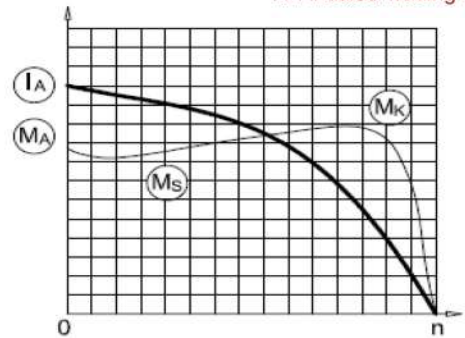


GM 280 S 2



3-Phase 400 V (Δ) 50 Hz

- Duty Type : S1
- Degree of protection : IP 55 (TEFC)
- Insulation class : F (155 °C)
- Temp rise : Class B (80K)
- Mounting Design : B3



ELECTRICAL DESIGN

Direct On Line

Rated output (kW) : 75	Locked rotor Current – Ia (A) : 889
	Ia / In : 7.0
Speed (rpm) : 2980	Locked rotor Torque – Ma (Nm) : 576
	Ma / Mn : 2.4
Rated current (A) : 127	
Y / Δ Starting	
Torque – Mn (Nm) : 240	Locked rotor Current – Ia (A) : 330
	Ia / In : 2.6
Cos φ : 0.91	Locked rotor Torque – Ma (Nm) : 192
	Ma / Mn : 0.8
Efficiency % : 93.9 94.1 92.5	Breakdown Torque – Mk (Nm) : 600
	Mk / Mn : 2.5

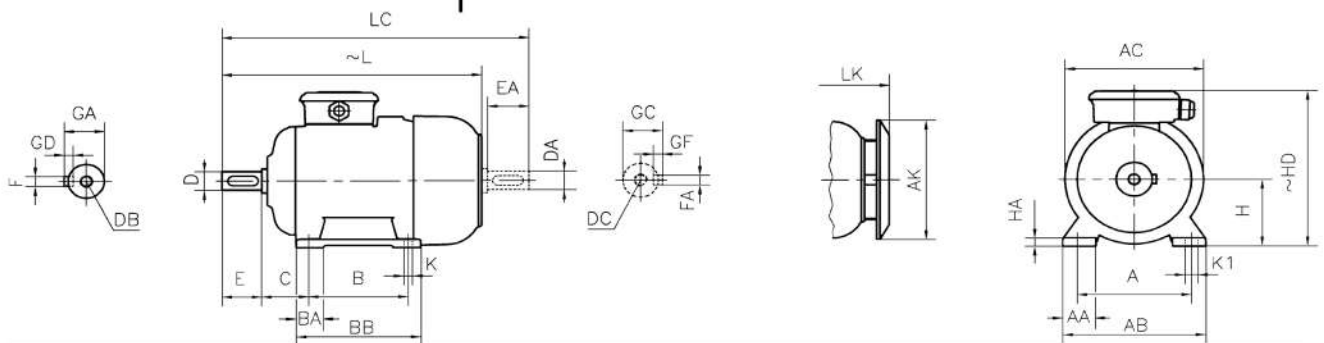
Moment of inertia J (kgm)² : 0.53

MECHANICAL DESIGN

- Frame : Cast Iron
- End shields : Cast Iron
- Cooling fan : Plastic
- Terminal box : Aluminium
- Cable gland : Pg 42
- No of cable glands : 2

Bearing Arrangement

	Drive End	Non Drive End
Standard design	6315 ZZ C3	6315 ZZ C3
Reinforced design	NU 315 E	6315 C3
Noise Level (dB-A)	: 76	
Paint	: RAL 7031- Grey	
Approximate weight (kg)	: 512	



DIMENSIONS

Dimensions of foot mounted motors for mounting arrangement : B3, B6, B7, B8, B15, V5, V6

H	HD	HA	A	AA	AB	ØAC	ØAK	K	K1	B	B'	BA	BA'	BB	L	LC	LK	C	E	EA	DB	DC	ØD	ØDA	GA	GC	FxGD	FAXGF
280	630	40	457	120	550	544	440	24	-	368	-	85	128	474	958	1106	1014	190	140	M20	65	69	18X11					

* Efficiencies are calculated according to indirect method where the additional load losses are determined from exact measurements at different load points.