

Datasheet

RS PRO 3Phase AC motor,1.1kW,2pole,B5 Flange mounted

Stock number: 187-9861

EN



Overview

Our Aluminium range of motors are produced in accordance with IEC 60034 standards and manufactured in a modern European factory equipped with latest technologies to guarantee quality.

This range of motors offer an affordable solution for your needs while not compromising on quality. Typical applications include fans, pumps, conveyors, gearboxes and many more.

Key Features

- Frame 71-160
- Thermistors Fitted as standard
- IP56
- Located Bearing at NDE
- Reinforced bearing housing
 - 80-112 DE Only
 - 132 & 160 DE & NDE
- Oil Seal fitted as standard at both Ends
- RAL5010 rustproof painting 40micron min
- Inverter rated windings
 - CT = 2:1 VT = 10:1
- NDE Shaft drilled and Tapped for easy mounting of accessories
- Two earthing terminals
- Bearing C3 Shielded
- Bearing make SKF, FAG, NSK, NTN

Specifications

IE3

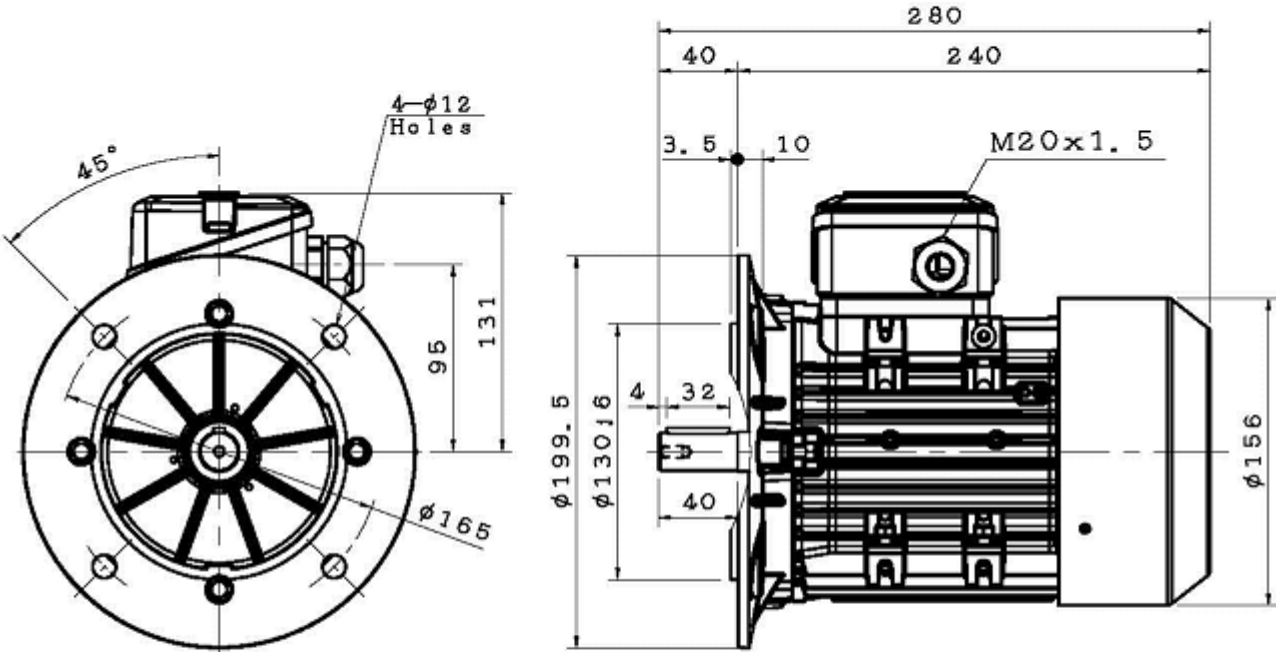
3-Phase Squirrel Cage Induction Motor Datasheet

Type Code	AERV/AEQV		Date	01/01/2024
			Revision	0
Rated Voltage	Δ 400V ± 5 %		Efficiency Class	IE3
Frequency	50Hz ± 2 %		Insulation Class	F (155 °C)
Duty Type	S1		Temperature Rise	80 K
Cooling System	TEFC		Mounting Design	B5
ELECTRICAL DATA				
Rated Output [kW]	1.1		Δ Locked Rotor Cur. - I _A /I _N	-
Rated Speed [rpm]	2835		Δ Locked Rotor Torq. - M _A /M _N	-
Rated Current [A]	2.35		Y Locked Rotor Cur. - I _A /I _N	7.2
No-Load Current [A]	1.62		Y Locked Rotor Torq. - M _A /M _N	3.7
Rated Torque - M _n [Nm]	3.7		Breakdown Torque - M _k /M _n	3.9
Moment of inertia - J [kgm ²]	-			
Load Characteristics (IEC 60034-2-1:2014)				
Load %	Efficiency		Current [A]	Cos Φ
100	82.7		2.52	0.80
75	84.4		2.08	0.71
50	82.3		1.8	0.58
MECHANICAL DATA				
Frame	Aluminium		Bearing (DE)	6004ZZC3SKF
Weight (KG)	11 kg		Bearing (NDE)	6004ZZC3 SKF

* Efficiencies are calculated according to IEC 60034-2-1 : 2014 standards indirect method where the additional load losses are determined from exact measurements at different load points.

Dimensions

Totally Enclosed Fan-cooled Vertical Type. Squirrel-cage Rotor



Note:
 1. IP55 Protection.
 2. Aluminum Motor.