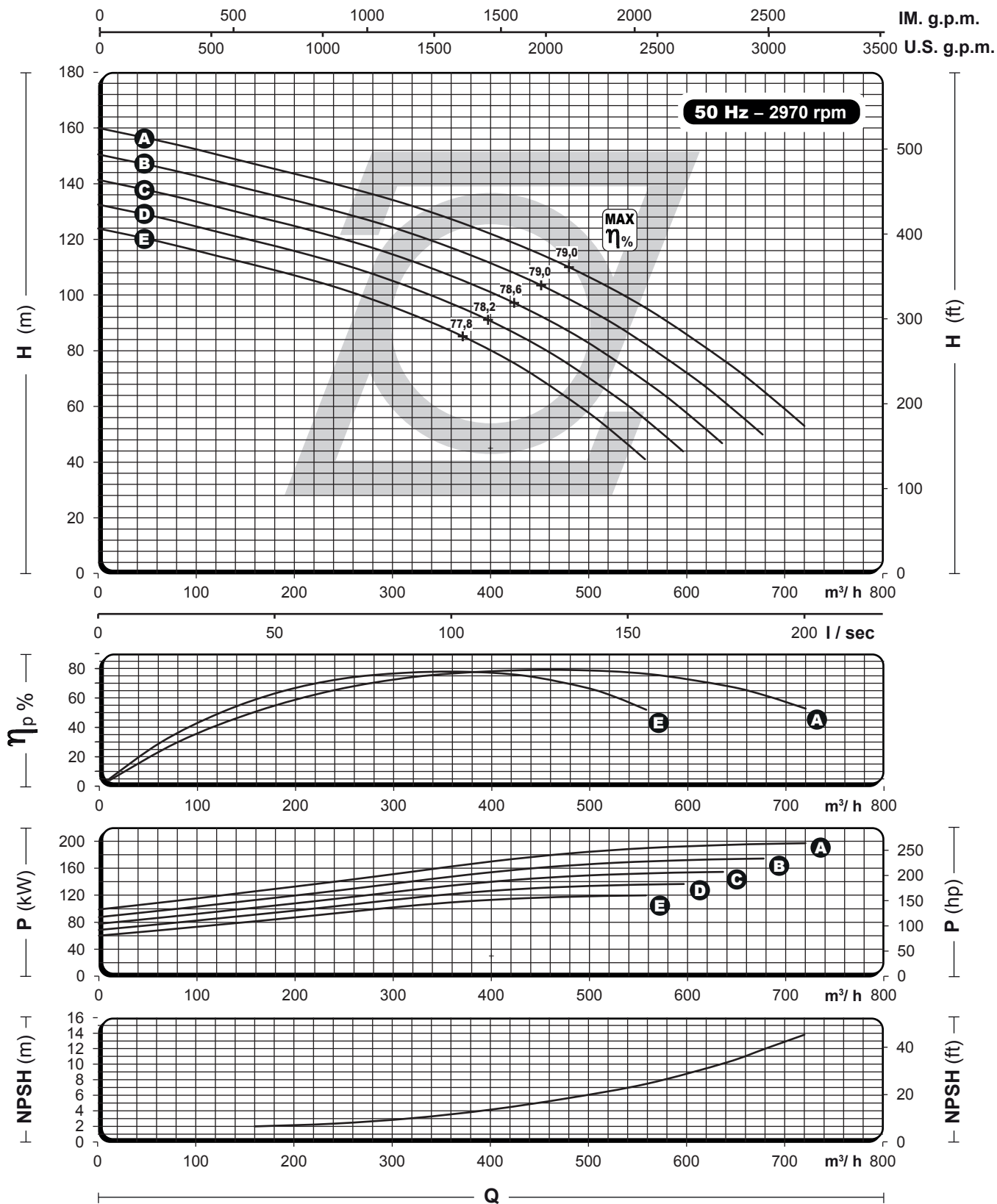
A = Ø 315 mm

B = Ø 306 mm

C = Ø 296 mm

D = Ø 287 mm

E = Ø 277 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

125.C - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

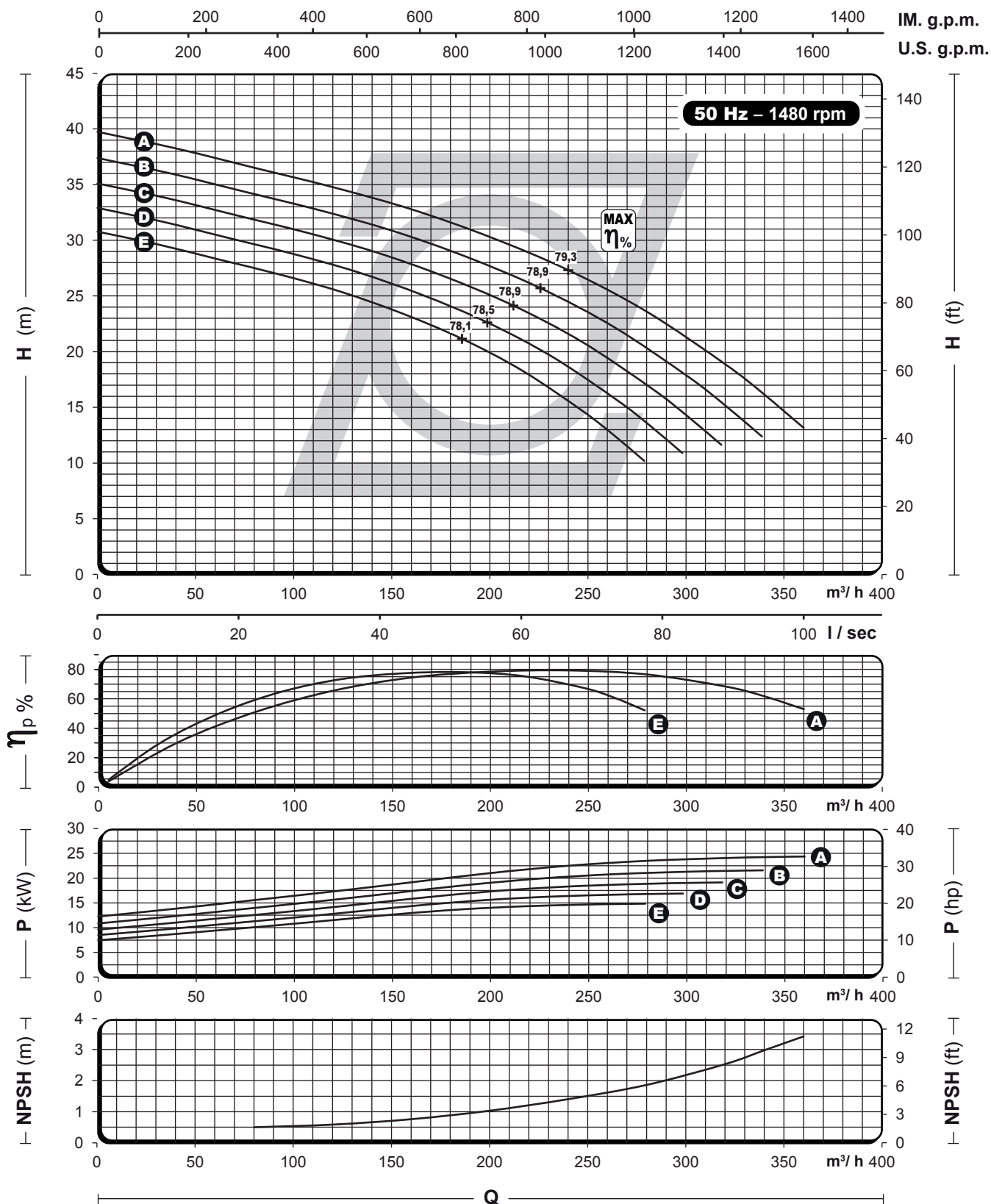
A = Ø 315 mm

B = Ø 306 mm

C = Ø 296 mm

D = Ø 287 mm

E = Ø 277 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

150.A - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

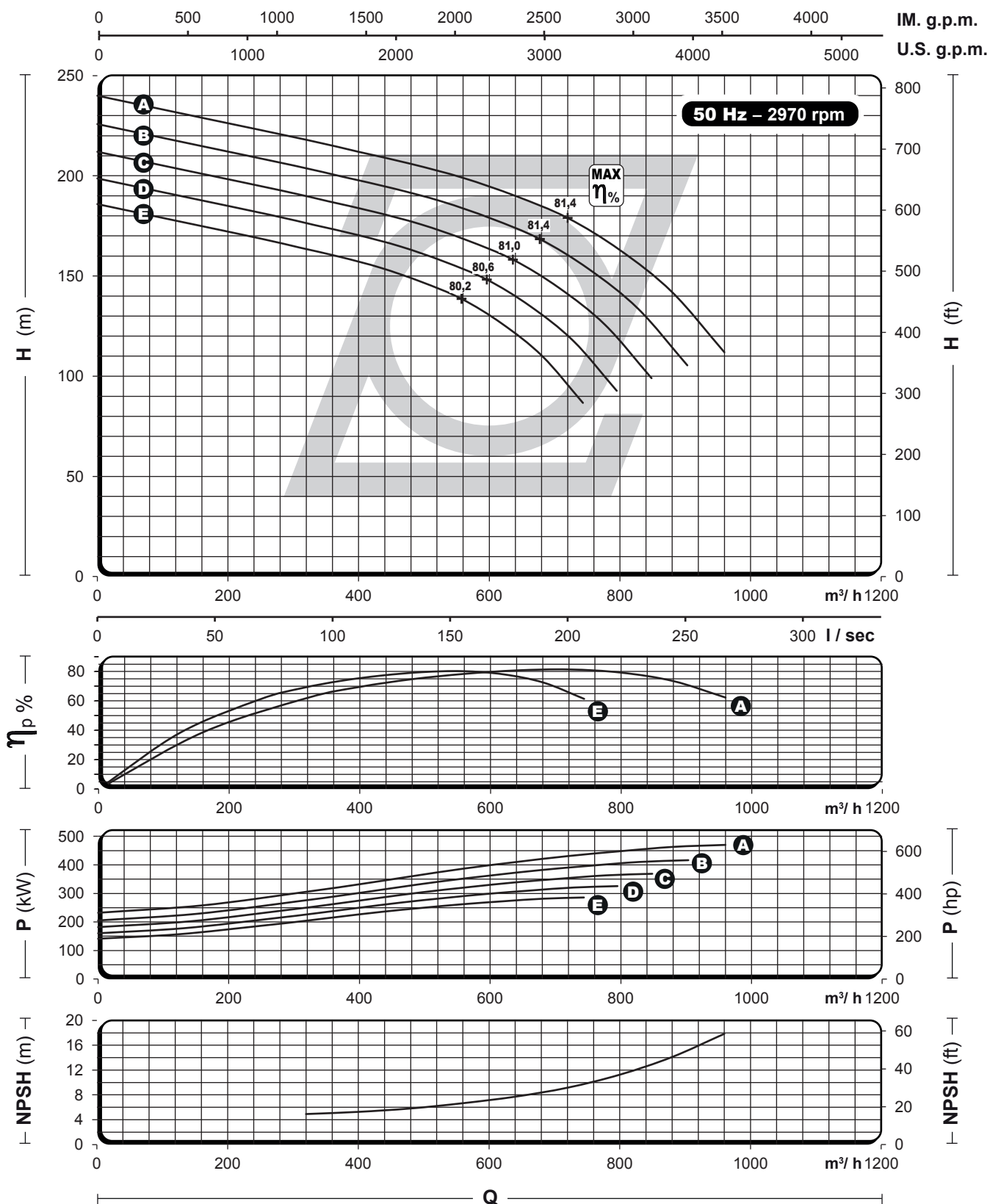
A = Ø 390 mm

B = Ø 378 mm

C = Ø 367 mm

D = Ø 355 mm

E = Ø 343 mm





Pump Type			Q												
HM - HMM HMMVM	HMR	HMY	m³/h	0	80	160	200	240	280	320	360	400	440	480	
			l/sec	0	22.2	44.4	55.6	66.7	77.8	88.9	100.0	111.1	122.2	133	
150.A/1	150.A/1	150.A/1	H P1	H	59.6	56.9	54.1	52.6	51.2	49.4	47.2	44.4	40.5	35.3	27.8
				P1	28.71	31.93	37.86	41.08	44.55	47.89	50.73	53.33	55.44	57.29	58.16
150.A/2	150.A/2	150.A/2		H	119.2	113.7	108.3	105.3	102.3	98.8	94.4	88.9	81.0	70.5	55.6
				P1	57.42	63.85	75.73	82.16	89.1	95.78	101.47	106.67	110.87	114.58	116.32
150.A/3	150.A/3	150.A/3		H	178.8	170.6	162.4	157.9	153.5	148.2	141.5	133.3	121.4	105.8	83.4
				P1	86.12	95.78	113.59	123.25	133.64	143.66	152.20	160.00	166.31	171.88	174.48
150.A/4	150.A/4	150.A/4		H	238.4	227.5	216.5	210.6	204.6	197.7	188.7	177.8	161.9	141.0	111.2
				P1	114.83	127.70	151.46	164.33	178.19	191.55	202.94	213.33	221.74	229.17	232.63
150.A/5	150.A/5	-		H	298.0	284.3	270.7	263.2	255.8	247.1	235.9	222.2	202.4	176.3	139.1
				P1	143.54	159.63	189.32	205.41	222.73	239.44	253.67	266.66	277.18	286.46	290.79
150.A/6	150.A/6	-		H	357.6	341.2	324.8	315.9	306.9	296.5	283.1	266.7	242.9	211.6	166.9
				P1	172.25	191.55	227.19	246.49	267.28	287.33	304.40	320.00	332.62	343.75	348.95
150.A/7	150.A/7	-		H	417.2	398.1	378.9	368.5	358.1	345.9	330.3	311.1	283.3	246.8	194.7
				P1	200.96	223.48	265.05	287.58	311.83	335.22	355.14	373.33	388.05	401.05	407.11
150.A/8	150.A/8	-		H	476.8	454.9	433.1	421.1	409.2	395.3	377.4	355.6	323.8	282.1	222.5
				P1	229.66	255.40	302.92	328.66	356.38	383.10	405.87	426.66	443.49	458.34	465.27
150.A/9	150.A/9	-		H	536.4	511.8	487.2	473.8	460.4	444.7	424.6	400.0	364.3	317.4	250.3
				P1	258.37	287.33	340.78	369.74	400.92	430.99	456.61	479.99	498.93	515.63	523.43
150.A/10	150.A/10	-		H	596.0	568.7	541.3	526.4	511.5	494.2	471.8	444.5	404.8	352.6	278.1
				P1	287.08	319.25	378.65	410.82	445.47	478.88	507.34	533.33	554.36	572.92	581.59
-	150.A/11	-	H	655.6	625.5	595.5	579.1	562.7	543.6	519.0	488.9	445.2	387.9	305.9	
			P1	315.79	351.18	416.51	451.90	490.02	526.77	558.07	586.66	609.80	630.22	639.74	



POMPE ZANNI®

PERFORMANCE
CURVES

150.A - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

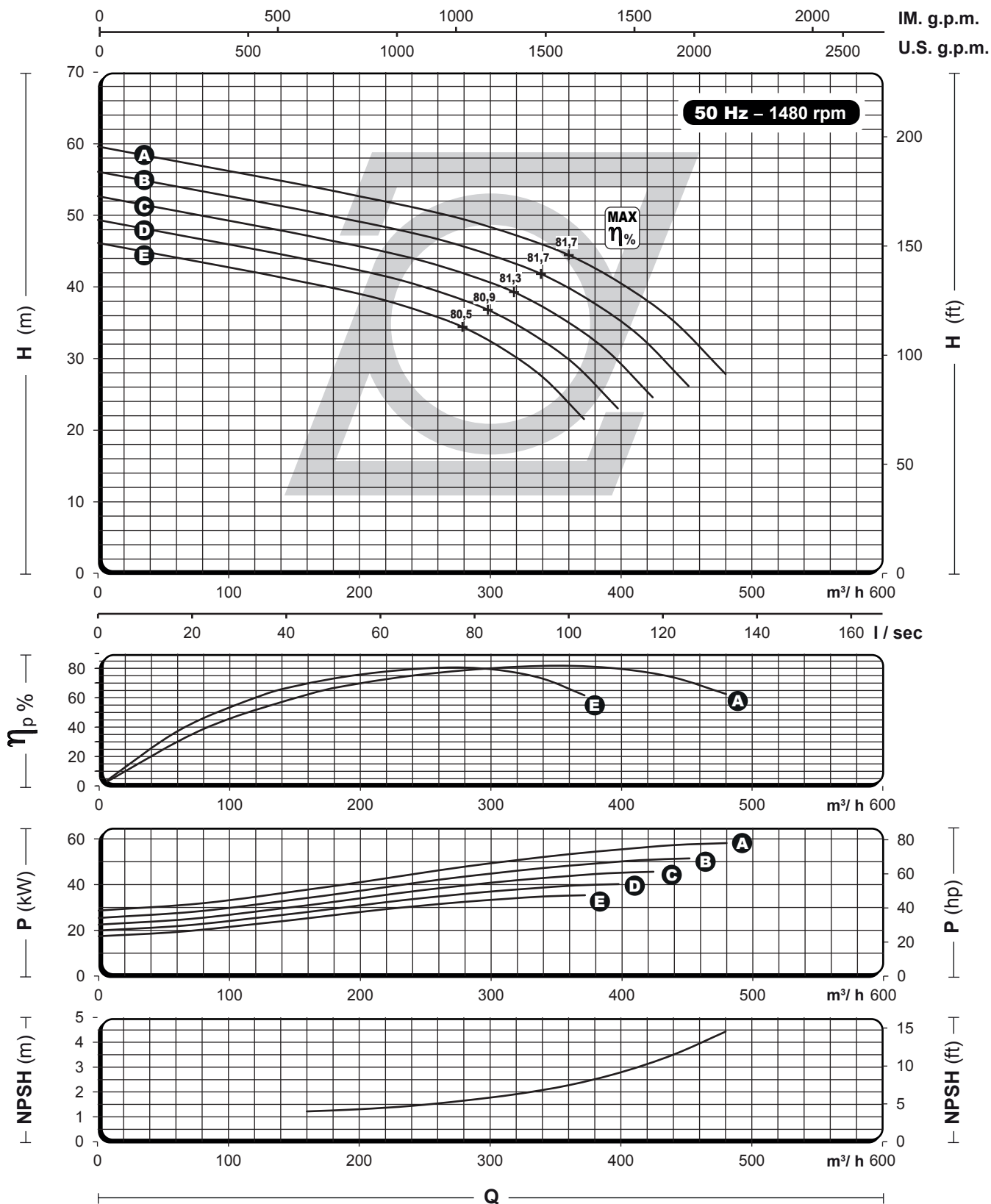
A = Ø 390 mm

B = Ø 378 mm

C = Ø 367 mm

D = Ø 355 mm

E = Ø 343 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

150.B - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

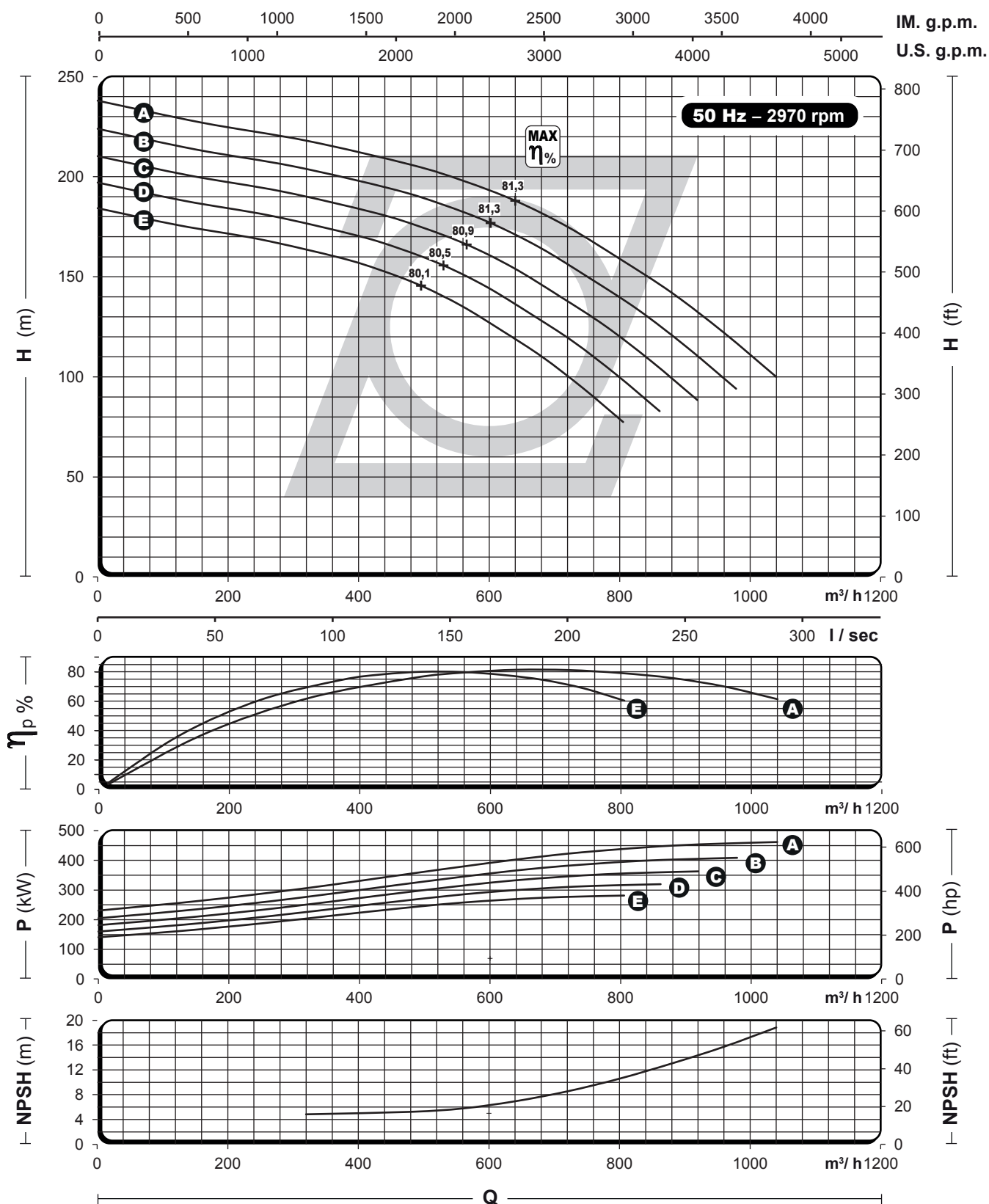
A = Ø 380 mm

B = Ø 369 mm

C = Ø 357 mm

D = Ø 346 mm

E = Ø 334 mm





Pump Type			Q												
HM - HMM HMVM	HMR	HMY	m³/h	0	80	160	240	280	320	360	400	440	480	520	
			l/sec	0	22.2	44.4	66.7	77.8	88.9	100.0	111.1	122.2	133.3	144	
150.B/1	150.B/1	150.B/1	H P1 H P1 H P1 H P1 H P1 H P1 H P1 H P1 H P1 H P1 H P1	H	59.1	56.4	54.1	51.2	49.2	46.7	43.5	39.5	35.3	30.3	24.8
				P1	28.58	32.79	37.99	44.05	47.02	49.87	52.34	54.20	55.68	56.55	57.17
150.B/2	150.B/2	150.B/2		H	118.2	112.7	108.3	102.3	98.3	93.4	86.9	79.0	70.5	60.6	49.7
				P1	57.17	65.58	75.98	88.10	94.0	99.74	104.69	108.40	111.37	113.10	114.34
150.B/3	150.B/3	150.B/3		H	177.3	169.1	162.4	153.5	147.5	140.1	130.4	118.4	105.8	90.9	74.5
				P1	85.75	98.37	113.97	132.16	141.07	149.60	157.03	162.60	167.05	169.65	171.51
150.B/4	150.B/4	150.B/4		H	236.4	225.5	216.5	204.6	196.7	186.7	173.8	157.9	141.0	121.2	99.3
				P1	114.34	131.17	151.95	176.21	188.09	199.47	209.37	216.80	222.73	226.20	228.67
150.B/5	150.B/5	-		H	295.5	281.8	270.7	255.8	245.8	233.4	217.3	197.4	176.3	151.5	124.2
				P1	142.92	163.96	189.94	220.26	235.11	249.34	261.71	270.99	278.42	282.75	285.84
150.B/6	150.B/6	-		H	354.6	338.2	324.8	306.9	295.0	280.1	260.7	236.9	211.6	181.8	149.0
				P1	171.51	196.75	227.93	264.31	282.13	299.21	314.06	325.19	334.10	339.30	343.01
150.B/7	150.B/7	-		H	413.7	394.6	378.9	358.1	344.2	326.8	304.2	276.4	246.8	212.1	173.8
				P1	200.09	229.54	265.92	308.36	329.15	349.08	366.40	379.39	389.79	395.85	400.18
150.B/8	150.B/8	-		H	472.8	450.9	433.1	409.2	393.3	373.5	347.6	315.9	282.1	242.4	198.7
				P1	228.67	262.33	303.91	352.42	376.17	398.94	418.74	433.59	445.47	452.40	457.35
150.B/9	150.B/9	-		H	531.9	507.3	487.2	460.4	442.5	420.2	391.1	355.3	317.4	272.7	223.5
				P1	257.26	295.12	341.90	396.47	423.20	448.81	471.08	487.79	501.15	508.95	514.52
150.B/10	150.B/10	-		H	591.0	563.7	541.3	511.5	491.7	466.8	434.6	394.8	352.6	302.9	248.3
				P1	285.84	327.92	379.89	440.52	470.22	498.68	523.43	541.99	556.84	565.50	571.69
-	150.B/11	-	H	650.1	620.1	595.5	562.7	540.8	513.5	478.0	434.3	387.9	333.2	273.2	
			P1	314.43	360.71	417.88	484.57	517.24	548.55	575.77	596.19	612.52	622.05	628.85	



POMPE ZANNI®

PERFORMANCE
CURVES

150.B - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

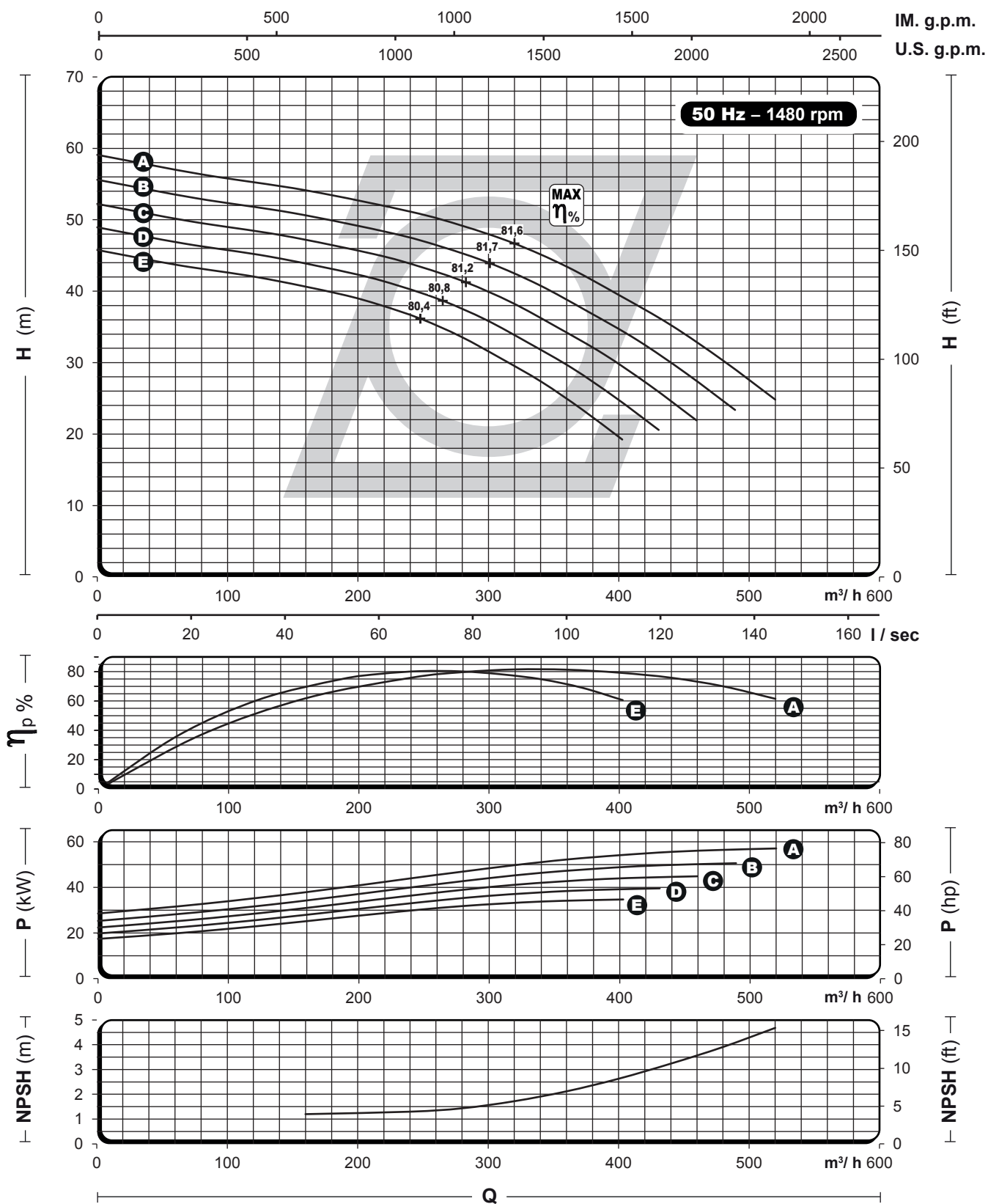
A = Ø 380 mm

B = Ø 374 mm

C = Ø 363 mm

D = Ø 351 mm

E = Ø 340 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

150.C - 2970 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

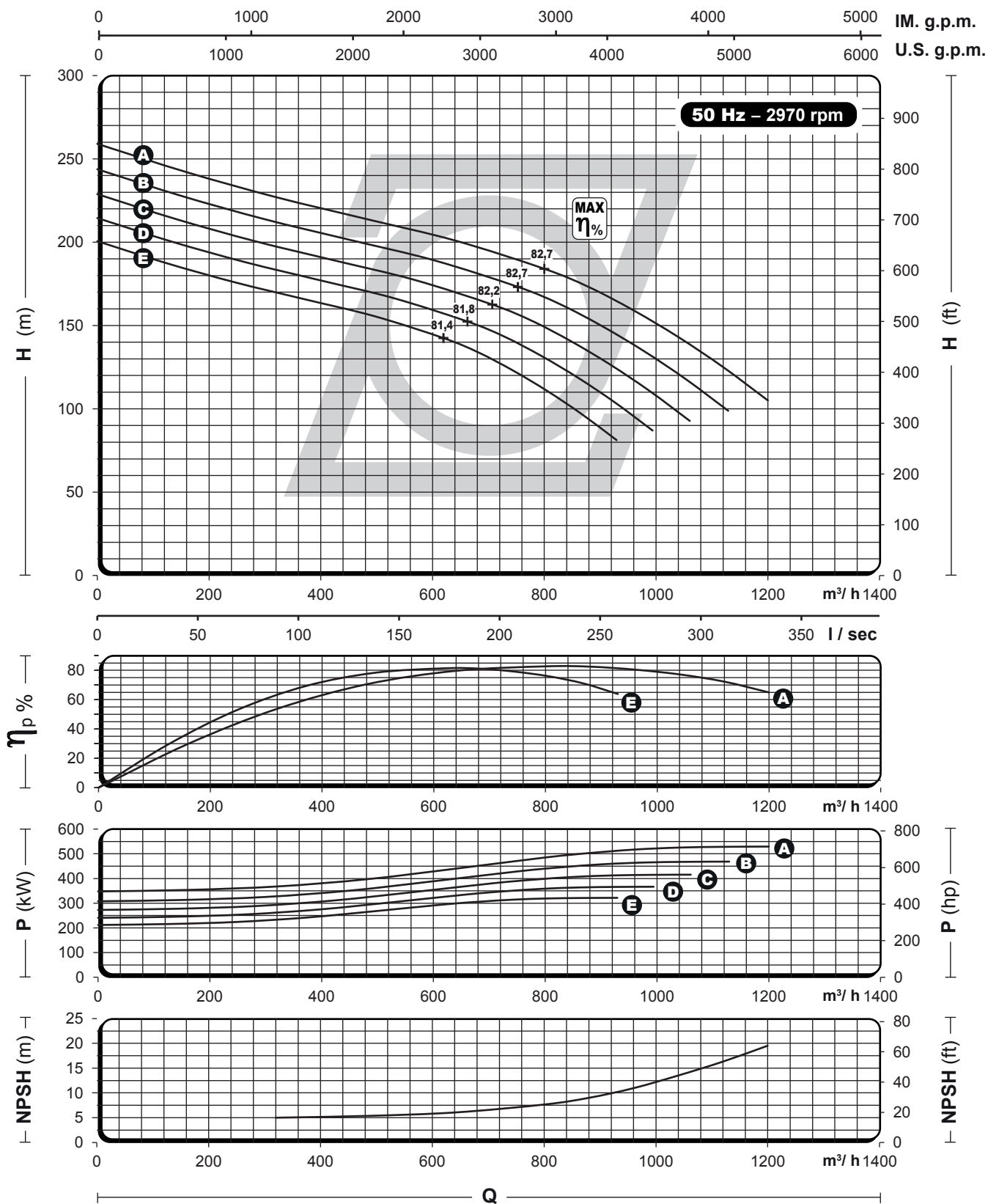
A = Ø 380 mm

B = Ø 369 mm

C = Ø 357 mm

D = Ø 346 mm

E = Ø 334 mm



[illegible]



POMPE ZANNI®

PERFORMANCE
CURVES

150.C - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

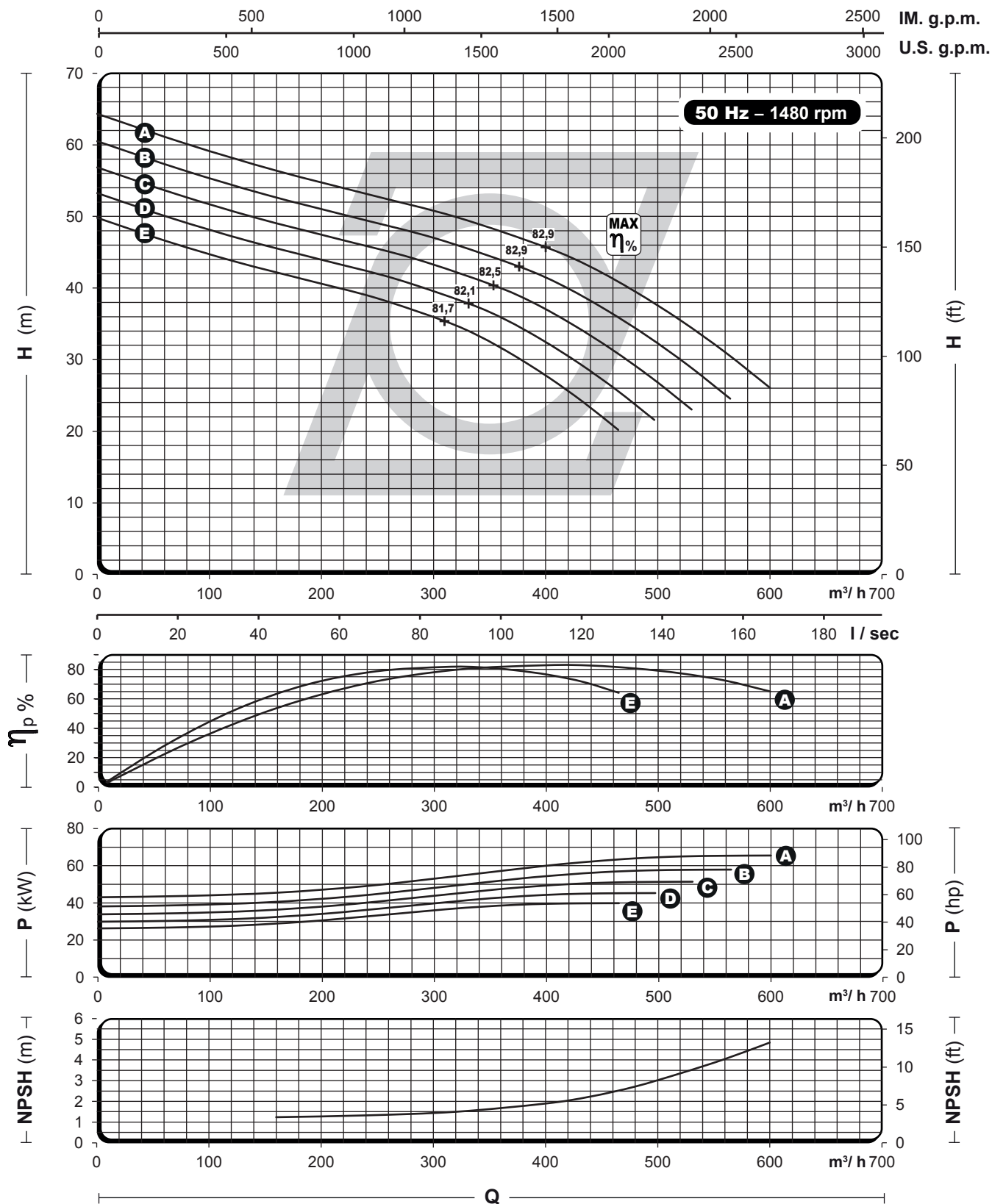
A = Ø 380 mm

B = Ø 369 mm

C = Ø 357 mm

D = Ø 346 mm

E = Ø 334 mm



[illegible]



POMPE ZANNI®

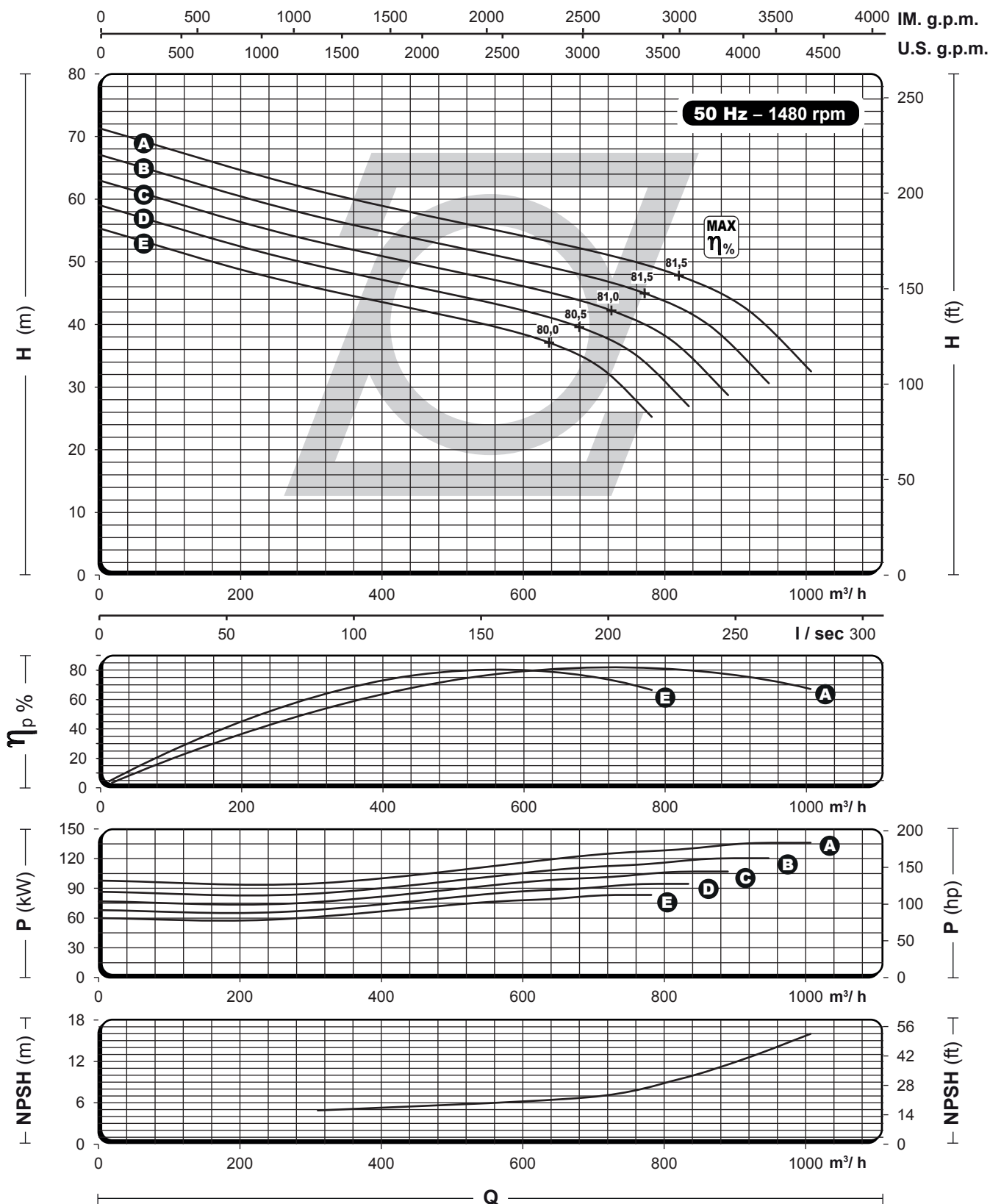
PERFORMANCE
CURVES

250.A - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 420 mm **C** = Ø 395 mm
B = Ø 407.4 mm **D** = Ø 382 mm
E = Ø 369.5 mm



[illegible]



POMPE ZANNI®

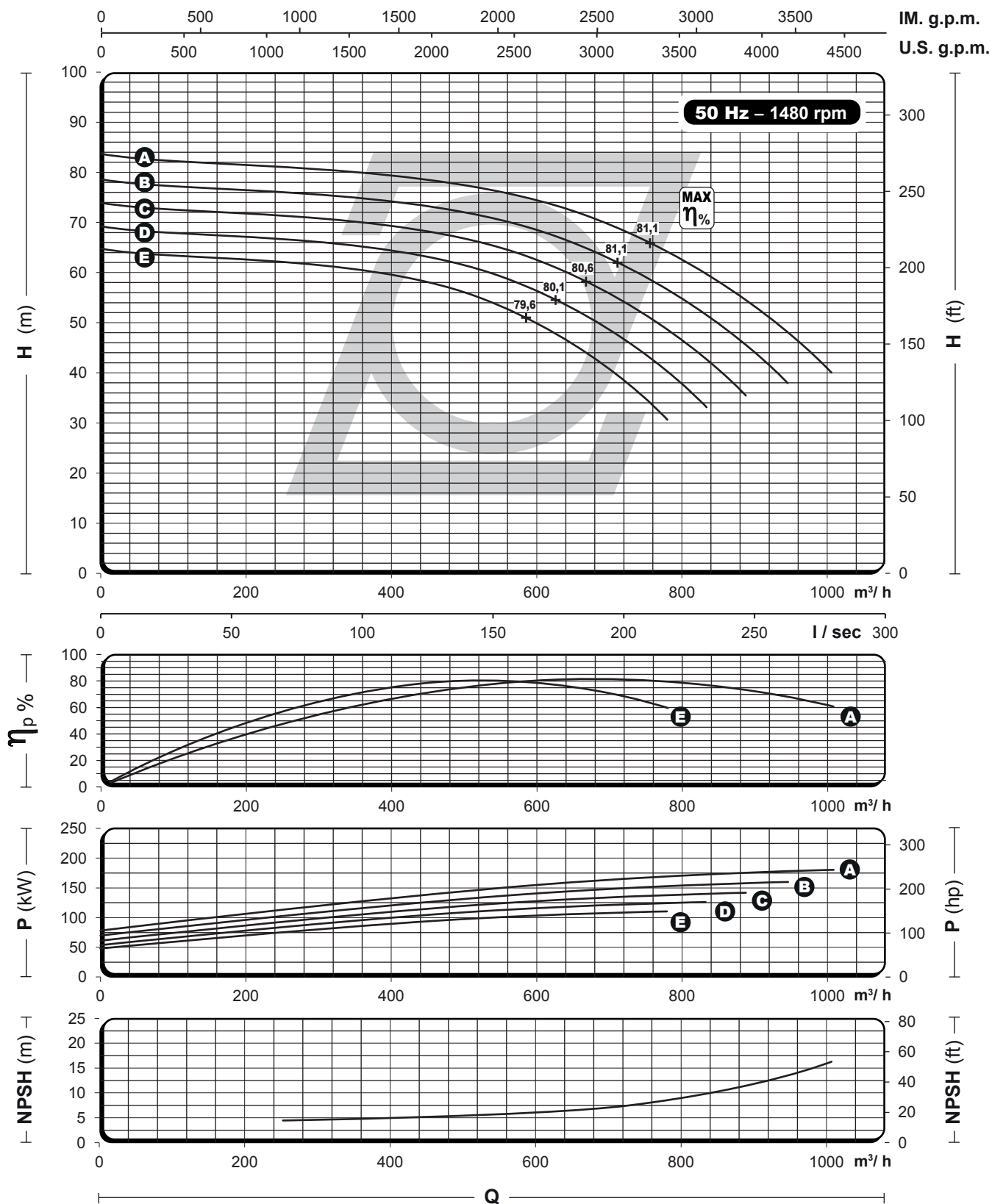
PERFORMANCE
CURVES

250.B - 1480 RPM

50 Hz - MULTISTAGE CENTRIFUGAL PUMPS

IMPELLER:

- A** = Ø 478 mm **C** = Ø 449.5 mm
B = Ø 463.5 mm **D** = Ø 435 mm
E = Ø 420.5 mm





SOCIETA' ITALIANA DI CERTIFICAZIONE INDUSTRIALE
Via Emilia Ospizio 17 - 42122 Reggio Emilia
ITALIA/ITALY

Certificato/Certificate
Prima Emissione/First Issue
Emissione Corrente/Current Issue
Scadenza/Expiry

N° 305/11
18/12/2008
16/12/2011
18/12/2014

Si Certifica che il Sistema di gestione per la Qualità di
We hereby certify that the quality management system operated by

POMPE ZANNI di Gualandri Egidio

42048 RUBIERA (RE) - VIA GUIDO RENI N° 5

Unità operativa / Operative unit

POMPE ZANNI di Gualandri Egidio

42048 RUBIERA (RE) - VIA GUIDO RENI N° 5

E' Conforme alla norma / *Is in Compliance with the*

UNI EN ISO 9001:2008

Per i seguenti tipi di prodotti - processi - servizi
Concerning the following kinds of product - process - services

Progettazione, fabbricazione, vendita ed assistenza di pompe centrifughe ad asse verticale, orizzontale ed elettropompe sommerse. Commercializzazione di relativi accessori.

Design, manufacture and service of centrifugal axis pumps, vertical horizontal and submersible pump. Trade of related accessories.

EA 18

Il Presidente SICI

Documento: 01H001 Revisione 9 Data: 15/03/2006

Il presente certificato è soggetto al rispetto del regolamento SICI, per la certificazione dei sistemi di gestione per la qualità aziendale.

Validità del presente certificato subordinata alla sorveglianza periodica ed al riesame completo del sistema di gestione per la qualità aziendale con periodicità triennale.

E' vietata la riproduzione, anche parziale, con qualsiasi mezzo, compresa la fotocopia, anche ad uso interno o didattico, non autorizzata. Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente

certificato, si prega di contattare il n° 0522/451519 o indirizzo e-mail sici@sici-cert.it.
The certified present is subject to the respect of regulation SICI, for the certification of the system of management for the business quality. Validity of the present certified is subordinated to the periodic surveillance and the complete re-examination of the system of management for the business quality with triennial regularity. Is prohibited the reproduction, also partial, with whichever means, comprised the photocopy, also for internal use only or didactic, non-authorized. For information punctual and modernized approximately eventual variations taken part in the state of the certification of which to the certified present, it is prayed to contact the N° 0522/451519 or address e-mail sici@sici-cert.it



SGQ N° 063 A

Membro di MLA EA per gli SGQ N° 063 A
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements



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UNI EN ISO 9001:2008
certificato n° 305/11

