

KSB Ref:

Project:

Tag Nr:

Technical Data Sheet

Etanorm 100-080-160
NEW S RWD



Operational data

Fluid	Water, pure	Nominal flow	126.00 m³/h
Operating temperature t A	20 °C	Nominal head	12 m
Density at t A	0.998 kg/dm³	Static head	0 m
Vapor pressure	0.022 bar	Available system NPSH	
Kin. viscosity at t A	1 mm²/s		

Pump

Manufacturer	KSB SA	Flow	Nominal	126.3 m³/h
Pump name	Etanorm 100-080-160	Head	Nominal	12.1 m
Impeller Ø	174 mm	Head H(Q=0)		15.0 m
Suction port	Nominal size	100 mm	NPSH 3%	2.83 m
	Nominal pressure	16 bar	Shaft power	4.77 kW
	Standard	EN 1092-2/DIN 2532	Efficiency	86.862 %
Discharge port	Nominal size	80 mm	Speed	1800 1/min
	Nominal pressure	16 bar	No. of stages	1
	Standard	EN 1092-2/DIN 2532	Weight	53 kg
Bearing version				
Bearing lubrication	Oil			
Sand Rotation Brake				

Shaft seal

Manufacturer	KSB SA	Material code	Shaft seal: Q1Q1X4GG
Type	Etanorm		

Materials

Pump			Shaft seal	
Volute Casing	Cast Iron		Fixed Face	Silicon
Impeller	Cast Iron		Rotating Face	Silicon
Shaft	Chrome Steel		Joint	Nitrile
Shaft Sleeve	316 St Steel		Springs	Cr-Ni-Mo
Wear Ring	Cast Iron		Frame	Cr-Ni-Mo

Motor

Manufacturer		Rated current	A
Motor type		Efficiency	%
Motor name		Power factor	
Size		Protection	
Frequency	Hz	Design standard	
Power	kW	Insulation class	
Nominal speed	1/min	Weight	
Rated voltage	V		

Coupling

Manufacturer		Spacer length	
Coupling type			
Coupling name			

Baseplate

Type		Size	
Anti Vibration		Weight	

* accessories listed on price list

New Pump Meter now available - Speak to one of our sales representatives for further details.



Date: 2019-11-18

KSB Ref:

Project:

Tag Nr:

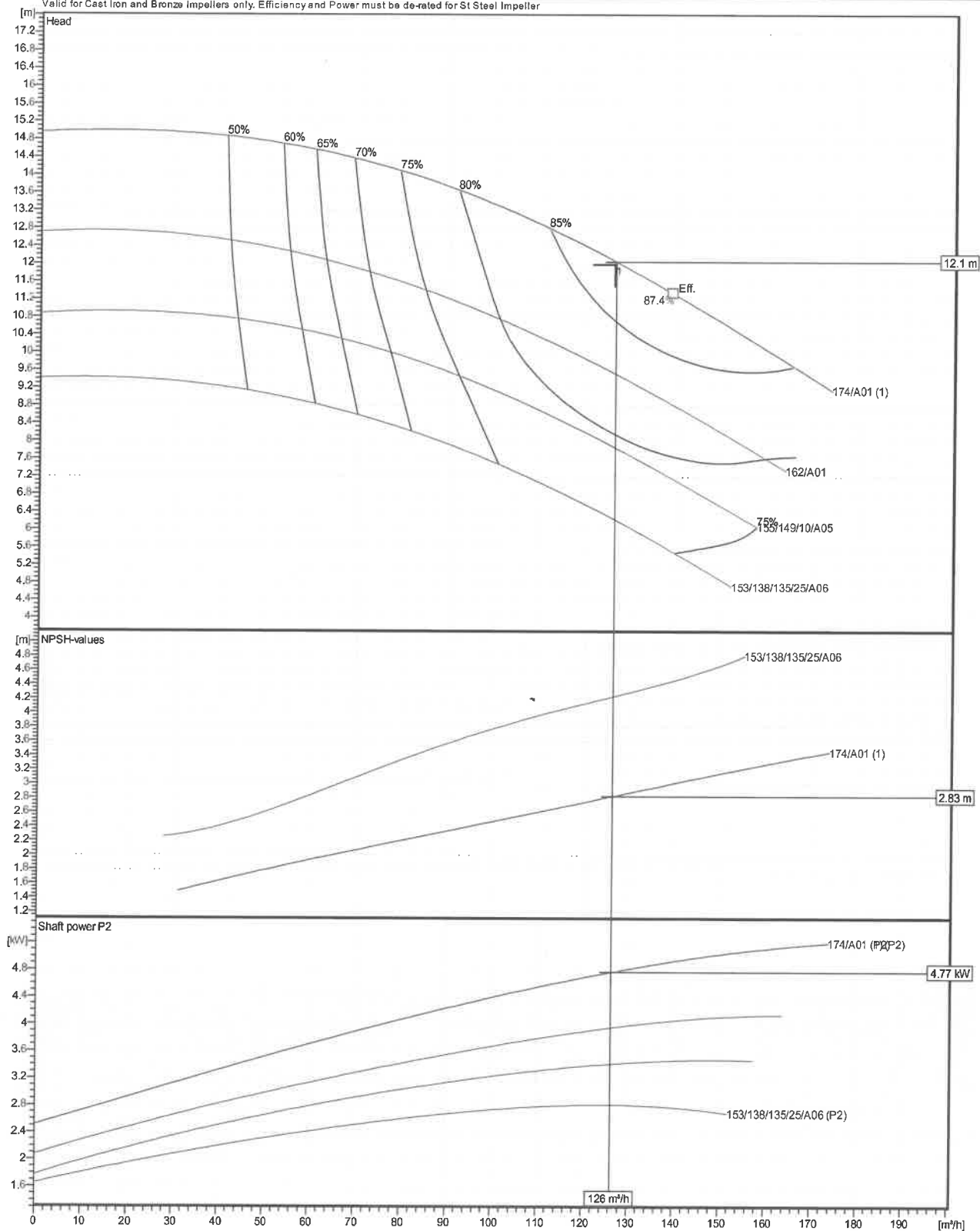
Performance Curve**Etanorm 100-080-160**

Flow: 126.3 m³/h
Head: 12.1 m
NPSHr: 2.8 m
Efficiency: 86.9 %

Imp Dia: 174 mm
Operating Speed: 1800 1/min
Power Abs: 4.8 kW
Motor Size:

Pumped Fluid: Water, pure
Operating temp: 20
Density: 1.00 kg/dm³
Stages: 1

Valid for Cast Iron and Bronze impellers only. Efficiency and Power must be de-rated for St Steel Impeller



K1311.452/40/2

Date: 2019-11-18

KSB Ref: Mathimba Power Water Transfer Pump
Project:
Tag Nr:

Technical Data Sheet

Etanorm 100-080-200
NEW N RWD



Operational data

Fluid	Water	Nominal flow	126.00 m³/h
Operating temperature t A	20 °C	Nominal head	20 m
Density at t A	0.998 kg/dm³	Static head	0 m
Vapor pressure	0.022 bar	Available system NPSH	
Kin. viscosity at t A	1 mm²/s		

Pump

Manufacturer	KSB SA	Flow	Nominal	126.5 m³/h
Pump name	Etanorm 100-080-200	Head	Nominal	20.1 m
Impeller Ø	212 mm	Head H(Q=0)		24.0 m
Suction port	Nominal size	100 mm	NPSH 3%	2.61 m
	Nominal pressure	16 bar	Shaft power	8.25 kW
	Standard	EN 1092-2/DIN 2532	Efficiency	84.1 %
Discharge port	Nominal size	80 mm	Speed	1800 1/min
	Nominal pressure	16 bar	No. of stages	1
	Standard	EN 1092-2/DIN 2532	Weight	63 kg
Bearing version				
Bearing lubrication	Oil			
Sand Rotation Brake				

Shaft seal

Manufacturer	KSB SA	Material code	Shaft seal: Q1Q1X4GG
Type	Etanorm		

Materials

Pump			Shaft seal	
Volute Casing	Cast Iron		Fixed Face	Silicon
Impeller	Cast Iron		Rotating Face	Silicon
Shaft	Carbon Steel		Joint	Nitrile
Shaft Sleeve	316 St Steel		Springs	Cr-Ni-Mo
Wear Ring	Cast Iron		Frame	Cr-Ni-Mo

Motor

Manufacturer		Rated current	full load	A
Motor type		Efficiency		%
Motor name		Power factor		
Size		Protection		
Frequency	Hz	Design standard		
Power	kW	Insulation class		
Nominal speed	1/min	Weight		
Rated voltage	V			

Coupling

Manufacturer		Spacer length	
Coupling type			
Coupling name			

Baseplate

Type		Size	
Anti Vibration		Weight	



* accessories listed on price list

New Pump Meter now available - Speak to one of our sales representatives for further details.

Date: 2019-11-05

KSB Ref: Mathimba Power Water Transfer Pump

Performance Curve



Project:

Tag Nr:

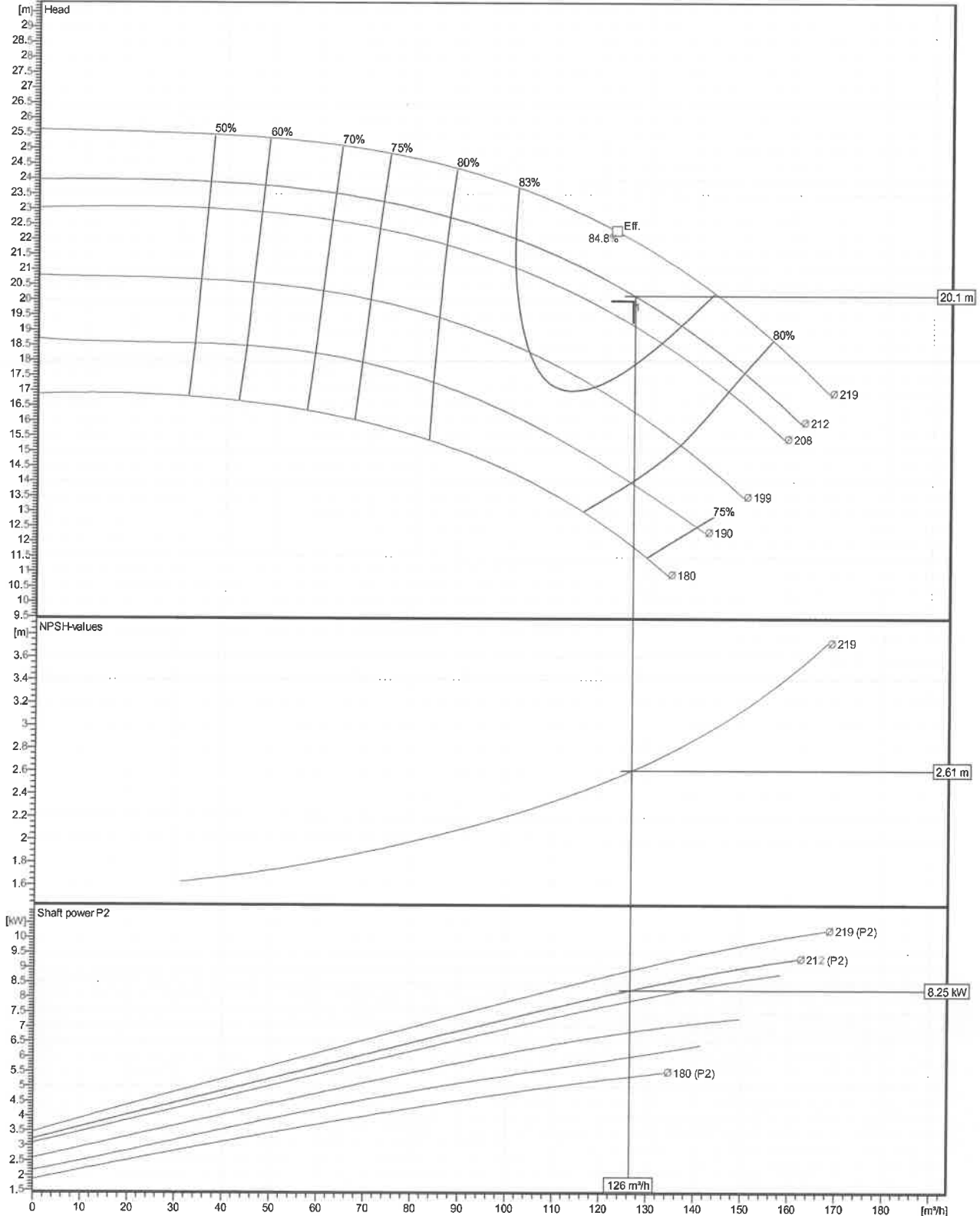
Etanorm 100-080-200

Flow: 126.5 m³/h
Head: 20.1 m
NPSHr: 2.6 m
Efficiency: 84.1 %

Imp Dia: 212 mm
Operating Speed: 1800 1/min
Power Abs: 8.2 kW
Motor Size:

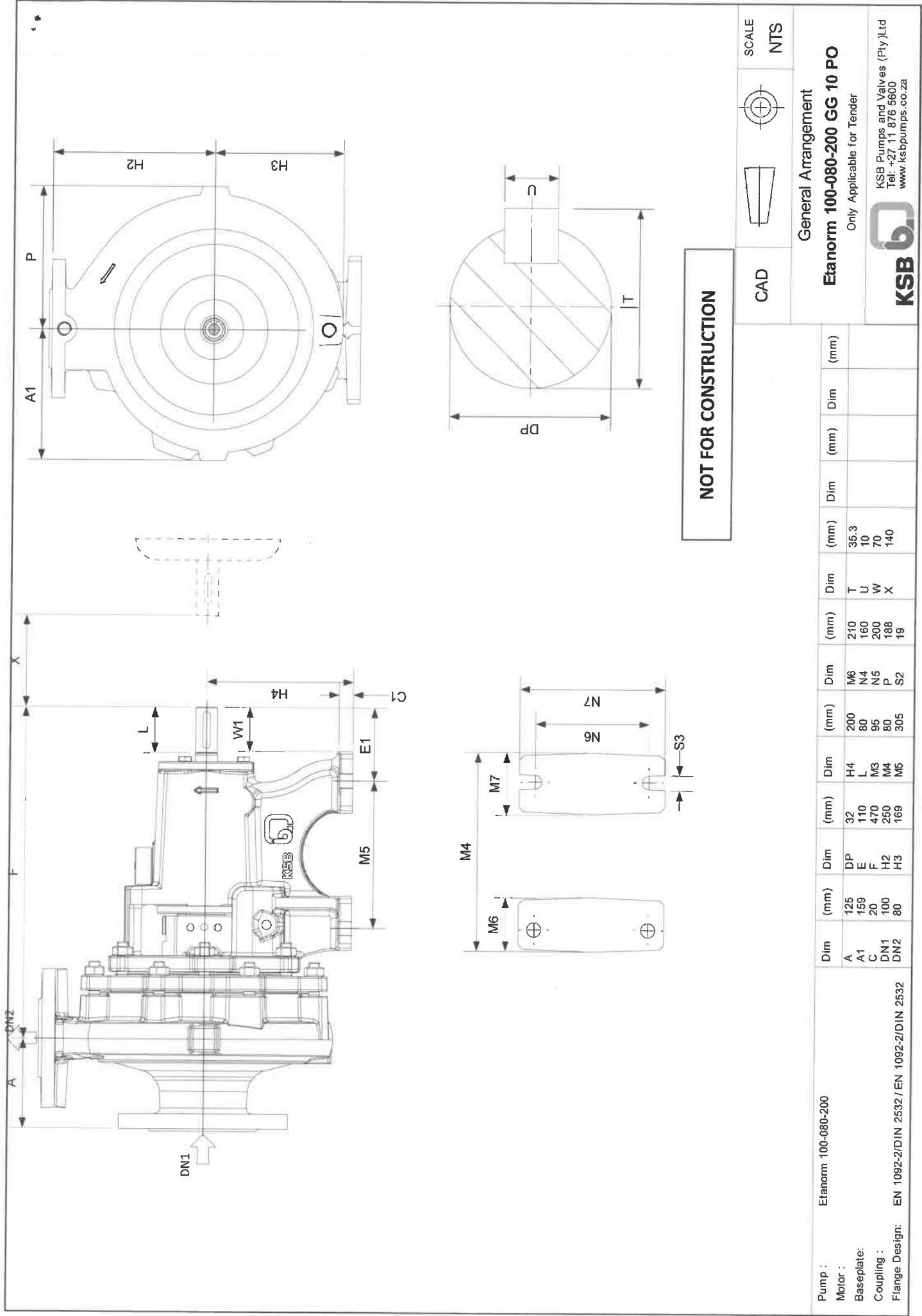
Pumped Fluid: Water
Operating temp: 20
Density: 1.00 kg/dm³
Stages: 1

Valid for Cast Iron and Bronze Impellers only. Efficiency and Power must be de-rated for St Steel Impeller



K1311.452/41/2

Date: 2019-11-05



NOT FOR CONSTRUCTION

CAD		SCALE	NTS
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General Arrangement	
Etanorm 100-080-200 GG 10 PO	
Only Applicable for Tender	
KSB Pumps and Valves (Pty) Ltd Tel: +27 11 876 5600 www.ksbpumps.co.za	

Pump :	Etanorm 100-080-200											
Motor :												
Baseplate:	A	125	DP	32	H4	200	M6	210	Dim	35.3	Dim	(mm)
Coupling :	A1	159	E	110	L	80	N4	160	U	10	W	70
Flange Design:	C	20	F	470	M3	95	N5	200	X	140		
	DN1	100	H2	250	M4	80	P	188				
	DN2	80	H3	169	M5	305	S2	19				

IRRIGATION PUMPHOUSE

KSB Ref: Project: Tag Nr:	Technical Data Sheet WKLn 80	
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Operational data

Fluid	Water, pure	Nominal flow	110.00 m³/h
Operating temperature t A	20 °C	Nominal head	150 m
Density at t A	0.998 kg/dm³	Static head	0 m
Vapor pressure	0.0234 bar	Available system NPSH	
Kin. viscosity at t A	1 mm²/s		

Pump

Manufacturer	KSB SA	Flow	Nominal	110.4 m³/h
Pump name	WKLn 80	Head	Nominal	151.2 m
Impeller Ø	210 mm	Head H(Q=0)		200.0 m
Suction port	Nominal size	NPSH 3%		5.57 m
	Nominal pressure	Shaft power		62.59 kW
	Standard	Efficiency		72.6 %
Discharge port	Nominal size	Speed		2900 1/min
	Nominal pressure	No. of stages		3
	Standard	Weight		129 kg

Shaft seal

Manufacturer	Material code	
Type		

Materials

	Pump	Shaft seal	
Volute Casing	Cast Iron	Wear Ring	Cast Iron
Impeller	Cast Iron		
Shaft	Carbon Steel		
Shaft Sleeve	Cast Iron		
Seal	Packed Gland		
Diffuser	Cast Iron		

Motor

Manufacturer	Rated current	* full load	A
Motor type	Efficiency		%
Motor name	Power factor		
Size	Protection		
Frequency	Hz	Design standard	
Power	kW	Insulation class	
Nominal speed	1/min	Weight	
Rated voltage	V		

Coupling


Manufacturer	Spacer length	
Coupling type		
Coupling name		

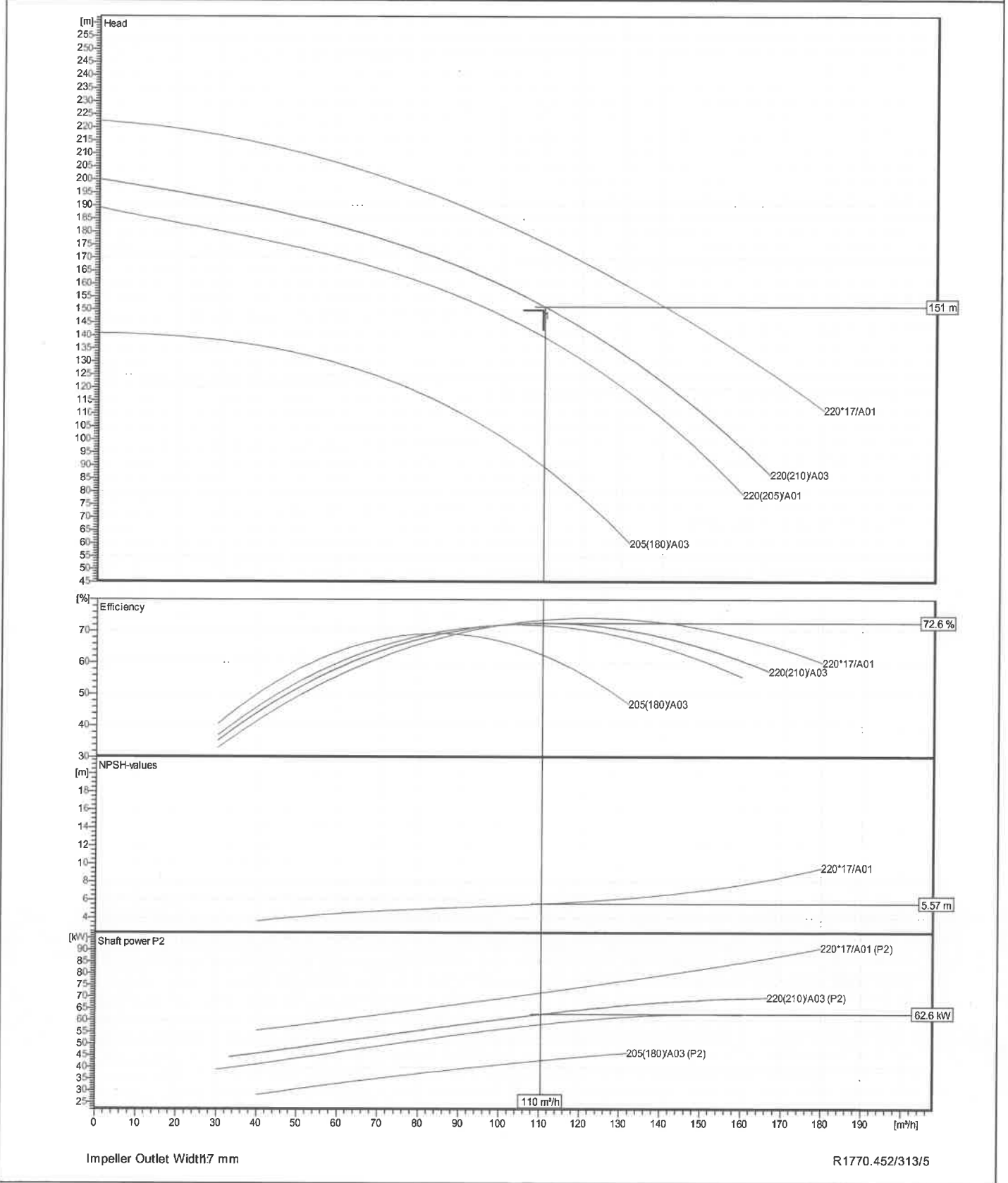
Baseplate

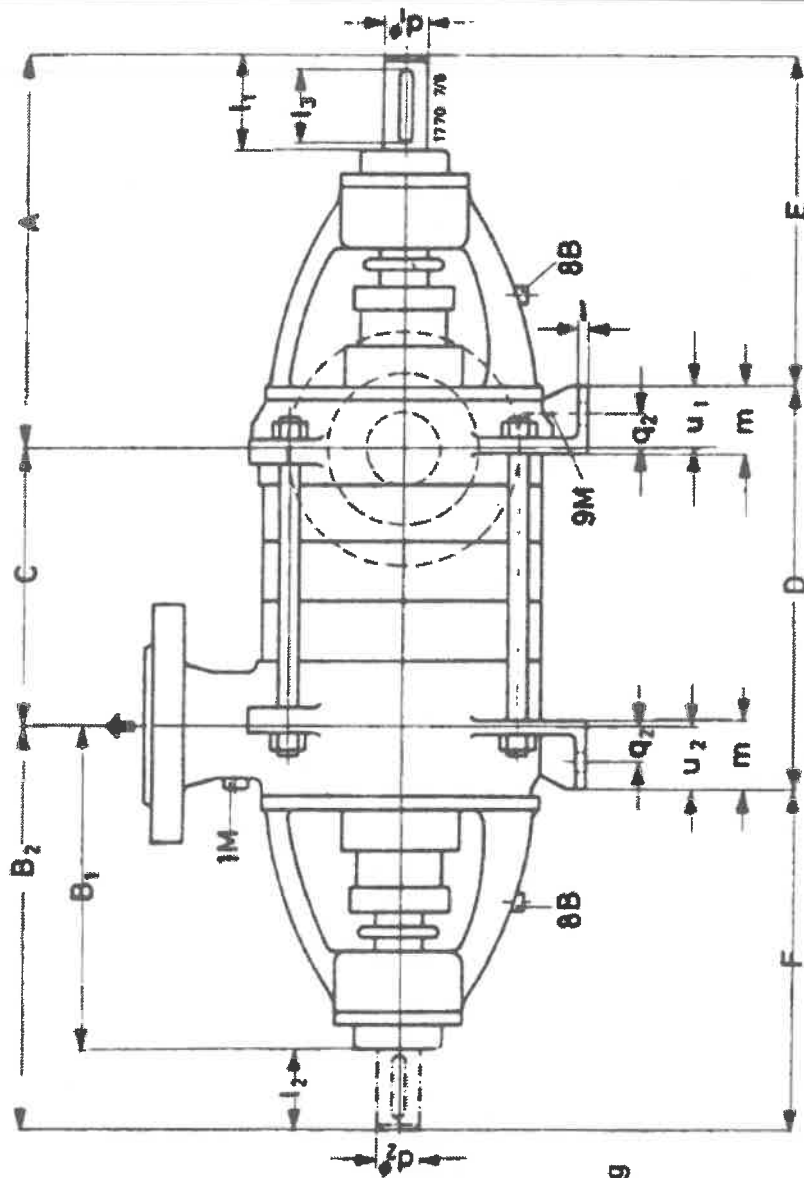
Type	Size	
Anti Vibration	Weight	

Remarks

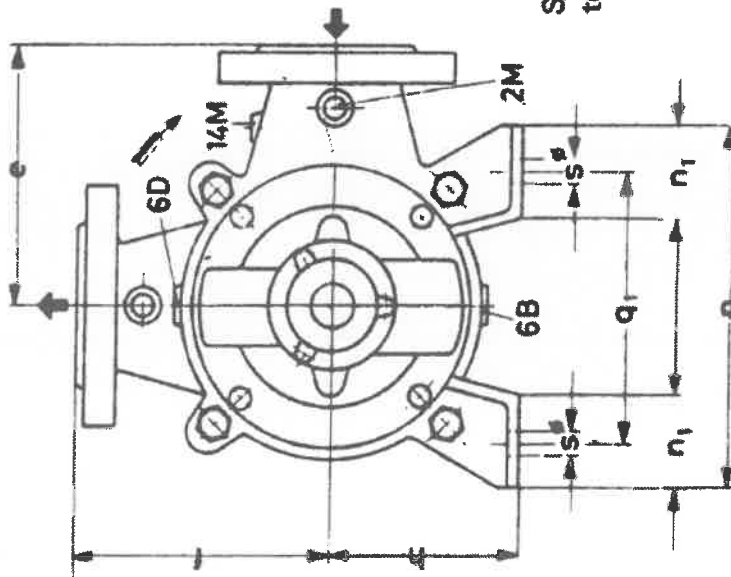
* accessories listed on price list

























































































KSB Ref:	Performance Curve	
Project:		
Tag Nr:		
Flow: 110.4 m³/h Head: 151.2 m NPSHr: 5.6 m Efficiency: 72.6 %	Imp Dia: 210 mm Operating Speed: 2900 1/min Power Abs: 62.6 kW Motor Size:	Pumped Fluid: Water, pure Operating temp: 20 Density: 1.00 kg/dm³ Stages: 3





Stub shaft according
to DIN 6885



CAD				SCALE		NTS	
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							

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