



**Ordering data:** 1LE1601-1EA23-4AB4-Z

F70+H22+H70+N11+Q62

**Motor type:** 1CV2182A

Client order no.: SPLZaK Karlovy Vary

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project: čerpadlo výtlak TMV z VK

U [V]	Δ / Y	f [Hz]	P		I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%]			Power factor at ... load			I <sub>A</sub> /I <sub>N</sub> I <sub>I</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub> T <sub>I</sub> /T <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub> T <sub>B</sub> /T <sub>N</sub>	IE-CL
			[kW]	[hp]				4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	22.00	- / -	40.00	2940	71.0	91.3	91.8	91.4	0.87	0.82	0.74	7.4	2.7	3.6	IE2
690	Y	50	22.00	- / -	23.50	2940	71.0	91.3	91.8	91.4	0.87	0.82	0.74	7.4	2.7	3.6	IE2
460	Δ	60	24.50	- / -	39.00	3540	66.0	91.0	91.2	89.9	0.87	0.83	0.74	7.7	2.8	3.8	IE2

IM B3 / IM 1001		FS 180 M	145 kg	IP56	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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### Mechanical data

Sound pressure level 50 Hz/60Hz (load)	77 db(A)	80 db(A)
Moment of inertia	0.069 kg m <sup>2</sup>	
Bearing DE   NDE	6310 C3	6310 C3
Relubrication interval/quantity	10 g   10 g 4000 h	
Lubricants	Esso Unirex N3	
Regreasing device	Yes (standard)	
Grease nipple		
Type of bearing	Locating bearing NDE	
Condensate drainage holes	Yes (standard)	
External earthing terminal	Yes (standard)	
Vibration class	A	
Insulation	180(H) to 180(H)	
Duty type	S1	
Direction of rotation	bidirectional	
Frame material	cast iron	
Data of anti condensation heating	-/-	
Coating	Special paint finish	
Color	RAL7030	
Motor protection	(B) 3 PTC thermistors - for tripping (standard)	
Method of cooling	IC416 - separately ventilated, surface cooled	

### Terminal box

Terminal box position	top
Material of terminal box	cast iron
Type of terminal box	TB1 J01
Contact screw thread	M5
Max. cross-sectional area	16.0 mm <sup>2</sup>
Cable diameter from ... to ...	19.0 mm - 28.0 mm
Cable entry	2xM40x1,5-1xM16x1,5
Cable gland	3 plugs

### Special design

F70	Mounting a separately-driven (external) fan
H22	IP56 degree of protection
H70	Second grounding
N11	Temperature class 180 (H) at rated power and max. KT 60 °C
Q62	Integration of 1 PT100 resistance thermometer in the stator winding (2-wire connection)

### Environmental conditions

Ambient temperature	-20 °C - +60 °C
Altitude above sea level	1000 m

### Explosion protection

Type of protection	- / -
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