Datasheet for Motor Mounted Line INNOMOTICS

ELECTROPROJECT
AN EQUANS COMPANY

INNOMOTICS MD - 71 M - IM B3 - 6p - motor including a mounted frequency converter

Client order no.	Item-No.	Offer no.
Order no.	**Consignment no.**	**Project**

Remarks

Motor data

Safe Area

U [V]	Δ / Y [-]	F [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η [%] 4/4	cosφ [-] 4/4	IE-CL [-]
380	Y	150	0.55	-/-	1.04	3000	1.8	84.6	0.95	**IE5**

IM B3 / IM 1001	FS 71 M			IEC, DIN, ISO, VDE, EN	n_{max} 4500 1/min	IEC/EN TS 60034-30-2

These values are calculated. The final rating plate data will be calculated when the order is placed
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Sound level (SPL / SWL) 3000 1/min	dB(A)	dB(A)
Moment of inertia	0.00043 kg m²	
Bearing DE | NDE	6202 2ZC3	6202 2ZC3
Bearing lifetime		
L_{10mh} $F_{Rad\ min}$ according catalogue 3000 1/min	40000 h	
Regreasing device	Without	
Type of bearing	Floating bearings	
Condensate drainage holes	Without	
External earthing terminal	Without	

Vibration severity grade	A
Thermal class	F
Duty type	S9
Direction of rotation	bidirectional
Frame material	aluminum
Coating (paint finish)	Standard paint finish C2
Color, paint shade	RAL7030
Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Method of cooling	IC411 - self-ventilated surface-cooled

Converter data

Input voltage	400-480V +/- 10%
Input frequency	50/60Hz +/- 6%
Input current	1.65 A
Overload capability	150%
Efficiency acc. IEC61800-9-2	IE2
Switching frequency	4.0 kHz
Number of analog inputs / outputs	1AI/AO

Number of digital inputs / outputs	2DI/1DO
EMC (DIN-EN-61800-3)	C2
Fieldbus	Modbus RTU
Network configuration	TN / TT
Frame material	Aluminium
Color, paint shade	RAL9005

System data

Environmental conditions	-20°C - 40°C / 1000 m
Protection class IP	IP55

Total weight	8.9 kg
System efficiency class	IES5

Implicit options

D24	CE mark on the nameplate (Declarations acc. to the EU Directives)	F74	Sheet steel fan cowl

1) L_{10mh} according to DIN ISO 281 10/2010
2) at rated power / at full load
3) Both values are used for motor control to optimize efficient operation.
4) The curves were created using calculated data.
Note: Values are given for rated point currents.

Responsible department	Technical reference	Created by	Approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
IN LV		IPC			

INNOMOTICS

Document type	Document status
Technical data sheet	Released
Document title	**Document number**
1UZ1005-0CL32-1AB0	TDS-260121-080819

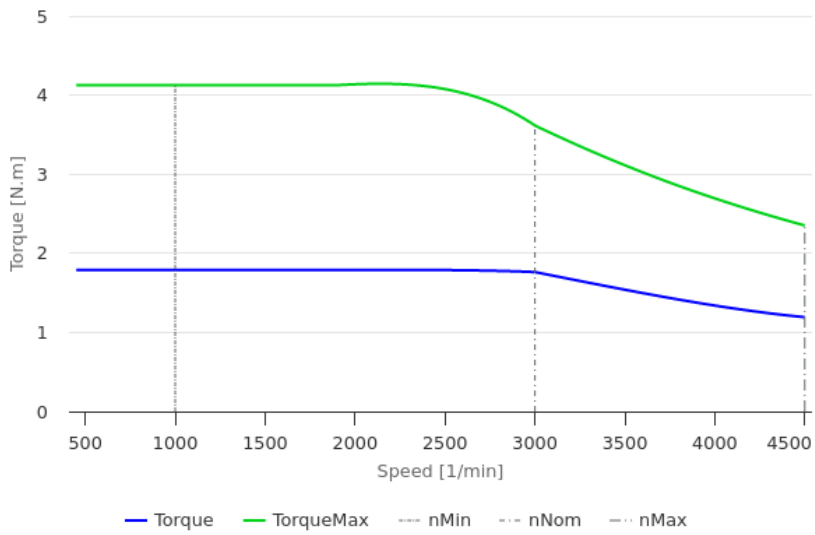
Restricted	Revision	Creation date	Language	Page
	AA	2026-01-21	en	1/2

Datasheet for Motor Mounted Line INNOMOTICS

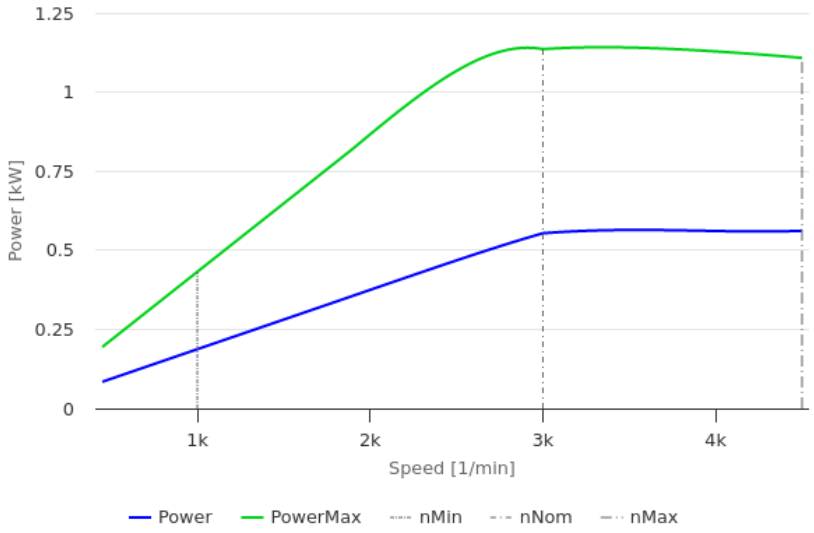
INNOMOTICS MD - 71 M - IM B3 - 6p - motor including a mounted frequency converter

General data

Torque-Speed-Curves[4)]



Power-Speed-Curves[4)]



1) L_{10mh} according to DIN ISO 281 10/2010
2) at rated power / at full load
3) Both values are used for motor control to optimize efficient operation.
4) The curves were created using calculated data.
Note: Values are given for rated point currents.

Responsible department	Technical reference	Created by	Approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
IN LV		IPC			

INNOMOTICS

Document type	Document status
Technical data sheet	Released
Document title	**Document number**
1UZ1005-0CL32-1AB0	TDS-260121-080819

Restricted	Revision	Creation date	Language	Page
© Innomotics 2026	AA	2026-01-21	en	2/2