

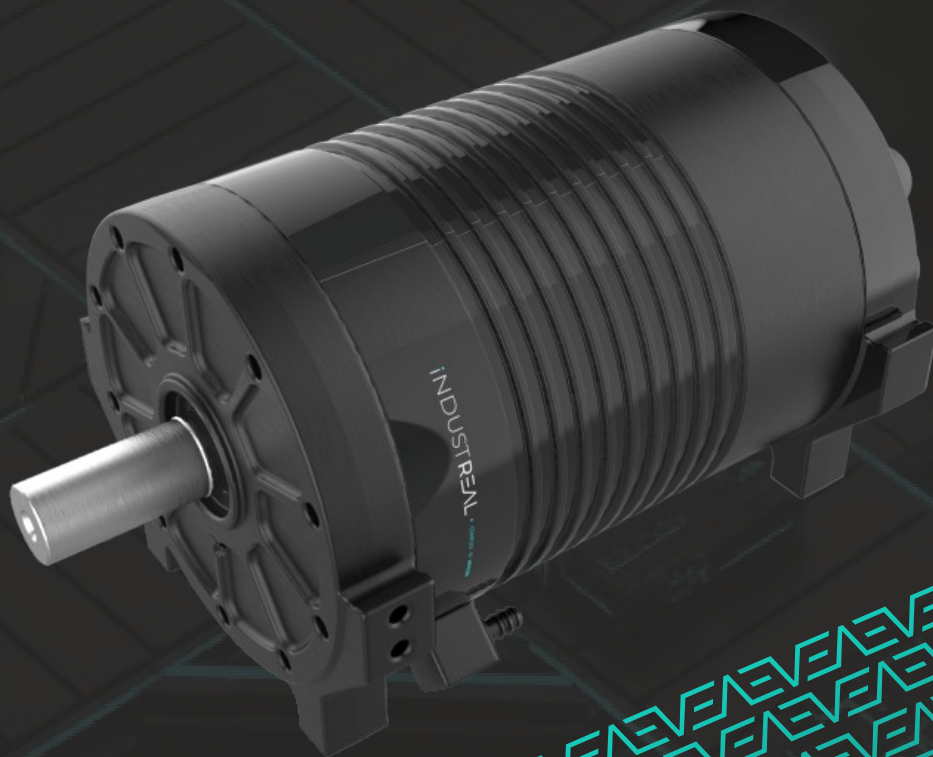
iNDUSTREAL

COMPLEX IN MOTION

DATASHEET

iNDUSTREAL.FBM.20

20KW INDUCTION MOTOR



WWW.INDUSTREAL.TECH

Type:	iREAL-AG-132S4-33/110-WR0	
Reference standards:	EN-60034	
No of poles:	4	
Speed range:	0-6000	rpm
Overspeed test (2 min):	7200	rpm
Frequency range:	0-200	Hz
Cooling system:	IC 4A1W7	
Mounting arrangement:	IM-B20	
Cooling medium:	water	
Amount of cooling medium:	6	liter/min
Cooling medium max temperature:*	40	C
Type of protection:	IP 54	
Insulation system / Temp. rise:	F / 155	/ K
Mass:	46	kg
Rotor inertia:	~0,015	kgm2
Bearings D.E. / N.D.E. :	Grease lubricated rolling bearings	
	6308-2Z / 6308-2Z	
Speed sensor type:	RLS RM44IE0008B10F2E10	

RATED DATA 1:

RATED DATA 2:

RATED DATA 3:

Rating:	S1			
Rated voltage:	33			V
Rated current:	406			A
Rated power:	20			kW
Rated torque:	62,1			Nm
Rated frequency:	110			Hz
Rated speed:	3340			rpm
Rated slip:	1,25			%
Efficiency:	92			%
cosφ:	0,86			

IMPEDANCES AT

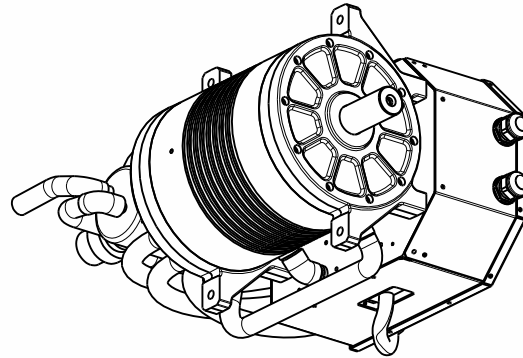
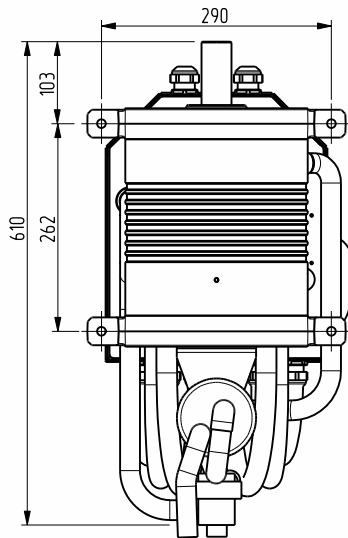
f= 110 Hz U= 33 V

Stator resistance (R1) T=150C :	1,72	mΩ
Stator leakage reactance (Xs1) :	3	mΩ
Magnetizing reactance (Xm) :	121	mΩ
Rotor leakage reactance (Xs2') :	0,64	mΩ
Rotor resistance (R2') T=150C :	2,92	mΩ

NOTES:

* If cooling medium temperature exceed it's limit, the power output will be derated.

** Informative data for short term overload capability



optionally with AC motor controller

