

MOTOR DATA

Motor serie	HQLa 160 S		Nr. of poles	Poles	nr	4	Rotor inertia	J	kgm2	0.255
Motor type	AC Induction		Nominal voltage	Un	V	400	Motor weight	wgt	kg	208
Nominal speed	nn	rpm	1500	Nominal current	In	A	110	Protection degree	IP	23
Nominal power	Pn	kW	60.0	Nominal freq.	Fn	Hz	50.0	Cooling method		air
Nominal torque	Mn	Nm	382	Standstill current	Io	A	0	Cooling type		IC
Standstill torque	Mo	Nm	#	Peak current	Imax	A	0	Ambient temp.	Ta	°C
Peak torque	Mmax	Nm	700	Efficiency	Eff.	%	94.6	Construction		IM B35 (IM 2001)
Speed @ Pn	n1	rpm	2400	Power factor	pf		#	Installation altitude	m	1000
Max mech. speed	nmax	rpm	7500	Insulation / temp.	CL		F			

COOLING & ELECTRIC FAN DATA

Fan type	radial		Fan nominal current	In	A	2.5	Liquid @ 20°C	Flow	l/min	#
Fan power supply	Un	V	3x400/460	Fan nominal power	Pn	kW	1.1	Max. liquid pressure	Bar	#
Fan nominal freq.	fn	Hz	50/60	Fan noise level		dB(A)	84.5	Req. cooling capacity	kW	#

BEARINGS

DE Bearing	6312 ZZ C3		Max cont. speed		rpm	3710	Max axial load	N	1800
NDE Bearing	6311 ZZ C3		Max radial load		N	4300	Shaft connection		Coupling
Max speed		rpm	5300						

BRAKE

Parking brake	type		#	Brake rotor inertia	J	kgm2	#	Coil power	Pn	W	#
Static torque	M	Nm	#	Max work	P	J	#	Rectifier supply	Un	Vac	#
Brake max speed	nmax	rpm	#	Rectifier output		Vdc	#				

ENCODER

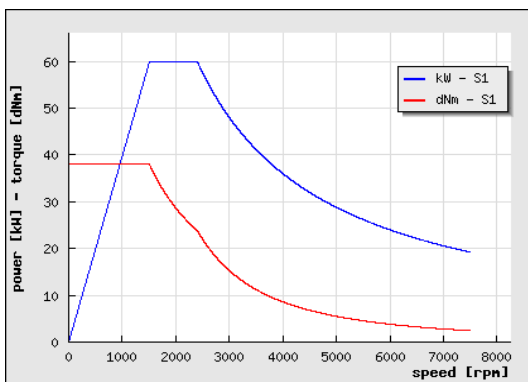
Type	Incremental		Input supply	5...30Vdc		Protocol		#
Pulses	1024 ppr		Channels	(A A-, B B-, Z Z-)		Code		VFS-60A-1024 TTL
Output	5V TTL							

FLANGE / SHAFT

Mounting	B3 (IM 1001)		Motor shaft	dim.	mm	55x110	Balancing degree	CL	A [R]
Motor flange	dim.	mm	300-350-400	Shaft Without Keyway		no	Balancing method		half key
Flange tolerance	standard								

OPTIONS

Vertical installation	#	PT100 resistor	no	Hand release for brake	no
Terminal box position	top	PT100 for bearings	no	Epoxy primer	no
Increased size terminal box	no	Air flow switch	no	Epoxy varnish	no
Fan unit position	top	Space heaters	no	UL standard	no
PTO (klixon)	yes	Windings tropicalization	no	Brush for shaft currents	no
PTC thermistors	no	Stainless steel screws	no	Color	RAL 7037
KTY84-130	no				

CUSTOMER NOTES & DIAGRAM

Max bearings speed 5300

Max brake speed #