



**Franklin Electric**

# SR 6"- 8" SERIES 60 Hz

STAINLESS STEEL SUBMERSIBLE PUMPS  
FOR 4" DEEP WELLS OR LARGER





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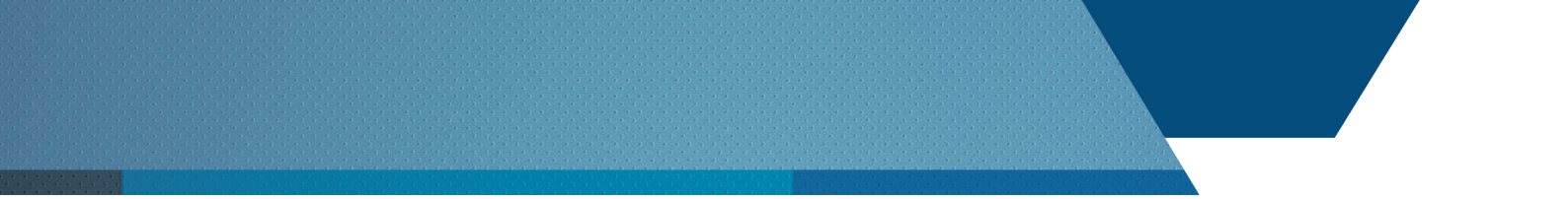
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\* IMPORTANT: 25 SR models only for sales out of EU or as a component of fire-fighting units

Franklin Electric S.r.l. reserves the right to amend specification without prior notice.

For the most up-to-date product information, visit [franklinwater.eu](http://franklinwater.eu).



# SR 6" Series

## 60 Hz

14 SR - 19 SR - 30 SR - 46 SR - 65 SR

# PRODUCT OVERVIEW

## APPLICATIONS

- Municipal water works
- Water Distribution and Pressure Boosting
- Irrigation, Sprinklers, Water treatment plants, Filtration and reverse osmosis
- Industrial cooling and processing
- Mining industry, Drainage and dewatering
- Fire-fighting equipment
- Fountains

## FEATURES

- Fabricated stainless steel impellers and diffusers for corrosion resistance
- Heavy-duty stainless-steel structure for improved stiffness and ensuring the permanent alignment of all components and thus increased run time and trouble-free operation
- Floating Neck ring in PPS (14-19-25\*) or in PTFE (30-46-65)
- Reinforced version with double welded rings for high pressure pumps
- Compact, reliable and suited to operate in horizontal position
- Built-in check valve to protect the pump against water hammer risk
- The hydraulic design is such to enhance the overall efficiency thus reducing energy consumption and making the pumping systems more cost effective

## PUMP SPECIFICATION

- Flow: up to 100 m<sup>3</sup>/h at 60 Hz
- Head: up to 744 m (73 Bar) at 60 Hz
- Water temperature range:
  - Minimum: -5 °C
  - Maximum: +90 °C (+60 °C for NBR parts)
- Maximum allowable amount of sand 100 g/m<sup>3</sup>
- Rotation: counterclockwise when looking into the discharge
- Pump can work continuously in vertical or horizontal position

## MOTOR SPECIFICATION

- Motor adapter in compliance with NEMA standard
- For more information consult the product catalog of Submersible motors

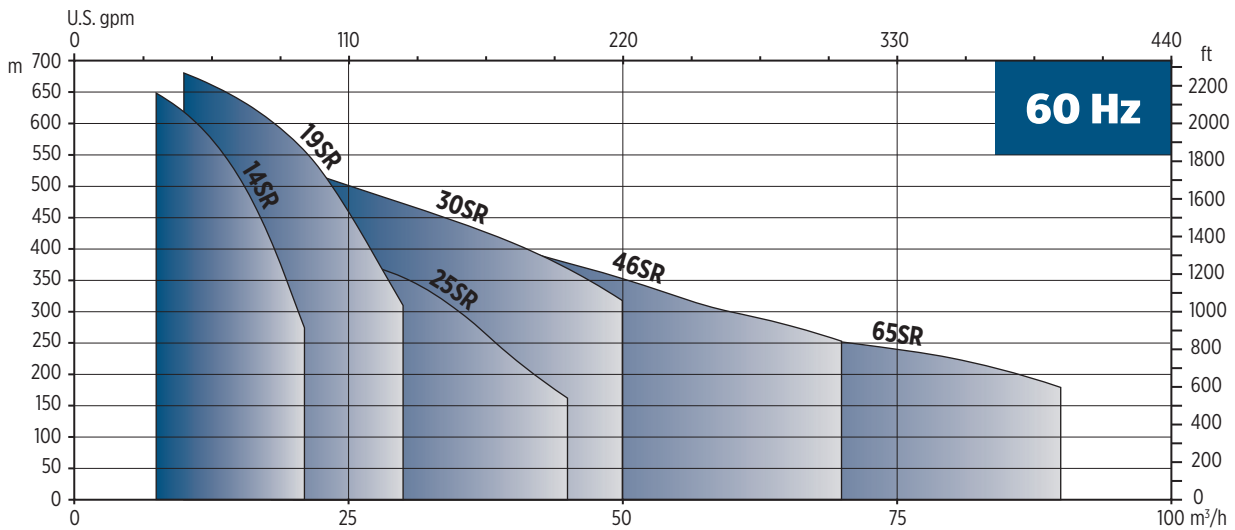
## AVAILABLE ON REQUEST

- Pump material:
  - 316 Stainless steel (N) version (DIN/EN 1.4401)
  - 904L (R) version (DIN/EN 1.4539)
  - See specified material variant in “Materials/Fluids compatibility” table on page 7
- Double cable guard (SD version)
- Discharge heads:
  - Rp 2” (with kit adapter 2”1/2-2” PN 14251008) and Rp 3” for 14 and 19 I and N versions
  - Rp 4” for 25\*-30-46-65 I and N versions
- Motor adapter:
  - 4” for I and N version
  - 8” for I and N version
- Pump with NBR rubber parts



# PRODUCT OVERVIEW

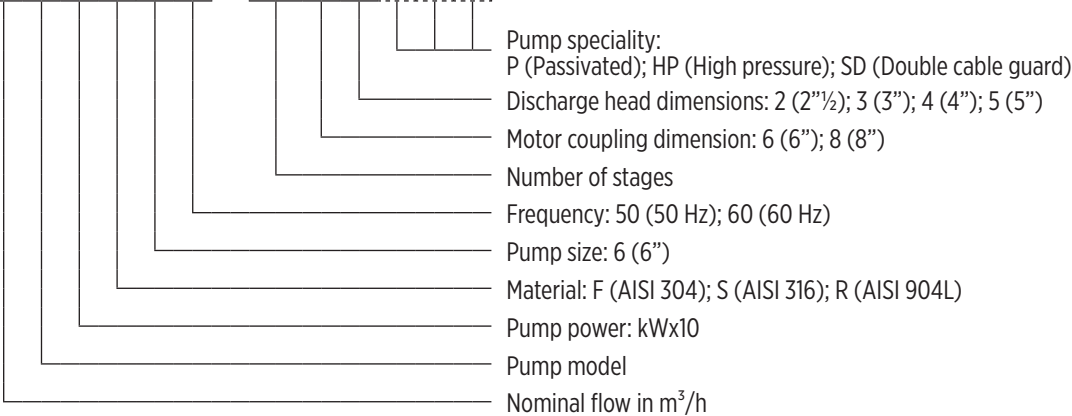
## FAMILY CURVES



00150138EN 11/2018

## PUMP IDENTIFICATION CODE

30 SR 15 F 6 5 - 22 6 3 P HP:SD



00150026 06/2021

## PUMPS AND MOTORS RANGE

Type	Versions			Motor power range [kW]	
	F EN 1.4301	S EN 1.4401	R EN 1.4539	I / N	R
14 SR	○	○	-	4 ÷ 30	-
19 SR	○	○	-	4 ÷ 37	-
25 SR *	○	○	-	4 ÷ 45	-
30 SR	○	○	●	3 ÷ 55	4 ÷ 37
46 SR	○	○	●	3.7 ÷ 55	4 ÷ 37
65 SR	○	○	●	3.7 ÷ 55	4 ÷ 37

○ = Version available    ● = Version available only with 6" motor coupling

\* IMPORTANT: 25 SR models only for sales out of EU or as a component of fire-fighting units

# PRODUCT OVERVIEW

## MATERIALS/FLUIDS COMPATIBILITY

Ref. No.	Parts description	Material	Standard					
			I Version		N Version		R Version	
			ASTM	DIN/EN	ASTM	DIN/EN	ASTM	DIN/EN
10.00	Discharge head	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	CD4MCuN (904L)	1.4517
10.01 10.04 10.05	Valve	Stainless steel	316	1.4401	316	1.4401	2205 / 904L	1.4462 / 1.4460
10.02	Sealing O-ring		EPDM					
10.03	Outer case locking nuts	Stainless steel	316	1.4401	316	1.4401	2205	1.4462
20.00	Outer case	Stainless steel	304	1.4301	316	1.4401	2205	1.4462
20.01	Suction strainer	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
20.02	Cable guard and screws	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
20.03	Initial spacer	Stainless steel	304	1.4301	316	1.4401	904L	1.4539
20.04	Flange	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	CD4MCuN (904L)	1.4517
	Screws		304	1.4301	316	1.4401	904L	1.4539
20.05	Motor adapter	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	CD4MCuN (904L)	1.4517
20.06	4" motor flange	Stainless steel	CF8M (316)	1.4408	CF8M (316)	1.4408	-	-
	4" coupling adapter		316	1.4401	316	1.4401		
20.07	8" motor adapter (30/46/65)	Stainless steel	CF8M (316)	1.4408	CF8M (316)	1.4408	-	-
	Bolts and washers (30/46/65)		316	1.4401	316	1.4401		
30.00	Pump shaft	Stainless steel	431	1.4057	316 / 329	1.4401 / 1.4460	329	1.4460
30.01	Coupling	Stainless steel	431 / 329	1.4057 / 1.4460	316 / 329	1.4401 / 1.4460	904L / 329	1.4462 / 1.4539 / 1.4460
30.02	Upper up-thrust washer	Stainless steel	316	1.4401	316	1.4401	329	1.4460
30.03	Lower up-thrust washer	Stainless steel	316	1.4401	316	1.4401	329	1.4460
30.04	Upper journal sleeve	Alluminum Oxide	Al2 O3 (99,7%)					
30.05	Screw and washer	Stainless steel	316	1.4401	316	1.4401	904L / 329	1.4539 / 1.4460
30.06	Up-thrust ring		PTFE + Grafite					
30.07 30.08	Lower / Upper spacer	Stainless steel	316	1.4401	316	1.4401	-	-
40.00	Diffuser	Stainless steel	304	1.4301	316	1.4401	904L	1.4539
40.01	Secondary bearing bush		EPDM					
40.02	Floating neck ring		PPS (14/19/25)					
			PTFE (30/46/65)					
40.03	Flange clamping neck ring (30/46/65)	Stainless steel	304	1.4301	316	1.4401	904L	1.4539
40.04	Bearing bush		EPDM					
40.05	Upper bearing guide (14/19/25*)	Stainless steel	CF8M (316)	1.4408	CF8M (316)	1.4408	-	-
	Last - Intermediate diffuser (30/46/65)		316	1.4401	316	1.4401	904L	1.4539
40.06	First diffuser (14/19/25*)	Stainless steel	316	1.4401	316	1.4401	-	-
40.07	Diffuser with upper up-thrust washer (14/19/25*)	Stainless steel	316	1.4401	316	1.4401	-	-
40.08	Last diffuser (14/19/25*)	Stainless steel	316	1.4401	316	1.4401	-	-
50.00	Impeller	Stainless steel	304	1.4301	316	1.4401	904L	1.4539
50.05	Wear ring (30/46/65)	Stainless steel	304	1.4301	316	1.4401	904L	1.4539
50.01	Impeller spacer (14/19/25*)	Stainless steel	316	1.4401	316	1.4401	329	1.4460
51.01	Split cone (30/46/65)	Stainless steel	316	1.4401	316	1.4401	329	1.4460
51.02	Split cone nut (30/46/65)	Stainless steel	316	1.4401	316	1.4401	329	1.4460
51.03	Intermediate cone nut (30/46/65)	Stainless steel	316	1.4401	316	1.4401	329	1.4460
		Alluminum Oxide	Al2 O3 (99,7%)					
51.04	Up-thrust split cone nut (30/46/65)	Stainless steel	316	1.4401	316	1.4401	329	1.4460
51.06	Intermediate impeller with screw (30/46/65)	Stainless steel	304	1.4301	316	1.4401	904L	1.4539

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# HYDRAULIC PERFORMANCE AT 60 Hz

## 14 SR

Pump model	Stages	RATED POWER		Q = DELIVERY								
				m <sup>3</sup> /h 0	6	8	10	12	14	16	18	21
		[kW]	[HP]	l/min 0	100	133.3	166.6	200	233.3	266.6	300	350
H = TOTAL METERS HEAD OF WATER COLUMN [m]												
14 SR	5	3.7	5	87.5	77.5	75.5	72.5	68.5	63.0	56.5	47.5	31.0
	6	5.5	7.5	107.0	96.0	93.5	90.0	85.5	79.0	71.0	60.5	41.0
	7	5.5	7.5	124.5	111.0	108.0	104.0	98.5	91.5	82.0	69.5	46.5
	8	5.5	7.5	142.0	126.0	122.5	118.0	111.5	103.0	92.0	78.0	52.0
	9	7.5	10	159.5	142.0	138.5	133.5	126.5	117.0	105.0	89.0	59.5
	10	7.5	10	177.0	157.0	153.0	147.0	139.0	129.0	115.0	97.5	65.0
	11	7.5	10	194.0	172.0	167.5	160.5	152.0	140.0	125.0	105.5	70.0
	12	9.3	12.5	213.0	190.0	185.5	178.5	169.0	157.0	140.5	119.5	80.0
	13	9.3	12.5	230.0	205.0	200.0	192.5	182.0	169.0	151.0	128.0	85.5
	14	11	15	249.0	221.5	216.0	208.0	197.0	182.5	163.5	139.0	93.0
	15	11	15	266.0	236.5	230.5	221.5	210.0	194.0	174.0	147.5	98.0
	16	11	15	283.0	251.5	245.0	235.5	222.5	206.0	184.0	156.0	103.5
	17	11	15	300.5	266.0	259.0	249.0	235.0	217.5	194.0	164.0	108.5
	18	15	20	320.0	285.0	277.5	267.0	253.0	234.5	210.0	178.5	119.5
	19	15	20	337.0	300.0	292.0	281.0	266.0	246.0	220.5	187.0	125.0
	20	15	20	354.0	315.0	306.5	295.0	279.0	258.0	230.5	195.5	130.0
	21	15	20	371.5	330.0	321.0	308.0	291.5	269.5	241.0	203.5	135.0
	22	15	20	388.5	344.5	335.0	322.0	304.0	281.0	251.0	212.0	140.0
	23	18.5	25	408.5	363.5	354.0	341.0	322.5	299.0	268.0	227.0	152.0
	24	18.5	25	425.5	378.5	368.5	354.5	335.5	311.0	278.0	236.0	157.0
	25	18.5	25	443.0	393.5	383.0	368.5	348.5	322.5	288.5	244.0	162.5
	26	18.5	25	460.0	408.0	397.5	382.0	361.0	334.0	298.5	252.5	168.0
	27	18.5	25	477.0	423.0	411.5	395.5	374.0	345.5	308.5	261.0	173.0
	28	18.5	25	494.0	438.0	426.0	409.0	386.5	357.0	318.5	269.0	178.0
	29	22	30	513.0	455.0	443.0	425.5	402.0	371.5	332.0	281.0	186.0
	30	22	30	530.0	470.0	457.0	439.0	414.5	383.0	342.0	289.0	191.0
	31	22	30	547.0	484.5	471.0	452.0	427.0	394.0	352.0	297.0	196.0
	32	22	30	564.0	499.0	485.0	465.5	439.5	405.5	361.5	305.0	201.0
	33 HP	30	40	588.0	525.5	512.5	494.0	468.5	435.0	390.0	332.5	224.0
	34 HP	30	40	605.5	540.5	527.5	508.0	421.5	447.0	401.0	341.5	229.5
	35 HP	30	40	623.0	556.0	542.0	522.0	495.0	459.0	411.5	350.0	235.5
	36 HP	30	40	640.5	541.0	559.0	536.0	508.0	471.0	422.0	359.0	241.0
37 HP	30	40	657.5	586.0	517.5	550.0	521.0	483.0	411.0	368.0	246.5	
38 HP	30	40	675.0	601.5	586.0	564.0	534.0	495.0	449.5	376.5	252.0	
39 HP	30	40	692.0	616.5	600.5	578.0	547.0	507.0	454.0	385.0	257.5	
40 HP	30	40	709.5	637.5	615.0	592.0	560.0	518.5	464.0	393.5	262.7	
41 HP	30	40	727.0	646.5	629.5	605.5	573.0	530.0	474.5	402.0	268.0	
42 HP	30	40	744.0	661.5	644.0	619.0	585.5	542.0	484.5	410.5	273.5	

# HYDRAULIC PERFORMANCE AT 60 Hz

19 SR

Pump model	Stages	RATED POWER		Q = DELIVERY								
				m <sup>3</sup> /h 0	12	15	18	21	24	27	30	32
		[kW]	[HP]	l/min 0	200	250	300	350	400	450	500	533.3
				H = TOTAL METERS HEAD OF WATER COLUMN [m]								
19 SR	3	4	5.5	54.0	48.0	45.5	43.0	39.0	34.0	28.0	22.0	17.5
	4	5.5	7.5	74.0	66.0	63.5	60.0	55.5	49.0	40.5	32.5	26.0
	5	5.5	7.5	92.0	82.0	78.5	73.5	68.0	59.5	49.5	39.0	31.5
	6	7.5	10	110.0	98.5	94.0	88.5	81.5	71.5	59.5	47.5	38.0
	7	7.5	10	128.0	113.5	108.5	102.0	94.0	82.0	68.0	54.0	43.0
	8	9.3	12.5	147.0	131.5	126.0	118.5	109.5	96.0	80.0	63.5	51.0
	9	9.3	12.5	165.0	147.0	140.5	132.5	122.0	107.0	88.5	70.0	56.0
	10	11	15	177.0	159.5	153.0	145.0	134.0	117.0	96.5	74.5	58.0
	11	11	15	194.0	174.5	167.5	158.0	146.0	127.5	105.0	81.0	62.0
	12	15	20	212.5	190.0	185.0	175.0	161.5	141.0	117.0	90.5	70.5
	13	15	20	230.0	207.0	199.0	188.0	174.0	152.0	125.0	97.0	75.0
	14	15	20	247.0	222.0	213.0	201.0	186.0	162.5	133.5	103.0	79.0
	15	15	20	261.0	237.0	227.0	214.0	197.5	172.0	141.5	109.0	83.5
	16	18.5	25	283.0	255.0	245.0	232.0	214.0	187.5	154.5	119.5	92.5
	17	18.5	25	300.0	270.0	259.5	245.0	226.5	198.0	162.5	125.5	97.0
	18	18.5	25	317.5	285.0	273.5	258.0	238.0	208.0	171.0	132.0	101.0
	19	22	30	335.5	301.5	298.5	273.5	252.5	220.5	181.0	140.0	108.0
	20	22	30	352.5	316.5	303.5	286.5	264.0	230.5	189.0	146.0	112.0
	21	22	30	369.5	331.0	317.0	299.0	276.0	240.5	197.0	152.0	116.0
	22	22	30	356.5	345.5	331.0	312.0	289.0	250.0	205.0	157.5	119.5
	23	30	40	408.5	370.0	356.0	337.0	312.0	274.0	226.5	176.0	137.5
	24	30	40	426.0	385.5	370.5	351.0	325.0	285.0	236.0	182.5	142.5
	25	30	40	443.0	400.5	385.0	364.0	337.0	295.5	243.5	189.0	147.0
	26	30	40	460.5	415.5	399.5	378.0	349.5	306.0	252.0	195.5	152.0
	27	30	40	477.5	430.5	414.0	391.0	361.5	316.5	260.5	201.5	156.5
	28	30	40	495.0	445.5	428.0	404.5	373.5	327.0	269.0	208.0	161.0
	29	30	40	512.0	460.5	442.0	417.5	385.5	337.0	277.0	214.0	165.0
	30	30	40	529.0	475.5	456.0	430.5	397.5	347.0	285.0	220.0	169.0
	31 HP	37	50	548.0	494.0	474.5	448.0	414.0	362.5	298.0	231.0	178.5
	32 HP	37	50	565.5	508.5	488.5	461.5	426.5	373.0	306.5	237.0	183.0
	33 HP	37	50	582.0	523.5	502.5	474.5	438.0	383.0	314.5	243.0	187.0
	34 HP	37	50	599.0	538.5	516.5	488.0	450.0	393.0	322.5	249.0	191.5
35 HP	37	50	616.5	553.0	530.5	500.5	462.0	403.0	330.5	255.0	195.0	
36 HP	37	50	633.5	568.0	544.5	513.5	473.5	413.0	338.5	261.0	199.0	
37 HP	45	60	655.0	591.0	568.5	537.5	497.0	435.5	358.5	278.0	216.0	
38 HP	45	60	672.0	606.5	528.5	551.0	509.0	446.0	367.0	284.0	220.5	
39 HP	45	60	689.0	621.5	597.0	564.0	521.5	456.0	375.0	290.5	225.0	
40 HP	45	60	706.5	636.0	611.0	577.5	533.5	466.5	383.5	296.5	229.0	
41 HP	45	60	723.5	651.0	625.0	590.5	545.5	476.5	392.0	303.0	233.5	
42 HP	45	60	741.0	666.0	639.0	603.5	557.0	487.0	400.0	309.0	237.5	

# HYDRAULIC PERFORMANCE AT 60 Hz

25 SR\*

\* IMPORTANT: Models only for sales out of mode or as a component of fire-fighting units

Pump model	Stages	RATED POWER		Q = DELIVERY									
				m <sup>3</sup> /h 0	16	20	24	28	32	36	40	45	50
		[kW]	[HP]	l/min 0	266.6	333.3	400	466.6	533.3	600	666.6	750	833.3
				H = TOTAL METERS HEAD OF WATER COLUMN [m]									
25 * SR	3	5.5	7.5	55.5	49.5	48	47	45.5	42.5	38	32.5	26.5	20.5
	4	7.5	10	73.5	65.5	64	62.5	60	56.5	50.5	43	35	27
	5	9.3	12.5	92	82.5	80.5	78.5	76	71.5	64	54.5	44.5	34
	6	11	15	110.5	99	96.5	94	90.5	85	76.5	65	53	40.5
	7	11	15	128.5	114	111.5	108.5	104.5	98	87.5	74	60.5	46
	8	15	20	147	131.5	128	145	120.5	113	101	86	70	53.5
	9	15	20	165	147	143	139.5	134	126	112	95.5	77.5	59
	10	18.5	25	184	164	160	156	150.5	141.5	126.5	107.5	87.5	67
	11	18.5	25	202	180	175	170.5	164	154	137.5	117	95	72.5
	12	22	30	220	196	191	186	179	168	150	127.5	104	79
	13	22	30	238	211.5	206	200.5	193	180.5	161	136.5	111	84.5
	14	22	30	255.5	226.5	220.5	214.5	206	193	171	145.5	118	89.5
	15	30	40	277	248	241.5	236	227.5	214.5	192.5	163.5	133	102.5
	16	30	40	295	263.5	257	251	242	227.5	204	173	141	108
	17	30	40	312.5	279	272	265.5	255.5	240.5	215	183	148.5	114
	18	30	40	330.5	295	287	280	269.5	253	226	192	156	119
	19	30	40	348.5	310	302	294.5	283	265.5	237	201	163.5	124.5
	20	37	50	367	327.5	319	311.5	299.5	281.5	251.5	214	174	133
	21	37	50	385	343	334	326	313.5	294	262.5	223	181	138
	22	37	50	403	358.5	349	340	327	306.5	273	232	188.5	143.5
23	37	50	420.5	313.5	363.5	354	340.5	319	284	241	196	148.5	
24 HP	45	60	441.5	394.5	384	375	361	339.5	303.5	258	210	161	
25 HP	45	60	459	410	399	389.5	375	352	315	267.5	217.5	166	
26 HP	45	60	477	425	414	404	388.5	365	326	277	225	171.5	
27 HP	45	60	495	440.5	429	418	402	377.5	336.5	286	232.5	177	
28 HP	45	60	512.5	456	444	432.5	416	390	347	295	239.5	182	

# HYDRAULIC PERFORMANCE AT 60 Hz

## 30 SR

Pump model	Stages	Vers. R	RATED POWER		Q = DELIVERY								
					m <sup>3</sup> /h 0	20	25	30	35	40	45	50	55
			[kW]	[HP]	l/min 0	333.3	416.6	500	583.3	666.6	750	833.3	916.6
H = TOTAL METERS HEAD OF WATER COLUMN [m]													
30 SR	3	●	5.5	7.5	67.0	55.0	51.5	48.5	45.0	41.0	36.0	30.0	22.5
	4	●	7.5	10	89.0	73.0	68.5	64.0	59.5	54.5	48.0	40.0	29.5
	5	●	9.3	12.5	111.0	92.0	87.0	72.0	76.0	70.0	62.0	52.0	39.5
	6	●	11	15	133.0	110.0	104.0	98.0	91.0	84.0	74.0	62.0	47.0
	7	●	15	20	156.0	129.5	122.5	115.5	107.5	99.0	88.0	74.5	57.5
	8	●	15	20	177.0	146.5	138.5	130.5	121.0	111.5	99.0	83.5	64.0
	9	●	18.5	25	201.5	167.5	178.0	149.0	138.0	128.0	114.0	97.0	76.0
	10	●	18.5	25	222.5	185.0	174.5	164.0	152.0	141.0	125.0	106.0	82.5
	11	●	22	30	245.0	203.5	192.0	180.0	167.0	154.5	137.5	116.5	90.5
	12	●	22	30	265.5	220.5	207.5	195.0	180.5	167.0	148.0	125.5	97.0
	13	●	30	40	293.5	244.5	230.5	217.0	202.0	187.5	167.5	143.0	113.0
	14	●	30	40	315.0	262.0	247.0	233.0	216.0	200.5	179.0	153.0	120.0
	15	●	30	40	336.0	280.0	263.5	248.0	230.0	213.5	190.0	162.0	127.0
	16	●	30	40	357.0	297.0	280.0	263.5	244.0	226.0	201.0	171.0	133.5
	17	●	37	50	381.0	317.0	298.5	281.0	261.0	242.0	215.5	183.5	143.5
	18	●	37	50	402.0	334.0	315.0	296.0	274.5	254.5	226.5	193.0	150.5
	19	●	37	50	423.0	351.5	331.0	311.5	288.5	267.0	237.5	201.5	157.0
	20	●	37	50	443.5	369.0	347.0	326.0	312.0	279.5	248.0	210.5	163.0
	21	○	45	60	471.0	392.0	369.5	348.0	322.5	299.0	266.5	227.5	178.0
	22	○	45	60	492.0	409.5	386.0	363.0	336.5	312.0	278.0	236.5	185.0
23	○	45	60	513.0	427.0	402.0	378.0	350.5	325.0	289.0	246.0	191.5	
24	○	45	60	534.0	444.0	418.0	393.0	364.0	337.5	299.5	254.5	198.0	
25 HP	○	55	75	571.0	476.0	449.5	424.5	395.0	368.0	330.0	284.0	226.5	
26 HP	○	55	75	593.0	494.5	467.0	441.0	410.0	381.5	342.0	294.5	234.5	
27 HP	○	55	75	615.0	513.0	484.0	457.0	425.0	395.5	354.5	305.0	242.5	
28 HP	○	55	75	637.0	531.0	501.5	473.0	440.0	409.5	367.0	315.0	250.5	

● = Pump available in R version (AISI 904L)

# HYDRAULIC PERFORMANCE AT 60 Hz

## 46 SR

Pump model	Stages	Vers. R	RATED POWER		Q = DELIVERY										
					m <sup>3</sup> /h 0	30	35	40	45	50	55	60	70	75	
			[kW]	[HP]	l/min 0	500	583.5	666.6	750	833.3	916.6	1000	1166.6	1250	
H = TOTAL METERS HEAD OF WATER COLUMN [m]															
46 SR	2	•	5.5	7.5	39.5	34.0	32.0	30.0	28.5	27.0	25.0	23.0	18.5	16.0	
	3	•	7.5	10	58.5	50.5	47.5	44.5	42.0	39.5	37.0	34.0	27.0	23.5	
	4	•	9.3	12.5	78.0	67.5	63.5	59.5	56.5	53.0	49.5	45.5	36.5	31.5	
	5	•	11	15	97.0	84.0	79.0	74.0	70.0	65.5	61.0	56.5	45.0	38.5	
	6	•	15	20	118.0	102.5	67.0	61.0	86.0	79.5	73.0	67.5	56.5	48.5	
	7	•	15	20	136.0	118.0	111.5	104.5	98.5	91.5	84.0	77.5	64.5	55.0	
	8	•	18.5	25	156.5	136.0	128.5	120.5	113.5	105.5	97.0	89.5	75.0	64.0	
	9	•	18.5	25	175.0	151.5	143.0	134.0	126.5	117.0	108.0	99.5	83.0	70.0	
	10	•	22	30	194.0	168.0	158.5	149.0	140.0	130.0	119.5	110.0	91.5	77.5	
	11	•	22	30	211.5	183.0	172.5	162.0	152.5	141.0	129.5	120.0	99.0	83.5	
	12	•	30	40	236.5	206.0	195.0	182.5	170.0	160.0	147.0	136.0	114.0	97.5	
	13	•	30	40	255.0	222.0	209.5	196.5	185.0	172.0	158.0	146.0	122.0	104.0	
	14	•	30	40	273.0	237.0	224.0	210.0	198.0	184.0	169.0	156.0	130.0	111.0	
	15	•	37	50	293.5	255.0	241.5	226.0	213.0	198.0	182.0	168.0	140.5	120.0	
	16	•	37	50	312.0	281.0	256.0	240.0	226.0	209.5	193.0	178.0	148.5	126.5	
	17	•	37	50	330.0	286.0	270.0	253.5	238.5	221.0	203.5	188.0	156.0	132.5	
	18			37	50	348.0	301.0	284.5	266.5	251.0	232.5	214.0	197.5	164.0	138.5
	19			45	60	372.0	323.0	305.5	286.5	270.0	250.5	230.5	212.5	177.5	152.0
	20			45	60	390.0	339.0	320.0	300.0	283.0	262.0	241.0	222.5	185.5	158.0
	21			45	60	408.5	354.0	334.5	313.5	295.5	274.0	252.0	232.5	193.5	164.5
	22			45	60	426.5	369.0	349.0	327.0	308.0	285.0	262.5	242.0	201.5	170.5
	23 HP			55	75	459.5	402.5	381.0	357.5	337.0	314.0	289.0	266.5	224.5	195.0
24 HP			55	75	479.0	419.0	396.5	372.0	351.0	327.0	301.0	277.5	233.5	202.5	
25 HP			55	75	498.0	436.0	412.0	387.0	364.5	340.0	312.5	288.0	242.5	210.0	
26 HP			55	75	517.0	452.0	428.0	401.5	378.5	352.5	324.0	299.0	252.0	217.5	

• = Pump available in R version (AISI 904L)

# HYDRAULIC PERFORMANCE AT 60 Hz

65 SR

Pump model	Stages	Vers. R	RATED POWER		Q = DELIVERY												
					m <sup>3</sup> /h 0	40	45	50	55	60	65	70	75	80	85	90	100
			[kW]	[HP]	l/min 0	666.6	750	833.3	916.6	1000	1083.3	1166.6	1250	1333.3	1416.6	1500	1666.6
H = TOTAL METERS HEAD OF WATER COLUMN [m]																	
65 SR	2	●	5.5	7.5	39.5	32.5	30.0	28.0	26.0	25.0	24.0	23.0	22.5	21.0	19.0	16.5	11.0
	3	●	9.3	12.5	59.5	49.5	45.5	42.0	39.0	37.5	37.0	35.0	34.0	32.0	29.0	25.0	17.0
	4	●	11	15	79.0	65.0	60.0	55.5	51.5	49.5	48.5	46.0	45.0	41.5	38.0	32.5	21.5
	5	●	15	20	98.0	81.0	75.5	71.0	66.5	64.0	61.0	58.5	56.0	52.0	46.5	41.0	28.0
	6	●	15	20	116.0	95.5	89.0	83.5	78.5	75.0	72.0	69.0	66.0	61.0	54.5	48.0	31.5
	7	●	18.5	25	136.0	112.0	105.0	98.0	92.0	88.5	85.0	81.0	77.5	72.0	64.0	56.5	37.5
	8	●	22	30	155.0	128.0	119.0	111.5	105.0	100.5	96.5	92.0	88.0	81.5	73.0	64.0	42.5
	9	●	30	40	177.5	148.0	138.0	129.0	121.5	116.0	111.5	107.0	102.0	95.5	86.0	76.0	52.5
	10	●	30	40	196.5	163.0	152.0	142.0	133.5	128.0	123.0	117.5	112.5	105.0	94.0	83.0	56.5
	11	●	30	40	215.0	177.5	165.5	155.0	146.0	140.0	134.0	128.0	122.5	114.0	102.0	90.0	60.5
	12	●	37	50	235.0	194.0	181.0	169.5	159.5	153.0	147.0	140.0	134.0	124.5	112.0	98.5	66.5
	13	●	37	50	253.0	209.0	195.0	182.5	141.5	164.5	157.5	151.0	144.0	133.5	119.5	105.0	70.5
	14	●	37	50	271.5	223.0	208.0	195.0	183.0	176.0	168.5	161.0	153.5	142.0	127.0	112.0	74.0
	15		45	60	293.5	243.0	226.5	212.0	199.5	191.0	183.5	175.5	167.5	156.0	140.0	123.5	83.5
	16		45	60	312.0	257.5	240.0	225.0	211.5	203.0	194.5	186.0	177.5	165.0	148.0	130.0	87.5
	17		45	60	330.5	272.0	254.0	237.5	223.0	214.0	205.5	196.5	187.5	173.5	155.5	137.0	91.0
	18		45	60	348.5	286.5	267.0	250.0	235.0	225.5	216.0	206.5	197.0	182.0	163.0	143.0	94.0
	19 HP		55	75	978.0	916.0	295.0	276.0	260.0	248.5	239.0	228.5	219.0	205.5	185.0	164.0	116.0
	20 HP		55	75	397.0	332.0	310.0	290.0	273.0	261.0	251.0	240.0	230.0	215.5	194.0	142.0	121.0
	21 HP		55	75	416.0	347.5	324.0	303.5	285.5	273.0	263.0	251.0	240.5	225.5	203.0	179.0	126.0

● = Pump available in R version (AISI 904L)



# 14 SR - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

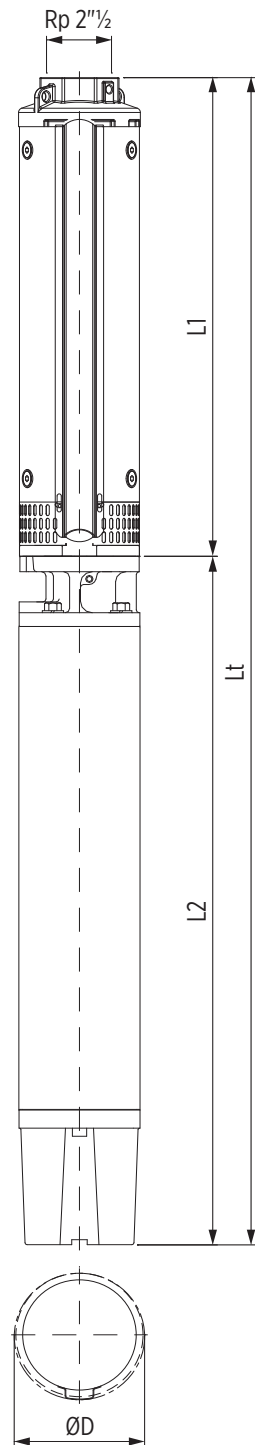
Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
14 SR	5	E4	3.7	5	413.5	520	933.5	142.5	-	30.5
	6		5.5	7.5	443.5	652.5	1096	142.5	-	39.5
	7		5.5	7.5	473.5	652.5	1126	142.5	-	39.5
	8		5.5	7.5	503.5	652.5	1156	142.5	-	40.5
	9		7.5	10	533.5	730.5	1264	142.5	-	45
	10		7.5	10	563.5	730.5	1294	142.5	-	45.5
	11		7.5	10	593.5	730.5	1324	142.5	-	46.5

\* Kit 14251005 necessary for 4" motors

14 SR	5	E6	4	5.5	411	581	992	143	144.5	49
	6		5.5	7.5	441	614.5	1055.5	143	144.5	53.5
	7		5.5	7.5	471	614.5	1085.5	143	144.5	54
	8		5.5	7.5	501	614.5	1115.5	143	144.5	55
	9		7.5	10	531	646	1177	143	144.5	59.5
	10		7.5	10	561	646	1207	143	144.5	60
	11		7.5	10	591	646	1237	143	144.5	61
	12		9.3	12.5	621	678.5	1299.5	143	144.5	64.5
	13		9.3	12.5	651	678.5	1329.5	143	144.5	65
	14		11	15	681	711	1392	143	144.5	69.5
	15		11	15	711	711	1422	143	144.5	70
	16		11	15	741	711	1452	143	144.5	71
	17		11	15	771	711	1482	143	144.5	71.5
	18		15	20	801	776	1577	143	144.5	78
19	15	20	831	776	1607	143	144.5	78.5		
20	15	20	861	776	1637	143	144.5	79.5		
21	15	20	891	776	1667	143	144.5	80		
22	15	20	921	776	1697	143	144.5	80.5		

## PUMPS WITH REWINDABLE MOTOR

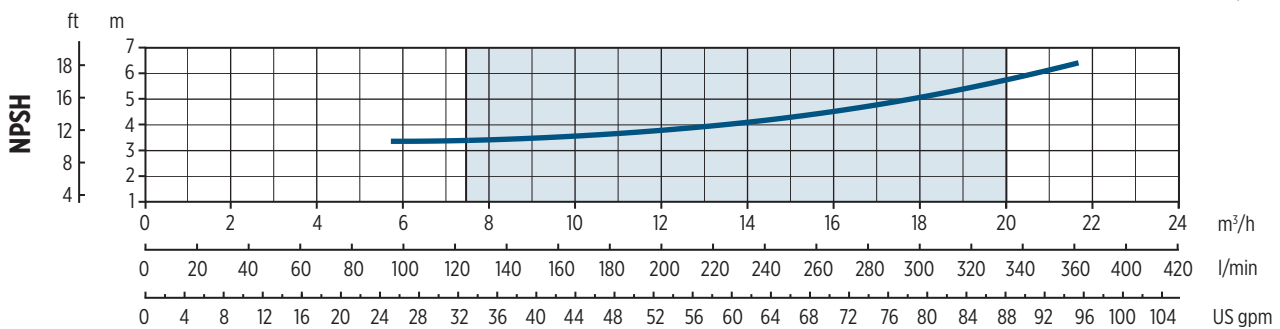
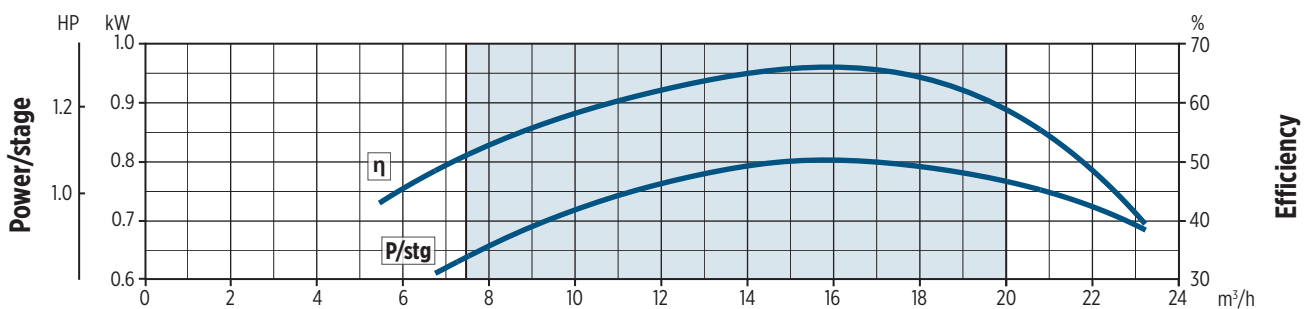
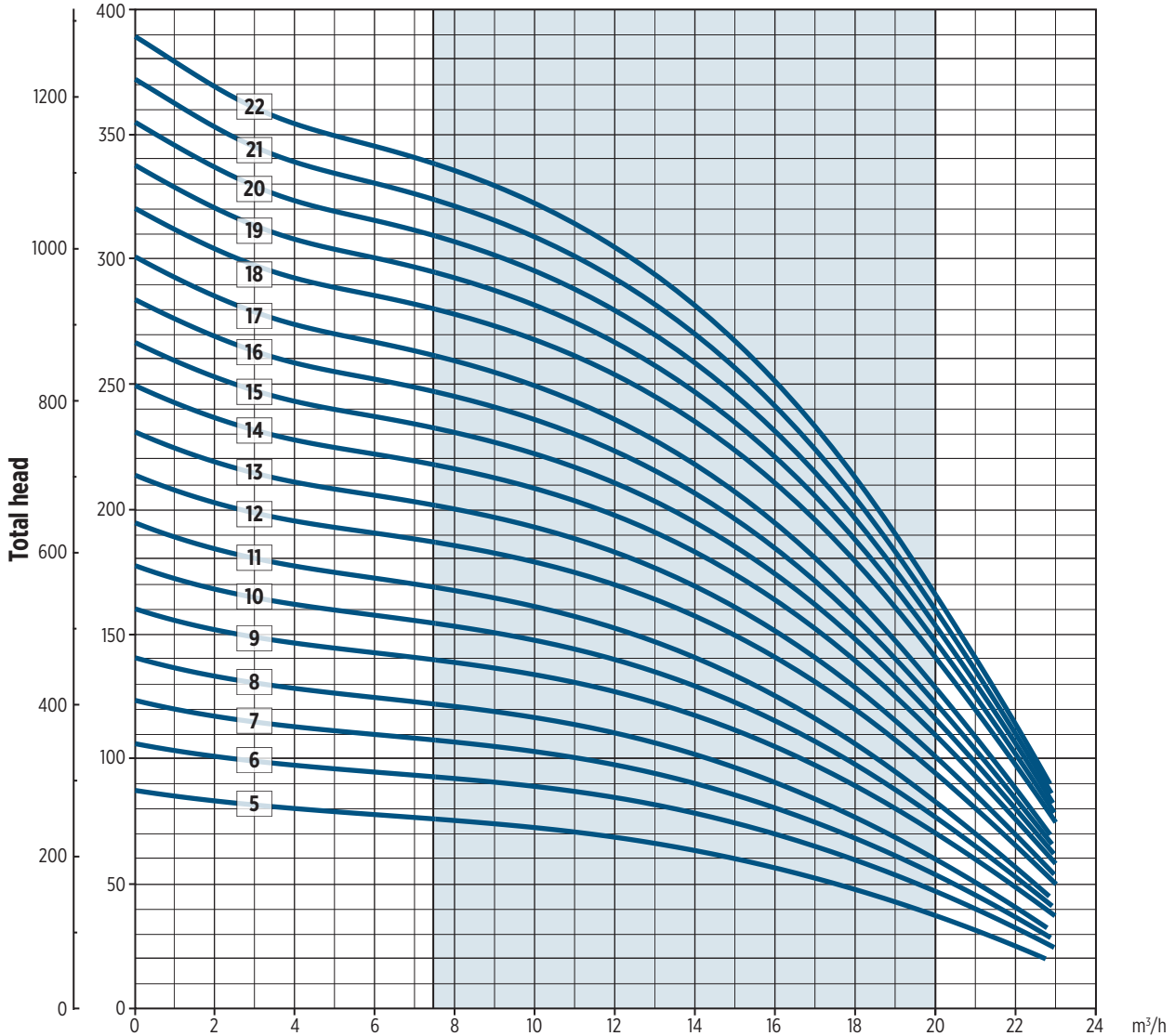
Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
14 SR	5	RW6	4	5.5	411	699	1110	147	147.5	59.5
	6		5.5	7.5	441	699	1140	147	147.5	60.5
	7		5.5	7.5	471	699	1170	147	147.5	61
	8		5.5	7.5	501	699	1200	147	147.5	62
	9		7.5	10	531	719	1250	147	147.5	64.5
	10		7.5	10	561	719	1280	147	147.5	65
	11		7.5	10	591	719	1310	147	147.5	66
	12		9.3	12.5	621	749	1370	147	147.5	70
	13		9.3	12.5	651	749	1400	147	147.5	70.5
	14		11	15	681	779	1460	147	147.5	74.5
	15		11	15	711	779	1490	147	147.5	75
	16		11	15	741	779	1520	147	147.5	76
	17		11	15	771	779	1550	147	147.5	76.5
	18		13	17.5	801	829	1630	147	147.5	82.5
	19		13	17.5	831	829	1660	147	147.5	83
	20		15	20	861	874	1735	147	147.5	89
	21		15	20	891	874	1765	147	147.5	89.5
	22		15	20	921	874	1795	147	147.5	90



01/30/2016 07/2017

# 14 SR - PERFORMANCE CURVES AT 60 Hz

ft m MEI ≥ 0,40



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

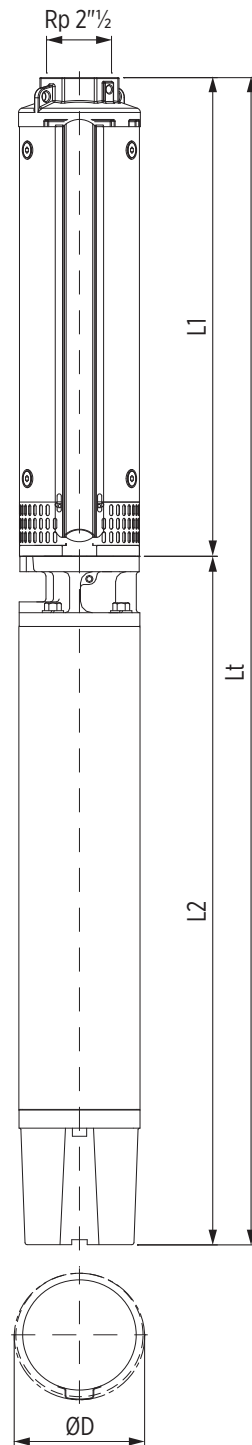
# 14 SR - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Pump model	Stages	Motor			Dimensions [mm]						Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D			
								1 cable	2 cables		
14 SR	23	E6	18.5	25	951	841.5	1792.5	143	144.5	88.5	
	24		18.5	25	981	841.5	1822.5	143	144.5	89	
	25		18.5	25	1011	841.5	1852.5	143	144.5	90	
	26		18.5	25	1041	841.5	1882.5	143	144.5	90.5	
	27		18.5	25	1071	841.5	1912.5	143	144.5	92.5	
	28		18.5	25	1101	841.5	1942.5	143	144.5	92.5	
	29		22	30	1131	906.5	2037.5	143	144.5	100	
	30		22	30	1161	906.5	2067.5	143	144.5	100.5	
	31		22	30	1191	906.5	2097.5	143	144.5	100.5	
	32		22	30	1220.5	906.5	2127	143	144.5	101	

## PUMPS WITH REWINDABLE MOTOR

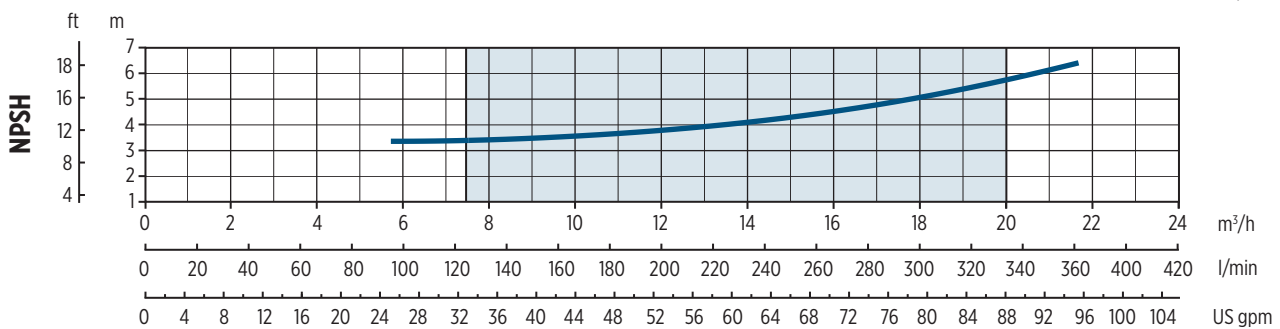
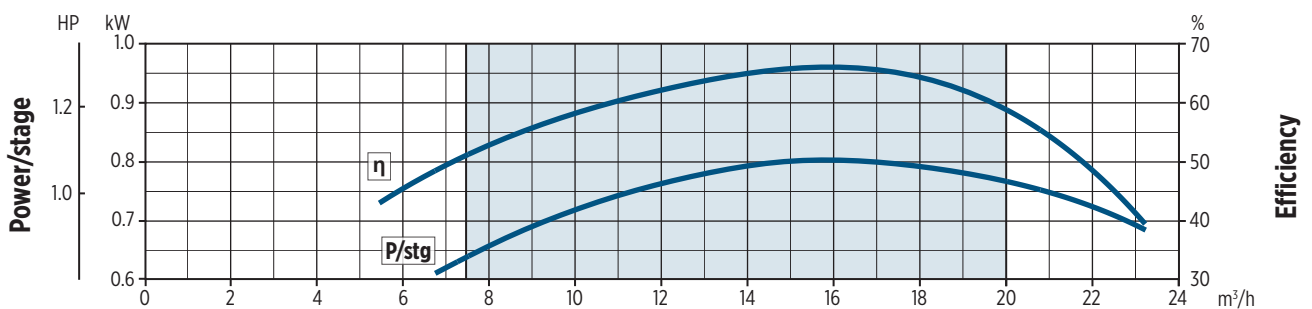
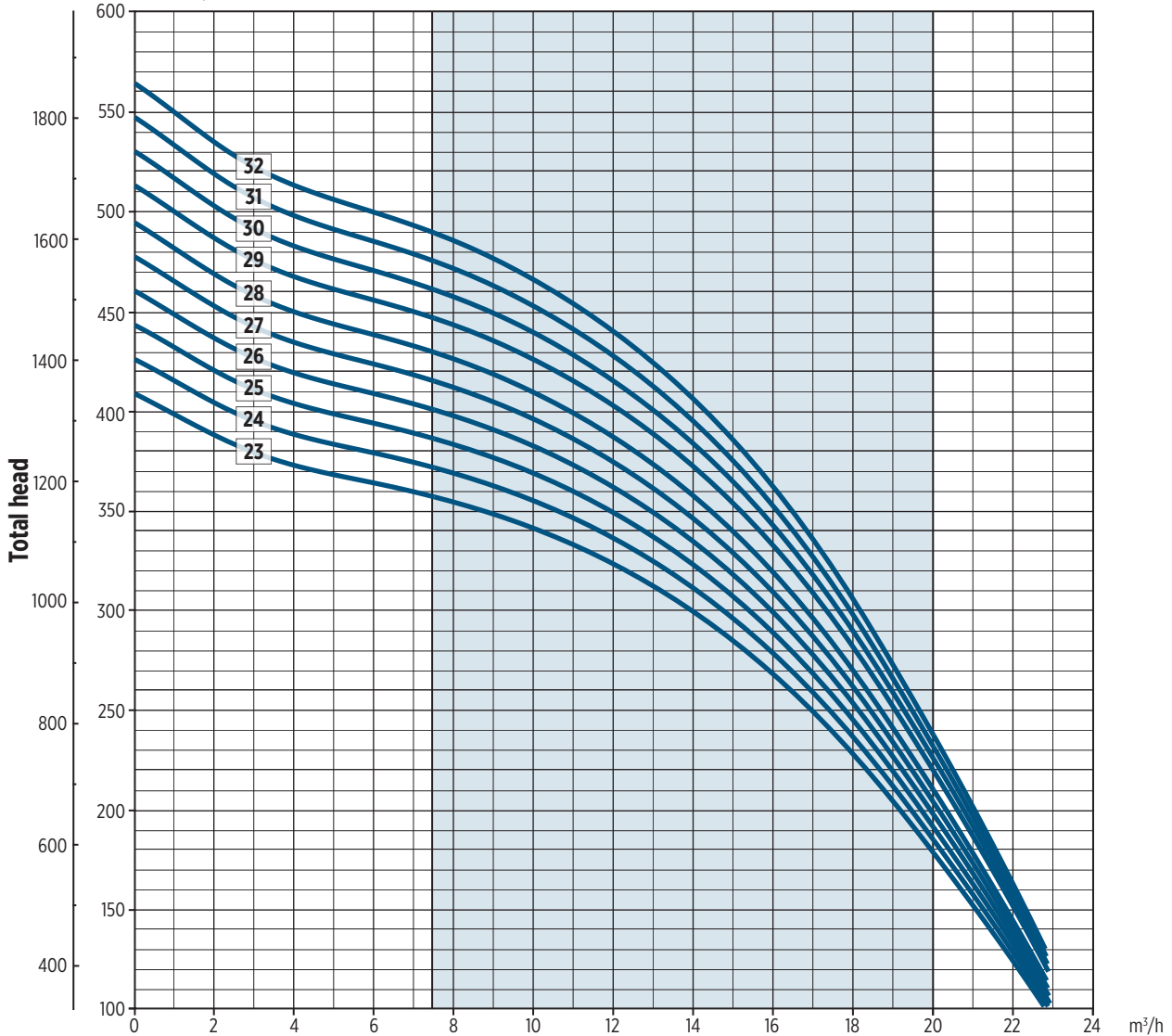
Pump model	Stages	Motor			Dimensions [mm]						Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D			
								1 cable	2 cables		
14 SR	23	RW6	18.5	25	951	919	1870	147	147.5	95	
	24		18.5	25	981	919	1900	147	147.5	95.5	
	25		18.5	25	1011	919	1930	147	147.5	96.5	
	26		18.5	25	1041	919	1960	147	147.5	97	
	27		18.5	25	1071	919	1990	147	147.5	99	
	28		18.5	25	1101	919	2020	147	147.5	99	
	29		22	30	1131	1009	2140	147	147.5	109.5	
	30		22	30	1161	1009	2170	147	147.5	110	
	31		22	30	1191	1009	2200	147	147.5	110	
	32		22	30	1220.5	1009	2229.5	147	147.5	110.5	



0135036 07/2017

# 14 SR - PERFORMANCE CURVES AT 60 Hz

ft m MEI ≥ 0,40



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

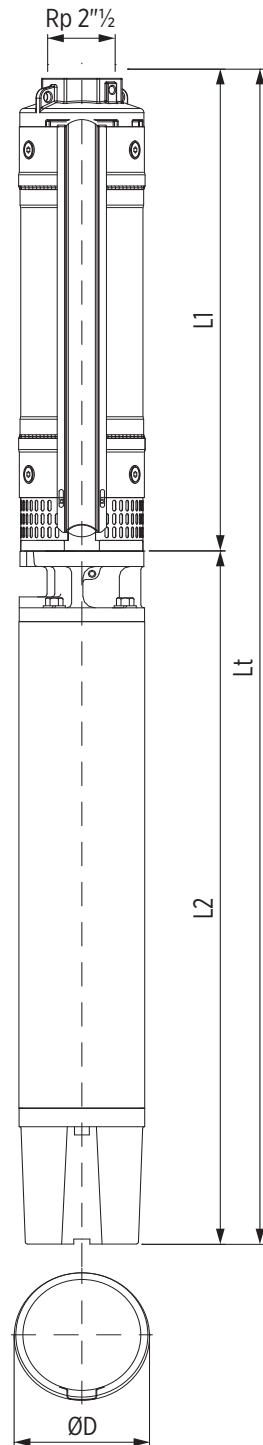
# 14 SR HIGH PRESSURE - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
14 SR HP	33 HP	E6	30	40	1250.5	1036.5	2287	145	146.5	116.5
	34 HP		30	40	1280.5	1036.5	2317	145	146.5	117.5
	35 HP		30	40	1310.5	1036.5	2347	145	146.5	118
	36 HP		30	40	1340.5	1036.5	2377	145	146.5	118.5
	37 HP		30	40	1370.5	1036.5	2407	145	146.5	119.5
	38 HP		30	40	1400.5	1036.5	2437	145	146.5	120
	39 HP		30	40	1430.5	1036.5	2467	145	146.5	121.5
	40 HP		30	40	1460.5	1036.5	2497	145	146.5	122.5
	41 HP		30	40	1490.5	1036.5	2527	145	146.5	123
	42 HP		30	40	1520.5	1036.5	2557	145	146.5	123

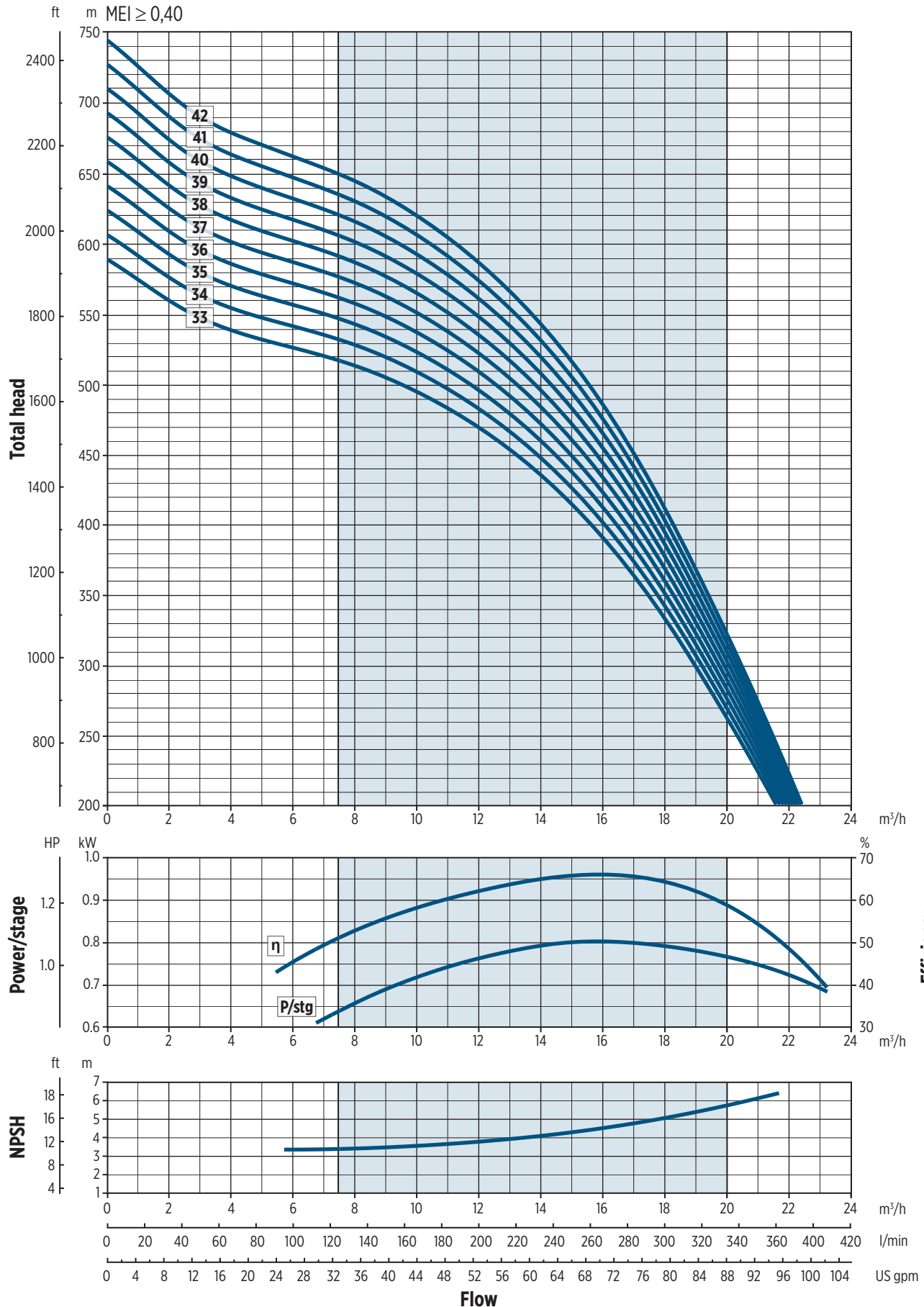
## PUMPS WITH REWINDABLE MOTOR

Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
14 SR HP	33 HP	RW6	26	35	1250.5	1114	2364.5	149	149.5	122.5
	34 HP		26	35	1280.5	1114	2394.5	149	149.5	123.5
	35 HP		26	35	1310.5	1114	2424.5	149	149.5	124
	36 HP		26	35	1340.5	1114	2454.5	149	149.5	124.5
	37 HP		26	35	1370.5	1114	2484.5	149	149.5	125.5
	38 HP		26	35	1400.5	1114	2514.5	149	149.5	126
	39 HP		26	35	1430.5	1114	2544.5	149	149.5	127.5
	40 HP		30	40	1460.5	1214	2674.5	149	149.5	138.5
	41 HP		30	40	1490.5	1214	2704.5	149	149.5	139
	42 HP		30	40	1520.5	1214	2734.5	149	149.5	139



0035037 07/2017

# 14 SR HIGH PRESSURE - PERFORMANCE CURVES AT 60 Hz



# 19 SR - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

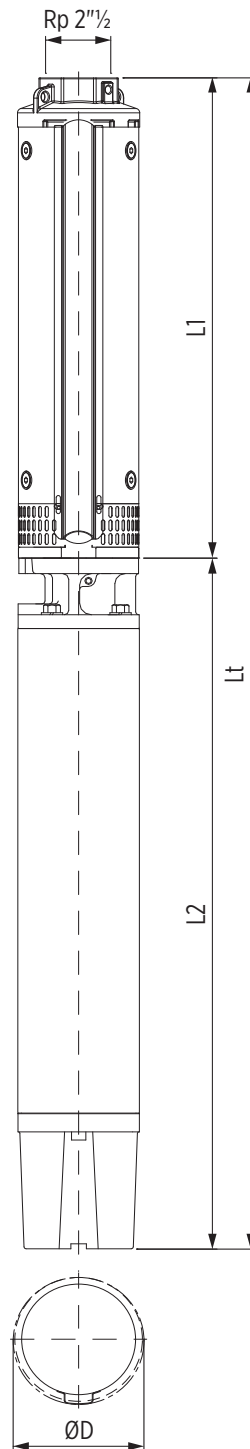
Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
19 SR	3	E4	3	4	385	477	862	142.5	-	27
	4		5.5	7.5	422.5	652.5	1075	142.5	-	38
	5		5.5	7.5	460	652.5	1112.5	142.5	-	39
	6		7.5	10	497.5	730.5	1228	142.5	-	43
	7		7.5	10	535	730.5	1265.5	142.5	-	44

\* Kit 14251005 necessary for 4" motors

19 SR	3	E6	4	5.5	382.5	581	581	143	144.5	48
	4		5.5	7.5	420	614.5	614.5	143	144.5	52
	5		5.5	7.5	457.5	614.5	614.5	143	144.5	53
	6		7.5	10	495	646	1141	143	144.5	57.5
	7		7.5	10	532.5	646	1178.5	143	144.5	58.5
	8		9.3	12.5	570	678.5	1248.5	143	144.5	62
	9		9.3	12.5	607.5	678.5	1286	143	144.5	62.5
	10		11	15	645	711	1356	143	144.5	67
	11		11	15	682.5	711	1393.5	143	144.5	68
	12		15	20	720	776	1496	143	144.5	74
	13		15	20	757.5	776	1533.5	143	144.5	75
	14		15	20	795	776	1571	143	144.5	76
	15		15	20	832.5	776	1608.5	143	144.5	76.5
	16		18.5	25	870	841.5	1711.5	143	144.5	84.5
	17		18.5	25	907.5	841.5	1749	143	144.5	85.5
	18		18.5	25	945	841.5	1786.5	143	144.5	86
	19		22	30	982.5	906.5	1889	143	144.5	93
	20		22	30	1020	906.5	1926.5	143	144.5	93.5
	21		22	30	1057.5	906.5	1964	143	144.5	94.5
	22		22	30	1095	906.5	2001.5	143	144.5	95.5
	23		30	40	1132.5	1036.5	2169	143	144.5	110.5
	24		30	40	1170	1036.5	2206.5	143	144.5	111.5
	25		30	40	1207.5	1036.5	2244	143	144.5	112.5
	26		30	40	1245	1036.5	2281.5	143	144.5	113
	27		30	40	1282.5	1036.5	2319	143	144.5	115
	28		30	40	1319.5	1036.5	2356	143	144.5	115
	29		30	40	1357	1036.5	2393.5	143	144.5	115.5
	30		30	40	1394.5	1036.5	2431	143	144.5	116.5

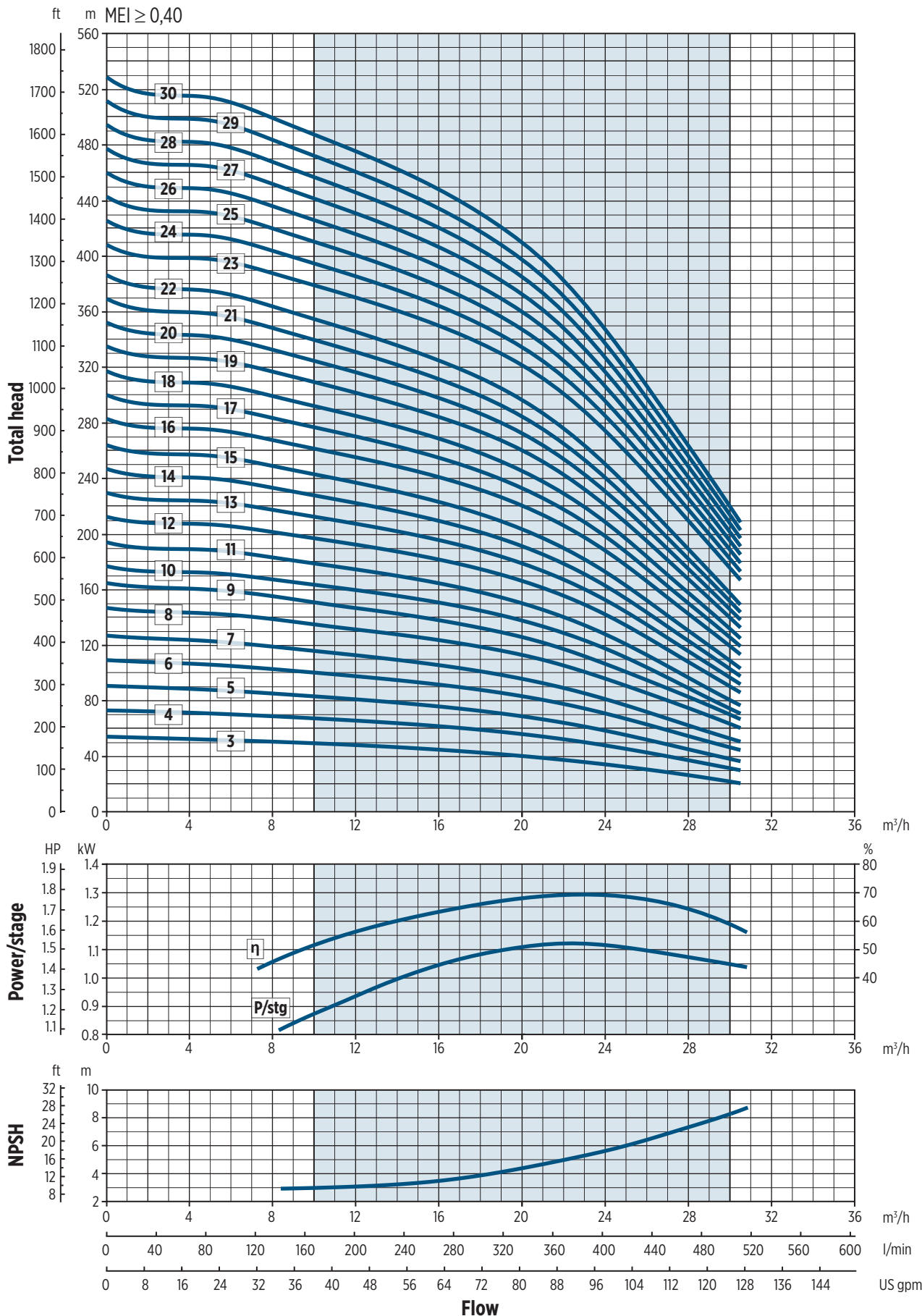
## PUMPS WITH REWINDABLE MOTOR

Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
19 SR	3	RW6	4	5.5	382.5	699	1081.5	147	147.5	58
	4		5.5	7.5	420	699	1119	147	147.5	59
	5		5.5	7.5	457.5	699	1156.5	147	147.5	60
	6		7.5	10	495	719	1214	147	147.5	62.5
	7		7.5	10	532.5	719	1251.5	147	147.5	63.5
	8		9.3	12.5	570	749	1319	147	147.5	67.5
	9		9.3	12.5	607.5	749	1356.5	147	147.5	68
	10		11	15	645	779	1424	147	147.5	72
	11		11	15	682.5	779	1461.5	147	147.5	73
	12		13	17.5	720	829	1549	147	147.5	78.5
	13		13	17.5	757.5	829	1586.5	147	147.5	79.5
	14		15	20	795	874	1669	147	147.5	85.5
	15		15	20	832.5	874	1706.5	147	147.5	86
	16		18.5	25	870	919	1789	147	147.5	91
	17		18.5	25	907.5	919	1826.5	147	147.5	92
	18		18.5	25	945	919	1864	147	147.5	92.5
	19		22	30	982.5	1009	1991.5	147	147.5	102.5
	20		22	30	1020	1009	2029	147	147.5	103
	21		22	30	1057.5	1009	2066.5	147	147.5	104
	22		22	30	1095	1009	2104	147	147.5	105
	23		26	35	1132.5	1114	2246.5	147	147.5	116.5
	24		26	35	1170	1114	2284	147	147.5	117.5
	25		26	35	1207.5	1114	2321.5	147	147.5	118.5
	26		26	35	1245	1114	2359	147	147.5	119
	27		30	40	1282.5	1214	2496.5	147	147.5	131
	28		30	40	1319.5	1214	2533.5	147	147.5	131
	29		30	40	1357	1214	2571	147	147.5	131.5
	30		30	40	1394.5	1214	2608.5	147	147.5	132.5



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# 19 SR - PERFORMANCE CURVES AT 60 Hz



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

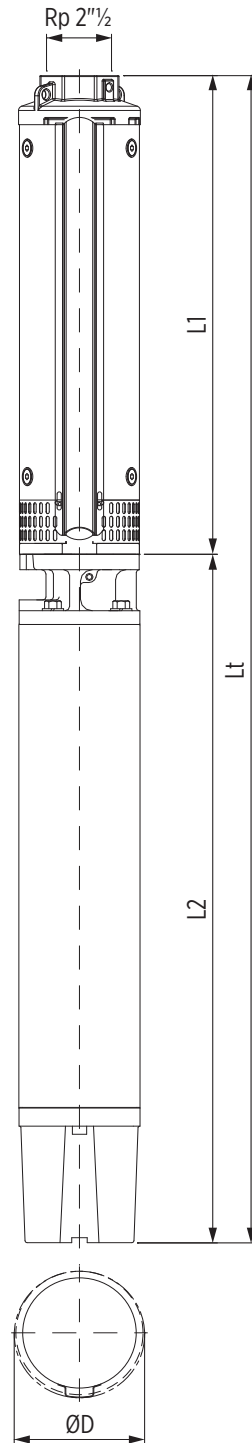
# 19 SR - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
19 SR	6	E4	3.7	5	497.5	520	1017.5	142.5	-	31.5
	7		5.5	7.5	535	652.5	1187.5	142.5	-	40
	8		5.5	7.5	572.5	652.5	1225	142.5	-	41
	9		5.5	7.5	610	652.5	1262.5	142.5	-	41.5
	10		7.5	10	647.5	730.5	1378	142.5	-	46.5
	11		7.5	10	685	730.5	1415.5	142.5	-	47.5
	12		7.5	10	722.5	730.5	1453	142.5	-	48

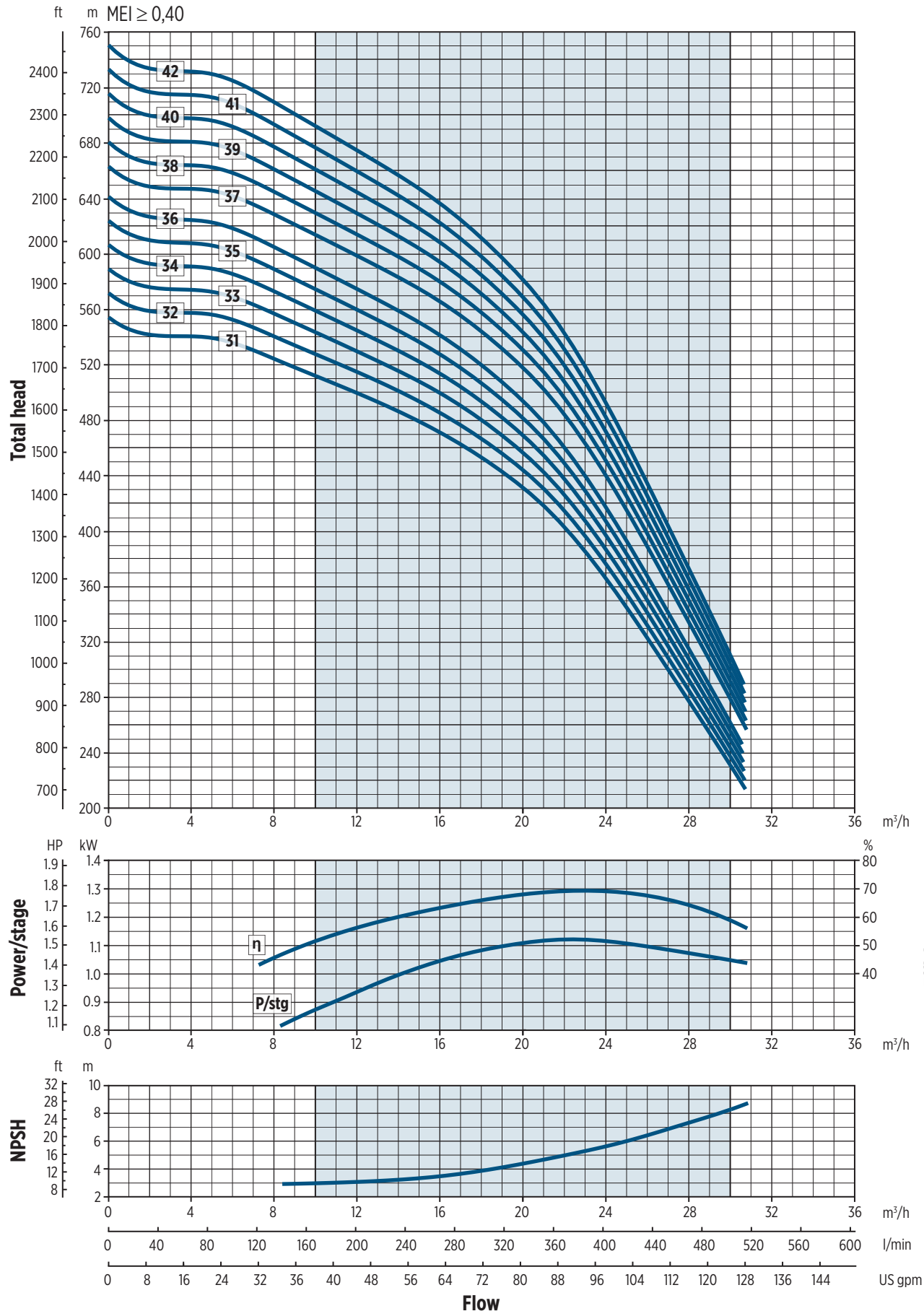
## PUMPS WITH REWINDABLE MOTOR

Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
19 SR	6	E6	4	5.5	495	581	1076	143	144.5	50
	7		5.5	7.5	532.5	614.5	1147	143	144.5	54.5
	8		5.5	7.5	570	614.5	1184.5	143	144.5	55.5
	9		5.5	7.5	607.5	614.5	1222	143	144.5	56
	10		7.5	10	645	646	1291	143	144.5	61
	11		7.5	10	682.5	646	1328.5	143	144.5	62
	12		7.5	10	720	646	1366	143	144.5	62.5
	13		9.3	12.5	757.5	678.5	1436	143	144.5	66
	14		9.3	12.5	795	678.5	1473.5	143	144.5	67
	15		9.3	12.5	832.5	678.5	1511	143	144.5	67.5
	16		11	15	870	711	1581	143	144.5	72
	17		11	15	907.5	711	1618.5	143	144.5	73
	18		11	15	945	711	1656	143	144.5	73.5
	19		15	20	982.5	776	1758.5	143	144.5	80
	20		15	20	1020	776	1796	143	144.5	80.5
	21		15	20	1057.5	776	1833.5	143	144.5	81.5
	22		15	20	1095	776	1871	143	144.5	82.5
	23		15	20	1132.5	776	1908.5	143	144.5	83
	24		15	20	1170	776	1946	143	144.5	84



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# 19 SR HIGH PRESSURE - PERFORMANCE CURVES AT 60 Hz



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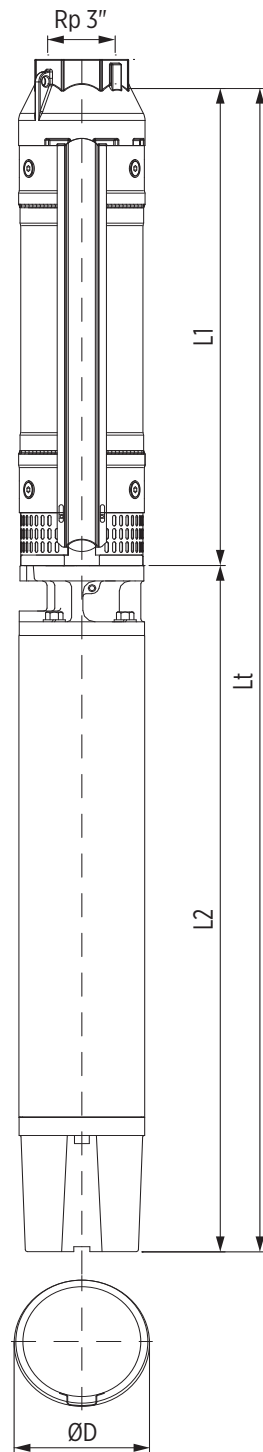
# 25 SR\* - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
3	E4 HT *	3	4	461	477	938	142.5	-	28.5
4		4	5.5	507.5	543	1050.5	142.5	-	32.5
5		5.5	7.5	554	652.5	1206.5	142.5	-	40
6		7.5	10	600.5	730.5	1331	142.5	-	45
7		7.5	1	647	730.5	1377.5	142.5	-	46

\* Kit 14251005 necessary for 4" motors

3	E6	4	5.5	458.5	581	1039.5	143	144.5	49
4		4	5.5	505	581	1086	143	144.5	50
5		5.5	7.5	551.5	614.5	1166	143	144.5	54.5
6		7.5	1	598	646	1244	143	144.5	59.5
7		7.5	10	644.5	646	1290.5	143	144.5	60.5
8		9.3	12.5	691	678.5	1369.5	143	144.5	64
9		9.3	12.5	737.5	678.5	1416	143	144.5	65
10		11	15	784	711	1495	143	144.5	70
11		11	15	830.5	711	1541.5	143	144.5	70.5
12		15	2	877	776	1653	143	144.5	77.5
13		15	2	923.5	776	1699.5	143	144.5	79
14		15	2	97	776	1746	143	144.5	79
15		15	2	1016.5	776	1792.5	143	144.5	79.5
16		18.5	25	1063	841.5	1904.5	143	144.5	88
17		18.5	25	1109.5	841.5	1951	143	144.5	88.5
18		18.5	25	1156	841.5	1997.5	143	144.5	89.5
19		18.5	25	1202.5	841.5	2044	143	144.5	90.5
20		22	3	1249	906.5	2155.5	143	144.5	97.5
21		22	30	1295.5	906.5	2202	143	144.5	98.5
22		22	3	1342	906.5	2248.5	143	144.5	99.5
23		22	30	1388.5	906.5	2295	143	144.5	100.5



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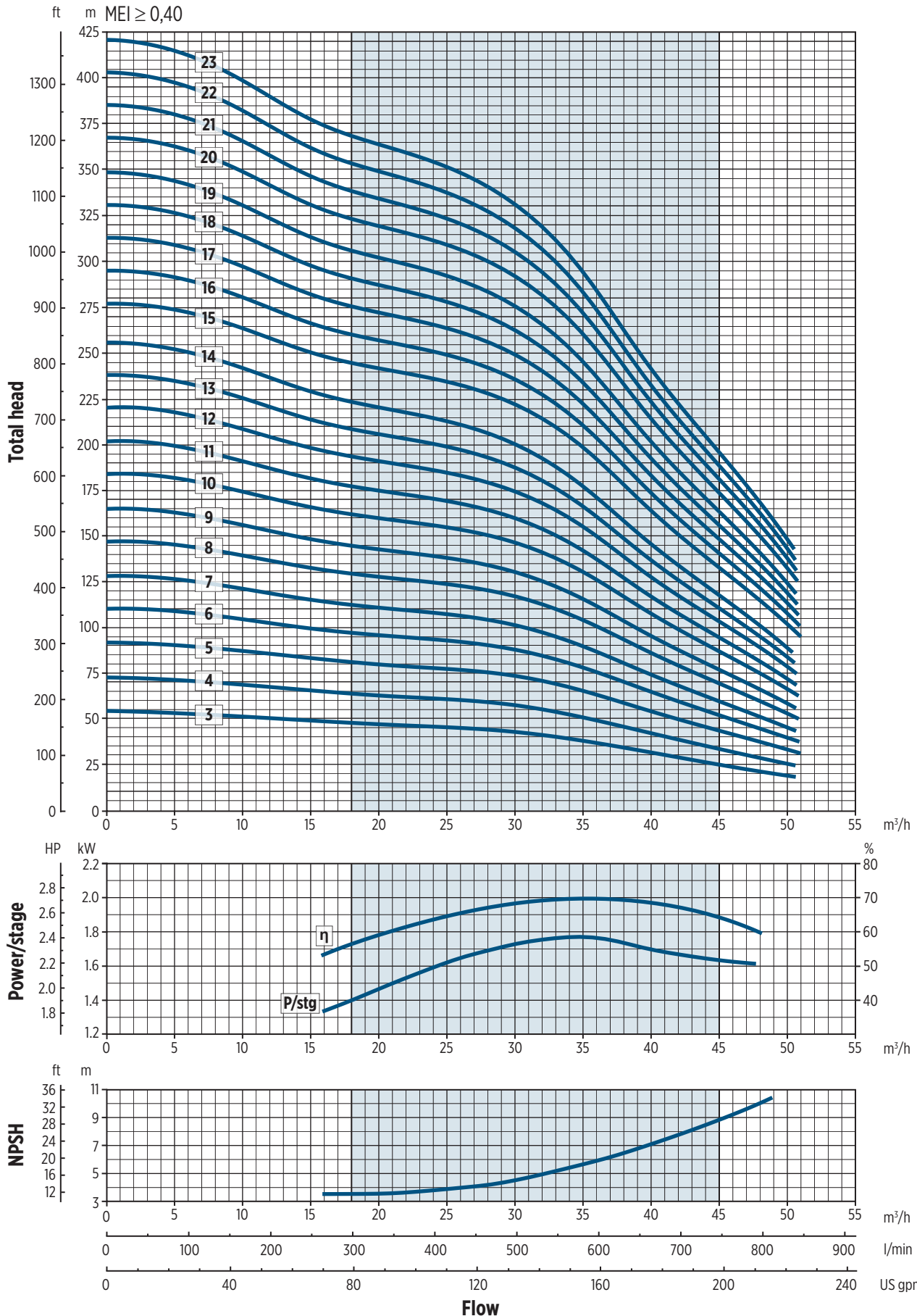
## PUMPS WITH REWINDABLE MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
3	RW6	4	5.5	458.5	699	1157.5	147	147.5	59.5
4		4	5.5	505	699	1204	147	147.5	60.5
5		5.5	7.5	551.5	699	1250.5	147	147.5	61.5
6		7.5	1	598	719	1317	147	147.5	64.5
7		7.5	1	644.5	719	1363.5	147	147.5	65.5
8		9.3	12.5	691	749	144	147	147.5	69.5
9		9.3	12.5	737.5	749	1486.5	147	147.5	70.5
10		11	15	784	779	1563	147	147.5	75
11		11	15	830.5	779	1609.5	147	147.5	75.5
12		13	17.5	877	829	1706	147	147.5	82
13		13	17.5	923.5	829	1752.5	147	147.5	83.5
14		15	2	97	874	1844	147	147.5	88.5
15		15	20	1016.5	874	1890.5	147	147.5	89
16		18.5	25	1063	919	1982	147	147.5	94.5
17		18.5	25	1109.5	919	2028.5	147	147.5	95
18		18.5	25	1156	919	2075	147	147.5	96
19		18.5	25	1202.5	919	2121.5	147	147.5	97
20		22	30	1249	1009	2258	147	147.5	107
21		22	30	1295.5	1009	2304.5	147	147.5	108
22		22	30	1342	1009	2351	147	147.5	109
23		22	30	1388.5	1009	2397.5	147	147.5	110

\* IMPORTANT: Models only for sales out of EU or as a component of fire-fighting units

## 25 SR\* - PERFORMANCE CURVES AT 60 Hz

\* IMPORTANT: Models only for sales out of EU or as a component of fire-fighting units

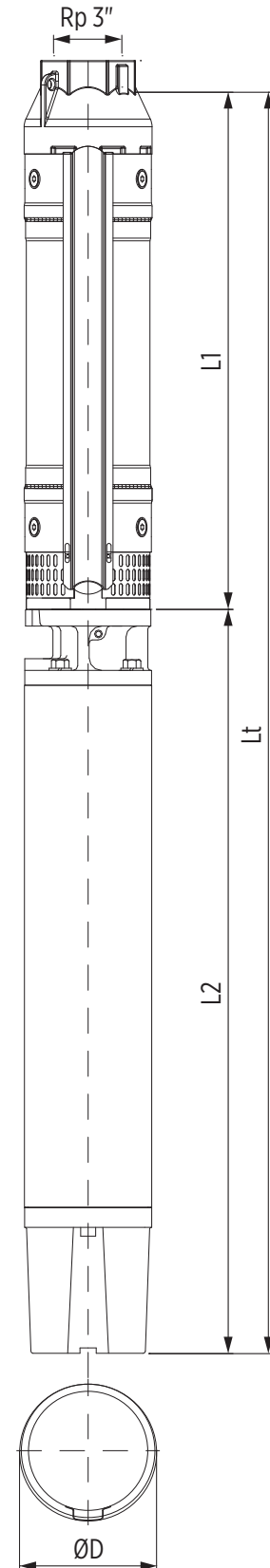


# 25 SR\* HIGH PRESSURE - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Pump model	Stages	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
25 * SR HP	24 HP	E6	45	60	1435	1574	3009	143	144.5	184
	25 HP		45	60	1481	1574	3055	143	144.5	185
	26 HP		45	60	1527.5	1574	3101.5	143	144.5	186
	27 HP		45	60	1574	1574	3148	143	144.5	187
	28 HP		45	60	1620.5	1574	3194.5	143	144.5	188

\* IMPORTANT: Models only for sales out of EU or as a component of fire-fighting units

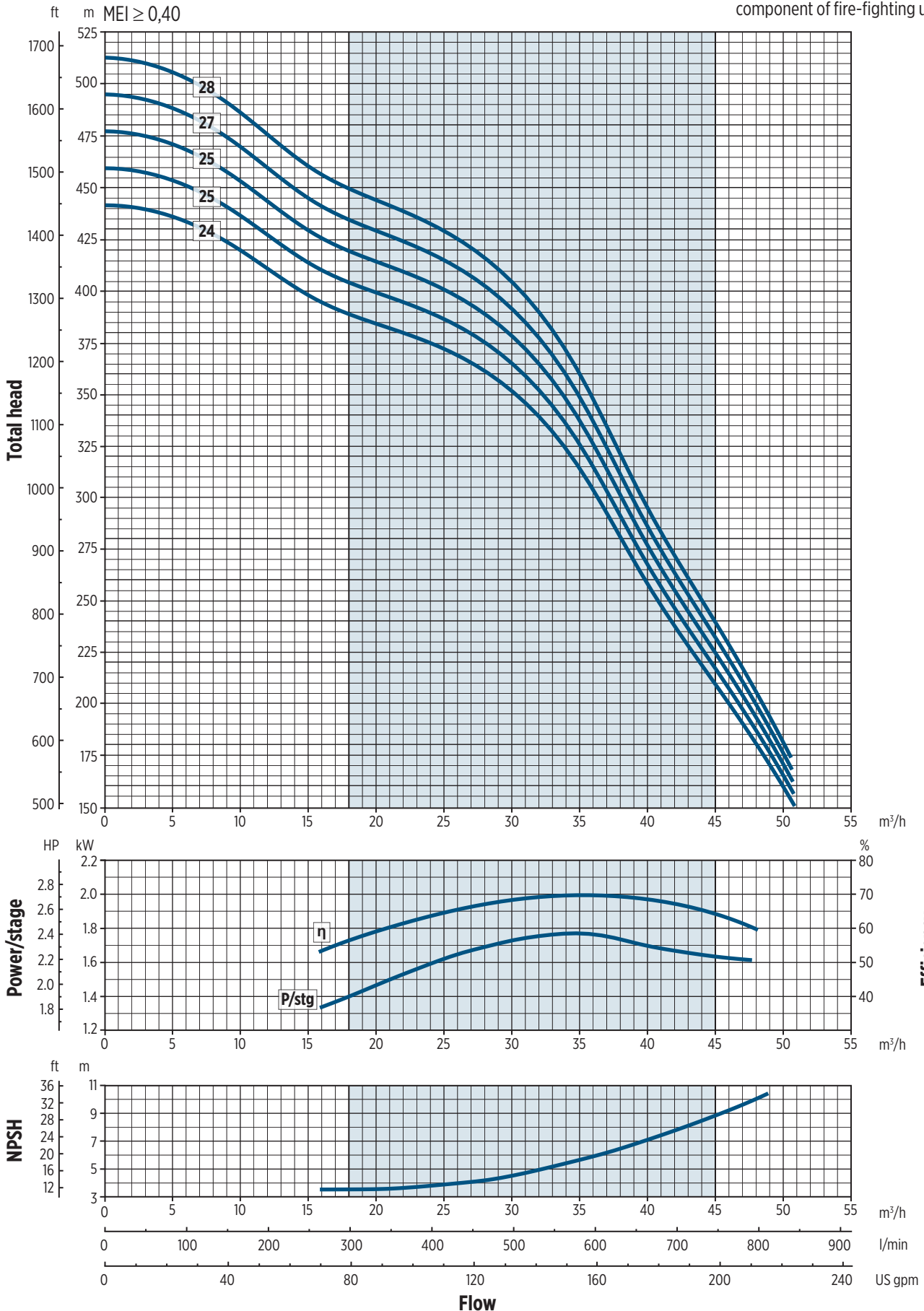


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## 25 SR\* HIGH PRESSURE - PERFORMANCE CURVES AT 60 Hz

\* IMPORTANT: Models only for sales out of EU or as a component of fire-fighting units



# 30 SR - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
3	E4	3.7	5	622	520	1142	142.5	-	34
4		5.5	7.5	707.5	652.5	1360	142.5	-	43.5
5		7.5	10	793	730.5	1523.5	142.5	-	50
6		7.5	10	878.5	730.5	1609	142.5	-	52

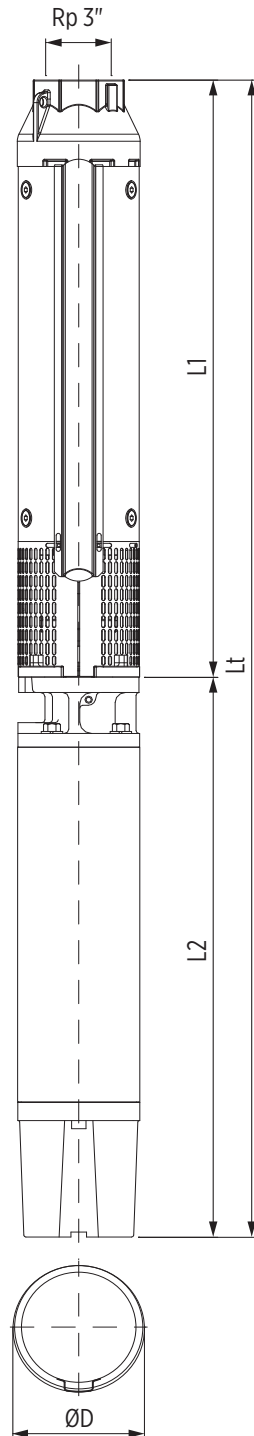
\* Kit 14251005 necessary for 4" motors

3	E6	4	5.5	620	581	1201	143	144.5	52
4		5.5	7.5	705.5	614.5	1320	143	144.5	58
5		7.5	10	790.5	646	1436.5	143	144.5	64
6		7.5	10	876	646	1522	143	144.5	66
7		9.3	12.5	961.5	678.5	1640	143	144.5	70.5
8		11	15	1047	711	1758	143	144.5	76.5
9		11	15	1132.5	711	1843.5	143	144.5	78.5
10		15	20	1218	776	1994	143	144.5	86
11		15	20	1303.5	776	2079.5	143	144.5	88
12		15	20	1389	776	2165	143	144.5	90
13		18.5	25	1474.5	841.5	2316	143	144.5	99
14		18.5	25	1560	841.5	2401.5	143	144.5	101.5
15		22	30	1645.5	906.5	2552	143	144.5	109.5
16		22	30	1730.5	906.5	2637	143	144.5	111.5
17		22	30	1816	906.5	2722.5	143	144.5	113.5
18		22	30	1901.5	906.5	2808	143	144.5	115.5
19		30	40	1987	1036.5	3023.5	143	144.5	132
20		30	40	2072.5	1036.5	3109	143	144.5	134.5

## PUMPS WITH REWINDABLE MOTOR

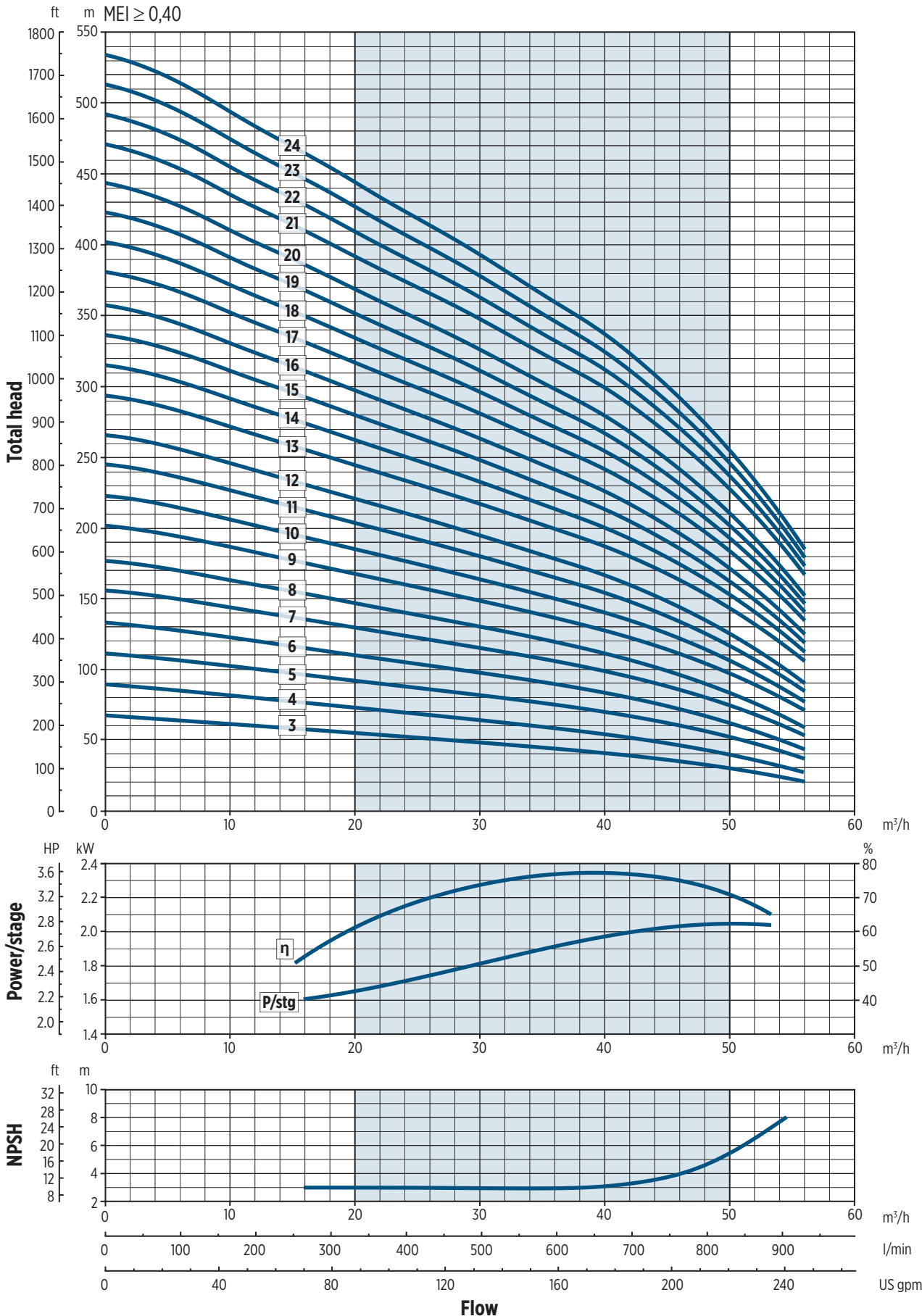
Stages	Vers. R	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
3	●	RW6	4	5.5	620	699	1319	147	147.5	62.5
4	●		5.5	7.5	705.5	699	1404.5	147	147.5	65
5	●		7.5	10	790.5	719	1509.5	147	147.5	69
6	●		7.5	10	876	719	1595	147	147.5	71
7	●		9.3	12.5	961.5	749	1710.5	147	147.5	76
8	●		11	15	1047	779	1826	147	147.5	81.5
9	●		11	15	1132.5	779	1911.5	147	147.5	83.5
10	●		13	17.5	1218	829	2047	147	147.5	90.5
11	●		15	20	1303.5	874	2177.5	147	147.5	97.5
12	●		15	20	1389	874	2263	147	147.5	99.5
13	●		18.5	25	1474.5	919	2393.5	147	147.5	105.5
14	●		18.5	25	1560	919	2479	147	147.5	108
15	●		22	30	1645.5	1009	2654.5	147	147.5	119
16	●		22	30	1730.5	1009	2739.5	147	147.5	121
17	●		22	30	1816	1009	2825	147	147.5	123
18	●		22	30	1901.5	1009	2910.5	147	147.5	125
19	●		26	35	1987	1114	3101	147	147.5	138
20	●		26	35	2072.5	1114	3186.5	147	147.5	140.5

● = Pump available in R version (AISI 904L)



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# 30 SR - PERFORMANCE CURVES AT 60 Hz



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# 30 SR - TECHNICAL DATA AT 60 Hz

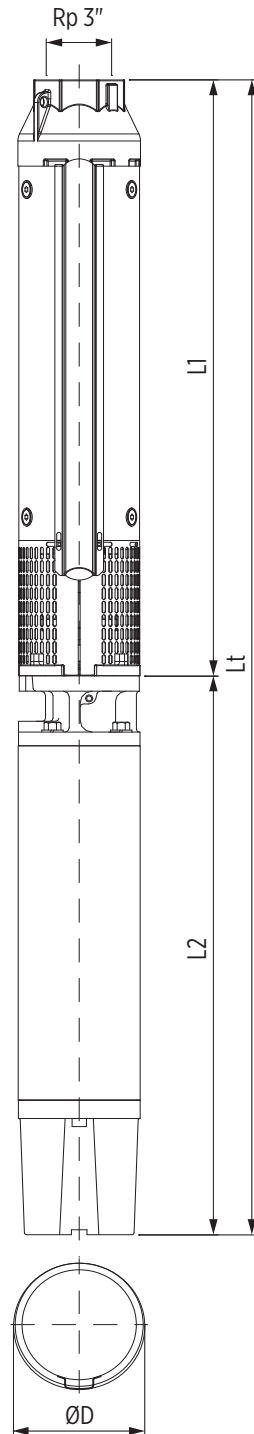
## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
21	E6	30	40	2157.5	1036.5	3194	143	144.5	136.5
22		30	40	2243	1036.5	3279.5	143	144.5	138.5
23		30	40	2328.5	1036.5	3365	143	144.5	140.5
24		30	40	2414	1036.5	3450.5	143	144.5	142.5
25		37	50	2499	1421.5	3920.5	143	144.5	199
26		37	50	2584.5	1421.5	4006	143	144.5	201
27		37	50	2670	1421.5	4091.5	143	144.5	203
28		37	50	2755	1421.5	4176.5	143	144.5	205
29		37	50	2840.5	1421.5	4262	143	144.5	207
30		37	50	2926	1421.5	4347.5	143	144.5	209.5
31		45	60	3011	1574	4585	143	144.5	224.5
32		45	60	3096.5	1574	4670.5	143	144.5	227.5
33		45	60	3182	1574	4756	143	144.5	229.5
34		45	60	3267.5	1574	4841.5	143	144.5	231.5
35		45	60	3352.5	1574	4926.5	143	144.5	234

## PUMPS WITH REWINDABLE MOTOR

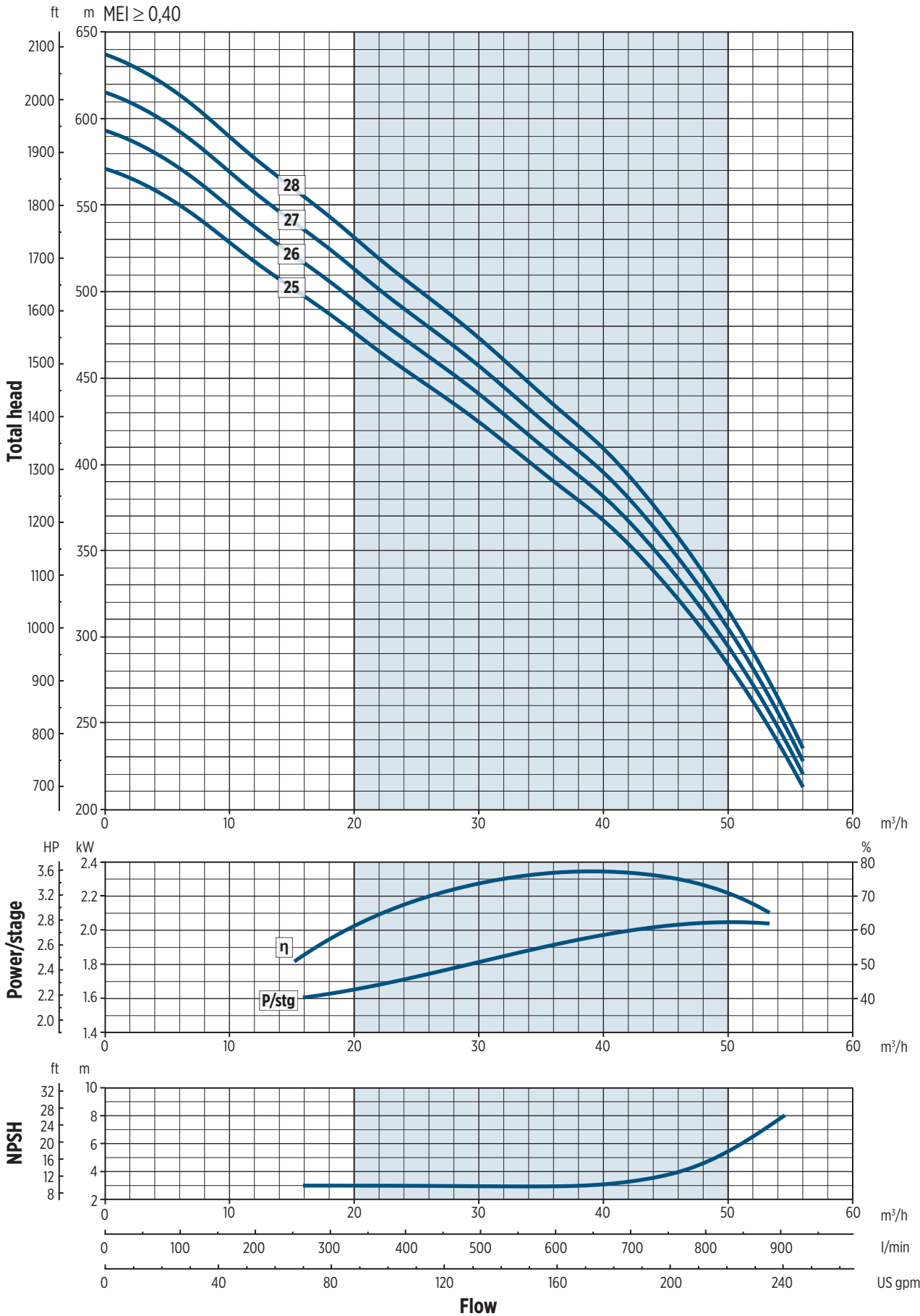
Stages	Vers. R	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
21	●	RW6	26	35	2157.5	1114	3271.5	147	147.5	142.5
22	●		30	40	2243	1214	3457	147	147.5	154.5
23	●		30	40	2328.5	1214	3542.5	147	147.5	156.5
24	●		30	40	2414	1214	3628	147	147.5	158.5
25	●		37	50	2499	1294	3793	147	147.5	168
26	●		37	50	2584.5	1294	3878.5	147	147.5	170
27	●		37	50	2670	1294	3964	147	147.5	172
28	●		37	50	2755	1294	4049	147	147.5	174
29	●		37	50	2840.5	1294	4134.5	147	147.5	176
30	●		37	50	2926	1294	4220	147	147.5	178.5
31		RW8	45	60	3111	1230	4341	189	189	234.5
32			45	60	3196.5	1230	4426.5	189	189	237.5
33			45	60	3282	1230	4512	189	189	239.5
34			45	60	3367.5	1230	4597.5	189	189	241.5
35			45	60	3452.5	1230	4682.5	189	189	244

● = Pump available in R version (AISI 904L)



003038 07/2017

# 30 SR - PERFORMANCE CURVES AT 60 Hz



002016EN 09/2018

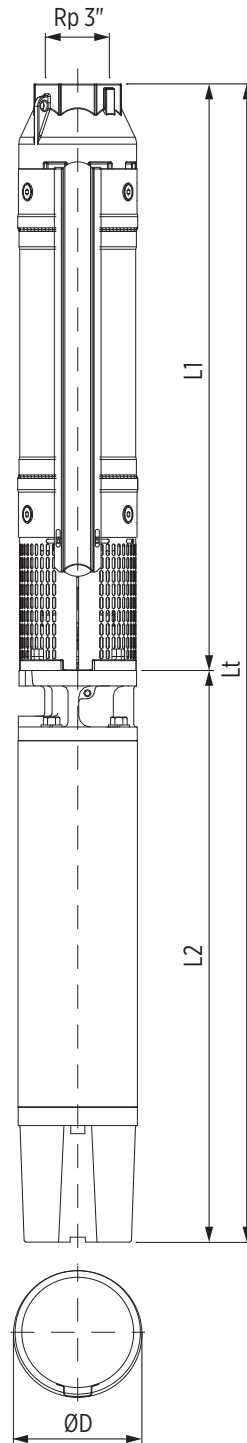
# 30 SR HIGH PRESSURE - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
36	E6	45	60	3438	1574	5012	145	146.5	237
37		45	60	3523.5	1574	5097.5	145	146.5	239
38	E8	55	75	3709	1204	4913	190.5	190.5	270.5
39		55	75	3794	1204	4998	190.5	190.5	272.5
40		55	75	3879.5	1204	5083.5	190.5	190.5	275
41		55	75	3965	1204	5169	190.5	190.5	276
42		55	75	4050.5	1204	5254.5	190.5	190.5	277
43		55	75	4135.5	1204	5339.5	190.5	190.5	278

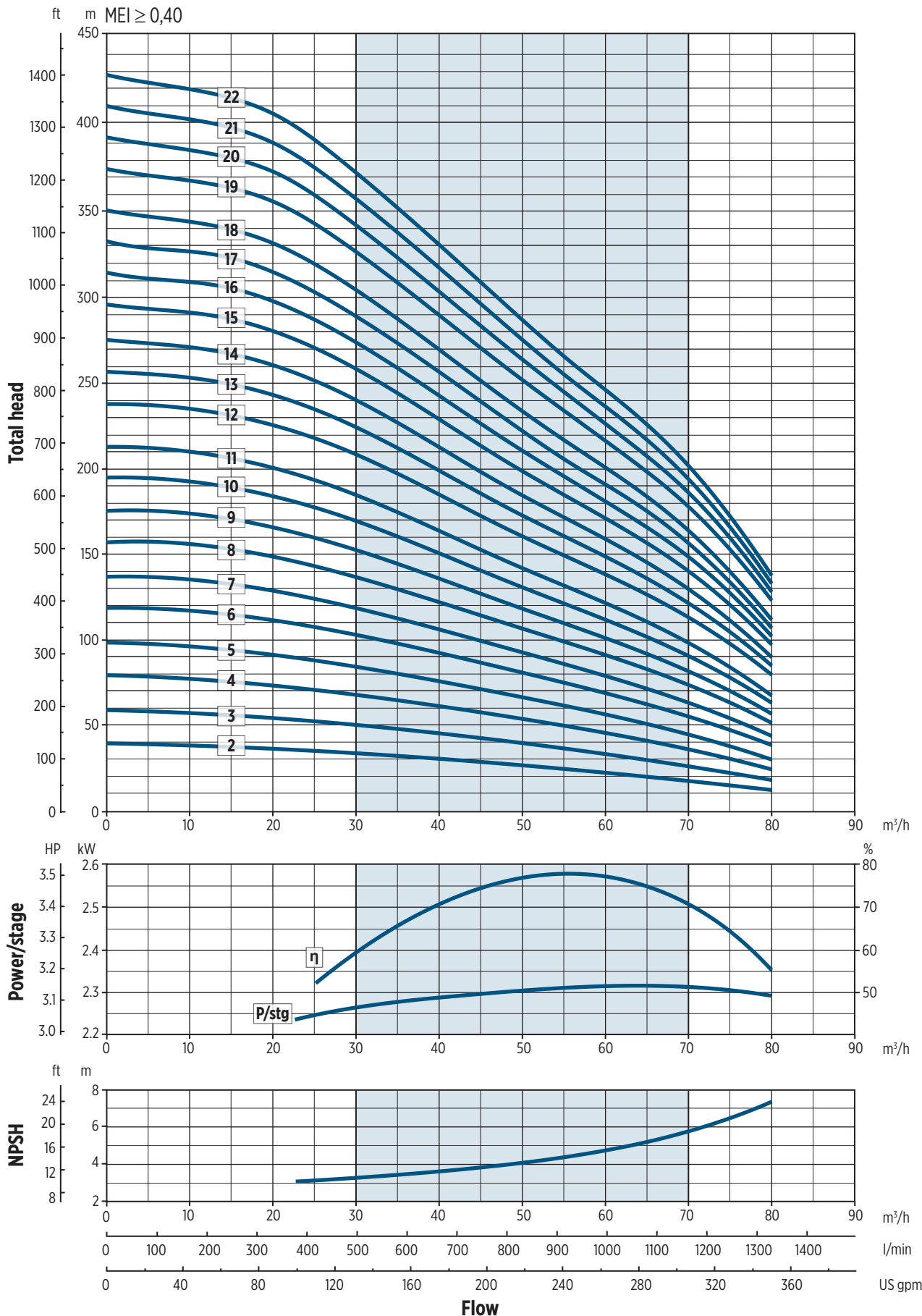
## PUMPS WITH REWINDABLE MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
36	RW8	45	60	3538	1230	4768	189	189	247
37		45	60	3623.5	1230	4853.5	189	189	249
38		55	75	3709	1340	5049	189	189	274.5
39		55	75	3794	1340	5134	189	189	276.5
40		55	75	3879.5	1340	5219.5	189	189	279
41		55	75	3965	1340	5305	189	189	280
42		55	75	4050.5	1340	5390.5	189	189	281
43		55	75	4135.5	1340	5475.5	189	189	282



00130039 07/2017

# 30 SR HIGH PRESSURE - PERFORMANCE CURVES AT 60 Hz



001016ZEN/09/2018

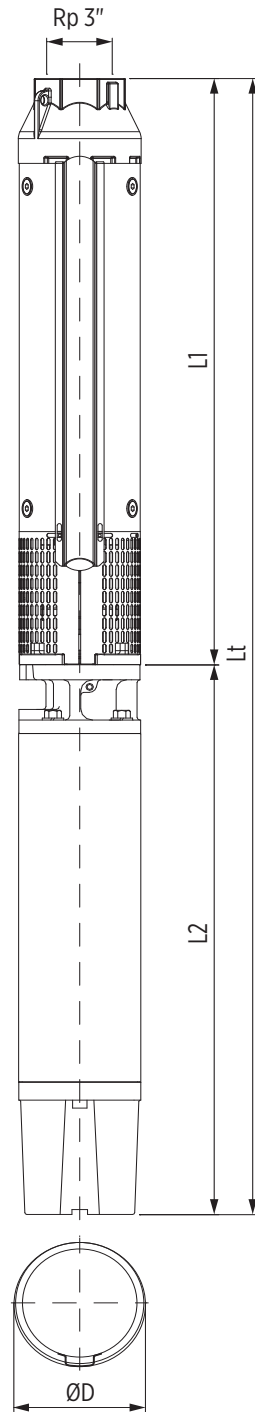
# 46 SR - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
2	E4	3	4	593.5	477	1070.5	142.5	-	31
3		4	5.5	707.5	543	1250.5	142.5	-	36.5
4		5.5	7.5	821.5	652.5	1474	142.5	-	45.5
5		7.5	10	935.5	730.5	1666	142.5	-	52.5

\* Kit 14251005 necessary for 4" motors

2	E6	4	5.5	591.5	581	1172.5	143	144.5	51
3		4	5.5	705.5	581	1286.5	143	144.5	53.5
4		5.5	7.5	819.5	614.5	1434	143	144.5	60
5		7.5	10	933.5	646	1579.5	143	144.5	66.5
6		9.3	12.5	1047	678.5	1725.5	143	144.5	71.5
7		9.3	12.5	1161	678.5	1839.5	143	144.5	74
8		11	15	1275	711	1986	143	144.5	80
9		15	20	1389	776	2165	143	144.5	88.5
10		15	20	1503	776	2279	143	144.5	91
11		15	20	1617	776	2393	143	144.5	93.5
12		18.5	25	1730.5	841.5	2572	143	144.5	103
13		18.5	25	1844.5	841.5	2686	143	144.5	105.5
14		18.5	25	1958.5	841.5	2800	143	144.5	108.5
15		22	30	2072.5	906.5	2979	143	144.5	117
16		22	30	2186	906.5	3092.5	143	144.5	119.5
17		22	30	2300	906.5	3206.5	143	144.5	122
18		30	40	2414	1036.5	3450.5	143	144.5	139.5
19		30	40	2527.5	1036.5	3564	143	144.5	142
20		30	40	2641.5	1036.5	3678	143	144.5	144.5
21		30	40	2755	1036.5	3791.5	143	144.5	147
22		30	40	2869	1036.5	3905.5	143	144.5	149.5
23		30	40	2983	1036.5	4019.5	143	144.5	152.5
24		37	50	3096.5	1421.5	4518	143	144.5	209
25		37	50	3210.5	1421.5	4632	143	144.5	211.5
26		37	50	3324	1421.5	4745.5	143	144.5	214



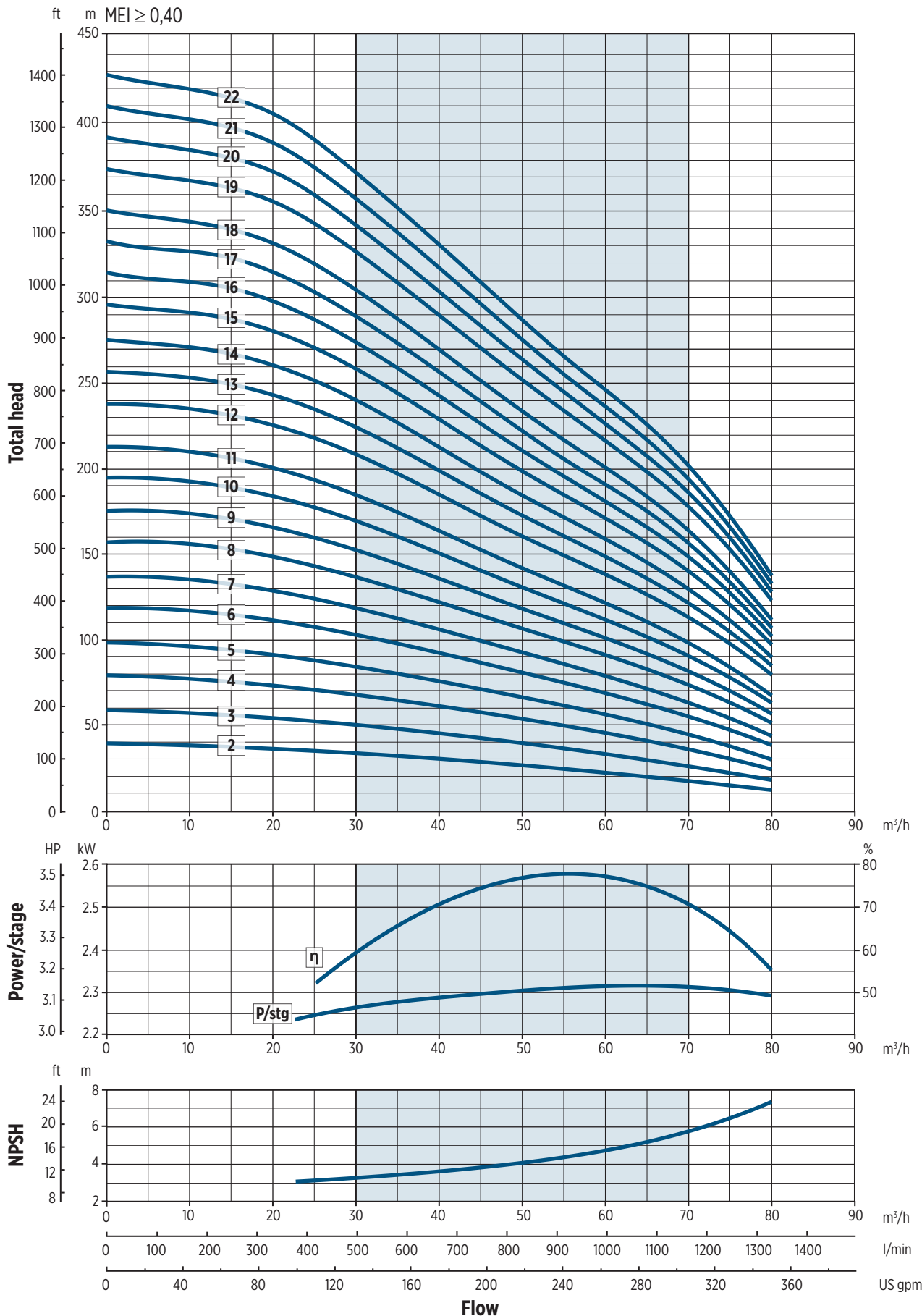
00130038-07/2017

## PUMPS WITH REWINDABLE MOTOR

Stages	Vers. R	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
2	●	RW6	4	5.5	591.5	699	1290.5	147	147.5	61.5
3	●		4	5.5	705.5	699	1404.5	147	147.5	64
4	●		5.5	7.5	819.5	699	1518.5	147	147.5	67
5	●		7.5	10	933.5	719	1652.5	147	147.5	71.5
6	●		9.3	12.5	1047	749	1796	147	147.5	77
7	●		9.3	12.5	1161	749	1910	147	147.5	79.5
8	●		11	15	1275	779	2054	147	147.5	85
9	●		13	17.5	1389	829	2218	147	147.5	93
10	●		13	17.5	1503	829	2332	147	147.5	95.5
11	●		15	20	1617	874	2491	147	147.5	103
12	●		18.5	25	1730.5	919	2649.5	147	147.5	109.5
13	●		18.5	25	1844.5	919	2763.5	147	147.5	112
14	●		18.5	25	1958.5	919	2877.5	147	147.5	115
15	●		22	30	2072.5	1009	3081.5	147	147.5	126.5
16	●		22	30	2186	1009	3195	147	147.5	129
17	●		22	30	2300	1009	3309	147	147.5	131.5
18	●		26	35	2414	1114	3528	147	147.5	145.5
19	●		26	35	2527.5	1114	3641.5	147	147.5	148
20	●		30	40	2641.5	1214	3855.5	147	147.5	160.5
21	●		30	40	2755	1214	3969	147	147.5	163
22	●		30	40	2869	1214	4083	147	147.5	165.5
23	●		30	40	2983	1214	4197	147	147.5	168.5
24	●		37	50	3096.5	1294	4390.5	147	147.5	178
25	●		37	50	3210.5	1294	4504.5	147	147.5	180.5
26	●		37	50	3324	1294	4618	147	147.5	183

● = Pump available in R version (AISI 904L)

# 46 SR - PERFORMANCE CURVES AT 60 Hz



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

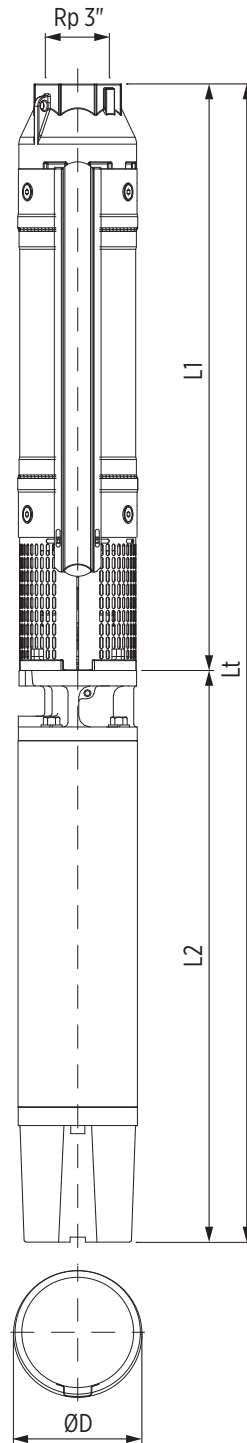
# 46 SR HIGH PRESSURE - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor		Dimensions [mm]						Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
27	E6	37	50	3438	1421.5	4859.5	145	146.5	217.5
28		37	50	3552	1421.5	4973.5	145	146.5	220
29		45	60	3665.5	1574	5239.5	145	146.5	236.5
30		45	60	3779.5	1574	5353.5	145	146.5	239
31		45	60	3893.5	1574	5467.5	145	146.5	242
32		45	60	4007	1574	5581	145	146.5	244.5
33		45	60	4121	1574	5695	145	146.5	247
34	E8	55	75	4335	1204	5539	190.5	190.5	279
35		55	75	4449	1204	5653	190.5	190.5	281.5
36		55	75	4562.5	1204	5766.5	190.5	190.5	284.5
37		55	75	4676.5	1204	5880.5	190.5	190.5	287
38		55	75	4790.5	1204	5994.5	190.5	190.5	289.5
39		55	75	4904.5	1204	6108.5	190.5	190.5	292
40		55	75	5018.5	1204	6222.5	190.5	190.5	295

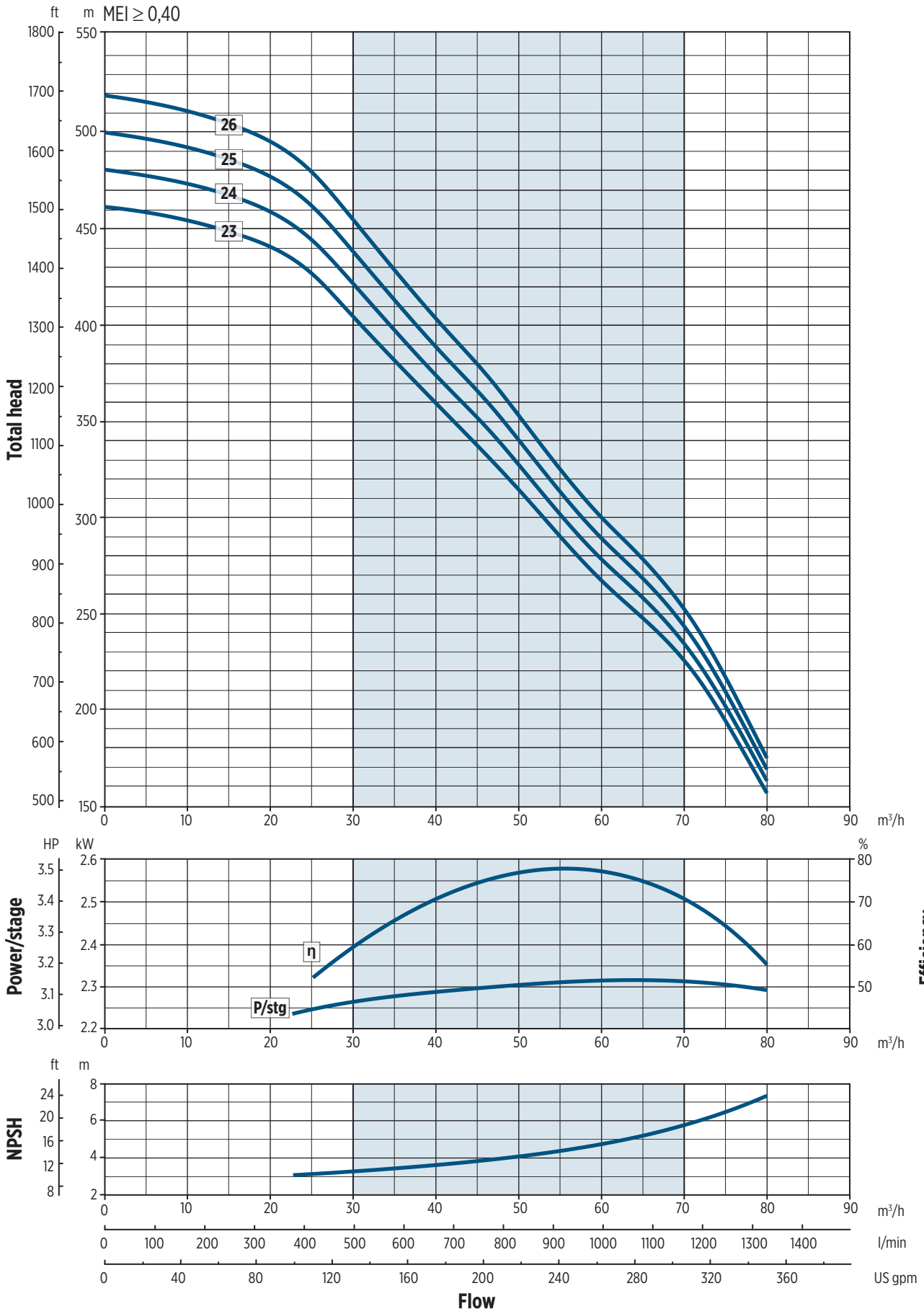
## PUMPS WITH REWINDABLE MOTOR

Stages	Motor		Dimensions [mm]						Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
27	RW6	37	50	3438	1294	4732	149	149.5	186.5
28		37	50	3552	1294	4846	149	149.5	189
29	RW8	45	60	3765.5	1230	4995.5	189	189	246.5
30		45	60	3879.5	1230	5109.5	189	189	249
31		45	60	3993.5	1230	5223.5	189	189	252
32		45	60	4107	1230	5337	189	189	254.5
33		45	60	4221	1230	5451	189	189	257
34		55	75	4335	1340	5675	189	189	283
35		55	75	4449	1340	5789	189	189	285.5
36		55	75	4562.5	1340	5902.5	189	189	288.5
37		55	75	4676.5	1340	6016.5	189	189	291
38		55	75	4790.5	1340	6130.5	189	189	293.5
39		55	75	4904.5	1340	6244.5	189	189	296
40		55	75	5018.5	1340	6358.5	189	189	299



00130039 07/2017

## 46 SR HIGH PRESSURE - PERFORMANCE CURVES AT 60 Hz



00T02015EEN 09/2018

# 65 SR - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
2	E4	3.7	5	593.5	520	1113.5	142.5	-	33
3		5.5	7.5	707.5	652.5	1360	142.5	-	43
4		7.5	10	821.5	730.5	1552	142.5	-	49.5

\* Kit 14251005 necessary for 4" motors

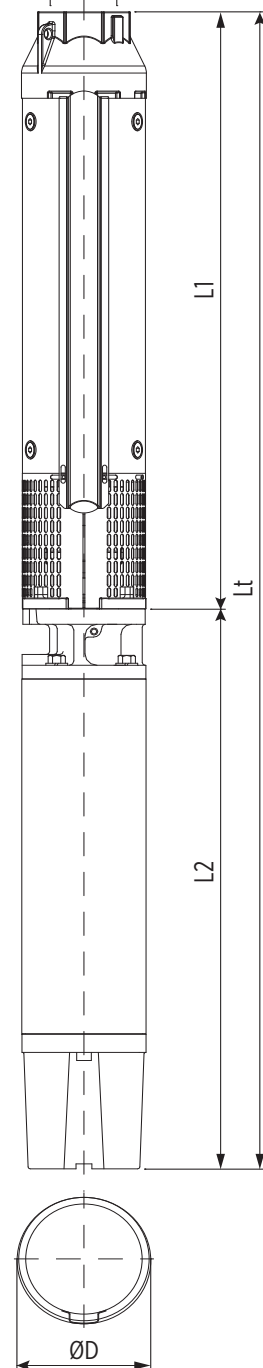
2	E6	4	5.5	591.5	581	1172.5	143	144.5	51
3		5.5	7.5	705.5	614.5	1320	143	144.5	57
4		7.5	10	819.5	646	1465.5	143	144.5	64
5		9.3	12.5	933.5	678.5	1612	143	144.5	69
6		11	15	1047	711	1758	143	144.5	75
7		15	20	1161	776	1937	143	144.5	83
8		15	20	1275	776	2051	143	144.5	86
9		15	20	1389	776	2165	143	144.5	88.5
10		18.5	25	1503	841.5	2344.5	143	144.5	98
11		18.5	25	1617	841.5	2458.5	143	144.5	100.5
12		22	30	1730.5	906.5	2637	143	144.5	109
13		22	30	1844.5	906.5	2751	143	144.5	112
14		30	40	1958.5	1036.5	2995	143	144.5	129
15		30	40	2072.5	1036.5	3109	143	144.5	131.5
16		30	40	2186	1036.5	3222.5	143	144.5	134
17		30	40	2300	1036.5	3336.5	143	144.5	137
18		37	50	2414	1421.5	3835.5	143	144.5	193.5
19		37	50	2527.5	1421.5	3949	143	144.5	196
20		37	50	2641.5	1421.5	4063	143	144.5	198.5
21		37	50	2755	1421.5	4176.5	143	144.5	201.5
22		45	60	2869	1574	4443	143	144.5	218
23		45	60	2983	1574	4557	143	144.5	220.5
24		45	60	3096.5	1574	4670.5	143	144.5	223
25		45	60	3210.5	1574	4784.5	143	144.5	225.5
26		45	60	3324	1574	4898	143	144.5	228.5

## PUMPS WITH REWINDABLE MOTOR

Stages	Vers. R	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
2	●	RW6	4	5.5	591.5	699	1290.5	147	147.5	61.5
3	●		5.5	7.5	705.5	699	1404.5	147	147.5	64
4	●		7.5	10	819.5	719	1538.5	147	147.5	69
5	●		9.3	12.5	933.5	749	1682.5	147	147.5	74.5
6	●		11	15	1047	779	1826	147	147.5	80
7	●		13	17.5	1161	829	1990	147	147.5	87.5
8	●		15	20	1275	874	2149	147	147.5	95.5
9	●		15	20	1389	874	2263	147	147.5	98
10	●		18.5	25	1503	919	2422	147	147.5	104.5
11	●		18.5	25	1617	919	2536	147	147.5	107
12	●		22	30	1730.5	1009	2739.5	147	147.5	118.5
13	●		22	30	1844.5	1009	2853.5	147	147.5	121.5
14	●		26	35	1958.5	1114	3072.5	147	147.5	135
15	●		26	35	2072.5	1114	3186.5	147	147.5	137.5
16	●		30	40	2186	1214	3400	147	147.5	150
17	●		30	40	2300	1214	3514	147	147.5	153
18	●		37	50	2414	1294	3708	147	147.5	162.5
19	●		37	50	2527.5	1294	3821.5	147	147.5	165
20	●		37	50	2641.5	1294	3935.5	147	147.5	167.5
21	●		37	50	2755	1294	4049	147	147.5	170.5
22			RW8	45	60	2969	1230	4199	189	189
23		45		60	3083	1230	4313	189	189	227.5
24		45		60	3196.5	1230	4426.5	189	189	230
25		45		60	3310.5	1230	4540.5	189	189	232.5
26		45		60	3424	1230	4654	189	189	235

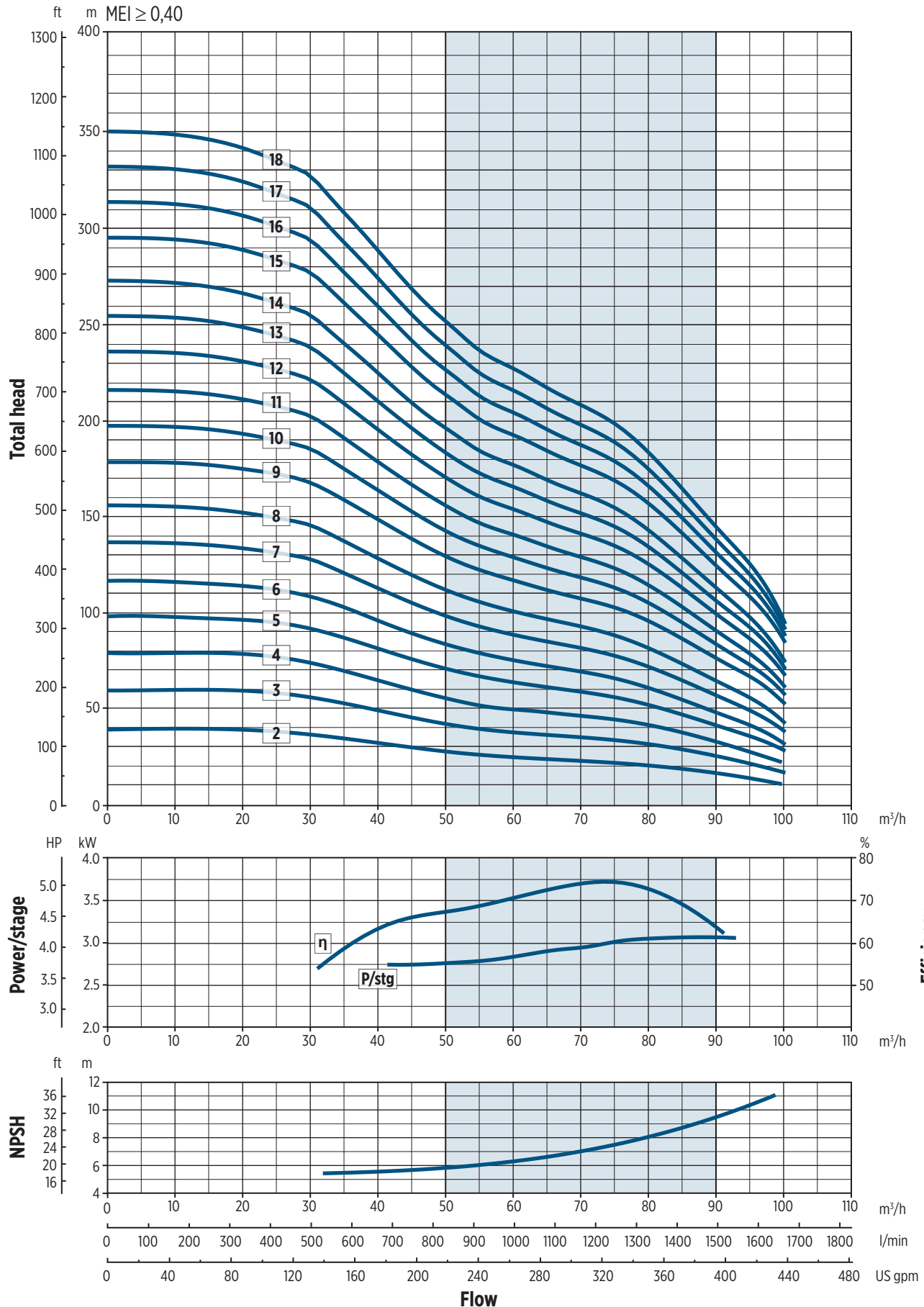
● = Pump available in R version (AISI 904L)

Rp 3" for I and N versions  
Rp 4" for R version



0030040 01/2017

# 65 SR - PERFORMANCE CURVES AT 60 Hz



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

002016AEN 09/2018

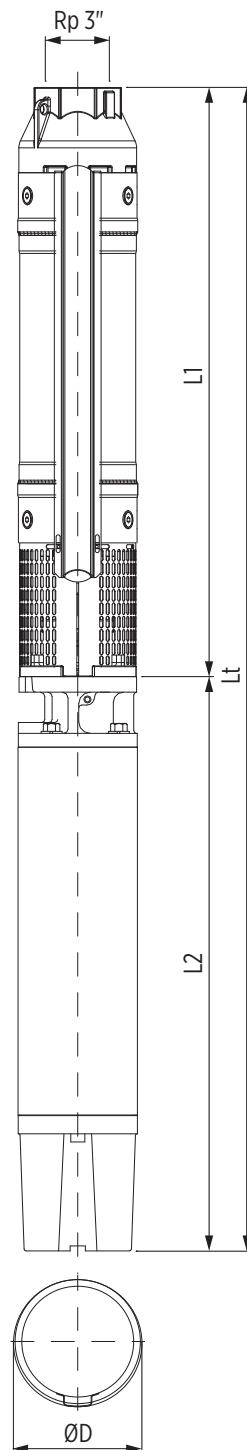
# 65 SR HIGH PRESSURE - TECHNICAL DATA AT 60 Hz

## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor		Dimensions [mm]						Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
27	E8	55	75	3538	1204	4742	190.5	190.5	261
28		55	75	3652	1204	4856	190.5	190.5	263.5
29		55	75	3765.5	1204	4969.5	190.5	190.5	266
30		55	75	3879.5	1204	5083.5	190.5	190.5	268.5
31		55	75	3993.5	1204	5197.5	190.5	190.5	271.5

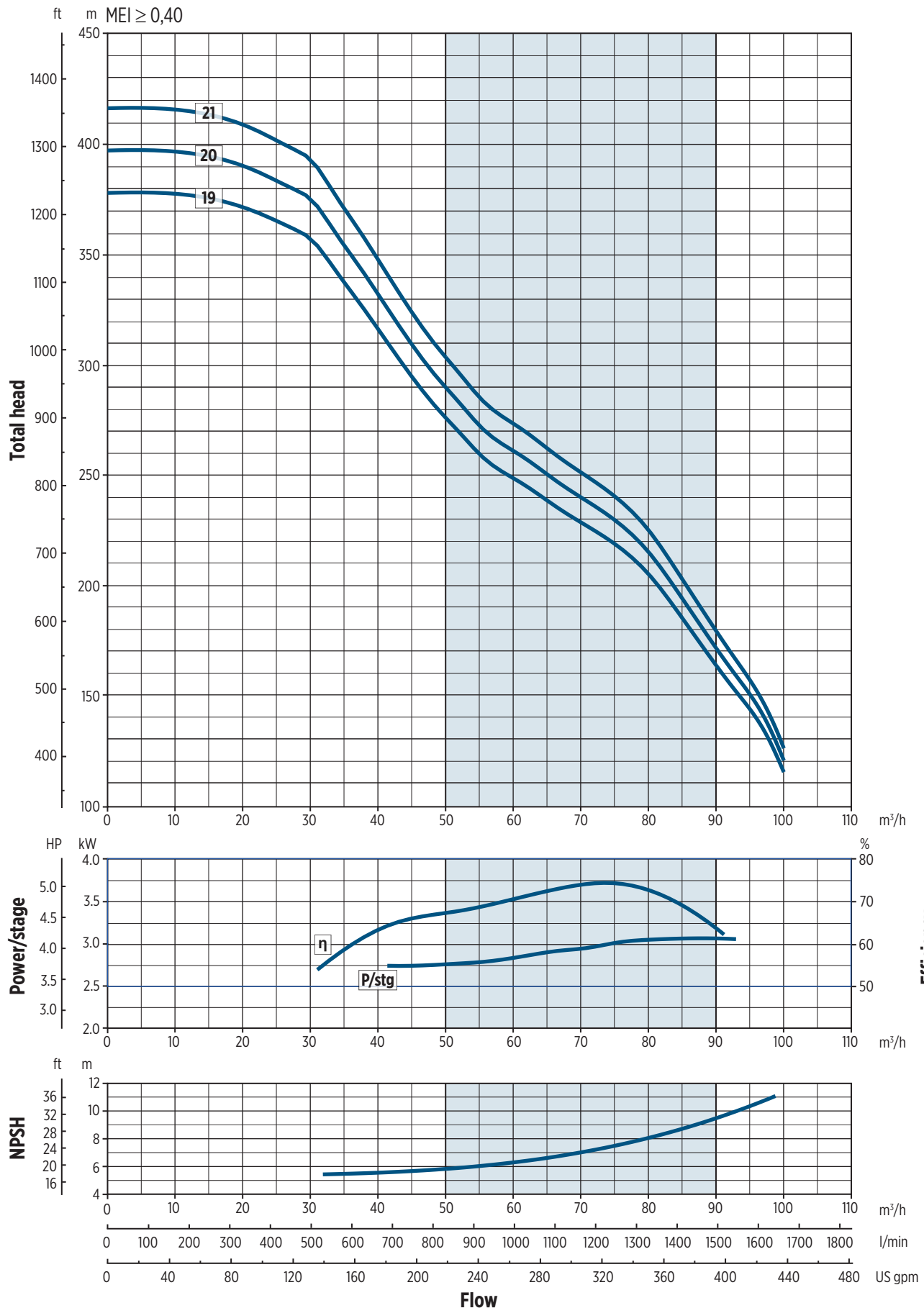
## PUMPS WITH REWINDABLE MOTOR

Stages	Motor		Dimensions [mm]						Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
27	RW8	55	75	3538	1340	4878	189	189	265
28		55	75	3652	1340	4992	189	189	267.5
29		55	75	3765.5	1340	5105.5	189	189	270
30		55	75	3879.5	1340	5219.5	189	189	272.5
31		55	75	3993.5	1340	5333.5	189	189	275.5



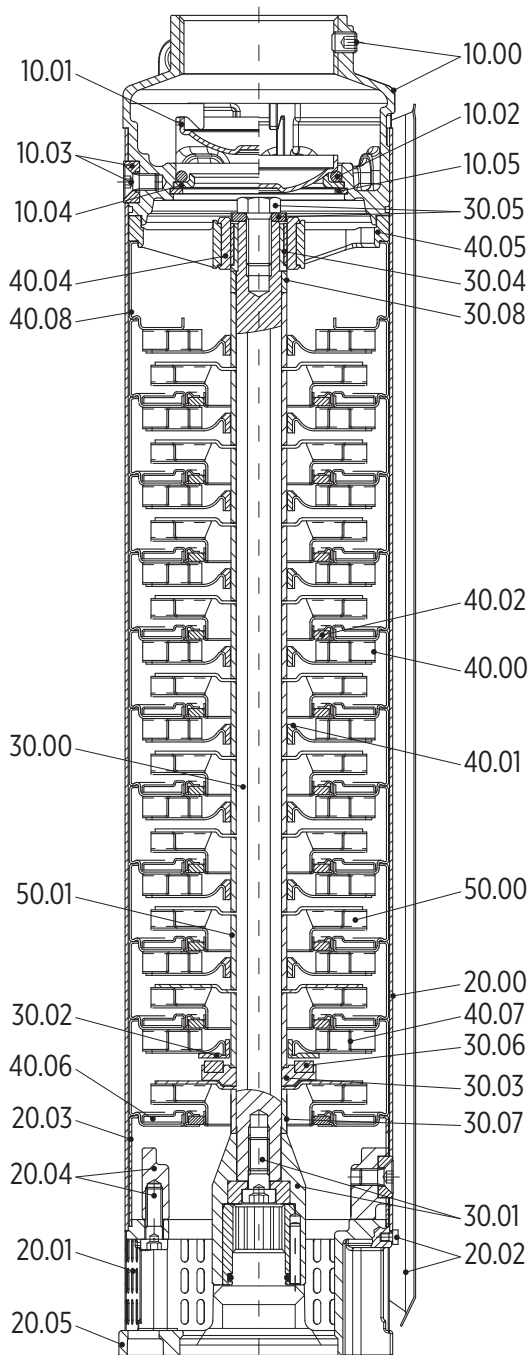
00150039 01/2017

# 65 SR HIGH PRESSURE - PERFORMANCE CURVES AT 60 Hz



# SPARE PARTS

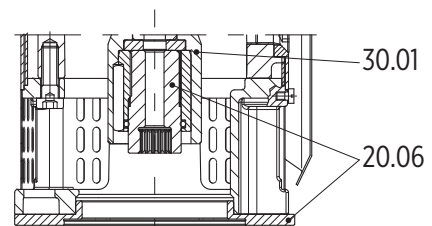
14 SR - 19 SR - 25\* SR



0030041EN 08/2017

Ref. No.	Parts description
10.00	Discharge head
10.01	Valve
10.04	
10.05	
10.02	Sealing O-ring
10.03	Outer case locking nuts
20.00	Outer case
20.01	Suction strainer
20.02	Cable guard and screws
20.03	Initial spacer
20.04	Flange
	Screws
20.05	Motor adapter
20.06	4" motor flange
	4" coupling adapter
30.00	Pump shaft
30.01	Coupling
30.02	Upper up-thrust washer
30.03	Lower up-thrust washer
30.04	Upper journal sleeve
30.05	Screw and washer
30.06	Up-thrust ring
30.07	Lower / Upper spacer
30.08	
40.00	Diffuser
40.01	Secondary bearing bush
40.02	Floating neck ring
40.04	Bearing bush
40.05	Upper bearing guide
40.06	First diffuser
40.07	Diffuser with upper up-thrust washer
40.08	Last diffuser
50.00	Impeller
50.01	Impeller spacer

## MOTOR ADAPTER 6x4

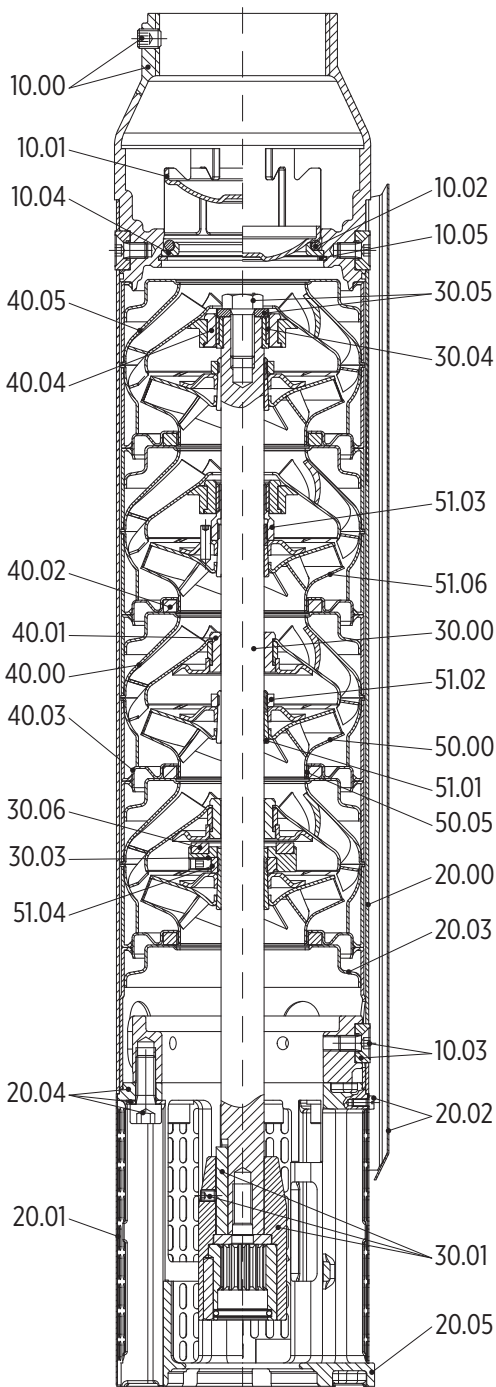


0030041EN 08/2017

\* IMPORTANT: 25 SR models only for sales out of EU or as a component of fire-fighting units

## SPARE PARTS

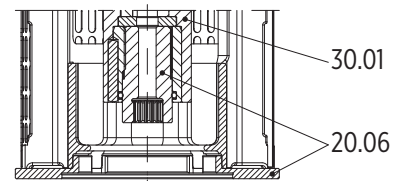
30 SR - 46 SR - 65 SR



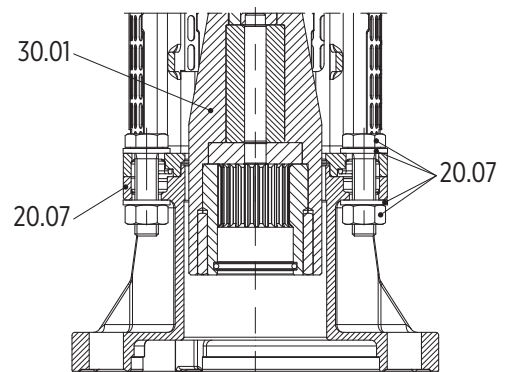
Ref. No.	Parts description
10.00	Discharge head
10.01	Valve
10.04	
10.05	
10.02	Sealing O-ring
10.03	Outer case locking nuts
20.00	Outer case
20.01	Suction strainer
20.02	Cable guard and screws
20.03	Initial spacer
20.04	Flange
20.05	Screws
20.06	Motor adapter
20.07	4" motor flange
20.07	4" coupling adapter
20.07	8" motor adapter
20.07	Bolts and washers
30.00	Pump shaft

Ref. No.	Parts description
30.01	Coupling
30.03	Lower up-thrust washer
30.04	Upper journal sleeve
30.05	Screw and washer
30.06	Up-thrust ring
40.00	Diffuser
40.01	Secondary bearing bush
40.02	Floating neck ring
40.03	Flange clamping neck ring
40.04	Bearing bush
40.05	Last - Intermediate diffuser
50.00	Wear ring
50.05	Impeller
51.01	Split cone
51.02	Split cone nut
51.03	Intermediate cone nut
51.04	Up-thrust split cone nut
51.06	Intermediate impeller with screw

**MOTOR ADAPTER 6x4**



**MOTOR ADAPTER 6x8**



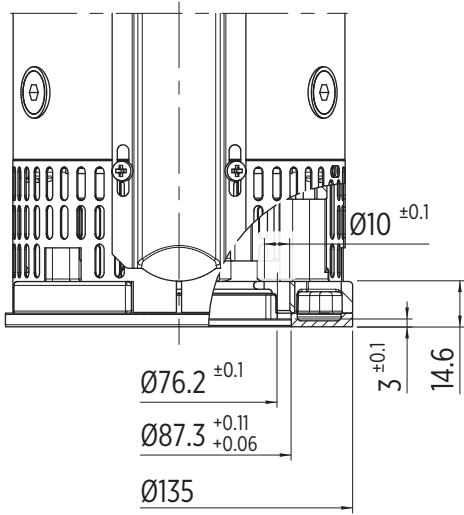
0030042EN 08/2017

0030042EN 08/2017

# MOTOR ADAPTER AND DIMENSIONS

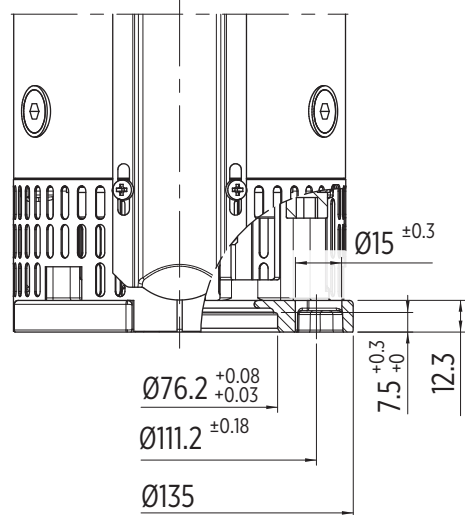
14 SR - 19 SR - 25\* SR

4" MOTOR ADAPTER FOR I AND N VERSION



0030054EN 08/2017

6" MOTOR ADAPTER FOR I AND N VERSION



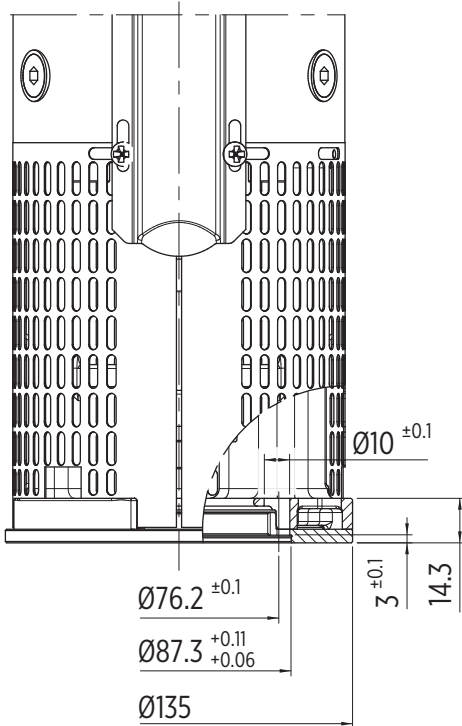
0030055EN 08/2017

\* IMPORTANT: 25 SR models only for sales out of EU or as a component of fire-fighting units

# MOTOR ADAPTER AND DIMENSIONS

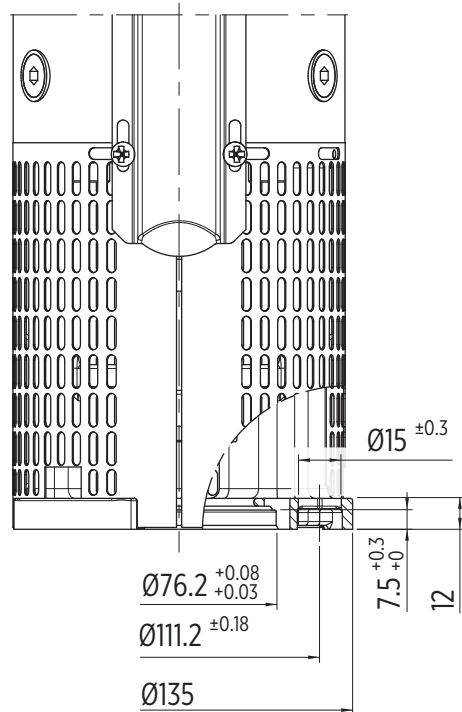
30 SR - 46 SR - 65 SR

4" MOTOR ADAPTER FOR I AND N VERSION



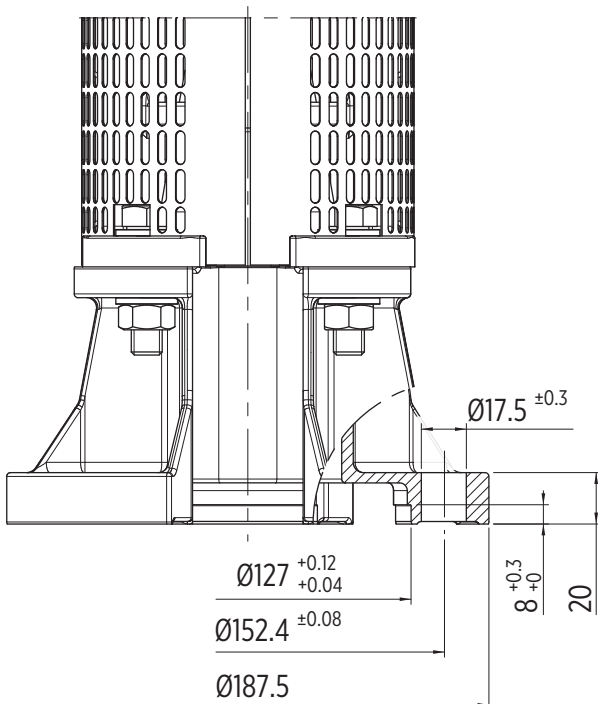
00330056EN 08/2017

6" MOTOR ADAPTER FOR I, N AND R VERSION

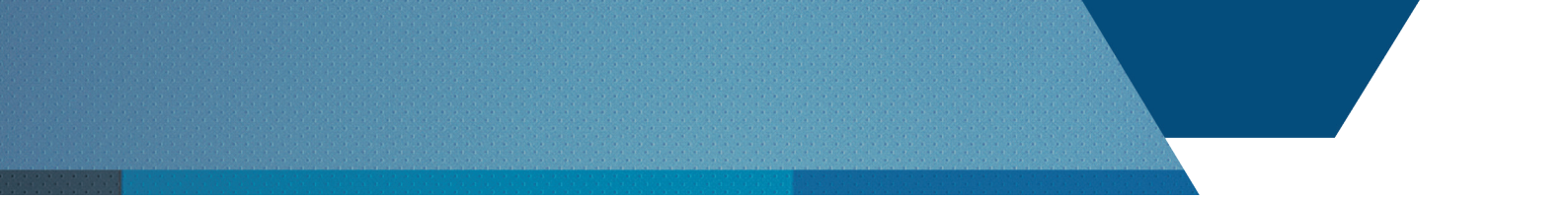


00330057EN 08/2017

8" MOTOR ADAPTER FOR I AND N VERSION



00330058EN 08/2017



# SR 8" Series

## 60 Hz

### 78 SR - 97 SR

# PRODUCT OVERVIEW

## APPLICATIONS

- Municipal water works
- Water Distribution and Pressure Boosting
- Irrigation, Sprinklers, Water treatment plants, Filtration and reverse osmosis
- Industrial cooling and processing
- Mining industry, Drainage and dewatering
- Fire-fighting equipment
- Fountains

## FEATURES

- Stainless steel components for durability and robustness, guaranteeing longevity and trouble-free operation. Many design technical features make this pump range very compact and extremely reliable, to ensure applications in the most complex and severe conditions.
- External stainless steel sleeve to improve stiffness and assure permanent alignment of all the components
- Motor adapter and discharge head may be removed without disturbing the impeller / diffuser stack
- Built-in check valve and over size pump shaft
- Easy maintenance without the need of special tools

## PUMP SPECIFICATION

- Flow: up to 160 m<sup>3</sup>/h at 60 Hz
- Head: up to 524 m (51 Bar) at 60 Hz
- Water temperature range:
  - Minimum: -5 °C
  - Maximum: +90 °C (+60 °C for NBR parts)
- Maximum allowable amount of sand 100 g/m<sup>3</sup>
- Rotation: counter clockwise when looking into the discharge
- Pump can work continuously in vertical or horizontal position

## MOTOR SPECIFICATION

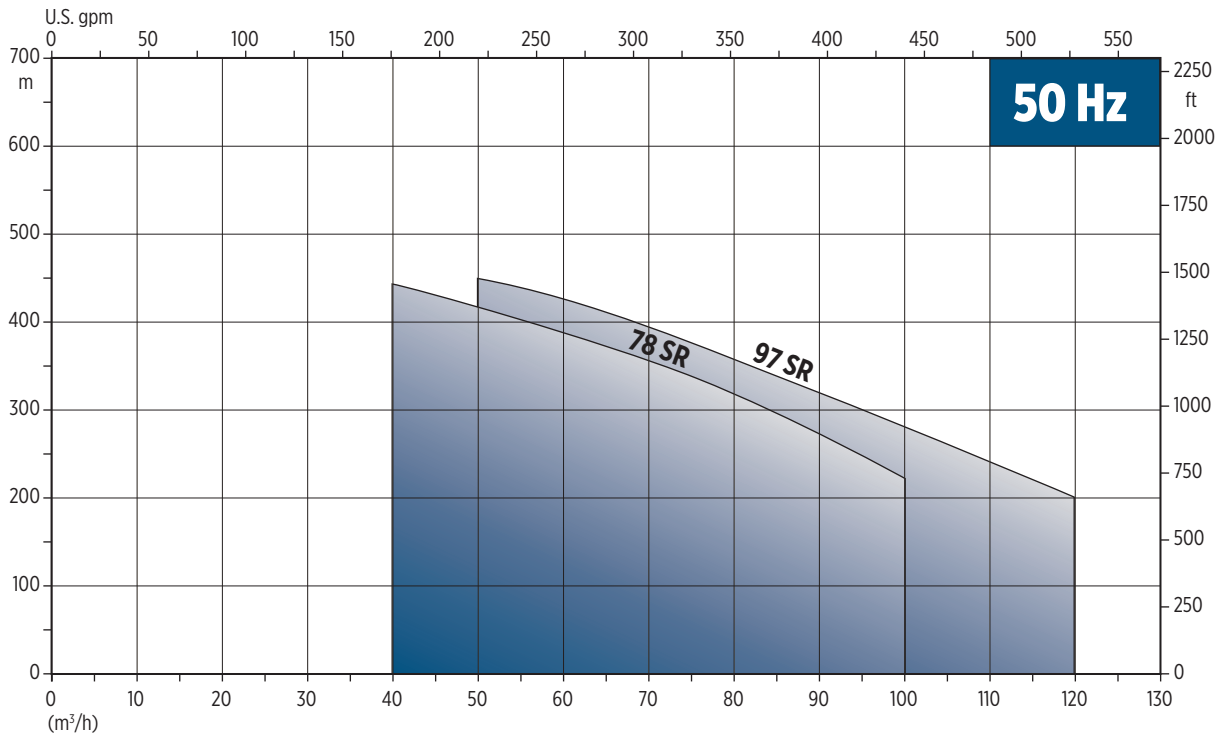
- Motor adapter in compliance with NEMA standard
- For more information consult the product catalog of Submersible motors

## AVAILABLE ON REQUEST

- Pump material:
  - 316 Stainless steel (N) version (DIN/EN 1.4401)
  - 904L (R) version (DIN/EN 1.4539)
- See specified material variant in Materials/fluids compatibility table on page 50
- Double cable guard
- Discharge heads:
  - Rp 4" for I and N versions
  - Rp 6" for R version
- Pump with NBR rubber parts

# PRODUCT OVERVIEW

## FAMILY CURVES



00150027 03/2018

## PUMP IDENTIFICATION CODE

78 SR 15 F 8 5 - 24 8 3 P HP:SD

- 78 SR 15 F 8 5 - 24 8 3 P HP:SD
- Nominal flow in m³/h
- Pump model
- Pump power: kWx10
- Material: F (AISI 304); S (AISI 316); R (AISI 904L)
- Pump size: 8 (8")
- Frequency: 50 (50 Hz); 60 (60 Hz)
- Number of stages
- Motor coupling dimension: 6 (6"); 8 (8")
- Discharge head dimensions: 2 (2"½); 3 (3"); 4 (4"); 5 (5")
- Pump speciality: P (Passivated); HP (High pressure); SD (Double cable guard)

00150024 06/2021

## PUMPS AND MOTORS RANGE

Type	Versions			Motor power range [kW]	
	F EN 1.4301	S EN 1.4401	R EN 1.4539	I / N	R
	78 SR	●	●	○	7.5 ÷ 93
97 SR	●	●	○	9.3 ÷ 110	30 ÷ 93

○ = Version available    ● = Version available only with 6" motor coupling

# PRODUCT OVERVIEW

## MATERIALS/FLUIDS COMPATIBILITY

Ref. No.	Parts description	Material	Standard					
			I Version		N Version		R Version	
			ASTM	DIN/EN	ASTM	DIN/EN	ASTM	DIN/EN
10.00	Discharge head	Stainless steel	CF8 (304)	14308	CF8M (316)	14408	CD4MCuN (904L)	14517
10.01	Valve	Stainless steel	316	14401	316	14401	2205/904L	1.4462/1.4460
10.02	Sealing O-ring	EPDM						
10.03	Outer case locking nuts	Stainless steel	316	14401	316	14401	2205	14462
10.04	Valve support	Stainless steel / PTFE	316	14401	316	14401	904L	14539
10.05	Seeger ring	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
20.00	Outer case	Stainless steel	304	1.4301	316	1.4401	2205	1.4462
20.01	Suction strainer	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
20.02	Cable guard and screws	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
20.03	Initial spacer	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
20.04	Flange	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	CD4MCuN (904L)	1.4517
	Screws		304	1.4301	316	1.4401	904L	1.4539
20.05	Motor adapter	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	CD4MCuN (904L)	1.4517
30.00	Pump shaft	Stainless steel	329	1.4460	329	1.4460	329	1.4460
30.01	Coupling	Stainless steel	431/329	1.4057/1.4460	316/329	1.4401/1.4460	2205/904L	1.4462/1.4539
30.02	Upper up-thrustwasher	Stainless steel	329	1.4460	329	1.4460	329	1.4460
30.03	Lower up-thrust washer	Stainless steel	329	1.4460	329	1.4460	329	1.4460
30.04	Upper journal sleeve <sup>(1)</sup>	Alluminum Oxide	Al2 O3 (99,7%)					
30.05	Screw and washer <sup>(1)</sup>	Stainless steel	316	1.4401	316	1.4401	904L/329	1.4539/1.4460
30.06	Up-thrust ring	PTFE + Graphite						
40.00	Diffuser	Stainless steel	304	1.4301	316	1.4401	904L	1.4539
40.01	Secondary bearing bush	EPDM						
40.02	Floating neck ring	PTFE						
40.03	Flange clamping neck ring	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
50.00	Impeller	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
51.01	Split cone	Stainless steel	316	1.4401	316	1.4401	329	1.4460
51.02	Split cone nut	Stainless steel	316	1.4401	316	1.4401	329	1.4460

1) only for types with more than 8 stages



# HYDRAULIC PERFORMANCE AT 60 HZ

## 78 SR

Stages	Vers. R	RATED POWER		Q = DELIVERY								
				m <sup>3</sup> /h 0	30	40	50	60	70	80	90	100
		[kW]	[HP]	l/min 0	500	666	833	1000	1166	1333	1500	1666
H = TOTAL METERS HEAD OF WATER COLUMN [m]												
2	•	7.5	10	40	38	35	32	30	29	24	20	18
3	•	11	15	60	55	51	49	45	41	36	30	24
4	•	15	20	80	74	70	65	60	55	49	41	32
5	•	18.5	25	99	92	88	81	75	69	60	51	41
6	•	22	30	119	110	104	98	89	81	71	60	49
7	•	30	40	139	130	122	114	105	96	85	72	58
8	•	30	40	159	149	140	131	120	110	98	82	67
9	•	30	40	180	168	158	147	135	123	110	92	73
10	•	37	50	197	183	172	160	148	134	119	100	79
11	•	37	50	216	202	190	176	162	148	130	110	87
12	•	45	60	248	232	219	205	189	172	153	131	106
13	•	55	75	269	252	237	221	205	188	168	142	115
14	•	55	75	289	271	256	239	220	201	180	153	123
15	•	55	75	309	290	274	255	235	215	192	165	132
16	•	75	100	332	311	294	275	252	231	208	177	143
17	•	75	100	352	330	312	291	269	246	220	188	151
18	•	75	100	373	350	330	309	284	260	232	198	161
19	•	75	100	394	370	348	325	300	275	245	210	170
20	•	75	100	415	389	368	343	316	290	259	220	179
21	•	75	100	436	409	385	360	331	304	271	231	189
22	•	93	125	457	428	404	378	347	320	284	243	198
23	•	93	125	478	446	421	394	362	332	297	254	207
24	•	93	125	498	467	440	411	379	348	310	265	216

• = Pump available in R version (AISI 904L)

## 97 SR

Stages	Vers. R	RATED POWER		Q = DELIVERY										
				m <sup>3</sup> /h 0	30	40	50	60	70	80	90	100	110	120
		[kW]	[HP]	l/min 0	500	666	833	1000	1166	1333	1500	1666	1833	2000
H = TOTAL METERS HEAD OF WATER COLUMN [m]														
2	•	9.3	12.5	42	41	39	36	32	30	29	26	22	19	15
3	•	15	20	63	60	58	53	49	45	42	39	33	29	21
4	•	18.5	25	84	81	77	71	65	60	57	51	45	38	30
5	•	22	30	104	101	95	88	80	74	69.5	62	55	46	37
6	•	30	40	127	122	115	107	98	90	84	77	68	57	46
7	•	30	40	148	143	135	123	115	106	99	90	79	68	52
8	•	37	50	168	160	151	140	130	120	110	100	88.5	74	59
9	•	37	50	188	180	170	158	147	133	124	113	99	83	66
10	•	45	60	219	211	200	185	172	159	148	137	120	103	82
11	•	55	75	241	232	220	204	189	175	162	149	132	113	91
12	•	55	75	262	253	240	221	207	191	178	162	143	123	99
13	•	55	75	284	275	260	241	223	207	191	177	155	132	108
14	•	75	100	309	297	282	261	242	226	209	191	169	145	121
15	•	75	100	330	319	303	280	260	240	222	205	181	155	130
16	•	75	100	352	340	322	299	279	258	238	220	194	165	139
17	•	75	100	373	361	342	319	294	272	252	232	207	176	147
18	•	93	125	398	382	363	337	313	289	268	247	219	188	155
19	•	93	125	419	403	382	354	330	305	282	260	230	197	164
20	•	93	125	440	423	404	372	347	320	298	273	241	208	171
21	•	93	125	462	445	422	391	363	337	312	289	255	219	171
22		110	150	484	466	442	410	381	353	328	301	267	229	190
23		110	150	507	487	463	430	399	370	341	315	279	239	199

• = Pump available in R version (AISI 904L)

# 78 SR - TECHNICAL DATA AT 60 Hz

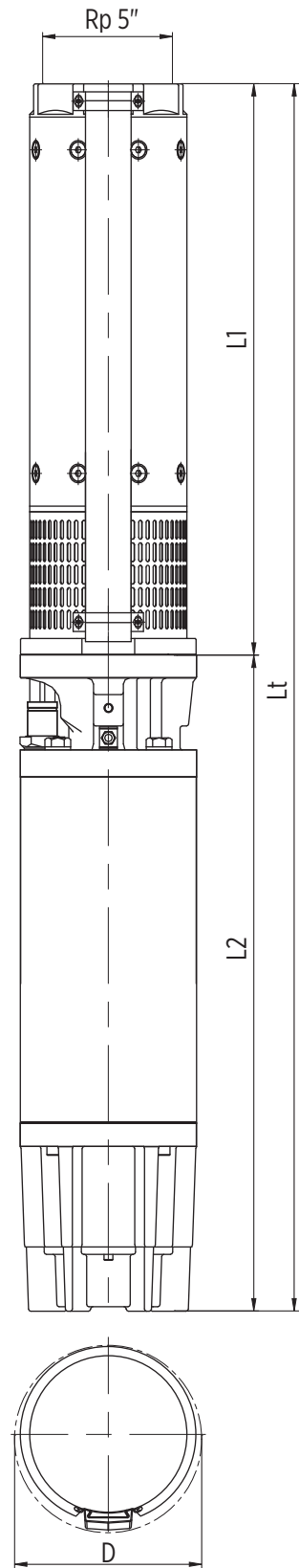
## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
2	E6	7.5	10	644	646	1290	188	194	77
3		11	15	770	711	1481	188	194	87
4		15	20	896	776	1672	188	194	57
5		18.5	25	1022	841.5	1863.5	188	194	109
6		22	30	1148	906.5	2054.5	188	194	120
7		30	40	1274	1036.5	2310.5	188	194	140
8		30	40	1400	1036.5	2436.5	188	194	145
9		30	40	1526	1036.5	2562.5	188	194	150
10		37	50	1652	1405	3057	188	194	206
11		37	50	1778	1405	3183	188	194	211
12		E8	45	60	1909	1077	2986	200	202
13	55		75	2035	1394	3429	200	202	259
14	55		75	2161	1394	3555	200	202	294
15	55		75	2287	1394	3681	200	202	299
16	75		100	2413	1496	3909	200	202	342
17	75		100	2539	1496	4035	200	202	347
18	75		100	2665	1496	4161	200	202	352
19	75		100	2791	1496	4287	200	202	357
20	75		100	2917	1496	4413	200	202	361
21	75		100	3043	1496	4539	200	202	366
22	93		125	3169	1748	4917	200	202	449
23	93		125	3295	1748	5043	200	202	454
24	93		125	3421	1748	5169	200	202	459

## PUMPS WITH REWINDABLE MOTOR

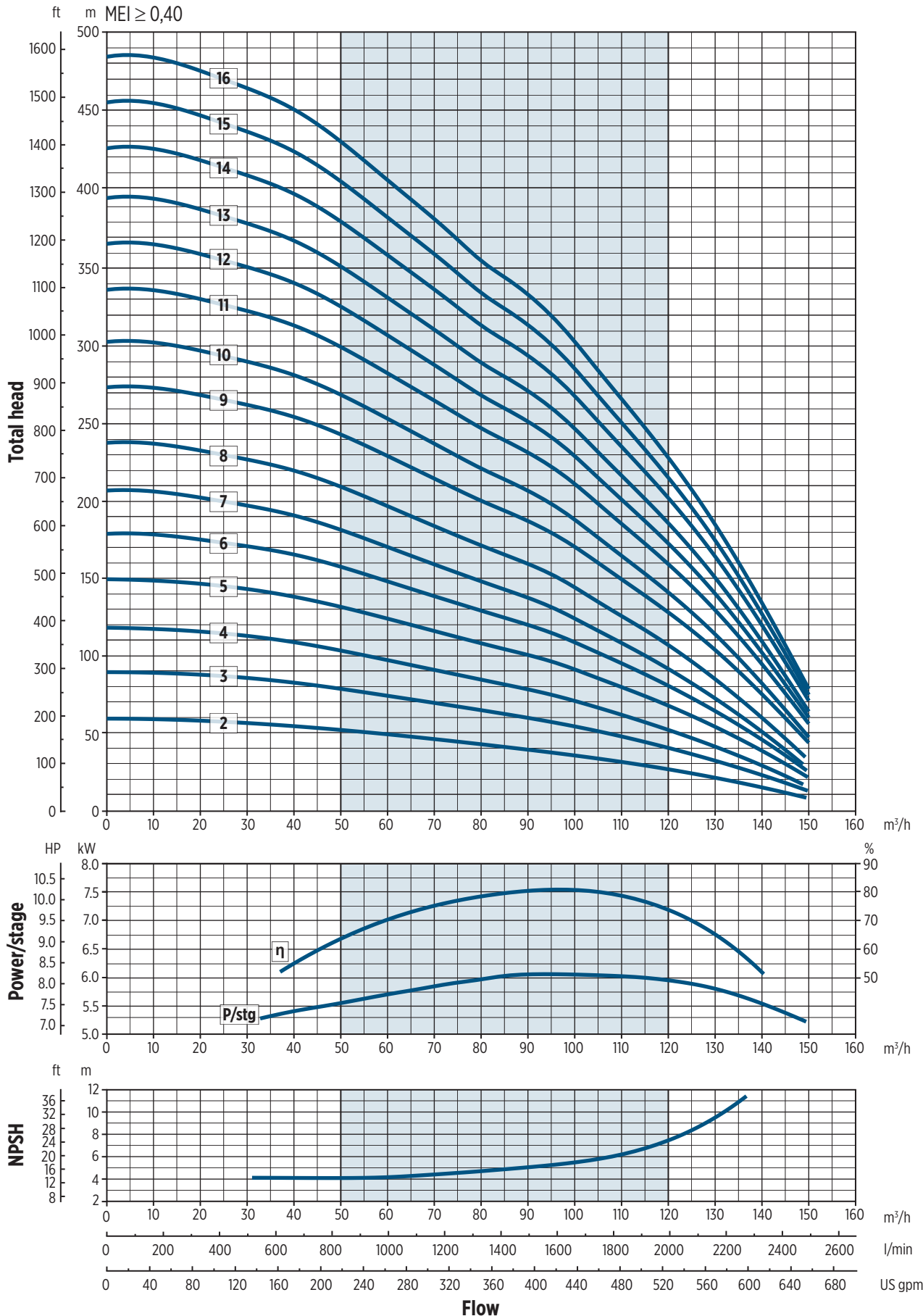
Stages	Vers. R	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
2	•	RW6	7.5	10	644	719	1363	188	194	82
3	•		11	15	770	779	1549	188	194	92
4	•		15	20	896	874	1770	188	194	96
5	•		18.5	25	1022	919	1941	188	194	116
5	•	RW8	30	40	1022	1140	2162	197	199.5	190
6	•		22	30	1148	1009	2157	188	194	130
6	•	RW8	30	40	1148	1140	2288	197	199.5	193
7	•		26	35	1274	1114	2388	188	194	146
7	•	RW8	30	40	1274	1140	2288	197	199.5	198
8	•		30	40	1400	1214	2614	188	194	161
8	•	RW8	30	40	1400	1140	2540	197	199.5	203
9	•		30	40	1526	1214	2740	188	194	166
9	•	RW8	30	40	1526	1140	2666	197	199.5	208
10	•		37	50	1652	1294	2946	188	194	178
10	•	RW8	37	50	1652	1140	2792	197	199.5	213
11	•		37	50	1778	1294	3072	188	194	183
11	•	RW8	37	50	1778	1140	2918	197	199.5	218
12	•		45	60	1909	1230	3139	197	199.5	238
13	•		52	70	2035	1340	3375	197	199.5	266
14	•		52	70	2161	1340	3501	197	199.5	271
15	•		55	75	2287	1340	3627	197	199.5	276
16	•		60	80	2413	1470	3883	197	199.5	300
17	•		67	90	2539	1470	4009	197	199.5	305
18	•		67	90	2665	1470	4135	197	199.5	310
19	•		75	90	2791	1560	4351	197	199.5	332
20	•		75	100	2917	1560	4477	197	199.5	336
21	•		75	100	3043	1560	4603	197	199.5	341
22	•		83	110	3169	1560	4729	197	199.5	378
23	•		83	110	3295	1560	4855	197	199.5	383
24	•		93	125	3421	1740	5161	197	199.5	388

• = Pump available in R version (AISI 904L)



00130060 09/2017

# 78 SR - PERFORMANCE CURVES AT 60 Hz



Efficiency

00T0166EN 09/2018

# 97 SR - TECHNICAL DATA AT 60 Hz

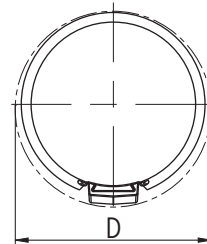
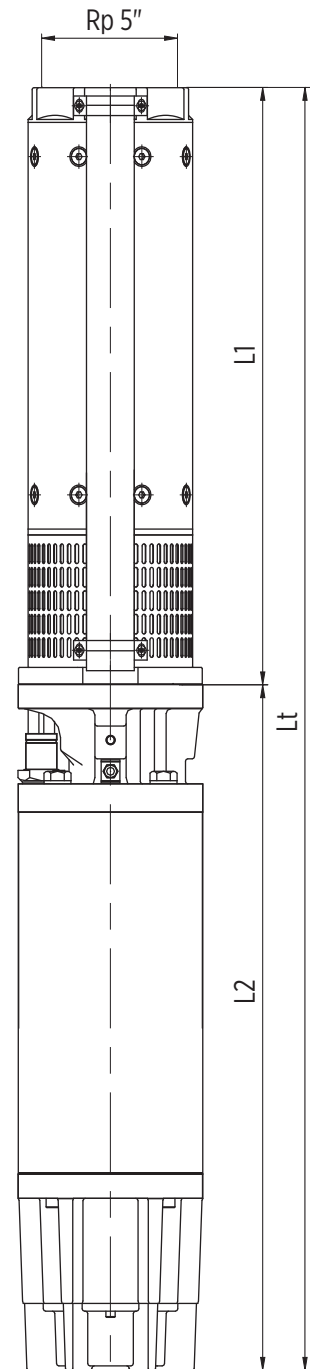
## PUMPS WITH ENCAPSULATED MOTOR

Stages	Motor			Dimensions [mm]					Pump weight [Kg]
	Type	[kW]	[HP]	L1	L2	Lt	D		
							1 cable	2 cables	
2	E6	9.3	12.5	644	678.5	1322.5	188	194	79
3		15	20	770	776	1546	188	194	93
4		18.5	25	896	841.5	1737.5	188	194	105
5		22	30	1022	906.5	1928.5	188	194	115.5
6		30	40	1148	1036.5	2184.5	188	194	135
7		30	40	1274	1036.5	2310.5	188	194	140
8		37	50	1400	1405	2805	188	194	196
9		37	50	1526	1405	2931	188	194	201
10		E8	45	60	1657	1077	2734	200	202
11	55		75	1783	1394	3177	200	202	279
12	55		75	1909	1394	3303	200	202	284
13	55		75	2035	1394	3429	200	202	289
14	75		100	2161	1496	3657	200	202	332
15	75		100	2287	1496	3783	200	202	337
16	75		100	2413	1496	3909	200	202	342
17	75		100	2539	1496	4035	200	202	346.5
18	93		125	2665	1748	4413	200	202	429.5
19	93		125	2791	1748	4539	200	202	434.5
20	93		125	2917	1748	4665	200	202	439
21	93		125	3043	1748	4791	200	202	444
22	110		150	3169	1976	5145	200	202	512
23	110		150	3295	1976	5271	200	202	517

## PUMPS WITH REWINDABLE MOTOR

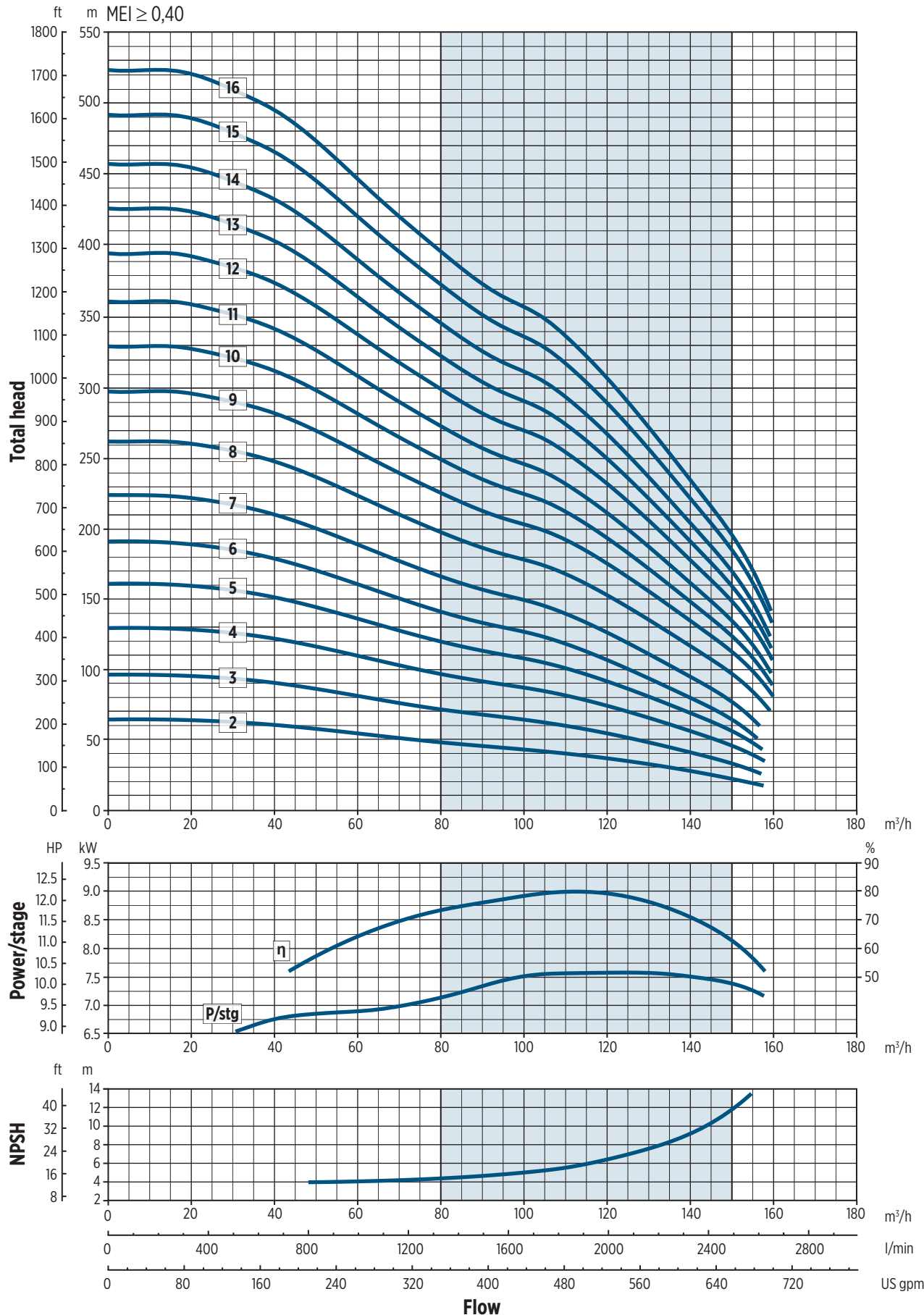
Stages	Vers. R	Motor			Dimensions [mm]					Pump weight [Kg]
		Type	[kW]	[HP]	L1	L2	Lt	D		
								1 cable	2 cables	
2	•	RW6	9.3	12.5	644	749	1393	188	194	84.5
3	•		13	17.5	770	829	1599	188	194	97.5
4	•		18.5	25	896	919	1815	188	194	111.5
5	•		22	30	1022	1009	2031	188	194	125
5	•	RW8	30	40	1022	1140	2162	197	199.5	188
6	•		RW6	26	35	1148	1114	2262	188	194
6	•	RW8	30	40	1148	1140	2288	197	199.5	193
7	•	RW6	30	40	1274	1214	2488	188	194	156
7	•		RW8	30	40	1274	1140	2414	197	199.5
8	•	RW6	37	50	1400	1294	2694	188	194	168
8	•		RW8	37	50	1400	1140	2540	197	199.5
9	•	RW6	37	50	1526	1294	2820	188	194	173
9	•		37	50	1526	1140	2666	197	199.5	208
10	•	RW8	45	70	1657	1230	2887	197	199.5	228
11	•		52	70	1783	1340	3123	197	199.5	256
12	•		52	75	1909	1340	3249	197	199.5	261
13	•		55	90	2035	1340	3375	197	199.5	266
14	•		67	90	2161	1470	3631	197	199.5	290
15	•		67	90	2287	1470	3757	197	199.5	295
16	•		75	100	2413	1560	3973	197	199.5	317
17	•		75	100	2539	1560	4099	197	199.5	321.5
18	•		83	110	2665	1560	4225	197	199.5	358.5
19	•		83	110	2791	1560	4351	197	199.5	363.5
20	•		93	125	2917	1740	4657	197	199.5	368
21	•		93	125	3043	1740	4783	197	199.5	373

• = Pump available in R version (AISI 904L)



0030060 09/2017

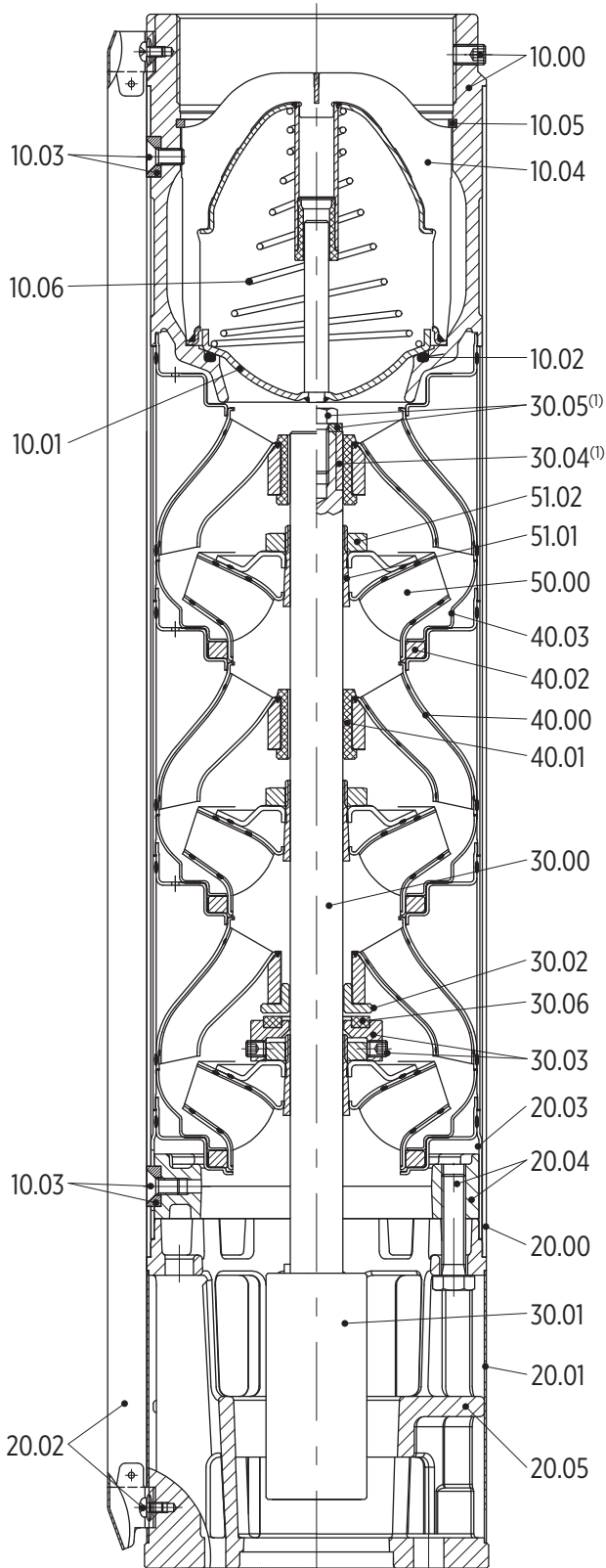
# 97 SR - PERFORMANCE CURVES AT 60 Hz



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

# SPARE PARTS

78 SR - 97 SR



Ref. No.	Parts description
10.00	Discharge head
10.01	Valve
10.02	Sealing O-ring
10.03	Outer case locking nuts
10.04	Valve support
10.05	Seeger ring
20.00	Outer case
20.01	Suction strainer
20.02	Cable guard and screws
20.03	Initial spacer
20.04	Flange
	Screws
20.05	Motor adapter
30.00	Pump shaft
30.01	Coupling
30.02	Upper up-thrustwasher
30.03	Lower up-thrust washer
30.04	Upper journal sleeve (1)
30.05	Screw and washer (1)
30.06	Up-thrust ring
40.00	Diffuser
40.01	Secondary bearing bush
40.02	Floating neck ring
40.03	Flange clamping neck ring
50.00	Impeller
51.01	Split cone
51.02	Split cone nut

1) only for types with more than 8 stages

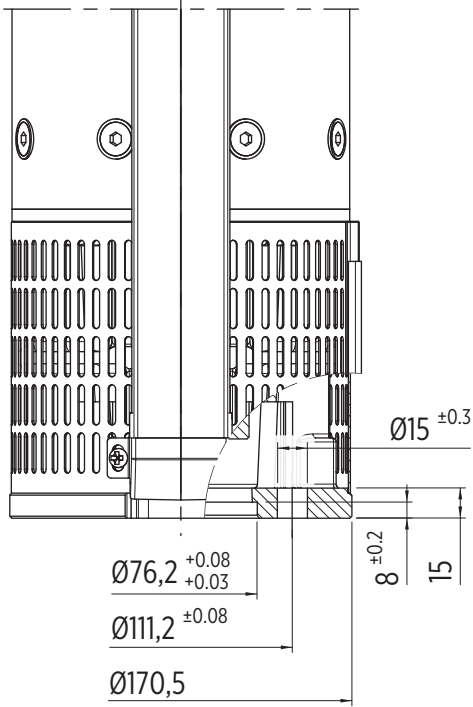
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# MOTOR ADAPTER AND DIMENSIONS

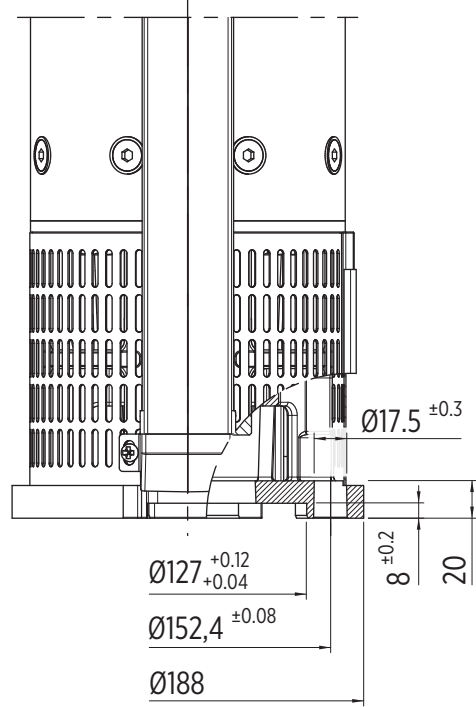
78 SR - 97 SR

4" MOTOR ADAPTER FOR I AND N VERSION



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6" MOTOR ADAPTER FOR I, N AND R VERSION



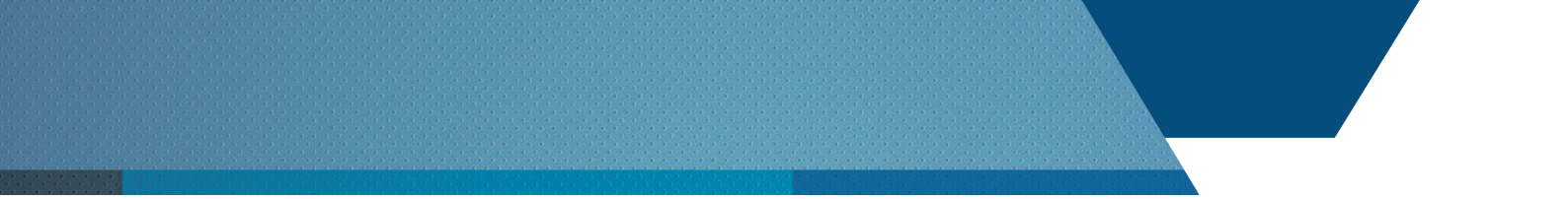
001306GZEN 09/2017

## CATALOG REVISION CHANGES NOTICE

Rev. No.	Changes	Page
01	Deleted section "Motor and Accessories"	60 - 82 (REV. 00)
02	Added notes for 4" motor adapter	4, 48
	Updated general descriptions	4, 5, 6, 48
	Updated "Pump identification code"	5, 49
	Updated "Material/fluids compatibility" tables	6, 50
	Updated "Spare parts" list (SR 6")	42, 43
	Added 25 SR model	9, 24, 42, 44











**Franklin Electric**

Franklin Electric Europa GmbH  
Rudolf-Diesel-Str. 20 - 54516 Wittlich  
GERMANY  
Phone: +49 (0) 6571 - 105-0  
Fax: +49 (0) 6571 - 105-510  
Email: [info@franklin-electric.de](mailto:info@franklin-electric.de)

Franklin Electric S.r.l.  
Via Asolo, 7 - 36031 Dueville (Vicenza)  
ITALY  
Phone: +39 0444 361114  
Fax: +39 0444 365247  
Email: [sales.it@fele.com](mailto:sales.it@fele.com)



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