

Data sheet



Customer item no.:
Communication dated:
Doc. no.:
Quantity: 1

Number: ES 5628098
Item no.: 100
Date: 23/01/2018
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Amaprop J 189-1000/234 ZRG

Version no.: 1

Design

Max. temperature	60.0 °C	Type (propeller side)	Cartridge with covered multi-spring arrangement
weight	351 kg	Material code (propeller side)	SIC/SIC/FPM
Type	Amaprop J 189 - 1000/ 23 4	Ex protection	Yes
Execution of drive	Gear	Description	Explosion protection to ATEX II 2 G Ex dc IIB T3
Number of blades	2	Norm	Explosion protection to ATEX II2G
Propeller diameter	1000.0 mm	Device category	T3
Propeller speed	189 rpm	Temperature classes	Without
Absorbed power P1 at operating point based on pure water	14.10 kW	aggregate	355.5
Shaft seal	2 mech. seals in tandem arrangement with oil reservoir	additional leakage control	
Sealing plan	T Tandem mechanical seal	Weight	
Manufacturer	KSB		

Motor

FI operation permitted	Yes (acc. motor manufacturer)	Winding	400 / 690 V
Driver type	Electric motor	Poles	4
Motor manufacturer	KSB	Starting mode	Direct/Star-delta possible
Motor generation	R	Starting mode	
Motor supplied by	Standard motor supplied by KSB - mounted by KSB	Connection mode	Delta
Rated voltage	400 V	Cooling method	Surface cooling
Frequency	50 Hz	Motor version	Z
Motor speed	1400 rpm	Operation with Frequency Inverter.	No
Rated power	16.00 kW	Cable design	Rubber hose
Rated current	32.3 A	Cable entry	Sealed along entire length
Starting current ratio	7.1	Sales description power cable	S1BN8-F 7G6+5x1.5
Insulation class	F to IEC 34-1	Number of power cables	1
Type of protection	Exd II B	Motor moisture sensor	1
Motor enclosure	IP68	Cable length	15.00 m
Temperature classes	T3	Number of additional cable support including catch hook	0
Temperature sensor	PTC resistor		

Material variant

Axial propeller (ECB)	Ductile cast iron EN-GJS-400-15	Motor housing	Grey cast iron EN-GJL-250
Gear casing	Grey cast iron EN-GJL-250	Shaft	Chrome steel 1.4122+QT750
Jet pipe	Without	Studs	A4
Gasket	FKM 80		

Nameplates

Nameplates language	International	Duplicate nameplate	With
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Installation parts

Scope of supply	Mixer without installation parts	Additional fastening set	Without
Type of Installation	Universal Instalation (Accessories 22)	lower holder	Without
Holder for square guide rail	Yes	Number of center supports	0
Claw material	Grey cast iron EN-GJL-250	Adapter for tilt adjustment	Without
Bracket	Without		

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Please note

KSB does not guarantee specific process results such as flow velocities, degrees of mixing, or deposit-free mixing. Furthermore, we shall not assume any liability if KSB mixers are used in patented processes and/or in case of protected rights of third parties. In the event of a warranty claim, the parts supplied must be dismantled and returned to KSB.

Please note the high-energy flow generated by the mixer.

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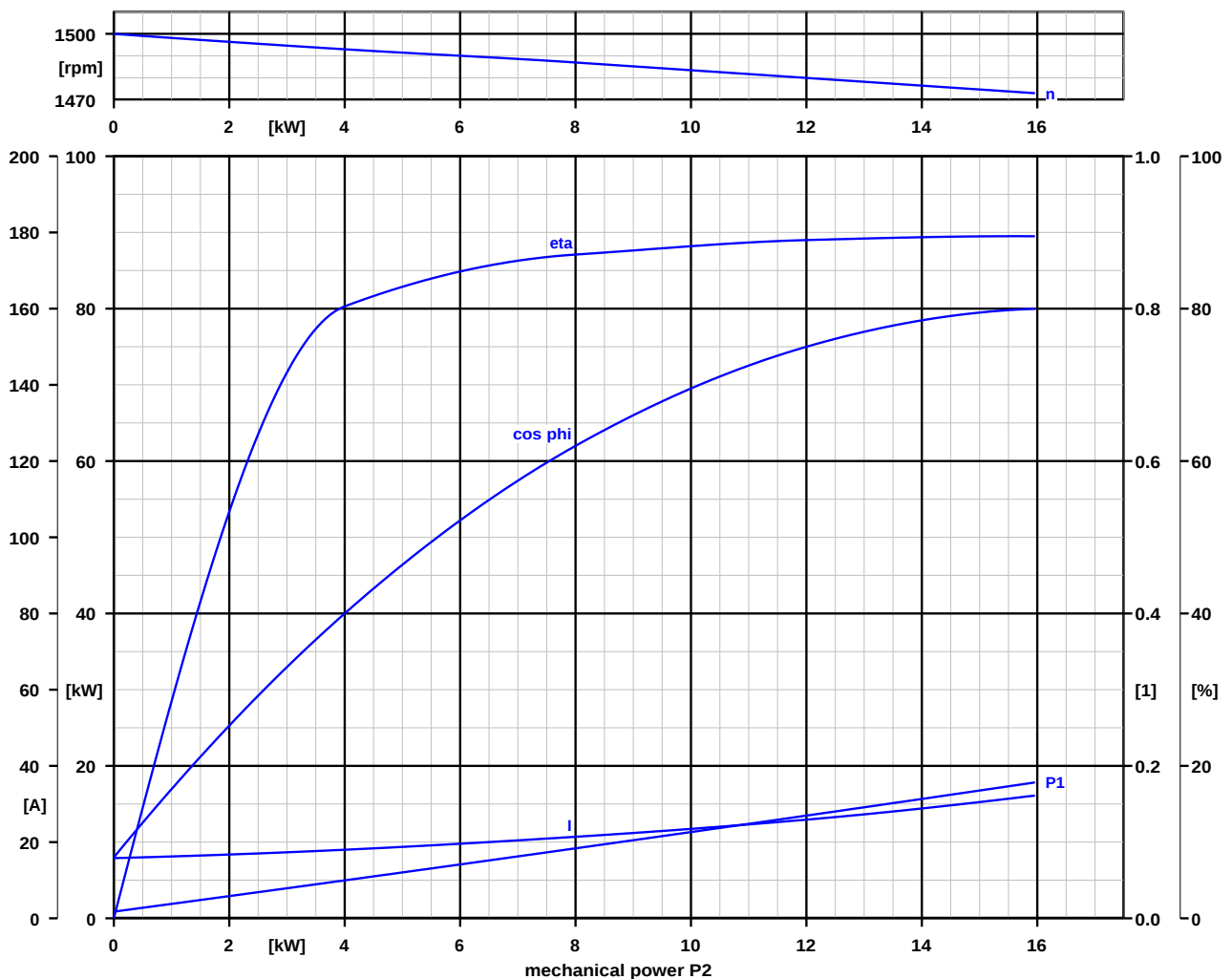
Motor data

Motor manufacturer	KSB	Rated speed	1473 rpm
Motor size	23R	Starting current ratio	7.1
Motor construction type	KSB Sub. motor	Starting mode	Direct/Star-delta possible
Motor material	Grey cast iron EN-GJL-250	Power cable	S1BN8-F 7G6+5x1.5
Efficiency class	IE2 acc. to IEC 60034-30	Number of power cables	1
Rated voltage	400 V	Power cable Ø min.	23.8 mm
Frequency	50 Hz	Power cable Ø max.	26.8 mm
Motor power	16.00 kW	Cable standard	VDE
Rated current	32.3 A	Switching frequency	15.00 1/h

Curve data

The no-load point is not a guarantee point within the meaning of IEC 60034

Load	0.0 %	25.0 %	50.0 %	75.0 %	100.0 %
P2	0.00 kW	4.00 kW	8.00 kW	12.00 kW	16.00 kW
n	1500 rpm	1493 rpm	1487 rpm	1480 rpm	1473 rpm
P1	0.88 kW	4.98 kW	9.19 kW	13.48 kW	17.88 kW
I	15.8 A	18.0 A	21.4 A	25.9 A	32.3 A
Eta	0.0 %	80.3 %	87.1 %	89.0 %	89.5 %
cos phi	0.08	0.40	0.62	0.75	0.80



Installation plan

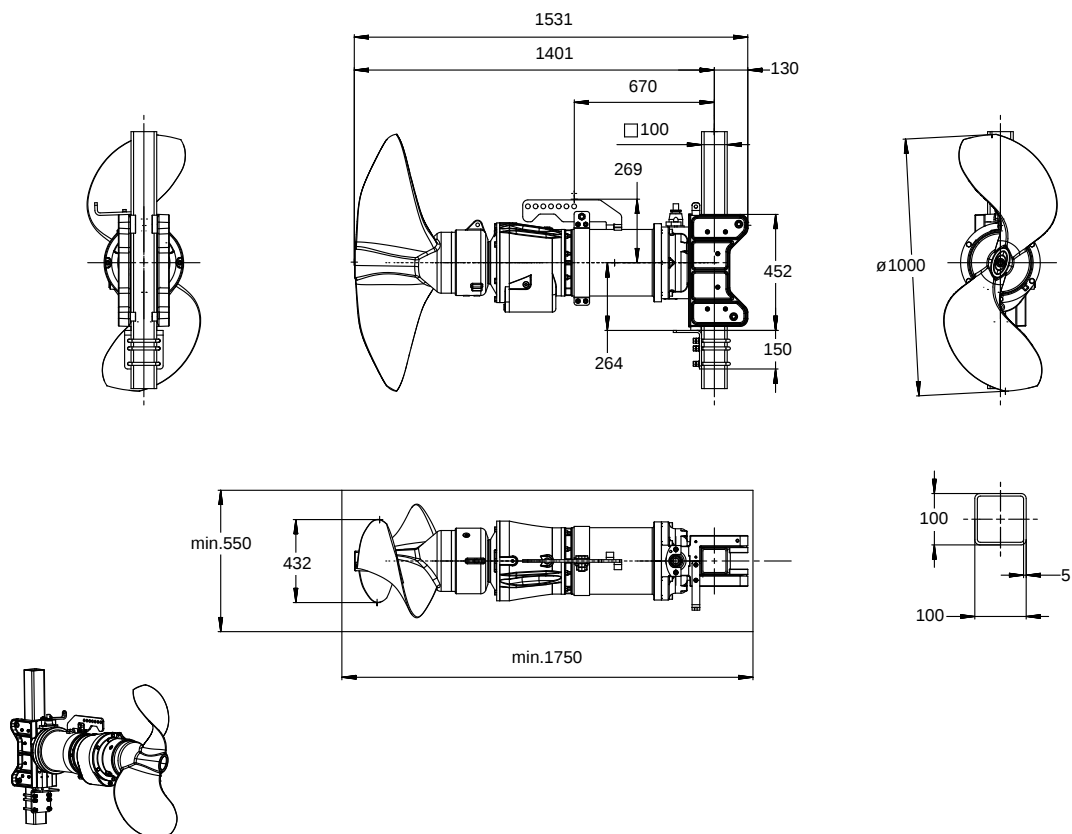


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Drawing is not to scale

Dimensions in mm