

DATA SHEET Three-phase Induction Motor - Squirrel Cage

Customer :
Product line : W22 Cast Iron Frame - Standard Efficiency (IE1)

Frame : 225S/M
Output : 60 HP (cv)
Frequency : 50 Hz
Poles : 4
Rated speed : 1475
Slip : 1.67
Rated voltage : 415 V
Rated current : 80.5 A
L. R. Amperes : 555 A
I/In : 6.9
No load current : 36.4 A
Rated torque : 291.51 Nm
Locked rotor torque : 260 %
Breakdown torque : 290 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 10 s (hot)

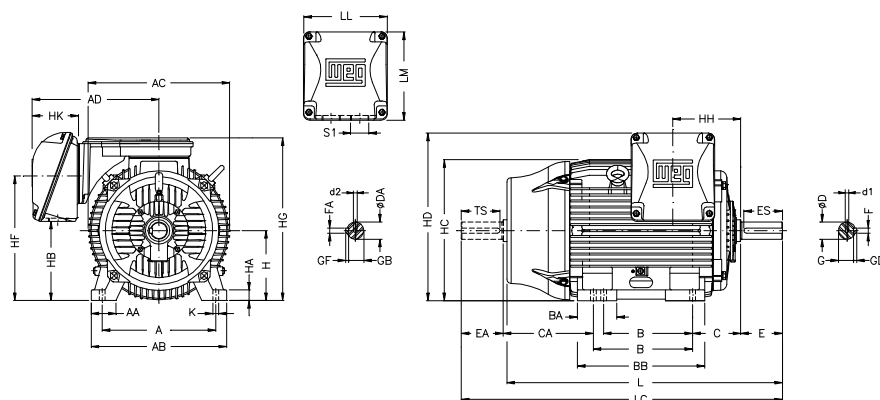
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20 °C - +40 °C
Altitude : 1000 m.a.s.l
Enclosure : IP55
Aprox. weight : 363 kg
Moment of inertia : 0.64666 kgm²
Sound Pressure Level : 66 db(A)

	Front	Rear
Bearing	6314 C3	6314 C3
Regreasing int.	14000 h	14000 h
Grease amount	27 g	27 g

PERFORMANCE UNDER LOAD

Load	Power factor	Efficiency (%)
100%	0.84	92.6
75%	0.79	92.1
50%	0.68	91.9

Notes:



A	AA	AB	AC	AD	B	BA	BB
356	80	436	455	408	286/311	124	412
C	CA	D	E	ES	F	G	GD
149	319/294	60m6	140	125	18	53	11
DA	EA	TS	FA	GB	GF	H	HA
60m6	140	125	18	53	11	225	34
HB	HC	HD	HF	HG	HH	HK	K
255	453	550	403	523	212	143	18.5
L	LC	LL	LM	S1	d1	d2	
886	1034	261	292	2XM50X1,5	DM20	DM20	

Performed:
Khuzema

Checked:
Khuzema

*The values shown are subject to change without prior notice. Noise level with tolerance of +3 dB(A). Efficiencies according to the indirect method of IEC 60034-2-1:2007 with stray load losses determined from measurement.